Appendix A-1
Notice of Preparation

NOTICE OF PREPARATION

OF AN ENVIRONMENTAL IMPACT REPORT AND PUBLIC SCOPING MEETING

City Project No.:	Architectural Design Review No. ADR 22-06 with a Density Bonus, Certificate of Demolition No. COD 22-20, General Plan Amendment No. GPA 22-01, Lot Line Adjustment LLA No. 22-02, Minor Use Permit MUP No. 22-02, and Zone Change No. ZC 22-01
Project Name:	The Derby Mixed-Use Project
Project Applicant:	Elite Real Estate Holdings LLC
Project Address:	233 and 301 E. Huntington Drive, Arcadia, CA 91006
Public Comment Period:	October 14, 2022 through November 14, 2022
Public Scoping Meeting:	October 26, 2022 at 6:00 PM

Pursuant to Section 21165 of the California Public Resources Code and Section 15050 of the California Environmental Quality Act (CEQA) Guidelines, the City of Arcadia (City) is the Lead Agency for the preparation of an Environmental Impact Report (EIR) for The Derby Mixed-Use Project (Project). In accordance with CEQA Guidelines Section 15082, the City has prepared this Notice of Preparation (NOP) to provide responsible and trustee agencies, the Office of Planning and Research, and the County Clerk with sufficient information describing the Project and its potential environmental effects to enable the responsible agencies to make a meaningful response to this NOP.

The City is requesting your specific and detailed input regarding the scope and content of the environmental information related to your agency's statutory responsibility that must be included in the Draft EIR. Pursuant to CEQA Guidelines Section 15083, this NOP also serves to facilitate consultation with any persons or organizations that may be concerned with the environmental effects of the Project. Additionally, this NOP serves as a notice for the public Scoping Meeting, which is held to expedite and facilitate the consultation process. Because the City has already determined that an EIR is required for the proposed Project, as permitted by CEQA Guidelines Section 15060(d), the City will not prepare an Initial Study, but instead will begin work directly on the Draft EIR.

Project Location.

The Project site address is 223 and 301 East Huntington Drive and includes Assessor's Parcel Number (APN) 5773-009-070 and APN 5773-009-065. **Figure 1, Project Location**, depicts The Derby Mixed-Use Project (Project) boundaries in the context of the surrounding community and jurisdictions. The Project site is located in the City of Arcadia (City) within the County of Los Angeles, approximately 13 miles northeast from downtown Los Angeles. As measured from the Project site, the City of Sierra Madre is located approximately 1.4 miles to the north; the City of Monrovia is located approximately 0.13 mile (680 feet) to the east; the City of Temple City is located approximately 2.3 miles to the south; and the City of Pasadena and an area of unincorporated Los Angeles County are located approximately 2.5 miles to the west. Regional access to the Project site is via Interstate (I) 210 to Huntington Drive.

Existing Conditions

The Metro L Line (Gold) Station is located approximately 0.3 mile to the northwest of the Project site. Land uses in close proximity to the Project site are as follows:

- North: Hampton Inn Hotel; Residence Inn by Marriott, and surface parking lots
- East: Embassy Suites; surface parking; North 2nd Street; Springhill Suites; and Metro L Line tracks
- South: Huntington Drive; commercial strip center; surface parking lots; and Metro L Line tracks
- West: Gateway Drive; restaurant/commercial/office center; surface parking lots; and City of Monrovia

The 2.23-acre Project site currently consists of two structures, including The Derby, which is an occupied two-story restaurant at 233 East Huntington Drive, and a vacant one-story restaurant building at 301 East Huntington Drive that was previously occupied by the Souplantation restaurant. The remainder of the site is surface parking with minimal landscaping.

The Project site is zoned General Commercial (C-G) with a corresponding General Plan land use designation of Commercial.

Project Description Overview

The Project would construct a new space for The Derby restaurant as part of a new mixed-use residential and commercial development. The existing buildings and surface parking lots on the Project site would be demolished to accommodate the proposed Project and the Lot Line Adjustment would merge the two existing lots into one legal lot.

The Project would construct The Derby as a larger, two-story restaurant as part of a new, six-story mixed-use development consisting of restaurant, cafe, and multifamily residential uses. **Figure 2a, Proposed Project Overview**, provides a conceptual depiction of the Project site at buildout looking from the southwest towards the northeast. **Figure 2b, Proposed Project Directional Views**, provides additional views of Project site at buildout as viewed from the northwest, northeast, southwest, and southeast.

The proposed centerline of the two-story The Derby restaurant space would be located slightly west of the existing The Derby restaurant and would be designed to retain many of restaurant's most recognizable design elements, including the gable roof, stained glass windows, classic red booths, and horseracing memorabilia, while adding new elements such as a covered porte-cochère, horse-racing projections on the side of the building, a horseshoe-shaped lounge bar, an indoor-outdoor second story bar and dining area, and an expanded memorabilia collection display area. The Derby restaurant would maintain the low-slung craftsman-influenced character and scale of the existing building, as well as the existing "World Famous, The Derby" and "Guest Parking" neon signs, which would be preserved and relocated along the East Huntington Drive frontage to the ingress/egress driveway leading to the main entrance and vehicle roundabout for guest and valet drop off. The Derby restaurant was evaluated by an architectural historian meeting the Secretary of the Interior's Professional Qualification Standards for architectural history and the building was found to be ineligible for National Register of Historic Places, California Register of Historical Resources, and does not meet the local designation criteria. As such, the structure is not considered a historical resource for the purposes of CEQA.

The Project would include 205 market rate units and 9 affordable units, totaling 214 for-rent dwelling units. The unit mix would consist of 55 studios, 110 one-bedroom units (including four one-bedroom plus den units), and 49

two-bedroom units (including four two-bedroom plus den units). The residential units would be constructed within levels two through six of the proposed six-story building. The average square footage of the unit types would be 480 square feet (sf) for the studios, 720 sf for the one-bedroom units, 750 sf for the one-bedroom plus den units, 1,100 sf for the two-bedroom units, and 1,260 sf for the two-bedroom plus den units.

Various residential amenities would be constructed throughout the residential building and Project site. The six-story mixed-use building would front onto East Huntington Drive and would step back approximately 30 feet at the fifth and sixth levels to provide a landscaped residential pool and amenity space, including an approximately 4,800 sf roof deck and 1,100 sf indoor amenity kitchen for residents. Additional residential amenities would include a 6,500 sf landscaped courtyard, herb garden, and shared outdoor cooking space on level two fronting Gateway Drive, as well as other interior residential amenities such as a fitness center, co-working space, and yoga room. Approximately 65% of the units would include private balconies facing the exteriors of the six-story mixed-use building.

The Project would include one level of subterranean (i.e., basement level) parking for residents, as well as exterior and interior ground-level commercial and valet parking areas. Ground-floor parking areas would be predominately valet serviced and reserved for restaurant/café uses and residential visitors. Primary access to the residential tenant and guest parking at the basement level would be provided via a separate, secure ingress/egress driveway from Gateway Drive. Primary access for the commercial parking would be from two points: (1) via an ingress/egress driveway on East Huntington Drive approximately 50 feet east of driveway for the existing The Derby restaurant; and (2) via an ingress/egress driveway on Gateway Drive that would also accommodate service uses. The Project would provide a total of 414 parking spaces consisting of 241 residential and 173 commercial/valet spaces. Approximately 10% of the spaces provided would include electric vehicle charging stations. The Project would also include 10 commercial motorcycle parking spaces and 11 residential motorcycle parking spaces, and residential bicycle parking for 43 bicycles and commercial bicycle parking in a bicycle storage room behind the new restaurant.

The Project's basement level would consist entirely of residential parking. The ground level would include the new The Derby restaurant (including 12,850 sf for both levels), a 1,400 sf café space, a 3,300 sf complementary restaurant space, a residential leasing office, residential lobby, and residential bike storage area, as well as interior and exterior restaurant/café/valet parking areas. Level two would include a portion of The Derby's restaurant area, which would serve as The Derby's rooftop bar, as well as a residential co-working space, residential units, and an exterior residential courtyard and amenity space. Level three and level four would consist entirely of residential units, residential storage, and interior residential amenity spaces, including a yoga room. Level five would include residential units and additional residential amenity spaces, including the outdoor pool, roof deck, and interior amenity kitchen. Level six would include residential units, as well as a residential fitness center and exterior courtyard.

Off-site improvements would be required within the sidewalk and roadway rights-of-way along East Huntington Drive and Gateway Drive. These improvements would include modification and/or relocation of existing curb cuts, utility connections, removal of signage, street light relocation, and new/replacement street trees.

Requested Approvals/Permits

The current C-G zone has a maximum allowable building height of 40 feet and does not allow for residential use. Thus, a Zone Change (No. ZC 22-01) would be required to rezone the Project site to Downtown Mixed Use (DMU), which would allow for the Project's proposed mixed-use development (subject to a Minor Use Permit). The proposed Zone Change would also include an H7 Special Height Overlay, which would increase the maximum

allowable building height to 75 feet. The proposed six-story building would have an overall maximum height of 71 feet, including a 3-foot parapet, but not including rooftop appurtenances such as a screened mechanical enclosures, stairs and an elevator machine room. The Project would also require a General Plan Amendment (No. GPA 22-01) to change the land use designation from Commercial to Downtown Mixed Use.

Under the proposed DMU zoning, the Project site would have an allowable base density of 80 dwelling units per acre, allowing for a total of 178 dwelling units on the 2.23-acre site. The Project applicant proposes to utilize a 5% density bonus under the California Density Bonus Law (California Government Code Sections 65915 – 65918) which would increase the allowable dwelling unit count by 20% to 214 total units. In order to comply with state law, the Project would include nine very-low income (i.e., 50% Area Median Income) dwelling units. Thus, the final unit mix would consist of 205 market rate units and 9 affordable units, totaling 214 dwelling units. The Project would include a reduced number of parking spaces for the residential use because of the Density Bonus, and the applicant is requesting reduced residential tandem parking dimensions as a concession.

The following is a summary of discretionary approvals/actions the City will consider. Other ministerial permits that are not subject to CEQA review would also be required.

- General Plan Amendment to Downtown Mixed-Use
- Zone Change to Downtown Mixed-Use with Height Overlay (H7)
- Certificate of Demolition
- Minor Use Permit (Mixed-Use Development; Valet Parking; Outdoor Dining in Excess of 12 Tables)
- Lot Line Adjustment
- Site Plan and Design Review (Density Bonus)

Potential Environmental Effects of the Project

The Project could have potentially significant environmental impacts to the following environmental topic areas: Air Quality; Cultural Resources; Energy; Geology/Soils; Greenhouse Gas Emissions; Hazards and Hazardous Materials; Hydrology/Water Quality; Land Use and Planning; Noise; Population and Housing; Public Services and Recreation; and Utilities/Service Systems. Because of the existing condition of the Project site, which is fully developed and located in an urbanized setting, implementation of the Project is not expected to result in any significant impacts to: Aesthetics; Agriculture and Forestry Resources; Biological Resources; Mineral Resources; and Wildfire, as discussed in Appendix A, Environmental Topics With No Potential For Significant Impacts.

Public Review and Scoping

This NOP, including Appendix A, is available for download on the City's website at: www.arcadiaca.gov/projects. A print copy of this notice is also available for public review at each of the following City locations through November 14, 2022:

Arcadia City Hall – Planning Division
240 West Huntington Drive
Arcadia, CA 91007
Monday–Thursday: 7:30 a.m.–5:30 p.m.
Friday (Closed alternate Fridays): 7:30 a.m.–4:30 p.m.
https://www.arcadiaca.gov

Arcadia Public Library – Circulation Desk
20 West Duarte Road
Arcadia, CA 91006
Monday–Thursday: 10:00 a.m.–9:00 p.m.
Friday and Saturday: 10:00 a.m.–6:00 p.m.
www.arcadiaca.gov/library

Public Scoping Meeting. A public scoping meeting will be held to share information regarding the proposed Project and the CEQA environmental review process. The purpose of the meeting is to facilitate information sharing and to solicit written comments about the scope and content of the environmental analysis to be addressed in the Draft EIR.

The Scoping Meeting is an information-gathering meeting, not a public hearing. However, as part of the information-gathering process and as stated above, the City seeks community input for the Project. In order to be considered for the EIR, all comments must be submitted to the City in writing via email, fax, or via postal service, and all written comments received will be reviewed and considered by the City as part of the administrative record of the proposed Project. No decisions about the Project will be made at the Scoping Meeting. A separate public hearing for consideration of the proposed Project's entitlement requests will be scheduled after the completion of the EIR. The date, time, and location of the Project's Scoping Meeting are as follows:

DATE:	October 26, 2022
TIME:	6:00 PM
LOCATION:	The Gilb Museum of Arcadia Heritage (Museum Education Center) 380 West Huntington Drive, Arcadia, CA 91007

Submitting Comments. Due to the time limits mandated by state law, your response must be sent at the earliest possible date, but not later than 30 days after receipt of this notice. The City will consider all written comments regarding the potential environmental effects of the Project received during the NOP public review period. Please direct your written comments via mail, or email to:

Ms. Fiona Graham, Planning Services Manager
City of Arcadia Planning Division
240 West Huntington Drive
Arcadia, CA 91007

Attn: The Derby Mixed-Use Project EIR

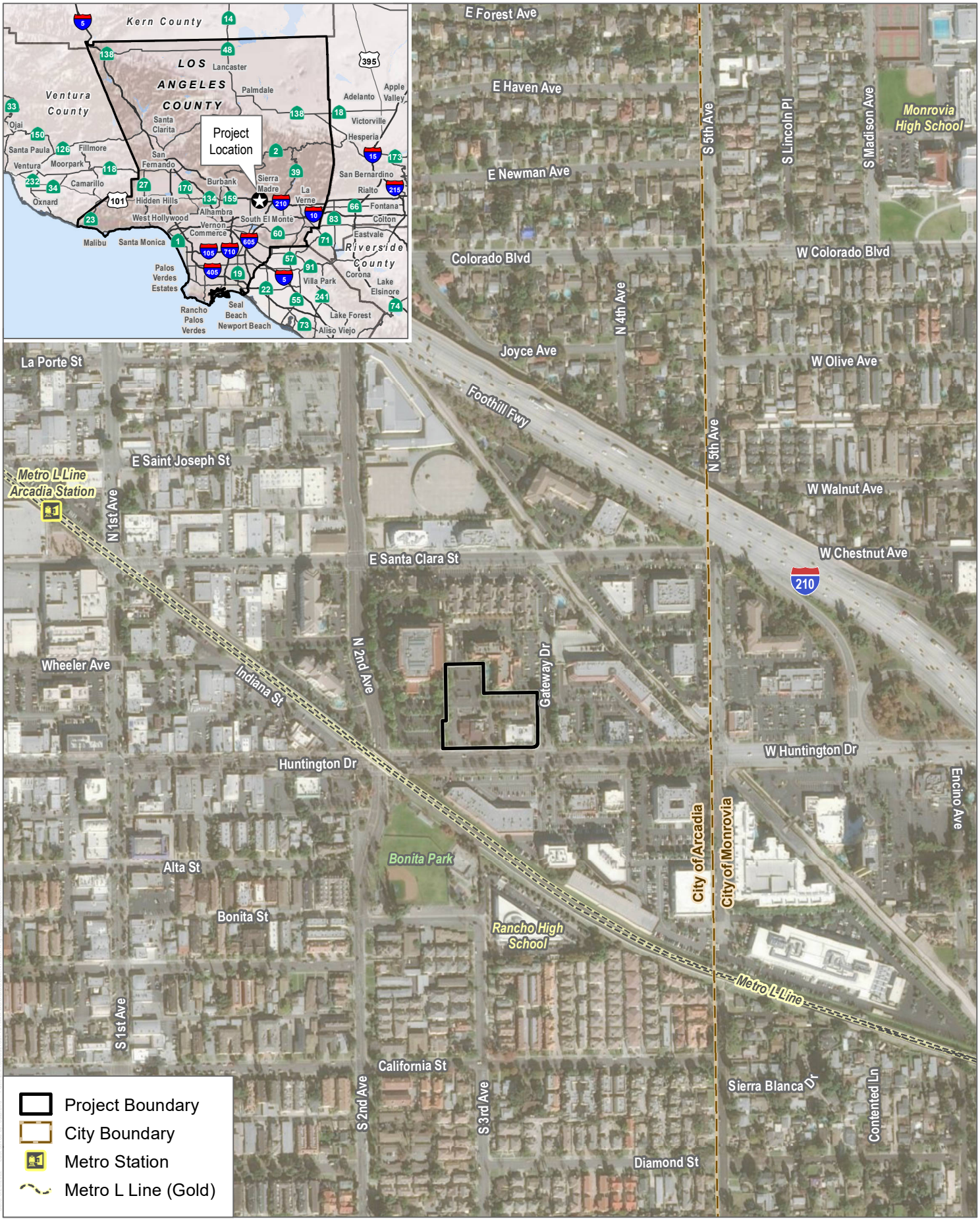
Email: fgraham@ArcadiaCA.gov

Fax: (626) 447-9173

Date: October 10, 2022 Signature: _____

Title: Planning Services Manager

Attachments:
Figure 1. Project Location
Figure 2a. Proposed Project Overview
Figure 2b. Proposed Project Directional Views
Appendix A: Environmental Topics With No Potential for Significant Impacts



SOURCE: ESRI 2020, Open Street Map 2019

DUDEK

0 250 500 Feet

FIGURE 1

Project Location

The Derby Mixed-Use Project



Source: Elite Real Estate Holdings LLC 2022

FIGURE 2A

Proposed Project Overview

The Derby Mixed-Use Project

DUDEK

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Source: Elite Real Estate Holdings LLC 2022

FIGURE 2B

Proposed Project Directional Views

The Derby Mixed-Use Project

DUDEK

APPENDIX A

The Derby Mixed-Use Project
Environmental Topics with No Potential for Significant Impacts

The Derby Mixed-Use Project (Project), as proposed, could have potentially significant environmental impacts to the following environmental topic areas: Air Quality; Cultural Resources; Energy; Geology/Soils; Greenhouse Gas Emissions; Hazards and Hazardous Materials; Hydrology/Water Quality; Land Use and Planning; Noise; Population and Housing; Public Services and Recreation; Transportation; Tribal Cultural Resources; and Utilities/Service Systems. Because of the existing condition of the Project site—which is fully developed and located in an urbanized setting—the City of Arcadia (City), as the lead agency pursuant to CEQA, has determined that implementation of the Project would not result in any significant impacts to: Aesthetics; Agriculture and Forestry Resources; Biological Resources; Mineral Resources; and Wildfire, as discussed below.

CEQA Topic	Analysis Supporting No Potential for Significant Impact
Aesthetics	The Project site is visible from surrounding land uses and roadways and the proposed Project would increase the development density and height. Site development would be required to comply with all Arcadia Development Code and Municipal Code requirements and would be required to adhere to the architectural and site design guidance provided in the City's Commercial/Mixed Use Design Guidelines. Regarding aesthetic impacts, Senate Bill (SB) 743 [Public Resources Code (PRC) Section 21099(d)] specifies that for infill projects located in transit priority areas, impacts on aesthetics are not required to be evaluated under CEQA. Specifically, PRC Section 21099(d) sets forth guidelines for evaluating project impacts under CEQA, as follows: "Aesthetic and parking impacts of a residential, mixed-use residential, or employment center project on an infill site within a transit priority area (TPA) shall not be considered significant impacts on the environment." PRC Section 21099 defines a "transit priority area" as an area within 0.5 mile of a major transit stop, defined as "a site containing an existing rail transit station, a ferry terminal served by either a bus or rail transit service, or the intersection of two or more major bus routes with a frequency of service interval of 15 minutes or less during the morning and afternoon peak commute periods." PRC Section 21099 defines an "infill site" as a lot located within an urban area that has been previously developed, or on a vacant site where at least 75% of the perimeter of the site adjoins or is separated only by an improved public right-of-way from, parcels that are developed with qualified urban uses. PRC Section 21099 applies to the proposed Project, which consists of mixed-use project on an "infill" site located approximately 0.3 mile from the Metro L Line Arcadia Station; as such, the Project meets the criteria established by SB 743. Therefore, there would be no potential for significant impacts associated with aesthetics and aesthetics does not require evaluation or analysis in the EIR.

CEQA Topic	Analysis Supporting No Potential for Significant Impact
Agriculture and Forestry Resources	The Project site is in an urban area on a site that is fully developed with buildings and asphalt paving. The Project site is included within the City's General Commercial (C-G) zone and the Commercial land use designation of the Arcadia General Plan. There are no existing agriculture or forestry activities on the site nor any readily available opportunities for agricultural or forestry operations on site or in the surrounding area. According to the California Department of Conservation's California Important Farmland Finder, most of Los Angeles County, including the City, is not mapped as part of the state's Farmland Mapping and Monitoring Program; thus, the Project site does not contain Prime Farmland, Unique Farmland, or Farmland of State Importance (collectively "Important Farmland"),[1] nor does it contain any parcels under a Williamson Act contract.[2] Additionally, neither the Project site nor the surrounding area contain forestland or timberland. Therefore, there would be no potential for significant impacts associated with agricultural and forestry resources.
Biological Resources	Under the existing conditions, the Project site is almost entirely developed with paved surfaces and buildings and is surrounded entirely by urban development. A limited amount of landscaped area is located within the Project site and along the public rights-of-way, consisting of small areas of ornamental trees and shrubs, which does not form a cohesive plant community that would provide quality, suitable habitat for candidate, sensitive or special status wildlife species, or support wildlife movement. A portion of the Santa Anita Wash alignment—a concrete flood control channel—is approximately 480 feet to the northeast of the eastern Project site boundary.[3] No wetlands or other jurisdiction waters are within the Project site.[4] Further, any development activities would be required to comply with all applicable requirements set forth by the City, including the City's Tree Preservation Ordinance (Ordinance No. 2338).[5] All development activities are subject to the requirement to protect nesting birds, in compliance with the Migratory Bird Treaty Act, which prohibits the accidental or "incidental" taking or killing of migratory birds.[6] Therefore, there would be no potential for significant impacts associated with biological resources.

1 California Department of Conservation. 2022. California Important Farmland Finder. Accessed August 24, 2022. https://maps.conservation.ca.gov/dlrp/ciff/.
2 California Department of Conservation. 2018. The Williamson Act Status Report 2016-17. Accessed August 24, 2022. Released 2018. https://www.conservation.ca.gov/dlrp/wa/Documents/stats_reports/2018%20WA%20Status%20Report.pdf.
3 United States Fish and Wildlife Service. 2022. National Wetlands Inventory, Wetlands Mapper, Search by Address. Accessed August 24, 2022. https://fwsprimary.wim.usgs.gov/wetlands/apps/wetlands-mapper/.
4 Ibid.
5 Arcadia Municipal Code Chapter 1, Division 10, Tree Preservation (Section 9110.01 et al.)
6 United States Code Title 16, Subchapter II, Migratory Bird Treaty (Section 703 et al.)

CEQA Topic	Analysis Supporting No Potential for Significant Impact
Mineral Resources	There are no oil wells or oil/mineral extraction activities on the Project site.[7] Current on-site land uses do not allow for oil/mineral extraction. According to the City's General Plan, Resource Sustainability Element, Figure RS-1 (Mineral Resource Zones), the Project site is within the Mineral Resources Zone-2 (MRZ-2), which is characterized as areas where adequate information indicates that significant mineral deposits are present or there is a high likelihood for their presence, and development should be controlled.[8] However, given that the Project site is located within an urban setting, does not have a history of mineral extraction activities, does not currently allow for oil/mineral extraction, and is not designated for mineral extraction, the Project would not result in the loss of availability of a locally-important mineral resource recovery site delineated on the local general plan or other land use plan. Therefore, there would be no potential for significant impacts associated with mineral resources.
Wildfire	The Project site is in a highly urbanized area and is not within a Very High Fire Hazard Severity Zone and would not exacerbate or expose people or structures to wildfire risks or substantially impair an adopted emergency response plan. The nearest wildland areas are in the Monrovia Wilderness Preserve, approximately 1 mile north of the Project site. Based on the California Department of Forestry and Fire Protection's Fire Hazard Severity Zone web viewer, the Project site is not located in or near state responsibility areas or lands classified as Very High Fire Hazard Severity Zones. The closest designated Very High Fire Hazard Severity Zone is located approximately 0.92 mile north of the Project site.[9] Therefore, there would be no potential for significant impacts associated with wildfires.

7 Department of Conservation, Geologic Energy Management Division. 2022. Well Finder. Accessed August 24, 2022. https://maps.conservation.ca.gov/doggr/wellfinder/#openModal/-118.02294/34.14005/17.

8 City of Arcadia. 2010. Arcadia General Plan Resource Sustainability Element. Adopted November 2010. Accessed August 24, 2022. https://cms9files.revize.com/arcadia/Shape%20Arcadia/Development%20Services/general%20plan/Resource%20Sustainability.pdf.

9 California Department of Forestry and Fire Protection. 2022. FHSZ Viewer. Accessed August 24, 2022. http://egis.fire.ca.gov/FHSZ/.

Appendix A-2

Notice of Preparation Comment Letters

STATE OF CALIFORNIA Gavin Newsom, Governor

NATIVE AMERICAN HERITAGE COMMISSION

CHAIRPERSON
Laura Miranda
Luiseño

VICE CHAIRPERSON
Reginald Pagaling
Chumash

SECRETARY
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Miwok

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Wayne Nelson
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COMMISSIONER
Stanley Rodriguez
Kumeyaay

COMMISSIONER
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EXECUTIVE SECRETARY
Raymond C. Hitchcock
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NAHC HEADQUARTERS
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West Sacramento,
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nahc@nahc.ca.gov
NAHC.ca.gov

October 17, 2022

Fiona Graham
City of Arcadia
PO Box 60021
Arcadia, CA 91066

Re: 2022100298, The Derby Mixed-Use Project, Los Angeles County

Dear Ms. Graham:

The Native American Heritage Commission (NAHC) has received the Notice of Preparation (NOP), Draft Environmental Impact Report (DEIR) or Early Consultation for the project referenced above. The California Environmental Quality Act (CEQA) (Pub. Resources Code §21000 et seq.), specifically Public Resources Code §21084.1, states that a project 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. (Pub. Resources Code § 21084.1; Cal. Code Regs., tit.14, §15064.5 (b) (CEQA Guidelines §15064.5 (b)). If there is substantial evidence, in light of the whole record before a lead agency, that a project may have a significant effect on the environment, an Environmental Impact Report (EIR) shall be prepared. (Pub. Resources Code §21080 (d); Cal. Code Regs., tit. 14, § 5064 subd.(a)(1) (CEQA Guidelines §15064 (a)(1)). In order to determine whether a project will cause a substantial adverse change in the significance of a historical resource, a lead agency will need to determine whether there are historical resources within the area of potential effect (APE).

CEQA was amended significantly in 2014. Assembly Bill 52 (Gatto, Chapter 532, Statutes of 2014) (AB 52) amended CEQA to create a separate category of cultural resources, "tribal cultural resources" (Pub. Resources Code §21074) and provides that a project with an effect that may cause a substantial adverse change in the significance of a tribal cultural resource is a project that may have a significant effect on the environment. (Pub. Resources Code §21084.2). Public agencies shall, when feasible, avoid damaging effects to any tribal cultural resource. (Pub. Resources Code §21084.3 (a)). **AB 52 applies to any project for which a notice of preparation, a notice of negative declaration, or a mitigated negative declaration is filed on or after July 1, 2015.** If your project involves the adoption of or amendment to a general plan or a specific plan, or the designation or proposed designation of open space, on or after March 1, 2005, it may also be subject to Senate Bill 18 (Burton, Chapter 905, Statutes of 2004) (SB 18). **Both SB 18 and AB 52 have tribal consultation requirements.** If your project is also subject to the federal National Environmental Policy Act (42 U.S.C. § 4321 et seq.) (NEPA), the tribal consultation requirements of Section 106 of the National Historic Preservation Act of 1966 (154 U.S.C. 300101, 36 C.F.R. §800 et seq.) may also apply.

The NAHC recommends consultation with California Native American tribes that are traditionally and culturally affiliated with the geographic area of your proposed project as early as possible in order to avoid inadvertent discoveries of Native American human remains and best protect tribal cultural resources. Below is a brief summary of portions of AB 52 and SB 18 as well as the NAHC's recommendations for conducting cultural resources assessments.

Consult your legal counsel about compliance with AB 52 and SB 18 as well as compliance with any other applicable laws.

AB 52

AB 52 has added to CEQA the additional requirements listed below, along with many other requirements:

1. Fourteen Day Period to Provide Notice of Completion of an Application/Decision to Undertake a Project: Within fourteen (14) days of determining that an application for a project is complete or of a decision by a public agency to undertake a project, a lead agency shall provide formal notification to a designated contact of, or tribal representative of, traditionally and culturally affiliated California Native American tribes that have requested notice, to be accomplished by at least one written notice that includes:

- **a.** A brief description of the project.
- **b.** The lead agency contact information.
- **c.** Notification that the California Native American tribe has 30 days to request consultation. (Pub. Resources Code §21080.3.1 (d)).
- **d.** A "California Native American tribe" is defined as a Native American tribe located in California that is on the contact list maintained by the NAHC for the purposes of Chapter 905 of Statutes of 2004 (SB 18). (Pub. Resources Code §21073).

2. Begin Consultation Within 30 Days of Receiving a Tribe's Request for Consultation and Before Releasing a Negative Declaration, Mitigated Negative Declaration, or Environmental Impact Report: A lead agency shall begin the consultation process within 30 days of receiving a request for consultation from a California Native American tribe that is traditionally and culturally affiliated with the geographic area of the proposed project. (Pub. Resources Code §21080.3.1, subds. (d) and (e)) and prior to the release of a negative declaration, mitigated negative declaration or Environmental Impact Report. (Pub. Resources Code §21080.3.1(b)).

- **a.** For purposes of AB 52, "consultation shall have the same meaning as provided in Gov. Code §65352.4 (SB 18). (Pub. Resources Code §21080.3.1 (b)).

3. Mandatory Topics of Consultation If Requested by a Tribe: The following topics of consultation, if a tribe requests to discuss them, are mandatory topics of consultation:

- **a.** Alternatives to the project.
- **b.** Recommended mitigation measures.
- **c.** Significant effects. (Pub. Resources Code §21080.3.2 (a)).

4. Discretionary Topics of Consultation: The following topics are discretionary topics of consultation:

- **a.** Type of environmental review necessary.
- **b.** Significance of the tribal cultural resources.
- **c.** Significance of the project's impacts on tribal cultural resources.
- **d.** If necessary, project alternatives or appropriate measures for preservation or mitigation that the tribe may recommend to the lead agency. (Pub. Resources Code §21080.3.2 (a)).

5. Confidentiality of Information Submitted by a Tribe During the Environmental Review Process: With some exceptions, any information, including but not limited to, the location, description, and use of tribal cultural resources submitted by a California Native American tribe during the environmental review process shall not be included in the environmental document or otherwise disclosed by the lead agency or any other public agency to the public, consistent with Government Code §6254 (r) and §6254.10. Any information submitted by a California Native American tribe during the consultation or environmental review process shall be published in a confidential appendix to the environmental document unless the tribe that provided the information consents, in writing, to the disclosure of some or all of the information to the public. (Pub. Resources Code §21082.3 (c)(1)).

6. Discussion of Impacts to Tribal Cultural Resources in the Environmental Document: If a project may have a significant impact on a tribal cultural resource, the lead agency's environmental document shall discuss both of the following:

- **a.** Whether the proposed project has a significant impact on an identified tribal cultural resource.
- **b.** Whether feasible alternatives or mitigation measures, including those measures that may be agreed to pursuant to Public Resources Code §21082.3, subdivision (a), avoid or substantially lessen the impact on the identified tribal cultural resource. (Pub. Resources Code §21082.3 (b)).

7. Conclusion of Consultation: Consultation with a tribe shall be considered concluded when either of the following occurs:

a. The parties agree to measures to mitigate or avoid a significant effect, if a significant effect exists, on a tribal cultural resource; or

b. A party, acting in good faith and after reasonable effort, concludes that mutual agreement cannot be reached. (Pub. Resources Code §21080.3.2 (b)).

8. Recommending Mitigation Measures Agreed Upon in Consultation in the Environmental Document: Any mitigation measures agreed upon in the consultation conducted pursuant to Public Resources Code §21080.3.2 shall be recommended for inclusion in the environmental document and in an adopted mitigation monitoring and reporting program, if determined to avoid or lessen the impact pursuant to Public Resources Code §21082.3, subdivision (b), paragraph 2, and shall be fully enforceable. (Pub. Resources Code §21082.3 (a)).

9. Required Consideration of Feasible Mitigation: If mitigation measures recommended by the staff of the lead agency as a result of the consultation process are not included in the environmental document or if there are no agreed upon mitigation measures at the conclusion of consultation, or if consultation does not occur, and if substantial evidence demonstrates that a project will cause a significant effect to a tribal cultural resource, the lead agency shall consider feasible mitigation pursuant to Public Resources Code §21084.3 (b). (Pub. Resources Code §21082.3 (e)).

10. Examples of Mitigation Measures That, If Feasible, May Be Considered to Avoid or Minimize Significant Adverse Impacts to Tribal Cultural Resources:

a. Avoidance and preservation of the resources in place, including, but not limited to:

i. Planning and construction to avoid the resources and protect the cultural and natural context.

ii. Planning greenspace, parks, or other open space, to incorporate the resources with culturally appropriate protection and management criteria.

b. Treating the resource with culturally appropriate dignity, taking into account the tribal cultural values and meaning of the resource, including, but not limited to, the following:

i. Protecting the cultural character and integrity of the resource.

ii. Protecting the traditional use of the resource.

iii. Protecting the confidentiality of the resource.

c. Permanent conservation easements or other interests in real property, with culturally appropriate management criteria for the purposes of preserving or utilizing the resources or places.

d. Protecting the resource. (Pub. Resource Code §21084.3 (b)).

e. Please note that a federally recognized California Native American tribe or a non-federally recognized California Native American tribe that is on the contact list maintained by the NAHC to protect a California prehistoric, archaeological, cultural, spiritual, or ceremonial place may acquire and hold conservation easements if the conservation easement is voluntarily conveyed. (Civ. Code §815.3 (c)).

f. Please note that it is the policy of the state that Native American remains and associated grave artifacts shall be repatriated. (Pub. Resources Code §5097.991).

11. Prerequisites for Certifying an Environmental Impact Report or Adopting a Mitigated Negative Declaration or Negative Declaration with a Significant Impact on an Identified Tribal Cultural Resource: An Environmental Impact Report may not be certified, nor may a mitigated negative declaration or a negative declaration be adopted unless one of the following occurs:

a. The consultation process between the tribes and the lead agency has occurred as provided in Public Resources Code §21080.3.1 and §21080.3.2 and concluded pursuant to Public Resources Code §21080.3.2.

b. The tribe that requested consultation failed to provide comments to the lead agency or otherwise failed to engage in the consultation process.

c. The lead agency provided notice of the project to the tribe in compliance with Public Resources Code §21080.3.1 (d) and the tribe failed to request consultation within 30 days. (Pub. Resources Code §21082.3 (d)).

The NAHC's PowerPoint presentation titled, "Tribal Consultation Under AB 52: Requirements and Best Practices" may be found online at: http://nahc.ca.gov/wp-content/uploads/2015/10/AB52TribalConsultation_CalEPAPDF.pdf

SB 18

SB 18 applies to local governments and requires local governments to contact, provide notice to, refer plans to, and consult with tribes prior to the adoption or amendment of a general plan or a specific plan, or the designation of open space. (Gov. Code §65352.3). Local governments should consult the Governor's Office of Planning and Research's "Tribal Consultation Guidelines," which can be found online at: https://www.opr.ca.gov/docs/09_14_05_Updated_Guidelines_922.pdf.

Some of SB 18's provisions include:

1. Tribal Consultation: If a local government considers a proposal to adopt or amend a general plan or a specific plan, or to designate open space it is required to contact the appropriate tribes identified by the NAHC by requesting a "Tribal Consultation List." If a tribe, once contacted, requests consultation the local government must consult with the tribe on the plan proposal. **A tribe has 90 days from the date of receipt of notification to request consultation unless a shorter timeframe has been agreed to by the tribe.** (Gov. Code §65352.3 (a)(2)).
2. No Statutory Time Limit on SB 18 Tribal Consultation. There is no statutory time limit on SB 18 tribal consultation.
3. Confidentiality: Consistent with the guidelines developed and adopted by the Office of Planning and Research pursuant to Gov. Code §65040.2, the city or county shall protect the confidentiality of the information concerning the specific identity, location, character, and use of places, features and objects described in Public Resources Code §5097.9 and §5097.993 that are within the city's or county's jurisdiction. (Gov. Code §65352.3 (b)).
4. Conclusion of SB 18 Tribal Consultation: Consultation should be concluded at the point in which:
    a. The parties to the consultation come to a mutual agreement concerning the appropriate measures for preservation or mitigation; or
    b. Either the local government or the tribe, acting in good faith and after reasonable effort, concludes that mutual agreement cannot be reached concerning the appropriate measures of preservation or mitigation. (Tribal Consultation Guidelines, Governor's Office of Planning and Research (2005) at p. 18).

Agencies should be aware that neither AB 52 nor SB 18 precludes agencies from initiating tribal consultation with tribes that are traditionally and culturally affiliated with their jurisdictions before the timeframes provided in AB 52 and SB 18. For that reason, we urge you to continue to request Native American Tribal Contact Lists and "Sacred Lands File" searches from the NAHC. The request forms can be found online at: http://nahc.ca.gov/resources/forms/.

NAHC Recommendations for Cultural Resources Assessments

To adequately assess the existence and significance of tribal cultural resources and plan for avoidance, preservation in place, or barring both, mitigation of project-related impacts to tribal cultural resources, the NAHC recommends the following actions:

1. Contact the appropriate regional California Historical Research Information System (CHRIS) Center (https://ohp.parks.ca.gov/?page_id=30331) for an archaeological records search. The records search will determine:
    a. If part or all of the APE has been previously surveyed for cultural resources.
    b. If any known cultural resources have already been recorded on or adjacent to the APE.
    c. If the probability is low, moderate, or high that cultural resources are located in the APE.
    d. If a survey is required to determine whether previously unrecorded cultural resources are present.

2. If an archaeological inventory survey is required, the final stage is the preparation of a professional report detailing the findings and recommendations of the records search and field survey.
    a. The final report containing site forms, site significance, and mitigation measures should be submitted immediately to the planning department. All information regarding site locations, Native American human remains, and associated funerary objects should be in a separate confidential addendum and not be made available for public disclosure.
    b. The final written report should be submitted within 3 months after work has been completed to the appropriate regional CHRIS center.

3. Contact the NAHC for:
   a. A Sacred Lands File search. Remember that tribes do not always record their sacred sites in the Sacred Lands File, nor are they required to do so. A Sacred Lands File search is not a substitute for consultation with tribes that are traditionally and culturally affiliated with the geographic area of the project's APE.
   b. A Native American Tribal Consultation List of appropriate tribes for consultation concerning the project site and to assist in planning for avoidance, preservation in place, or, failing both, mitigation measures.

4. Remember that the lack of surface evidence of archaeological resources (including tribal cultural resources) does not preclude their subsurface existence.
   a. Lead agencies should include in their mitigation and monitoring reporting program plan provisions for the identification and evaluation of inadvertently discovered archaeological resources per Cal. Code Regs., tit. 14, §15064.5(f) (CEQA Guidelines §15064.5(f)). In areas of identified archaeological sensitivity, a certified archaeologist and a culturally affiliated Native American with knowledge of cultural resources should monitor all ground-disturbing activities.
   b. Lead agencies should include in their mitigation and monitoring reporting program plans provisions for the disposition of recovered cultural items that are not burial associated in consultation with culturally affiliated Native Americans.
   c. Lead agencies should include in their mitigation and monitoring reporting program plans provisions for the treatment and disposition of inadvertently discovered Native American human remains. Health and Safety Code §7050.5, Public Resources Code §5097.98, and Cal. Code Regs., tit. 14, §15064.5, subdivisions (d) and (e) (CEQA Guidelines §15064.5, subds. (d) and (e)) address the processes to be followed in the event of an inadvertent discovery of any Native American human remains and associated grave goods in a location other than a dedicated cemetery.

If you have any questions or need additional information, please contact me at my email address: Andrew.Green@nahc.ca.gov.

Sincerely,

Andrew Green

Andrew Green
Cultural Resources Analyst

cc: State Clearinghouse

DEPARTMENT OF TRANSPORTATION
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100 S. MAIN STREET, MS 16
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Making Conservation a California Way of Life

November 9, 2022

Ms. Fiona Graham, Planning Services Manager
Planning Division
City of Arcadia
240 West Huntington Drive
Arcadia, CA 91007

RE: The Derby Mixed-Use Project
SCH # 2022100298
Vic. LA-210/PM R32.9
GTS # LA-2022-04093-NOP

Dear Ms. Graham:

Thank you for including the California Department of Transportation (Caltrans) in the environmental review process for the above-referenced NOP. The Project would construct a new space for The Derby restaurant as part of a new mixed-use residential and commercial development. The existing buildings and surface parking lots on the Project site would be demolished to accommodate the proposed Project and the Lot Line Adjustment would merge the two existing lots into one legal lot. The Project would include 205 market-rate units and 9 affordable units, totaling 214 for-rent dwelling units.

The ground level would include the new The Derby restaurant (including 12,850 sf for both levels), a 1,400 s.f. café space, a 3,300 s.f. complementary restaurant space, a residential leasing office, a residential lobby, and a residential bike storage area, as well as interior and exterior restaurant/café/valet parking areas. Level two would include a portion of The Derby's restaurant area, which would serve as The Derby's rooftop bar, as well as a residential co-working space, residential units, and an exterior residential courtyard and amenity space. Level three and level four would consist entirely of residential units, residential storage, and interior residential amenity spaces, including a yoga room. Level five would include residential units and additional residential amenity spaces, including the outdoor pool, roof deck, and interior amenity kitchen. Level six would include residential units, as well as a residential fitness center and exterior courtyard.

The mission of Caltrans is to provide a safe and reliable transportation network that serves all people and respects the environment. Senate Bill 743 (2013) has codified into CEQA law and mandated that CEQA review of transportation impacts of proposed development

be modified by using Vehicle Miles Traveled (VMT) as the primary metric in identifying transportation impacts for all future development projects. You may reference the Governor's Office of Planning and Research (OPR) for more information:

https://opr.ca.gov/ceqa/#guidelines-updates

As a reminder, VMT is the standard transportation analysis metric in CEQA for land use projects after July 1, 2020, which is the statewide implementation date.

Caltrans is aware of the challenges that the region faces in identifying viable solutions to alleviating congestion on State and Local facilities. With limited room to expand vehicular capacity, this development should incorporate multi-modal and complete streets transportation elements that will actively promote alternatives to car use and better manage existing parking assets. Prioritizing and allocating space to efficient modes of travel such as bicycling and public transit can allow streets to transport more people in a fixed amount of right-of-way.

Caltrans supports the implementation of complete streets and pedestrian safety measures such as road diets and other traffic calming measures. Please note the Federal Highway Administration (FHWA) recognizes the road diet treatment as a proven safety countermeasure, and the cost of a road diet can be significantly reduced if implemented in tandem with routine street resurfacing. Overall, the environmental report should ensure all modes are served well by planning and development activities. This includes reducing single occupancy vehicle trips, ensuring safety, reducing vehicle miles traveled, supporting accessibility, and reducing greenhouse gas emissions.

We encourage the Lead Agency to evaluate the potential of Transportation Demand Management (TDM) strategies and Intelligent Transportation System (ITS) applications in order to better manage the transportation network, as well as transit service and bicycle or pedestrian connectivity improvements. For additional TDM options, please refer to the Federal Highway Administration's *Integrating Demand Management into the Transportation Planning Process: A Desk Reference* (Chapter 8). This reference is available online at:

http://www.ops.fhwa.dot.gov/publications/fhwahop12035/fhwahop12035.pdf

You can also refer to the 2010 *Quantifying Greenhouse Gas Mitigation Measures* report by the California Air Pollution Control Officers Association (CAPCOA), which is available online at:

http://www.capcoa.org/wp-content/uploads/2010/11/CAPCOA-Quantification-Report-9-14-Final.pdf

Also, Caltrans has published the VMT-focused Transportation Impact Study Guide (TISG), dated May 20, 2020 and the Caltrans Interim Land Development and Intergovernmental Review (LD-IGR) Safety Review Practitioners Guidance, prepared in On December 18, 2020. You can review the SB 743 Implementation Resource at the following link:

https://dot.ca.gov/programs/sustainability/sb-743/sb743-resources

Potential Environmental Effects of the Project should include the Transportation section with VMT analysis in the Draft Environmental Impact Report. Due to the project size and distance to the State facilities, Caltrans requests queuing analysis with actual signal timing at the eastbound/westbound off-ramps on I-210 to Huntington Dr.

Caltrans encourages lead agencies to prepare traffic safety impact analysis for this development in the California Environmental Quality Act (CEQA) review process using Caltrans guidelines above on the State facilities so that, through partnerships and collaboration, California can reach zero fatalities and serious injuries by 2050.

If you have any questions, please feel free to contact Mr. Alan Lin the project coordinator at (213) 269-1124 and refer to GTS # LA-2022-04093AL-NOP.

Sincerely,

Miya Edmonson

MIYA EDMONSON
LDR/CEQA Branch Chief

email: State Clearinghouse

LOS ANGELES COUNTY
SANITATION DISTRICTS
Converting Waste Into Resources

Robert C. Ferrante
Chief Engineer and General Manager

1955 Workman Mill Road, Whittier, CA 90601-1400
Mailing Address: P.O. Box 4998, Whittier, CA 90607-4998
(562) 699-7411 • www.lacsd.org

November 8, 2022

Ref. DOC 6726142

Ms. Fiona Graham, Planning Services Manager
City of Arcadia Planning Division
240 West Huntington Drive
Arcadia, CA 91007

Dear Ms. Graham:

NOP Response to the Derby Mixed-Used Project

The Los Angeles County Sanitation Districts (Districts) received a Notice of Preparation (NOP) of a Draft Environmental Impact Report for the subject project on October 13, 2022. The proposed project is located within the jurisdictional boundaries of District No. 15. We offer the following comments regarding sewerage service:

1. The wastewater flow originating from the proposed project will discharge to a local sewer line, which is not maintained by the Districts, for conveyance to the Districts' Arcadia-Sierra Madre Sections 2 & 5 Trunk Sewer, located in South Second Avenue at East Camino Real. The Districts' 15-inch diameter trunk sewer has a capacity of 4.1 million gallons per day (mgd) and conveyed a peak flow of 0.6 mgd when last measured in 2013.

2. The expected average wastewater flow from the project, described in the NOP as 214 residential units, a 12,850 square-foot restaurant, a 1,400 square-foot café, and a 3,300 square-foot complementary restaurant space, is 50,934 gallons per day. For a copy of the District's average wastewater generation factors, go to www.lacsd.org, under Services, then Wastewater Program and Permits and select Will Serve Program, and click on the Table 1, Loadings for Each Class of Land Use link.

3. The wastewater generated by the proposed project will be treated at the San Jose Creek Water Reclamation Plant located adjacent to the City of Industry, which has a capacity of 100 mgd and currently processes an average recycled flow of 62.7 mgd.

4. The Districts are empowered by the California Health and Safety Code to charge a fee to connect facilities (directly or indirectly) to the Districts' Sewerage System or to increase the strength or quantity of wastewater discharged from connected facilities. This connection fee is used by the Districts for its capital facilities. Payment of a connection fee may be required before this project is permitted to discharge to the Districts' Sewerage System. For more information and a copy of the Connection Fee Information Sheet, go to www.lacsd.org, under Services, then Wastewater (Sewage) and select Rates & Fees. In determining the impact to the Sewerage System and applicable connection fees, the Districts will determine the user category (e.g. Condominium, Single Family Home, etc.) that best represents the actual or anticipated use of the parcel(s) or facilities on the parcel(s) in the development. For more specific information regarding the connection fee application procedure and fees, the developer should contact the Districts' Wastewater Fee Public Counter at (562) 908-4288, extension 2727.

5. In order for the Districts to conform to the requirements of the Federal Clean Air Act (CAA), the capacities of the Districts' wastewater treatment facilities are based on the regional growth forecast adopted by the

Southern California Association of Governments (SCAG). Specific policies included in the development of the SCAG regional growth forecast are incorporated into clean air plans, which are prepared by the South Coast and Antelope Valley Air Quality Management Districts in order to improve air quality in the South Coast and Mojave Desert Air Basins as mandated by the CAA. All expansions of Districts' facilities must be sized and service phased in a manner that will be consistent with the SCAG regional growth forecast for the counties of Los Angeles, Orange, San Bernardino, Riverside, Ventura, and Imperial. The available capacity of the Districts' treatment facilities will, therefore, be limited to levels associated with the approved growth identified by SCAG. As such, this letter does not constitute a guarantee of wastewater service but is to advise the developer that the Districts intend to provide this service up to the levels that are legally permitted and to inform the developer of the currently existing capacity and any proposed expansion of the Districts' facilities.

If you have any questions, please contact the undersigned at (562) 908-4288, extension 2743, or mandyhuffman@lacsd.org.

Very truly yours,

Mandy Huffman

Mandy Huffman
Environmental Planner
Facilities Planning Department

MNH:mnh

cc: A. Schmidt
A. Howard

South Coast
Air Quality Management District
21865 Copley Drive, Diamond Bar, CA 91765-4178
(909) 396-2000 • www.aqmd.gov

SENT VIA E-MAIL:
fgraham@ArcadiaCA.gov
Ms. Fiona Graham, Planning Services Manager
City of Arcadia
Planning Division
240 West Huntington Drive
Arcadia, California 91007

November 11, 2022

Notice of Preparation of an Environmental Impact Report for The Derby Mixed-Use Project

South Coast Air Quality Management District (South Coast AQMD) staff appreciates the opportunity to comment on the above-mentioned document. Our comments are recommendations on the analysis of potential air quality impacts from the Proposed Project that should be included in the Environmental Impact Report (EIR). Please send a copy of the EIR upon its completion and public release directly to South Coast AQMD as copies of the EIR submitted to the State Clearinghouse are not forwarded. **In addition, please send all appendices and technical documents related to the air quality, health risk, and greenhouse gas analyses and electronic versions of all emission calculation spreadsheets, and air quality modeling and health risk assessment input and output files (not PDF files). Any delays in providing all supporting documentation for our review will require additional review time beyond the end of the comment period.**

CEQA Air Quality Analysis

Staff recommends that the Lead Agency use South Coast AQMD's CEQA Air Quality Handbook and website[1] as guidance when preparing the air quality and greenhouse gas analyses. It is also recommended that the Lead Agency use the CalEEMod[2] land use emissions software, which can estimate pollutant emissions from typical land use development and is the only software model maintained by the California Air Pollution Control Officers Association.

South Coast AQMD has developed both regional and localized significance thresholds. South Coast AQMD staff recommends that the Lead Agency quantify criteria pollutant emissions and compare the emissions to South Coast AQMD's CEQA regional pollutant emissions significance thresholds[3] and localized significance thresholds (LSTs)[4] to determine the Proposed Project's air quality impacts. The localized analysis can be conducted by either using the LST screening tables or performing dispersion modeling.

The Lead Agency should identify any potential adverse air quality impacts that could occur from all phases of the Proposed Project and all air pollutant sources related to the Proposed Project. Air quality impacts from both construction (including demolition, if any) and operations should be calculated. Construction-related air quality impacts typically include, but are not limited to, emissions from the use of

[1] South Coast AQMD's CEQA Handbook and other resources for preparing air quality analyses can be found at: http://www.aqmd.gov/home/rules-compliance/ceqa/air-quality-analysis-handbook.
[2] CalEEMod is available free of charge at: www.caleemod.com.
[3] South Coast AQMD's CEQA regional pollutant emissions significance thresholds can be found at: http://www.aqmd.gov/docs/default-source/ceqa/handbook/scaqmd-air-quality-significance-thresholds.pdf.
[4] South Coast AQMD's guidance for performing a localized air quality analysis can be found at: http://www.aqmd.gov/home/regulations/ceqa/air-quality-analysis-handbook/localized-significance-thresholds.

heavy-duty equipment from grading, earth-loading/unloading, paving, architectural coatings, off-road mobile sources (e.g., heavy-duty construction equipment) and on-road mobile sources (e.g., construction worker vehicle trips, material transport trips, and hauling trips). Operation-related air quality impacts may include, but are not limited to, emissions from stationary sources (e.g., boilers and air pollution control devices), area sources (e.g., solvents and coatings), and vehicular trips (e.g., on- and off-road tailpipe emissions and entrained dust). Air quality impacts from indirect sources, such as sources that generate or attract vehicular trips, should be included in the analysis. Furthermore, emissions from the overlapping construction and operational activities should be combined and compared to South Coast AQMD's regional air quality CEQA ***operational*** thresholds to determine the level of significance.

If the Proposed Project generates diesel emissions from long-term construction or attracts diesel-fueled vehicular trips, especially heavy-duty diesel-fueled vehicles, it is recommended that the Lead Agency perform a mobile source health risk assessment[5].

In the event that implementation of the Proposed Project requires a permit from South Coast AQMD, South Coast AQMD should be identified as a Responsible Agency for the Proposed Project in the Draft EIR. The assumptions in the air quality analysis in the EIR will be the basis for evaluating the permit under CEQA and imposing permit conditions and limits. Questions on permits should be directed to South Coast AQMD's Engineering and Permitting staff at (909) 396-3385.

Mitigation Measures

In the event that the Proposed Project results in significant adverse air quality impacts, CEQA requires that all feasible mitigation measures that go beyond what is required by law be utilized to minimize these impacts. Any impacts resulting from mitigation measures must also be analyzed. Several resources to assist the Lead Agency with identifying potential mitigation measures for the Proposed Project include South Coast AQMD's CEQA Air Quality Handbook,[6] South Coast AQMD's Mitigation Monitoring and Reporting Plan for the 2022 Air Quality Management Plan,[7] and Southern California Association of Government's Mitigation Monitoring and Reporting Plan for the 2020-2045 Regional Transportation Plan/Sustainable Communities Strategy.[8]

Mitigation measures for operational air quality impacts from other area sources that the Lead Agency should consider in the EIR may also include the following:

- Maximize use of solar energy by installing solar energy arrays.
- Use light colored paving and roofing materials.
- Utilize only Energy Star heating, cooling, and lighting devices, and appliances.
- Use of water-based or low VOC cleaning products that go beyond the requirements of South Coast AQMD Rule 1113.

South Coast AQMD staff is available to work with the Lead Agency to ensure that air quality, greenhouse gas, and health risk impacts from the Proposed Project are accurately evaluated and mitigated where feasible. If you have any questions regarding this letter, please contact me at swang1@aqmd.gov.

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[5] South Coast AQMD's guidance for performing a mobile source health risk assessment can be found at: http://www.aqmd.gov/home/regulations/ceqa/air-quality-analysis-handbook/mobile-source-toxics-analysis.

[6] https://www.aqmd.gov/home/rules-compliance/ceqa/air-quality-analysis-handbook

[7] South Coast AQMD's 2022 Air Quality Management Plan can be found at: http://www.aqmd.gov/home/air-quality/clean-air-plans/air-quality-mgt-plan (Chapter 4 - Control Strategy and Implementation).

[8] Southern California Association of Governments' 2020-2045 RTP/SCS can be found at: https://www.connectsocal.org/Documents/PEIR/certified/Exhibit-A_ConnectSoCal_PEIR.pdf.

Sincerely,

Sam Wang

Sam Wang
Program Supervisor, CEQA IGR
Planning, Rule Development & Implementation

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VIA E-MAIL

October 25, 2022

Fiona Graham, Planning Services Manager
City of Arcadia
Planning Division
240 West Huntington Drive
Arcadia, CA
Em: fgraham@ArcadiaCA.gov

RE: City of Arcadia's The Derby Mixed-Use Project

Dear Ms. Graham,

On behalf of the Southwest Regional Council of Carpenters ("**Southwest Carpenters**" or "**SWRCC**"), my Office is submitting these comments for the City of Arcadia's ("**City**") October 26, 2002, Scoping Meeting for The Derby Mixed-Use Project ("**Project**").

The Southwest Carpenters is a labor union representing 57,000 union carpenters in six states, including California, and has a strong interest in well-ordered land use planning and in addressing the environmental impacts of development projects.

Individual members of the Southwest Carpenters live, work, and recreate in the City and surrounding communities and would be directly affected by the Project's environmental impacts.

The Southwest Carpenters expressly reserves the right to supplement these comments at or prior to hearings on the Project, and at any later hearing and proceeding related to this Project. Gov. Code, § 65009, subd. (b); Pub. Res. Code, § 21177, subd. (a); see *Bakersfield Citizens for Local Control v. Bakersfield* (2004) 124 Cal.App.4th 1184, 1199-1203; see also *Galante Vineyards v. Monterey Water Dist.* (1997) 60 Cal.App.4th 1109, 1121.

The Southwest Carpenters incorporates by reference all comments raising issues regarding the Environmental Impact Report (EIR) submitted prior to certification of the EIR for the Project. See *Citizens for Clean Energy v City of Woodland* (2014) 225

Cal.App.4th 173, 191 (finding that any party who has objected to the project's environmental documentation may assert any issue timely raised by other parties).

Moreover, the Southwest Carpenters requests that the City provide notice for any and all notices referring or related to the Project issued under the California Environmental Quality Act (**CEQA**) (Pub. Res. Code, § 21000 *et seq.*), and the California Planning and Zoning Law ("**Planning and Zoning Law**") (Gov. Code, §§ 65000–65010). California Public Resources Code Sections 21092.2, and 21167(f) and California Government Code Section 65092 require agencies to mail such notices to any person who has filed a written request for them with the clerk of the agency's governing body.

I. THE CITY SHOULD REQUIRE THE USE OF A LOCAL WORKFORCE TO BENEFIT THE COMMUNITY'S ECONOMIC DEVELOPMENT AND ENVIRONMENT

The City should require the Project to be built using a local workers who have graduated from a Joint Labor-Management Apprenticeship Program approved by the State of California, have at least as many hours of on-the-job experience in the applicable craft which would be required to graduate from such a state-approved apprenticeship training program, or who are registered apprentices in a state-approved apprenticeship training program.

Community benefits such as local hire can also be helpful to reduce environmental impacts and improve the positive economic impact of the Project. Local hire provisions requiring that a certain percentage of workers reside within 10 miles or less of the Project site can reduce the length of vendor trips, reduce greenhouse gas emissions, and provide localized economic benefits. As environmental consultants Matt Hagemann and Paul E. Rosenfeld note:

> [A]ny local hire requirement that results in a decreased worker trip length from the default value has the potential to result in a reduction of construction-related GHG emissions, though the significance of the reduction would vary based on the location and urbanization level of the project site.

March 8, 2021 SWAPE Letter to Mitchell M. Tsai re Local Hire Requirements and Considerations for Greenhouse Gas Modeling.

Workforce requirements promote the development of skilled trades that yield sustainable economic development. As the California Workforce Development Board and the University of California, Berkeley Center for Labor Research and Education concluded:

> [L]abor should be considered an investment rather than a cost—and investments in growing, diversifying, and upskilling California's workforce can positively affect returns on climate mitigation efforts. In other words, well-trained workers are key to delivering emissions reductions and moving California closer to its climate targets.[1]

Furthermore, workforce policies have significant environmental benefits given that they improve an area's jobs-housing balance, decreasing the amount and length of job commutes and the associated greenhouse gas (GHG) emissions. In fact, on May 7, 2021, the South Coast Air Quality Management District found that that the "[u]se of a local state-certified apprenticeship program" can result in air pollutant reductions.[2]

Locating jobs closer to residential areas can have significant environmental benefits. As the California Planning Roundtable noted in 2008:

> People who live and work in the same jurisdiction would be more likely to take transit, walk, or bicycle to work than residents of less balanced communities and their vehicle trips would be shorter. Benefits would include potential reductions in both vehicle miles traveled and vehicle hours traveled.[3]

Moreover, local hire mandates and skill-training are critical facets of a strategy to reduce vehicle miles traveled (VMT). As planning experts Robert Cervero and

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[1] California Workforce Development Board (2020) Putting California on the High Road: A Jobs and Climate Action Plan for 2030 at p. ii, *available at* https://laborcenter.berkeley.edu/wp-content/uploads/2020/09/Putting-California-on-the-High-Road.pdf.

[2] South Coast Air Quality Management District (May 7, 2021) Certify Final Environmental Assessment and Adopt Proposed Rule 2305 – Warehouse Indirect Source Rule – Warehouse Actions and Investments to Reduce Emissions Program, and Proposed Rule 316 – Fees for Rule 2305, Submit Rule 2305 for Inclusion Into the SIP, and Approve Supporting Budget Actions, *available at* http://www.aqmd.gov/docs/default-source/Agendas/Governing-Board/2021/2021-May7-027.pdf?sfvrsn=10.

[3] California Planning Roundtable (2008) Deconstructing Jobs-Housing Balance at p. 6, *available at* https://cproundtable.org/static/media/uploads/publications/cpr-jobs-housing.pdf

Michael Duncan have noted, simply placing jobs near housing stock is insufficient to achieve VMT reductions given that the skill requirements of available local jobs must match those held by local residents.[4] Some municipalities have even tied local hire and other workforce policies to local development permits to address transportation issues. Cervero and Duncan note that:

> In nearly built-out Berkeley, CA, the approach to balancing jobs and housing is to create local jobs rather than to develop new housing. The city's First Source program encourages businesses to hire local residents, especially for entry- and intermediate-level jobs, and sponsors vocational training to ensure residents are employment-ready. While the program is voluntary, some 300 businesses have used it to date, placing more than 3,000 city residents in local jobs since it was launched in 1986. When needed, these carrots are matched by sticks, since the city is not shy about negotiating corporate participation in First Source as a condition of approval for development permits.

Recently, the State of California verified its commitment towards workforce development through the Affordable Housing and High Road Jobs Act of 2022, otherwise known as Assembly Bill No. 2011 ("**AB2011**"). AB2011 amended the Planning and Zoning Law to allow ministerial, by-right approval for projects being built alongside commercial corridors that meet affordability and labor requirements.

The City should consider utilizing local workforce policies and requirements to benefit the local area economically and to mitigate greenhouse gas, improve air quality, and reduce transportation impacts.

II. THE CITY SHOULD IMPOSE TRAINING REQUIREMENTS FOR THE PROJECT'S CONSTRUCTION ACTIVITIES TO PREVENT COMMUNITY SPREAD OF COVID-19 AND OTHER INFECTIOUS DISEASES

Construction work has been defined as a Lower to High-risk activity for COVID-19 spread by the Occupations Safety and Health Administration. Recently, several

[4] Cervero, Robert and Duncan, Michael (2006) Which Reduces Vehicle Travel More: Jobs-Housing Balance or Retail-Housing Mixing? Journal of the American Planning Association 72 (4), 475-490, 482, *available at* http://reconnectingamerica.org/assets/Uploads/UTCT-825.pdf.

construction sites have been identified as sources of community spread of COVID-19.[5]

Southwest Carpenters recommend that the Lead Agency adopt additional requirements to mitigate public health risks from the Project's construction activities. Southwest Carpenters requests that the Lead Agency require safe on-site construction work practices as well as training and certification for any construction workers on the Project Site.

In particular, based upon Southwest Carpenters' experience with safe construction site work practices, Southwest Carpenters recommends that the Lead Agency require that while construction activities are being conducted at the Project Site:

Construction Site Design:

- The Project Site will be limited to two controlled entry points.
- Entry points will have temperature screening technicians taking temperature readings when the entry point is open.
- The Temperature Screening Site Plan shows details regarding access to the Project Site and Project Site logistics for conducting temperature screening.
- A 48-hour advance notice will be provided to all trades prior to the first day of temperature screening.
- The perimeter fence directly adjacent to the entry points will be clearly marked indicating the appropriate 6-foot social distancing position for when you approach the screening area. Please reference the Apex temperature screening site map for additional details.
- There will be clear signage posted at the project site directing you through temperature screening.

[5] Santa Clara County Public Health (June 12, 2020) COVID-19 CASES AT CONSTRUCTION SITES HIGHLIGHT NEED FOR CONTINUED VIGILANCE IN SECTORS THAT HAVE REOPENED, *available at* https://www.sccgov.org/sites/covid19/Pages/press-release-06-12-2020-cases-at-construction-sites.aspx.

- Provide hand washing stations throughout the construction site.

Testing Procedures:

- The temperature screening being used are non-contact devices.
- Temperature readings will not be recorded.
- Personnel will be screened upon entering the testing center and should only take 1-2 seconds per individual.
- Hard hats, head coverings, sweat, dirt, sunscreen or any other cosmetics must be removed on the forehead before temperature screening.
- Anyone who refuses to submit to a temperature screening or does not answer the health screening questions will be refused access to the Project Site.
- Screening will be performed at both entrances from 5:30 am to 7:30 am.; main gate [ZONE 1] and personnel gate [ZONE 2]
- After 7:30 am only the main gate entrance [ZONE 1] will continue to be used for temperature testing for anybody gaining entry to the project site such as returning personnel, deliveries, and visitors.
- If the digital thermometer displays a temperature reading above 100.0 degrees Fahrenheit, a second reading will be taken to verify an accurate reading.
- If the second reading confirms an elevated temperature, DHS will instruct the individual that he/she will not be allowed to enter the Project Site. DHS will also instruct the individual to promptly notify his/her supervisor and his/her human resources (HR) representative and provide them with a copy of Annex A.

Planning

- Require the development of an Infectious Disease Preparedness and Response Plan that will include basic infection prevention measures (requiring the use of personal protection equipment), policies and procedures for prompt identification and isolation of sick individuals, social distancing (prohibiting gatherings of no more than 10 people including all-hands meetings and all-hands lunches) communication and training and workplace controls that meet standards that may be promulgated by the Center for Disease Control, Occupational Safety and Health Administration, Cal/OSHA, California Department of Public Health or applicable local public health agencies.[6]

The United Brotherhood of Carpenters and Carpenters International Training Fund has developed COVID-19 Training and Certification to ensure that Carpenter union members and apprentices conduct safe work practices. The Agency should require that all construction workers undergo COVID-19 Training and Certification before being allowed to conduct construction activities at the Project Site.

Southwest Carpenters has also developed a rigorous Infection Control Risk Assessment ("**ICRA**") training program to ensure it delivers a workforce that understands how to identify and control infection risks by implementing protocols to protect themselves and all others during renovation and construction projects in healthcare environments.[7]

ICRA protocols are intended to contain pathogens, control airflow, and protect patients during the construction, maintenance and renovation of healthcare facilities. ICRA protocols prevent cross contamination, minimizing the risk of secondary infections in patients at hospital facilities.

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[6] *See also* The Center for Construction Research and Training, North America's Building Trades Unions (April 27 2020) NABTU and CPWR COVIC-19 Standards for U.S Constructions Sites, *available at* https://www.cpwr.com/sites/default/files/NABTU_CPWR_Standards_COVID-19.pdf; Los Angeles County Department of Public Works (2020) Guidelines for Construction Sites During COVID-19 Pandemic, *available at* https://dpw.lacounty.gov/building-and-safety/docs/pw_guidelines-construction-sites.pdf.

[7] For details concerning Southwest Carpenters's ICRA training program, *see* https://icrahealthcare.com/.

The City should require the Project to be built using a workforce trained in ICRA protocols.

Sincerely,



Talia Nimmer
Attorneys for Southwest Regional
Council of Carpenters

Attached:

March 8, 2021 SWAPE Letter to Mitchell M. Tsai re Local Hire Requirements and Considerations for Greenhouse Gas Modeling (Exhibit A);

Air Quality and GHG Expert Paul Rosenfeld CV (Exhibit B); and

Air Quality and GHG Expert Matt Hagemann CV (Exhibit C).

EXHIBIT A

SWAPE Technical Consultation, Data Analysis and Litigation Support for the Environment

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March 8, 2021

Mitchell M. Tsai
155 South El Molino, Suite 104
Pasadena, CA 91101

Subject: Local Hire Requirements and Considerations for Greenhouse Gas Modeling

Dear Mr. Tsai,

Soil Water Air Protection Enterprise ("SWAPE") is pleased to provide the following draft technical report explaining the significance of worker trips required for construction of land use development projects with respect to the estimation of greenhouse gas ("GHG") emissions. The report will also discuss the potential for local hire requirements to reduce the length of worker trips, and consequently, reduced or mitigate the potential GHG impacts.

Worker Trips and Greenhouse Gas Calculations

The California Emissions Estimator Model ("CalEEMod") is a "statewide land use emissions computer model designed to provide a uniform platform for government agencies, land use planners, and environmental professionals to quantify potential criteria pollutant and greenhouse gas (GHG) emissions associated with both construction and operations from a variety of land use projects."[1] CalEEMod quantifies construction-related emissions associated with land use projects resulting from off-road construction equipment; on-road mobile equipment associated with workers, vendors, and hauling; fugitive dust associated with grading, demolition, truck loading, and on-road vehicles traveling along paved and unpaved roads; and architectural coating activities; and paving.[2]

The number, length, and vehicle class of worker trips are utilized by CalEEMod to calculate emissions associated with the on-road vehicle trips required to transport workers to and from the Project site during construction.[3]

[1] "California Emissions Estimator Model." CAPCOA, 2017, *available at:* http://www.aqmd.gov/caleemod/home.
[2] "California Emissions Estimator Model." CAPCOA, 2017, *available at:* http://www.aqmd.gov/caleemod/home.
[3] "CalEEMod User's Guide." CAPCOA, November 2017, *available at:* http://www.aqmd.gov/docs/default-source/caleemod/01_user-39-s-guide2016-3-2_15november2017.pdf?sfvrsn=4, p. 34.

Specifically, the number and length of vehicle trips is utilized to estimate the vehicle miles travelled ("VMT") associated with construction. Then, utilizing vehicle-class specific EMFAC 2014 emission factors, CalEEMod calculates the vehicle exhaust, evaporative, and dust emissions resulting from construction-related VMT, including personal vehicles for worker commuting.[4]

Specifically, in order to calculate VMT, CalEEMod multiplies the average daily trip rate by the average overall trip length (see excerpt below):

> "$VMT_d = \Sigma(\text{Average Daily Trip Rate}_i * \text{Average Overall Trip Length}_i)_n$
>
> Where:
>
> n = Number of land uses being modeled."[5]

Furthermore, to calculate the on-road emissions associated with worker trips, CalEEMod utilizes the following equation (see excerpt below):

> "$\text{Emissions}_{pollutant} = VMT * EF_{running,pollutant}$
>
> Where:
>
> $\text{Emissions}_{pollutant}$ = emissions from vehicle running for each pollutant
>
> VMT = vehicle miles traveled
>
> $EF_{running,pollutant}$ = emission factor for running emissions."[6]

Thus, there is a direct relationship between trip length and VMT, as well as a direct relationship between VMT and vehicle running emissions. In other words, when the trip length is increased, the VMT and vehicle running emissions increase as a result. Thus, vehicle running emissions can be reduced by decreasing the average overall trip length, by way of a local hire requirement or otherwise.

Default Worker Trip Parameters and Potential Local Hire Requirements

As previously discussed, the number, length, and vehicle class of worker trips are utilized by CalEEMod to calculate emissions associated with the on-road vehicle trips required to transport workers to and from the Project site during construction.[7] In order to understand how local hire requirements and associated worker trip length reductions impact GHG emissions calculations, it is important to consider the CalEEMod default worker trip parameters. CalEEMod provides recommended default values based on site-specific information, such as land use type, meteorological data, total lot acreage, project type and typical equipment associated with project type. If more specific project information is known, the user can change the default values and input project-specific values, but the California Environmental Quality Act ("CEQA") requires that such changes be justified by substantial evidence.[8] The default number of construction-related worker trips is calculated by multiplying the

[4] "Appendix A Calculation Details for CalEEMod." CAPCOA, October 2017, *available at:* http://www.aqmd.gov/docs/default-source/caleemod/02_appendix-a2016-3-2.pdf?sfvrsn=6, p. 14-15.
[5] "Appendix A Calculation Details for CalEEMod." CAPCOA, October 2017, *available at:* http://www.aqmd.gov/docs/default-source/caleemod/02_appendix-a2016-3-2.pdf?sfvrsn=6, p. 23.
[6] "Appendix A Calculation Details for CalEEMod." CAPCOA, October 2017, *available at:* http://www.aqmd.gov/docs/default-source/caleemod/02_appendix-a2016-3-2.pdf?sfvrsn=6, p. 15.
[7] "CalEEMod User's Guide." CAPCOA, November 2017, *available at:* http://www.aqmd.gov/docs/default-source/caleemod/01_user-39-s-guide2016-3-2_15november2017.pdf?sfvrsn=4, p. 34.
[8] CalEEMod User Guide, *available at:* http://www.caleemod.com/, p. 1, 9.

number of pieces of equipment for all phases by 1.25, with the exception of worker trips required for the building construction and architectural coating phases.[9] Furthermore, the worker trip vehicle class is a 50/25/25 percent mix of light duty autos, light duty truck class 1 and light duty truck class 2, respectively."[10] Finally, the default worker trip length is consistent with the length of the operational home-to-work vehicle trips.[11] The operational home-to-work vehicle trip lengths are:

> "[B]ased on the *location* and *urbanization* selected on the project characteristic screen. These values were *supplied by the air districts or use a default average for the state*. Each district (or county) also assigns trip lengths for urban and rural settings" (emphasis added). [12]

Thus, the default worker trip length is based on the location and urbanization level selected by the User when modeling emissions. The below table shows the CalEEMod default rural and urban worker trip lengths by air basin (see excerpt below and Attachment A).[13]

Worker Trip Length by Air Basin		
Air Basin	**Rural (miles)**	**Urban (miles)**
Great Basin Valleys	16.8	10.8
Lake County	16.8	10.8
Lake Tahoe	16.8	10.8
Mojave Desert	16.8	10.8
Mountain Counties	16.8	10.8
North Central Coast	17.1	12.3
North Coast	16.8	10.8
Northeast Plateau	16.8	10.8
Sacramento Valley	16.8	10.8
Salton Sea	14.6	11
San Diego	16.8	10.8
San Francisco Bay Area	10.8	10.8
San Joaquin Valley	16.8	10.8
South Central Coast	16.8	10.8
South Coast	19.8	14.7
Average	**16.47**	**11.17**
Minimum	**10.80**	**10.80**
Maximum	**19.80**	**14.70**
Range	**9.00**	**3.90**

[9] "CalEEMod User's Guide." CAPCOA, November 2017, *available at:* http://www.aqmd.gov/docs/default-source/caleemod/01_user-39-s-guide2016-3-2_15november2017.pdf?sfvrsn=4, p. 34.
[10] "Appendix A Calculation Details for CalEEMod." CAPCOA, October 2017, *available at:* http://www.aqmd.gov/docs/default-source/caleemod/02_appendix-a2016-3-2.pdf?sfvrsn=6, p. 15.
[11] "Appendix A Calculation Details for CalEEMod." CAPCOA, October 2017, *available at:* http://www.aqmd.gov/docs/default-source/caleemod/02_appendix-a2016-3-2.pdf?sfvrsn=6, p. 14.
[12] "Appendix A Calculation Details for CalEEMod." CAPCOA, October 2017, *available at:* http://www.aqmd.gov/docs/default-source/caleemod/02_appendix-a2016-3-2.pdf?sfvrsn=6, p. 21.
[13] "Appendix D Default Data Tables." CAPCOA, October 2017, *available at:* http://www.aqmd.gov/docs/default-source/caleemod/05_appendix-d2016-3-2.pdf?sfvrsn=4, p. D-84 – D-86.

As demonstrated above, default rural worker trip lengths for air basins in California vary from 10.8- to 19.8-miles, with an average of 16.47 miles. Furthermore, default urban worker trip lengths vary from 10.8- to 14.7-miles, with an average of 11.17 miles. Thus, while default worker trip lengths vary by location, default urban worker trip lengths tend to be shorter in length. Based on these trends evident in the CalEEMod default worker trip lengths, we can reasonably assume that the efficacy of a local hire requirement is especially dependent upon the urbanization of the project site, as well as the project location.

Practical Application of a Local Hire Requirement and Associated Impact

To provide an example of the potential impact of a local hire provision on construction-related GHG emissions, we estimated the significance of a local hire provision for the Village South Specific Plan ("Project") located in the City of Claremont ("City"). The Project proposed to construct 1,000 residential units, 100,000-SF of retail space, 45,000-SF of office space, as well as a 50-room hotel, on the 24-acre site. The Project location is classified as Urban and lies within the Los Angeles-South Coast County. As a result, the Project has a default worker trip length of 14.7 miles.[14] In an effort to evaluate the potential for a local hire provision to reduce the Project's construction-related GHG emissions, we prepared an updated model, reducing all worker trip lengths to 10 miles (see Attachment B). Our analysis estimates that if a local hire provision with a 10-mile radius were to be implemented, the GHG emissions associated with Project construction would decrease by approximately 17% (see table below and Attachment C).

Local Hire Provision Net Change	
Without Local Hire Provision	
Total Construction GHG Emissions (MT CO_2e)	3,623
Amortized Construction GHG Emissions (MT CO_2e/year)	120.77
With Local Hire Provision	
Total Construction GHG Emissions (MT CO2e)	3,024
Amortized Construction GHG Emissions (MT CO_2e/year)	100.80
% Decrease in Construction-related GHG Emissions	***17%***

As demonstrated above, by implementing a local hire provision requiring 10 mile worker trip lengths, the Project could reduce potential GHG emissions associated with construction worker trips. More broadly, any local hire requirement that results in a decreased worker trip length from the default value has the potential to result in a reduction of construction-related GHG emissions, though the significance of the reduction would vary based on the location and urbanization level of the project site.

This serves as an example of the potential impacts of local hire requirements on estimated project-level GHG emissions, though it does not indicate that local hire requirements would result in reduced construction-related GHG emission for all projects. As previously described, the significance of a local hire requirement depends on the worker trip length enforced and the default worker trip length for the project's urbanization level and location.

[14] "Appendix D Default Data Tables." CAPCOA, October 2017, *available at:* http://www.aqmd.gov/docs/default-source/caleemod/05_appendix-d2016-3-2.pdf?sfvrsn=4, p. D-85.

Disclaimer

SWAPE has received limited discovery. Additional information may become available in the future; thus, we retain the right to revise or amend this report when additional information becomes available. Our professional services have been performed using that degree of care and skill ordinarily exercised, under similar circumstances, by reputable environmental consultants practicing in this or similar localities at the time of service. No other warranty, expressed or implied, is made as to the scope of work, work methodologies and protocols, site conditions, analytical testing results, and findings presented. This report reflects efforts which were limited to information that was reasonably accessible at the time of the work, and may contain informational gaps, inconsistencies, or otherwise be incomplete due to the unavailability or uncertainty of information obtained or provided by third parties.

Sincerely,



Matt Hagemann, P.G., C.Hg.



Paul E. Rosenfeld, Ph.D.

Location Type	Location Name	Rural H-W (miles)	Urban H-W (miles)
Air Basin	Great Basin	16.8	10.8
Air Basin	Lake County	16.8	10.8
Air Basin	Lake Tahoe	16.8	10.8
Air Basin	Mojave Desert	16.8	10.8
Air Basin	Mountain	16.8	10.8
Air Basin	North Central	17.1	12.3
Air Basin	North Coast	16.8	10.8
Air Basin	Northeast	16.8	10.8
Air Basin	Sacramento	16.8	10.8
Air Basin	Salton Sea	14.6	11
Air Basin	San Diego	16.8	10.8
Air Basin	San Francisco	10.8	10.8
Air Basin	San Joaquin	16.8	10.8
Air Basin	South Central	16.8	10.8
Air Basin	South Coast	19.8	14.7
Air District	Amador County	16.8	10.8
Air District	Antelope Valley	16.8	10.8
Air District	Bay Area AQMD	10.8	10.8
Air District	Butte County	12.54	12.54
Air District	Calaveras	16.8	10.8
Air District	Colusa County	16.8	10.8
Air District	El Dorado	16.8	10.8
Air District	Feather River	16.8	10.8
Air District	Glenn County	16.8	10.8
Air District	Great Basin	16.8	10.8
Air District	Imperial County	10.2	7.3
Air District	Kern County	16.8	10.8
Air District	Lake County	16.8	10.8
Air District	Lassen County	16.8	10.8
Air District	Mariposa	16.8	10.8
Air District	Mendocino	16.8	10.8
Air District	Modoc County	16.8	10.8
Air District	Mojave Desert	16.8	10.8
Air District	Monterey Bay	16.8	10.8
Air District	North Coast	16.8	10.8
Air District	Northern Sierra	16.8	10.8
Air District	Northern	16.8	10.8
Air District	Placer County	16.8	10.8
Air District	Sacramento	15	10

Air District	San Diego	16.8	10.8
Air District	San Joaquin	16.8	10.8
Air District	San Luis Obispo	13	13
Air District	Santa Barbara	8.3	8.3
Air District	Shasta County	16.8	10.8
Air District	Siskiyou County	16.8	10.8
Air District	South Coast	19.8	14.7
Air District	Tehama County	16.8	10.8
Air District	Tuolumne	16.8	10.8
Air District	Ventura County	16.8	10.8
Air District	Yolo/Solano	15	10
County	Alameda	10.8	10.8
County	Alpine	16.8	10.8
County	Amador	16.8	10.8
County	Butte	12.54	12.54
County	Calaveras	16.8	10.8
County	Colusa	16.8	10.8
County	Contra Costa	10.8	10.8
County	Del Norte	16.8	10.8
County	El Dorado-Lake	16.8	10.8
County	El Dorado-	16.8	10.8
County	Fresno	16.8	10.8
County	Glenn	16.8	10.8
County	Humboldt	16.8	10.8
County	Imperial	10.2	7.3
County	Inyo	16.8	10.8
County	Kern-Mojave	16.8	10.8
County	Kern-San	16.8	10.8
County	Kings	16.8	10.8
County	Lake	16.8	10.8
County	Lassen	16.8	10.8
County	Los Angeles-	16.8	10.8
County	Los Angeles-	19.8	14.7
County	Madera	16.8	10.8
County	Marin	10.8	10.8
County	Mariposa	16.8	10.8
County	Mendocino-	16.8	10.8
County	Mendocino-	16.8	10.8
County	Mendocino-	16.8	10.8
County	Mendocino-	16.8	10.8
County	Merced	16.8	10.8
County	Modoc	16.8	10.8
County	Mono	16.8	10.8
County	Monterey	16.8	10.8
County	Napa	10.8	10.8

County	Nevada	16.8	10.8
County	Orange	19.8	14.7
County	Placer-Lake	16.8	10.8
County	Placer-Mountain	16.8	10.8
County	Placer-	16.8	10.8
County	Plumas	16.8	10.8
County	Riverside-	16.8	10.8
County	Riverside-	19.8	14.7
County	Riverside-Salton	14.6	11
County	Riverside-South	19.8	14.7
County	Sacramento	15	10
County	San Benito	16.8	10.8
County	San Bernardino-	16.8	10.8
County	San Bernardino-	19.8	14.7
County	San Diego	16.8	10.8
County	San Francisco	10.8	10.8
County	San Joaquin	16.8	10.8
County	San Luis Obispo	13	13
County	San Mateo	10.8	10.8
County	Santa Barbara-	8.3	8.3
County	Santa Barbara-	8.3	8.3
County	Santa Clara	10.8	10.8
County	Santa Cruz	16.8	10.8
County	Shasta	16.8	10.8
County	Sierra	16.8	10.8
County	Siskiyou	16.8	10.8
County	Solano-	15	10
County	Solano-San	16.8	10.8
County	Sonoma-North	16.8	10.8
County	Sonoma-San	10.8	10.8
County	Stanislaus	16.8	10.8
County	Sutter	16.8	10.8
County	Tehama	16.8	10.8
County	Trinity	16.8	10.8
County	Tulare	16.8	10.8
County	Tuolumne	16.8	10.8
County	Ventura	16.8	10.8
County	Yolo	15	10
County	Yuba	16.8	10.8
Statewide	Statewide	16.8	10.8

Worker Trip Length by Air Basin		
Air Basin	**Rural (miles)**	**Urban (miles)**
Great Basin Valleys	16.8	10.8
Lake County	16.8	10.8
Lake Tahoe	16.8	10.8
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Sacramento Valley	16.8	10.8
Salton Sea	14.6	11
San Diego	16.8	10.8
San Francisco Bay Area	10.8	10.8
San Joaquin Valley	16.8	10.8
South Central Coast	16.8	10.8
South Coast	19.8	14.7
Average	**16.47**	**11.17**
Mininum	**10.80**	**10.80**
Maximum	**19.80**	**14.70**
Range	**9.00**	**3.90**

Village South Specific Plan (Proposed)

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	45.00	1000sqft	1.03	45,000.00	0
High Turnover (Sit Down Restaurant)	36.00	1000sqft	0.83	36,000.00	0
Hotel	50.00	Room	1.67	72,600.00	0
Quality Restaurant	8.00	1000sqft	0.18	8,000.00	0
Apartments Low Rise	25.00	Dwelling Unit	1.56	25,000.00	72
Apartments Mid Rise	975.00	Dwelling Unit	25.66	975,000.00	2789
Regional Shopping Center	56.00	1000sqft	1.29	56,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2028
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Village South Specific Plan (Proposed) - Los Angeles-South Coast County, Annual

Project Characteristics - Consistent with the DEIR's model.

Land Use - See SWAPE comment regarding residential and retail land uses.

Construction Phase - See SWAPE comment regarding individual construction phase lengths.

Demolition - Consistent with the DEIR's model. See SWAPE comment regarding demolition.

Vehicle Trips - Saturday trips consistent with the DEIR's model. See SWAPE comment regarding weekday and Sunday trips.

Woodstoves - Woodstoves and wood-burning fireplaces consistent with the DEIR's model. See SWAPE comment regarding gas fireplaces.

Energy Use -

Construction Off-road Equipment Mitigation - See SWAPE comment on construction-related mitigation.

Area Mitigation - See SWAPE comment regarding operational mitigation measures.

Water Mitigation - See SWAPE comment regarding operational mitigation measures.

Table Name	Column Name	Default Value	New Value
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberWood	1.25	0.00
tblFireplaces	NumberWood	48.75	0.00
tblVehicleTrips	ST_TR	7.16	6.17
tblVehicleTrips	ST_TR	6.39	3.87
tblVehicleTrips	ST_TR	2.46	1.39
tblVehicleTrips	ST_TR	158.37	79.82
tblVehicleTrips	ST_TR	8.19	3.75
tblVehicleTrips	ST_TR	94.36	63.99
tblVehicleTrips	ST_TR	49.97	10.74
tblVehicleTrips	SU_TR	6.07	6.16
tblVehicleTrips	SU_TR	5.86	4.18
tblVehicleTrips	SU_TR	1.05	0.69
tblVehicleTrips	SU_TR	131.84	78.27

tblVehicleTrips	SU_TR	5.95	3.20
tblVehicleTrips	SU_TR	72.16	57.65
tblVehicleTrips	SU_TR	25.24	6.39
tblVehicleTrips	WD_TR	6.59	5.83
tblVehicleTrips	WD_TR	6.65	4.13
tblVehicleTrips	WD_TR	11.03	6.41
tblVehicleTrips	WD_TR	127.15	65.80
tblVehicleTrips	WD_TR	8.17	3.84
tblVehicleTrips	WD_TR	89.95	62.64
tblVehicleTrips	WD_TR	42.70	9.43
tblWoodstoves	NumberCatalytic	1.25	0.00
tblWoodstoves	NumberCatalytic	48.75	0.00
tblWoodstoves	NumberNoncatalytic	1.25	0.00
tblWoodstoves	NumberNoncatalytic	48.75	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.1713	1.8242	1.1662	2.4000e-003	0.4169	0.0817	0.4986	0.1795	0.0754	0.2549	0.0000	213.1969	213.1969	0.0601	0.0000	214.6993
2022	0.6904	4.1142	6.1625	0.0189	1.3058	0.1201	1.4259	0.3460	0.1128	0.4588	0.0000	1,721.6826	1,721.6826	0.1294	0.0000	1,724.9187
2023	0.6148	3.3649	5.6747	0.0178	1.1963	0.0996	1.2959	0.3203	0.0935	0.4138	0.0000	1,627.5295	1,627.5295	0.1185	0.0000	1,630.4925
2024	4.1619	0.1335	0.2810	5.9000e-004	0.0325	6.4700e-003	0.0390	8.6300e-003	6.0400e-003	0.0147	0.0000	52.9078	52.9078	8.0200e-003	0.0000	53.1082
Maximum	**4.1619**	**4.1142**	**6.1625**	**0.0189**	**1.3058**	**0.1201**	**1.4259**	**0.3460**	**0.1128**	**0.4588**	**0.0000**	**1,721.6826**	**1,721.6826**	**0.1294**	**0.0000**	**1,724.9187**

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.1713	1.8242	1.1662	2.4000e-003	0.4169	0.0817	0.4986	0.1795	0.0754	0.2549	0.0000	213.1967	213.1967	0.0601	0.0000	214.6991
2022	0.6904	4.1142	6.1625	0.0189	1.3058	0.1201	1.4259	0.3460	0.1128	0.4588	0.0000	1,721.6823	1,721.6823	0.1294	0.0000	1,724.9183
2023	0.6148	3.3648	5.6747	0.0178	1.1963	0.0996	1.2959	0.3203	0.0935	0.4138	0.0000	1,627.5291	1,627.5291	0.1185	0.0000	1,630.4921
2024	4.1619	0.1335	0.2810	5.9000e-004	0.0325	6.4700e-003	0.0390	8.6300e-003	6.0400e-003	0.0147	0.0000	52.9077	52.9077	8.0200e-003	0.0000	53.1082
Maximum	**4.1619**	**4.1142**	**6.1625**	**0.0189**	**1.3058**	**0.1201**	**1.4259**	**0.3460**	**0.1128**	**0.4588**	**0.0000**	**1,721.6823**	**1,721.6823**	**0.1294**	**0.0000**	**1,724.9183**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**9-1-2021**	**11-30-2021**	1.4103	1.4103
2	**12-1-2021**	**2-28-2022**	1.3613	1.3613
3	**3-1-2022**	**5-31-2022**	1.1985	1.1985
4	**6-1-2022**	**8-31-2022**	1.1921	1.1921
5	**9-1-2022**	**11-30-2022**	1.1918	1.1918
6	**12-1-2022**	**2-28-2023**	1.0774	1.0774
7	**3-1-2023**	**5-31-2023**	1.0320	1.0320
8	**6-1-2023**	**8-31-2023**	1.0260	1.0260

9	**9-1-2023**	**11-30-2023**	1.0265	1.0265
10	**12-1-2023**	**2-29-2024**	2.8857	2.8857
11	**3-1-2024**	**5-31-2024**	1.6207	1.6207
		Highest	2.8857	2.8857

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	5.1437	0.2950	10.3804	1.6700e-003		0.0714	0.0714		0.0714	0.0714	0.0000	220.9670	220.9670	0.0201	3.7400e-003	222.5835
Energy	0.1398	1.2312	0.7770	7.6200e-003		0.0966	0.0966		0.0966	0.0966	0.0000	3,896.0732	3,896.0732	0.1303	0.0468	3,913.2833
Mobile	1.5857	7.9962	19.1834	0.0821	7.7979	0.0580	7.8559	2.0895	0.0539	2.1434	0.0000	7,620.4986	7,620.4986	0.3407	0.0000	7,629.0162
Waste						0.0000	0.0000		0.0000	0.0000	207.8079	0.0000	207.8079	12.2811	0.0000	514.8354
Water						0.0000	0.0000		0.0000	0.0000	29.1632	556.6420	585.8052	3.0183	0.0755	683.7567
Total	**6.8692**	**9.5223**	**30.3407**	**0.0914**	**7.7979**	**0.2260**	**8.0240**	**2.0895**	**0.2219**	**2.3114**	**236.9712**	**12,294.1807**	**12,531.1519**	**15.7904**	**0.1260**	**12,963.4751**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	5.1437	0.2950	10.3804	1.6700e-003		0.0714	0.0714		0.0714	0.0714	0.0000	220.9670	220.9670	0.0201	3.7400e-003	222.5835
Energy	0.1398	1.2312	0.7770	7.6200e-003		0.0966	0.0966		0.0966	0.0966	0.0000	3,896.0732	3,896.0732	0.1303	0.0468	3,913.2833
Mobile	1.5857	7.9962	19.1834	0.0821	7.7979	0.0580	7.8559	2.0895	0.0539	2.1434	0.0000	7,620.4986	7,620.4986	0.3407	0.0000	7,629.0162
Waste						0.0000	0.0000		0.0000	0.0000	207.8079	0.0000	207.8079	12.2811	0.0000	514.8354
Water						0.0000	0.0000		0.0000	0.0000	29.1632	556.6420	585.8052	3.0183	0.0755	683.7567
Total	**6.8692**	**9.5223**	**30.3407**	**0.0914**	**7.7979**	**0.2260**	**8.0240**	**2.0895**	**0.2219**	**2.3114**	**236.9712**	**12,294.1807**	**12,531.1519**	**15.7904**	**0.1260**	**12,963.4751**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Village South Specific Plan (Proposed) - Los Angeles-South Coast County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	9/1/2021	10/12/2021	5	30	
2	Site Preparation	Site Preparation	10/13/2021	11/9/2021	5	20	
3	Grading	Grading	11/10/2021	1/11/2022	5	45	
4	Building Construction	Building Construction	1/12/2022	12/12/2023	5	500	
5	Paving	Paving	12/13/2023	1/30/2024	5	35	
6	Architectural Coating	Architectural Coating	1/31/2024	3/19/2024	5	35	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 112.5

Acres of Paving: 0

Residential Indoor: 2,025,000; Residential Outdoor: 675,000; Non-Residential Indoor: 326,400; Non-Residential Outdoor: 108,800; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	458.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	801.00	143.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	160.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0496	0.0000	0.0496	7.5100e-003	0.0000	7.5100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0475	0.4716	0.3235	5.8000e-004		0.0233	0.0233		0.0216	0.0216	0.0000	51.0012	51.0012	0.0144	0.0000	51.3601
Total	**0.0475**	**0.4716**	**0.3235**	**5.8000e-004**	**0.0496**	**0.0233**	**0.0729**	**7.5100e-003**	**0.0216**	**0.0291**	**0.0000**	**51.0012**	**51.0012**	**0.0144**	**0.0000**	**51.3601**

3.2 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.9300e-003	0.0634	0.0148	1.8000e-004	3.9400e-003	1.9000e-004	4.1300e-003	1.0800e-003	1.8000e-004	1.2600e-003	0.0000	17.4566	17.4566	1.2100e-003	0.0000	17.4869
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.7000e-004	7.5000e-004	8.5100e-003	2.0000e-005	2.4700e-003	2.0000e-005	2.4900e-003	6.5000e-004	2.0000e-005	6.7000e-004	0.0000	2.2251	2.2251	7.0000e-005	0.0000	2.2267
Total	**2.9000e-003**	**0.0641**	**0.0233**	**2.0000e-004**	**6.4100e-003**	**2.1000e-004**	**6.6200e-003**	**1.7300e-003**	**2.0000e-004**	**1.9300e-003**	**0.0000**	**19.6816**	**19.6816**	**1.2800e-003**	**0.0000**	**19.7136**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0496	0.0000	0.0496	7.5100e-003	0.0000	7.5100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0475	0.4716	0.3235	5.8000e-004		0.0233	0.0233		0.0216	0.0216	0.0000	51.0011	51.0011	0.0144	0.0000	51.3600
Total	**0.0475**	**0.4716**	**0.3235**	**5.8000e-004**	**0.0496**	**0.0233**	**0.0729**	**7.5100e-003**	**0.0216**	**0.0291**	**0.0000**	**51.0011**	**51.0011**	**0.0144**	**0.0000**	**51.3600**

3.2 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.9300e-003	0.0634	0.0148	1.8000e-004	3.9400e-003	1.9000e-004	4.1300e-003	1.0800e-003	1.8000e-004	1.2600e-003	0.0000	17.4566	17.4566	1.2100e-003	0.0000	17.4869
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.7000e-004	7.5000e-004	8.5100e-003	2.0000e-005	2.4700e-003	2.0000e-005	2.4900e-003	6.5000e-004	2.0000e-005	6.7000e-004	0.0000	2.2251	2.2251	7.0000e-005	0.0000	2.2267
Total	**2.9000e-003**	**0.0641**	**0.0233**	**2.0000e-004**	**6.4100e-003**	**2.1000e-004**	**6.6200e-003**	**1.7300e-003**	**2.0000e-004**	**1.9300e-003**	**0.0000**	**19.6816**	**19.6816**	**1.2800e-003**	**0.0000**	**19.7136**

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1807	0.0000	0.1807	0.0993	0.0000	0.0993	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0389	0.4050	0.2115	3.8000e-004		0.0204	0.0204		0.0188	0.0188	0.0000	33.4357	33.4357	0.0108	0.0000	33.7061
Total	**0.0389**	**0.4050**	**0.2115**	**3.8000e-004**	**0.1807**	**0.0204**	**0.2011**	**0.0993**	**0.0188**	**0.1181**	**0.0000**	**33.4357**	**33.4357**	**0.0108**	**0.0000**	**33.7061**

3.3 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.7000e-004	6.0000e-004	6.8100e-003	2.0000e-005	1.9700e-003	2.0000e-005	1.9900e-003	5.2000e-004	1.0000e-005	5.4000e-004	0.0000	1.7801	1.7801	5.0000e-005	0.0000	1.7814
Total	**7.7000e-004**	**6.0000e-004**	**6.8100e-003**	**2.0000e-005**	**1.9700e-003**	**2.0000e-005**	**1.9900e-003**	**5.2000e-004**	**1.0000e-005**	**5.4000e-004**	**0.0000**	**1.7801**	**1.7801**	**5.0000e-005**	**0.0000**	**1.7814**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1807	0.0000	0.1807	0.0993	0.0000	0.0993	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0389	0.4050	0.2115	3.8000e-004		0.0204	0.0204		0.0188	0.0188	0.0000	33.4357	33.4357	0.0108	0.0000	33.7060
Total	**0.0389**	**0.4050**	**0.2115**	**3.8000e-004**	**0.1807**	**0.0204**	**0.2011**	**0.0993**	**0.0188**	**0.1181**	**0.0000**	**33.4357**	**33.4357**	**0.0108**	**0.0000**	**33.7060**

3.3 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.7000e-004	6.0000e-004	6.8100e-003	2.0000e-005	1.9700e-003	2.0000e-005	1.9900e-003	5.2000e-004	1.0000e-005	5.4000e-004	0.0000	1.7801	1.7801	5.0000e-005	0.0000	1.7814
Total	**7.7000e-004**	**6.0000e-004**	**6.8100e-003**	**2.0000e-005**	**1.9700e-003**	**2.0000e-005**	**1.9900e-003**	**5.2000e-004**	**1.0000e-005**	**5.4000e-004**	**0.0000**	**1.7801**	**1.7801**	**5.0000e-005**	**0.0000**	**1.7814**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1741	0.0000	0.1741	0.0693	0.0000	0.0693	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0796	0.8816	0.5867	1.1800e-003		0.0377	0.0377		0.0347	0.0347	0.0000	103.5405	103.5405	0.0335	0.0000	104.3776
Total	**0.0796**	**0.8816**	**0.5867**	**1.1800e-003**	**0.1741**	**0.0377**	**0.2118**	**0.0693**	**0.0347**	**0.1040**	**0.0000**	**103.5405**	**103.5405**	**0.0335**	**0.0000**	**104.3776**

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6400e-003	1.2700e-003	0.0144	4.0000e-005	4.1600e-003	3.0000e-005	4.2000e-003	1.1100e-003	3.0000e-005	1.1400e-003	0.0000	3.7579	3.7579	1.1000e-004	0.0000	3.7607
Total	**1.6400e-003**	**1.2700e-003**	**0.0144**	**4.0000e-005**	**4.1600e-003**	**3.0000e-005**	**4.2000e-003**	**1.1100e-003**	**3.0000e-005**	**1.1400e-003**	**0.0000**	**3.7579**	**3.7579**	**1.1000e-004**	**0.0000**	**3.7607**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1741	0.0000	0.1741	0.0693	0.0000	0.0693	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0796	0.8816	0.5867	1.1800e-003		0.0377	0.0377		0.0347	0.0347	0.0000	103.5403	103.5403	0.0335	0.0000	104.3775
Total	**0.0796**	**0.8816**	**0.5867**	**1.1800e-003**	**0.1741**	**0.0377**	**0.2118**	**0.0693**	**0.0347**	**0.1040**	**0.0000**	**103.5403**	**103.5403**	**0.0335**	**0.0000**	**104.3775**

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6400e-003	1.2700e-003	0.0144	4.0000e-005	4.1600e-003	3.0000e-005	4.2000e-003	1.1100e-003	3.0000e-005	1.1400e-003	0.0000	3.7579	3.7579	1.1000e-004	0.0000	3.7607
Total	**1.6400e-003**	**1.2700e-003**	**0.0144**	**4.0000e-005**	**4.1600e-003**	**3.0000e-005**	**4.2000e-003**	**1.1100e-003**	**3.0000e-005**	**1.1400e-003**	**0.0000**	**3.7579**	**3.7579**	**1.1000e-004**	**0.0000**	**3.7607**

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0807	0.0000	0.0807	0.0180	0.0000	0.0180	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0127	0.1360	0.1017	2.2000e-004		5.7200e-003	5.7200e-003		5.2600e-003	5.2600e-003	0.0000	19.0871	19.0871	6.1700e-003	0.0000	19.2414
Total	**0.0127**	**0.1360**	**0.1017**	**2.2000e-004**	**0.0807**	**5.7200e-003**	**0.0865**	**0.0180**	**5.2600e-003**	**0.0233**	**0.0000**	**19.0871**	**19.0871**	**6.1700e-003**	**0.0000**	**19.2414**

3.4 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-004	2.1000e-004	2.4400e-003	1.0000e-005	7.7000e-004	1.0000e-005	7.7000e-004	2.0000e-004	1.0000e-005	2.1000e-004	0.0000	0.6679	0.6679	2.0000e-005	0.0000	0.6684
Total	**2.8000e-004**	**2.1000e-004**	**2.4400e-003**	**1.0000e-005**	**7.7000e-004**	**1.0000e-005**	**7.7000e-004**	**2.0000e-004**	**1.0000e-005**	**2.1000e-004**	**0.0000**	**0.6679**	**0.6679**	**2.0000e-005**	**0.0000**	**0.6684**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0807	0.0000	0.0807	0.0180	0.0000	0.0180	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0127	0.1360	0.1017	2.2000e-004		5.7200e-003	5.7200e-003		5.2600e-003	5.2600e-003	0.0000	19.0871	19.0871	6.1700e-003	0.0000	19.2414
Total	**0.0127**	**0.1360**	**0.1017**	**2.2000e-004**	**0.0807**	**5.7200e-003**	**0.0865**	**0.0180**	**5.2600e-003**	**0.0233**	**0.0000**	**19.0871**	**19.0871**	**6.1700e-003**	**0.0000**	**19.2414**

3.4 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-004	2.1000e-004	2.4400e-003	1.0000e-005	7.7000e-004	1.0000e-005	7.7000e-004	2.0000e-004	1.0000e-005	2.1000e-004	0.0000	0.6679	0.6679	2.0000e-005	0.0000	0.6684
Total	**2.8000e-004**	**2.1000e-004**	**2.4400e-003**	**1.0000e-005**	**7.7000e-004**	**1.0000e-005**	**7.7000e-004**	**2.0000e-004**	**1.0000e-005**	**2.1000e-004**	**0.0000**	**0.6679**	**0.6679**	**2.0000e-005**	**0.0000**	**0.6684**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2158	1.9754	2.0700	3.4100e-003		0.1023	0.1023		0.0963	0.0963	0.0000	293.1324	293.1324	0.0702	0.0000	294.8881
Total	**0.2158**	**1.9754**	**2.0700**	**3.4100e-003**		**0.1023**	**0.1023**		**0.0963**	**0.0963**	**0.0000**	**293.1324**	**293.1324**	**0.0702**	**0.0000**	**294.8881**

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0527	1.6961	0.4580	4.5500e-003	0.1140	3.1800e-003	0.1171	0.0329	3.0400e-003	0.0359	0.0000	441.9835	441.9835	0.0264	0.0000	442.6435
Worker	0.4088	0.3066	3.5305	0.0107	1.1103	8.8700e-003	1.1192	0.2949	8.1700e-003	0.3031	0.0000	966.8117	966.8117	0.0266	0.0000	967.4773
Total	**0.4616**	**2.0027**	**3.9885**	**0.0152**	**1.2243**	**0.0121**	**1.2363**	**0.3278**	**0.0112**	**0.3390**	**0.0000**	**1,408.7952**	**1,408.7952**	**0.0530**	**0.0000**	**1,410.1208**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2158	1.9754	2.0700	3.4100e-003		0.1023	0.1023		0.0963	0.0963	0.0000	293.1321	293.1321	0.0702	0.0000	294.8877
Total	**0.2158**	**1.9754**	**2.0700**	**3.4100e-003**		**0.1023**	**0.1023**		**0.0963**	**0.0963**	**0.0000**	**293.1321**	**293.1321**	**0.0702**	**0.0000**	**294.8877**

3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0527	1.6961	0.4580	4.5500e-003	0.1140	3.1800e-003	0.1171	0.0329	3.0400e-003	0.0359	0.0000	441.9835	441.9835	0.0264	0.0000	442.6435
Worker	0.4088	0.3066	3.5305	0.0107	1.1103	8.8700e-003	1.1192	0.2949	8.1700e-003	0.3031	0.0000	966.8117	966.8117	0.0266	0.0000	967.4773
Total	**0.4616**	**2.0027**	**3.9885**	**0.0152**	**1.2243**	**0.0121**	**1.2363**	**0.3278**	**0.0112**	**0.3390**	**0.0000**	**1,408.7952**	**1,408.7952**	**0.0530**	**0.0000**	**1,410.1208**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1942	1.7765	2.0061	3.3300e-003		0.0864	0.0864		0.0813	0.0813	0.0000	286.2789	286.2789	0.0681	0.0000	287.9814
Total	**0.1942**	**1.7765**	**2.0061**	**3.3300e-003**		**0.0864**	**0.0864**		**0.0813**	**0.0813**	**0.0000**	**286.2789**	**286.2789**	**0.0681**	**0.0000**	**287.9814**

3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0382	1.2511	0.4011	4.3000e-003	0.1113	1.4600e-003	0.1127	0.0321	1.4000e-003	0.0335	0.0000	417.9930	417.9930	0.0228	0.0000	418.5624
Worker	0.3753	0.2708	3.1696	0.0101	1.0840	8.4100e-003	1.0924	0.2879	7.7400e-003	0.2957	0.0000	909.3439	909.3439	0.0234	0.0000	909.9291
Total	**0.4135**	**1.5218**	**3.5707**	**0.0144**	**1.1953**	**9.8700e-003**	**1.2051**	**0.3200**	**9.1400e-003**	**0.3292**	**0.0000**	**1,327.3369**	**1,327.3369**	**0.0462**	**0.0000**	**1,328.4916**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1942	1.7765	2.0061	3.3300e-003		0.0864	0.0864		0.0813	0.0813	0.0000	286.2785	286.2785	0.0681	0.0000	287.9811
Total	**0.1942**	**1.7765**	**2.0061**	**3.3300e-003**		**0.0864**	**0.0864**		**0.0813**	**0.0813**	**0.0000**	**286.2785**	**286.2785**	**0.0681**	**0.0000**	**287.9811**

3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0382	1.2511	0.4011	4.3000e-003	0.1113	1.4600e-003	0.1127	0.0321	1.4000e-003	0.0335	0.0000	417.9930	417.9930	0.0228	0.0000	418.5624
Worker	0.3753	0.2708	3.1696	0.0101	1.0840	8.4100e-003	1.0924	0.2879	7.7400e-003	0.2957	0.0000	909.3439	909.3439	0.0234	0.0000	909.9291
Total	**0.4135**	**1.5218**	**3.5707**	**0.0144**	**1.1953**	**9.8700e-003**	**1.2051**	**0.3200**	**9.1400e-003**	**0.3292**	**0.0000**	**1,327.3369**	**1,327.3369**	**0.0462**	**0.0000**	**1,328.4916**

3.6 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.7100e-003	0.0663	0.0948	1.5000e-004		3.3200e-003	3.3200e-003		3.0500e-003	3.0500e-003	0.0000	13.0175	13.0175	4.2100e-003	0.0000	13.1227
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.7100e-003**	**0.0663**	**0.0948**	**1.5000e-004**		**3.3200e-003**	**3.3200e-003**		**3.0500e-003**	**3.0500e-003**	**0.0000**	**13.0175**	**13.0175**	**4.2100e-003**	**0.0000**	**13.1227**

3.6 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7000e-004	2.7000e-004	3.1200e-003	1.0000e-005	1.0700e-003	1.0000e-005	1.0800e-003	2.8000e-004	1.0000e-005	2.9000e-004	0.0000	0.8963	0.8963	2.0000e-005	0.0000	0.8968
Total	**3.7000e-004**	**2.7000e-004**	**3.1200e-003**	**1.0000e-005**	**1.0700e-003**	**1.0000e-005**	**1.0800e-003**	**2.8000e-004**	**1.0000e-005**	**2.9000e-004**	**0.0000**	**0.8963**	**0.8963**	**2.0000e-005**	**0.0000**	**0.8968**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.7100e-003	0.0663	0.0948	1.5000e-004		3.3200e-003	3.3200e-003		3.0500e-003	3.0500e-003	0.0000	13.0175	13.0175	4.2100e-003	0.0000	13.1227
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.7100e-003**	**0.0663**	**0.0948**	**1.5000e-004**		**3.3200e-003**	**3.3200e-003**		**3.0500e-003**	**3.0500e-003**	**0.0000**	**13.0175**	**13.0175**	**4.2100e-003**	**0.0000**	**13.1227**

3.6 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7000e-004	2.7000e-004	3.1200e-003	1.0000e-005	1.0700e-003	1.0000e-005	1.0800e-003	2.8000e-004	1.0000e-005	2.9000e-004	0.0000	0.8963	0.8963	2.0000e-005	0.0000	0.8968
Total	**3.7000e-004**	**2.7000e-004**	**3.1200e-003**	**1.0000e-005**	**1.0700e-003**	**1.0000e-005**	**1.0800e-003**	**2.8000e-004**	**1.0000e-005**	**2.9000e-004**	**0.0000**	**0.8963**	**0.8963**	**2.0000e-005**	**0.0000**	**0.8968**

3.6 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0109	0.1048	0.1609	2.5000e-004		5.1500e-003	5.1500e-003		4.7400e-003	4.7400e-003	0.0000	22.0292	22.0292	7.1200e-003	0.0000	22.2073
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0109**	**0.1048**	**0.1609**	**2.5000e-004**		**5.1500e-003**	**5.1500e-003**		**4.7400e-003**	**4.7400e-003**	**0.0000**	**22.0292**	**22.0292**	**7.1200e-003**	**0.0000**	**22.2073**

3.6 Paving - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.9000e-004	4.1000e-004	4.9200e-003	2.0000e-005	1.8100e-003	1.0000e-005	1.8200e-003	4.8000e-004	1.0000e-005	4.9000e-004	0.0000	1.4697	1.4697	4.0000e-005	0.0000	1.4706
Total	**5.9000e-004**	**4.1000e-004**	**4.9200e-003**	**2.0000e-005**	**1.8100e-003**	**1.0000e-005**	**1.8200e-003**	**4.8000e-004**	**1.0000e-005**	**4.9000e-004**	**0.0000**	**1.4697**	**1.4697**	**4.0000e-005**	**0.0000**	**1.4706**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0109	0.1048	0.1609	2.5000e-004		5.1500e-003	5.1500e-003		4.7400e-003	4.7400e-003	0.0000	22.0292	22.0292	7.1200e-003	0.0000	22.2073
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0109**	**0.1048**	**0.1609**	**2.5000e-004**		**5.1500e-003**	**5.1500e-003**		**4.7400e-003**	**4.7400e-003**	**0.0000**	**22.0292**	**22.0292**	**7.1200e-003**	**0.0000**	**22.2073**

3.6 Paving - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.9000e-004	4.1000e-004	4.9200e-003	2.0000e-005	1.8100e-003	1.0000e-005	1.8200e-003	4.8000e-004	1.0000e-005	4.9000e-004	0.0000	1.4697	1.4697	4.0000e-005	0.0000	1.4706
Total	**5.9000e-004**	**4.1000e-004**	**4.9200e-003**	**2.0000e-005**	**1.8100e-003**	**1.0000e-005**	**1.8200e-003**	**4.8000e-004**	**1.0000e-005**	**4.9000e-004**	**0.0000**	**1.4697**	**1.4697**	**4.0000e-005**	**0.0000**	**1.4706**

3.7 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	4.1372					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.1600e-003	0.0213	0.0317	5.0000e-005		1.0700e-003	1.0700e-003		1.0700e-003	1.0700e-003	0.0000	4.4682	4.4682	2.5000e-004	0.0000	4.4745
Total	**4.1404**	**0.0213**	**0.0317**	**5.0000e-005**		**1.0700e-003**	**1.0700e-003**		**1.0700e-003**	**1.0700e-003**	**0.0000**	**4.4682**	**4.4682**	**2.5000e-004**	**0.0000**	**4.4745**

3.7 Architectural Coating - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0101	6.9900e-003	0.0835	2.8000e-004	0.0307	2.3000e-004	0.0309	8.1500e-003	2.2000e-004	8.3700e-003	0.0000	24.9407	24.9407	6.1000e-004	0.0000	24.9558
Total	**0.0101**	**6.9900e-003**	**0.0835**	**2.8000e-004**	**0.0307**	**2.3000e-004**	**0.0309**	**8.1500e-003**	**2.2000e-004**	**8.3700e-003**	**0.0000**	**24.9407**	**24.9407**	**6.1000e-004**	**0.0000**	**24.9558**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	4.1372					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.1600e-003	0.0213	0.0317	5.0000e-005		1.0700e-003	1.0700e-003		1.0700e-003	1.0700e-003	0.0000	4.4682	4.4682	2.5000e-004	0.0000	4.4745
Total	**4.1404**	**0.0213**	**0.0317**	**5.0000e-005**		**1.0700e-003**	**1.0700e-003**		**1.0700e-003**	**1.0700e-003**	**0.0000**	**4.4682**	**4.4682**	**2.5000e-004**	**0.0000**	**4.4745**

3.7 Architectural Coating - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0101	6.9900e-003	0.0835	2.8000e-004	0.0307	2.3000e-004	0.0309	8.1500e-003	2.2000e-004	8.3700e-003	0.0000	24.9407	24.9407	6.1000e-004	0.0000	24.9558
Total	**0.0101**	**6.9900e-003**	**0.0835**	**2.8000e-004**	**0.0307**	**2.3000e-004**	**0.0309**	**8.1500e-003**	**2.2000e-004**	**8.3700e-003**	**0.0000**	**24.9407**	**24.9407**	**6.1000e-004**	**0.0000**	**24.9558**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.5857	7.9962	19.1834	0.0821	7.7979	0.0580	7.8559	2.0895	0.0539	2.1434	0.0000	7,620.4986	7,620.4986	0.3407	0.0000	7,629.0162
Unmitigated	1.5857	7.9962	19.1834	0.0821	7.7979	0.0580	7.8559	2.0895	0.0539	2.1434	0.0000	7,620.4986	7,620.4986	0.3407	0.0000	7,629.0162

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	145.75	154.25	154.00	506,227	506,227
Apartments Mid Rise	4,026.75	3,773.25	4075.50	13,660,065	13,660,065
General Office Building	288.45	62.55	31.05	706,812	706,812
High Turnover (Sit Down Restaurant)	2,368.80	2,873.52	2817.72	3,413,937	3,413,937
Hotel	192.00	187.50	160.00	445,703	445,703
Quality Restaurant	501.12	511.92	461.20	707,488	707,488
Regional Shopping Center	528.08	601.44	357.84	1,112,221	1,112,221
Total	8,050.95	8,164.43	8,057.31	20,552,452	20,552,452

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Quality Restaurant	16.60	8.40	6.90	12.00	69.00	19.00	38	18	44
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Apartments Mid Rise	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
General Office Building	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
High Turnover (Sit Down Restaurant)	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Hotel	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Quality Restaurant	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Regional Shopping Center	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Village South Specific Plan (Proposed) - Los Angeles-South Coast County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	2,512.6465	2,512.6465	0.1037	0.0215	2,521.6356
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	2,512.6465	2,512.6465	0.1037	0.0215	2,521.6356
NaturalGas Mitigated	0.1398	1.2312	0.7770	7.6200e-003		0.0966	0.0966		0.0966	0.0966	0.0000	1,383.4267	1,383.4267	0.0265	0.0254	1,391.6478
NaturalGas Unmitigated	0.1398	1.2312	0.7770	7.6200e-003		0.0966	0.0966		0.0966	0.0966	0.0000	1,383.4267	1,383.4267	0.0265	0.0254	1,391.6478

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	408494	2.2000e-003	0.0188	8.0100e-003	1.2000e-004		1.5200e-003	1.5200e-003		1.5200e-003	1.5200e-003	0.0000	21.7988	21.7988	4.2000e-004	4.0000e-004	21.9284
Apartments Mid Rise	1.30613e+007	0.0704	0.6018	0.2561	3.8400e-003		0.0487	0.0487		0.0487	0.0487	0.0000	696.9989	696.9989	0.0134	0.0128	701.1408
General Office Building	468450	2.5300e-003	0.0230	0.0193	1.4000e-004		1.7500e-003	1.7500e-003		1.7500e-003	1.7500e-003	0.0000	24.9983	24.9983	4.8000e-004	4.6000e-004	25.1468
High Turnover (Sit Down Restaurant)	8.30736e+006	0.0448	0.4072	0.3421	2.4400e-003		0.0310	0.0310		0.0310	0.0310	0.0000	443.3124	443.3124	8.5000e-003	8.1300e-003	445.9468
Hotel	1.74095e+006	9.3900e-003	0.0853	0.0717	5.1000e-004		6.4900e-003	6.4900e-003		6.4900e-003	6.4900e-003	0.0000	92.9036	92.9036	1.7800e-003	1.7000e-003	93.4557
Quality Restaurant	1.84608e+006	9.9500e-003	0.0905	0.0760	5.4000e-004		6.8800e-003	6.8800e-003		6.8800e-003	6.8800e-003	0.0000	98.5139	98.5139	1.8900e-003	1.8100e-003	99.0993
Regional Shopping Center	91840	5.0000e-004	4.5000e-003	3.7800e-003	3.0000e-005		3.4000e-004	3.4000e-004		3.4000e-004	3.4000e-004	0.0000	4.9009	4.9009	9.0000e-005	9.0000e-005	4.9301
Total		**0.1398**	**1.2312**	**0.7770**	**7.6200e-003**		**0.0966**	**0.0966**		**0.0966**	**0.0966**	**0.0000**	**1,383.4268**	**1,383.4268**	**0.0265**	**0.0254**	**1,391.6478**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	408494	2.2000e-003	0.0188	8.0100e-003	1.2000e-004		1.5200e-003	1.5200e-003		1.5200e-003	1.5200e-003	0.0000	21.7988	21.7988	4.2000e-004	4.0000e-004	21.9284
Apartments Mid Rise	1.30613e+007	0.0704	0.6018	0.2561	3.8400e-003		0.0487	0.0487		0.0487	0.0487	0.0000	696.9989	696.9989	0.0134	0.0128	701.1408
General Office Building	468450	2.5300e-003	0.0230	0.0193	1.4000e-004		1.7500e-003	1.7500e-003		1.7500e-003	1.7500e-003	0.0000	24.9983	24.9983	4.8000e-004	4.6000e-004	25.1468
High Turnover (Sit Down Restaurant)	8.30736e+006	0.0448	0.4072	0.3421	2.4400e-003		0.0310	0.0310		0.0310	0.0310	0.0000	443.3124	443.3124	8.5000e-003	8.1300e-003	445.9468
Hotel	1.74095e+006	9.3900e-003	0.0853	0.0717	5.1000e-004		6.4900e-003	6.4900e-003		6.4900e-003	6.4900e-003	0.0000	92.9036	92.9036	1.7800e-003	1.7000e-003	93.4557
Quality Restaurant	1.84608e+006	9.9500e-003	0.0905	0.0760	5.4000e-004		6.8800e-003	6.8800e-003		6.8800e-003	6.8800e-003	0.0000	98.5139	98.5139	1.8900e-003	1.8100e-003	99.0993
Regional Shopping Center	91840	5.0000e-004	4.5000e-003	3.7800e-003	3.0000e-005		3.4000e-004	3.4000e-004		3.4000e-004	3.4000e-004	0.0000	4.9009	4.9009	9.0000e-005	9.0000e-005	4.9301
Total		**0.1398**	**1.2312**	**0.7770**	**7.6200e-003**		**0.0966**	**0.0966**		**0.0966**	**0.0966**	**0.0000**	**1,383.4268**	**1,383.4268**	**0.0265**	**0.0254**	**1,391.6478**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	106010	33.7770	1.3900e-003	2.9000e-004	33.8978
Apartments Mid Rise	3.94697e+006	1,257.5879	0.0519	0.0107	1,262.0869
General Office Building	584550	186.2502	7.6900e-003	1.5900e-003	186.9165
High Turnover (Sit Down Restaurant)	1.58904e+006	506.3022	0.0209	4.3200e-003	508.1135
Hotel	550308	175.3399	7.2400e-003	1.5000e-003	175.9672
Quality Restaurant	353120	112.5116	4.6500e-003	9.6000e-004	112.9141
Regional Shopping Center	756000	240.8778	9.9400e-003	2.0600e-003	241.7395
Total		**2,512.6465**	**0.1037**	**0.0215**	**2,521.6356**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	106010	33.7770	1.3900e-003	2.9000e-004	33.8978
Apartments Mid Rise	3.94697e+006	1,257.5879	0.0519	0.0107	1,262.0869
General Office Building	584550	186.2502	7.6900e-003	1.5900e-003	186.9165
High Turnover (Sit Down Restaurant)	1.58904e+006	506.3022	0.0209	4.3200e-003	508.1135
Hotel	550308	175.3399	7.2400e-003	1.5000e-003	175.9672
Quality Restaurant	353120	112.5116	4.6500e-003	9.6000e-004	112.9141
Regional Shopping Center	756000	240.8778	9.9400e-003	2.0600e-003	241.7395
Total		**2,512.6465**	**0.1037**	**0.0215**	**2,521.6356**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	5.1437	0.2950	10.3804	1.6700e-003		0.0714	0.0714		0.0714	0.0714	0.0000	220.9670	220.9670	0.0201	3.7400e-003	222.5835
Unmitigated	5.1437	0.2950	10.3804	1.6700e-003		0.0714	0.0714		0.0714	0.0714	0.0000	220.9670	220.9670	0.0201	3.7400e-003	222.5835

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.4137					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.3998					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0206	0.1763	0.0750	1.1200e-003		0.0143	0.0143		0.0143	0.0143	0.0000	204.1166	204.1166	3.9100e-003	3.7400e-003	205.3295
Landscaping	0.3096	0.1187	10.3054	5.4000e-004		0.0572	0.0572		0.0572	0.0572	0.0000	16.8504	16.8504	0.0161	0.0000	17.2540
Total	**5.1437**	**0.2950**	**10.3804**	**1.6600e-003**		**0.0714**	**0.0714**		**0.0714**	**0.0714**	**0.0000**	**220.9670**	**220.9670**	**0.0201**	**3.7400e-003**	**222.5835**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.4137					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.3998					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0206	0.1763	0.0750	1.1200e-003		0.0143	0.0143		0.0143	0.0143	0.0000	204.1166	204.1166	3.9100e-003	3.7400e-003	205.3295
Landscaping	0.3096	0.1187	10.3054	5.4000e-004		0.0572	0.0572		0.0572	0.0572	0.0000	16.8504	16.8504	0.0161	0.0000	17.2540
Total	**5.1437**	**0.2950**	**10.3804**	**1.6600e-003**		**0.0714**	**0.0714**		**0.0714**	**0.0714**	**0.0000**	**220.9670**	**220.9670**	**0.0201**	**3.7400e-003**	**222.5835**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	585.8052	3.0183	0.0755	683.7567
Unmitigated	585.8052	3.0183	0.0755	683.7567

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	1.62885 / 1.02688	10.9095	0.0535	1.3400e-003	12.6471
Apartments Mid Rise	63.5252 / 40.0485	425.4719	2.0867	0.0523	493.2363
General Office Building	7.99802 / 4.90201	53.0719	0.2627	6.5900e-003	61.6019
High Turnover (Sit Down Restaurant)	10.9272 / 0.697482	51.2702	0.3580	8.8200e-003	62.8482
Hotel	1.26834 / 0.140927	6.1633	0.0416	1.0300e-003	7.5079
Quality Restaurant	2.42827 / 0.154996	11.3934	0.0796	1.9600e-003	13.9663
Regional Shopping Center	4.14806 / 2.54236	27.5250	0.1363	3.4200e-003	31.9490
Total		**585.8052**	**3.0183**	**0.0755**	**683.7567**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	1.62885 / 1.02688	10.9095	0.0535	1.3400e-003	12.6471
Apartments Mid Rise	63.5252 / 40.0485	425.4719	2.0867	0.0523	493.2363
General Office Building	7.99802 / 4.90201	53.0719	0.2627	6.5900e-003	61.6019
High Turnover (Sit Down Restaurant)	10.9272 / 0.697482	51.2702	0.3580	8.8200e-003	62.8482
Hotel	1.26834 / 0.140927	6.1633	0.0416	1.0300e-003	7.5079
Quality Restaurant	2.42827 / 0.154996	11.3934	0.0796	1.9600e-003	13.9663
Regional Shopping Center	4.14806 / 2.54236	27.5250	0.1363	3.4200e-003	31.9490
Total		**585.8052**	**3.0183**	**0.0755**	**683.7567**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	207.8079	12.2811	0.0000	514.8354
Unmitigated	207.8079	12.2811	0.0000	514.8354

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	11.5	2.3344	0.1380	0.0000	5.7834
Apartments Mid Rise	448.5	91.0415	5.3804	0.0000	225.5513
General Office Building	41.85	8.4952	0.5021	0.0000	21.0464
High Turnover (Sit Down Restaurant)	428.4	86.9613	5.1393	0.0000	215.4430
Hotel	27.38	5.5579	0.3285	0.0000	13.7694
Quality Restaurant	7.3	1.4818	0.0876	0.0000	3.6712
Regional Shopping Center	58.8	11.9359	0.7054	0.0000	29.5706
Total		**207.8079**	**12.2811**	**0.0000**	**514.8354**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	11.5	2.3344	0.1380	0.0000	5.7834
Apartments Mid Rise	448.5	91.0415	5.3804	0.0000	225.5513
General Office Building	41.85	8.4952	0.5021	0.0000	21.0464
High Turnover (Sit Down Restaurant)	428.4	86.9613	5.1393	0.0000	215.4430
Hotel	27.38	5.5579	0.3285	0.0000	13.7694
Quality Restaurant	7.3	1.4818	0.0876	0.0000	3.6712
Regional Shopping Center	58.8	11.9359	0.7054	0.0000	29.5706
Total		**207.8079**	**12.2811**	**0.0000**	**514.8354**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Village South Specific Plan (Proposed)

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	45.00	1000sqft	1.03	45,000.00	0
High Turnover (Sit Down Restaurant)	36.00	1000sqft	0.83	36,000.00	0
Hotel	50.00	Room	1.67	72,600.00	0
Quality Restaurant	8.00	1000sqft	0.18	8,000.00	0
Apartments Low Rise	25.00	Dwelling Unit	1.56	25,000.00	72
Apartments Mid Rise	975.00	Dwelling Unit	25.66	975,000.00	2789
Regional Shopping Center	56.00	1000sqft	1.29	56,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2028
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Village South Specific Plan (Proposed) - Los Angeles-South Coast County, Summer

Project Characteristics - Consistent with the DEIR's model.

Land Use - See SWAPE comment regarding residential and retail land uses.

Construction Phase - See SWAPE comment regarding individual construction phase lengths.

Demolition - Consistent with the DEIR's model. See SWAPE comment regarding demolition.

Vehicle Trips - Saturday trips consistent with the DEIR's model. See SWAPE comment regarding weekday and Sunday trips.

Woodstoves - Woodstoves and wood-burning fireplaces consistent with the DEIR's model. See SWAPE comment regarding gas fireplaces.

Energy Use -

Construction Off-road Equipment Mitigation - See SWAPE comment on construction-related mitigation.

Area Mitigation - See SWAPE comment regarding operational mitigation measures.

Water Mitigation - See SWAPE comment regarding operational mitigation measures.

Table Name	Column Name	Default Value	New Value
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberWood	1.25	0.00
tblFireplaces	NumberWood	48.75	0.00
tblVehicleTrips	ST_TR	7.16	6.17
tblVehicleTrips	ST_TR	6.39	3.87
tblVehicleTrips	ST_TR	2.46	1.39
tblVehicleTrips	ST_TR	158.37	79.82
tblVehicleTrips	ST_TR	8.19	3.75
tblVehicleTrips	ST_TR	94.36	63.99
tblVehicleTrips	ST_TR	49.97	10.74
tblVehicleTrips	SU_TR	6.07	6.16
tblVehicleTrips	SU_TR	5.86	4.18
tblVehicleTrips	SU_TR	1.05	0.69
tblVehicleTrips	SU_TR	131.84	78.27

tblVehicleTrips	SU_TR	5.95	3.20
tblVehicleTrips	SU_TR	72.16	57.65
tblVehicleTrips	SU_TR	25.24	6.39
tblVehicleTrips	WD_TR	6.59	5.83
tblVehicleTrips	WD_TR	6.65	4.13
tblVehicleTrips	WD_TR	11.03	6.41
tblVehicleTrips	WD_TR	127.15	65.80
tblVehicleTrips	WD_TR	8.17	3.84
tblVehicleTrips	WD_TR	89.95	62.64
tblVehicleTrips	WD_TR	42.70	9.43
tblWoodstoves	NumberCatalytic	1.25	0.00
tblWoodstoves	NumberCatalytic	48.75	0.00
tblWoodstoves	NumberNoncatalytic	1.25	0.00
tblWoodstoves	NumberNoncatalytic	48.75	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	4.2769	46.4588	31.6840	0.0643	18.2675	2.0461	20.3135	9.9840	1.8824	11.8664	0.0000	6,234.7974	6,234.7974	1.9495	0.0000	6,283.5352
2022	5.3304	38.8967	49.5629	0.1517	9.8688	1.6366	10.7727	3.6558	1.5057	5.1615	0.0000	15,251.5674	15,251.5674	1.9503	0.0000	15,278.5288
2023	4.8957	26.3317	46.7567	0.1472	9.8688	0.7794	10.6482	2.6381	0.7322	3.3702	0.0000	14,807.5269	14,807.5269	1.0250	0.0000	14,833.1521
2024	237.1630	9.5575	15.1043	0.0244	1.7884	0.4698	1.8628	0.4743	0.4322	0.5476	0.0000	2,361.3989	2,361.3989	0.7177	0.0000	2,379.3421
Maximum	**237.1630**	**46.4588**	**49.5629**	**0.1517**	**18.2675**	**2.0461**	**20.3135**	**9.9840**	**1.8824**	**11.8664**	**0.0000**	**15,251.5674**	**15,251.5674**	**1.9503**	**0.0000**	**15,278.5288**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	4.2769	46.4588	31.6840	0.0643	18.2675	2.0461	20.3135	9.9840	1.8824	11.8664	0.0000	6,234.7974	6,234.7974	1.9495	0.0000	6,283.5352
2022	5.3304	38.8967	49.5629	0.1517	9.8688	1.6366	10.7727	3.6558	1.5057	5.1615	0.0000	15,251.5674	15,251.5674	1.9503	0.0000	15,278.5288
2023	4.8957	26.3317	46.7567	0.1472	9.8688	0.7794	10.6482	2.6381	0.7322	3.3702	0.0000	14,807.5269	14,807.5269	1.0250	0.0000	14,833.1520
2024	237.1630	9.5575	15.1043	0.0244	1.7884	0.4698	1.8628	0.4743	0.4322	0.5476	0.0000	2,361.3989	2,361.3989	0.7177	0.0000	2,379.3421
Maximum	**237.1630**	**46.4588**	**49.5629**	**0.1517**	**18.2675**	**2.0461**	**20.3135**	**9.9840**	**1.8824**	**11.8664**	**0.0000**	**15,251.5674**	**15,251.5674**	**1.9503**	**0.0000**	**15,278.5288**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	30.5020	15.0496	88.4430	0.0944		1.5974	1.5974		1.5974	1.5974	0.0000	18,148.5950	18,148.5950	0.4874	0.3300	18,259.1192
Energy	0.7660	6.7462	4.2573	0.0418		0.5292	0.5292		0.5292	0.5292		8,355.9832	8,355.9832	0.1602	0.1532	8,405.6387
Mobile	9.8489	45.4304	114.8495	0.4917	45.9592	0.3360	46.2951	12.2950	0.3119	12.6070		50,306.6034	50,306.6034	2.1807		50,361.1208
Total	**41.1168**	**67.2262**	**207.5497**	**0.6278**	**45.9592**	**2.4626**	**48.4217**	**12.2950**	**2.4385**	**14.7336**	**0.0000**	**76,811.1816**	**76,811.1816**	**2.8282**	**0.4832**	**77,025.8786**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	30.5020	15.0496	88.4430	0.0944		1.5974	1.5974		1.5974	1.5974	0.0000	18,148.5950	18,148.5950	0.4874	0.3300	18,259.1192
Energy	0.7660	6.7462	4.2573	0.0418		0.5292	0.5292		0.5292	0.5292		8,355.9832	8,355.9832	0.1602	0.1532	8,405.6387
Mobile	9.8489	45.4304	114.8495	0.4917	45.9592	0.3360	46.2951	12.2950	0.3119	12.6070		50,306.6034	50,306.6034	2.1807		50,361.1208
Total	**41.1168**	**67.2262**	**207.5497**	**0.6278**	**45.9592**	**2.4626**	**48.4217**	**12.2950**	**2.4385**	**14.7336**	**0.0000**	**76,811.1816**	**76,811.1816**	**2.8282**	**0.4832**	**77,025.8786**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	9/1/2021	10/12/2021	5	30	
2	Site Preparation	Site Preparation	10/13/2021	11/9/2021	5	20	
3	Grading	Grading	11/10/2021	1/11/2022	5	45	
4	Building Construction	Building Construction	1/12/2022	12/12/2023	5	500	
5	Paving	Paving	12/13/2023	1/30/2024	5	35	
6	Architectural Coating	Architectural Coating	1/31/2024	3/19/2024	5	35	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 112.5

Acres of Paving: 0

Residential Indoor: 2,025,000; Residential Outdoor: 675,000; Non-Residential Indoor: 326,400; Non-Residential Outdoor: 108,800; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Village South Specific Plan (Proposed) - Los Angeles-South Coast County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	458.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	801.00	143.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	160.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.3074	0.0000	3.3074	0.5008	0.0000	0.5008			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**	**3.3074**	**1.5513**	**4.8588**	**0.5008**	**1.4411**	**1.9419**		**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.2 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1273	4.0952	0.9602	0.0119	0.2669	0.0126	0.2795	0.0732	0.0120	0.0852		1,292.2413	1,292.2413	0.0877		1,294.4337
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0643	0.0442	0.6042	1.7100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		170.8155	170.8155	5.0300e-003		170.9413
Total	**0.1916**	**4.1394**	**1.5644**	**0.0136**	**0.4346**	**0.0139**	**0.4485**	**0.1176**	**0.0133**	**0.1309**		**1,463.0568**	**1,463.0568**	**0.0927**		**1,465.3750**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.3074	0.0000	3.3074	0.5008	0.0000	0.5008			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**	**3.3074**	**1.5513**	**4.8588**	**0.5008**	**1.4411**	**1.9419**	**0.0000**	**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.2 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1273	4.0952	0.9602	0.0119	0.2669	0.0126	0.2795	0.0732	0.0120	0.0852		1,292.2413	1,292.2413	0.0877		1,294.4337
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0643	0.0442	0.6042	1.7100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		170.8155	170.8155	5.0300e-003		170.9413
Total	**0.1916**	**4.1394**	**1.5644**	**0.0136**	**0.4346**	**0.0139**	**0.4485**	**0.1176**	**0.0133**	**0.1309**		**1,463.0568**	**1,463.0568**	**0.0927**		**1,465.3750**

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**		**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.3 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0772	0.0530	0.7250	2.0600e-003	0.2012	1.6300e-003	0.2028	0.0534	1.5000e-003	0.0549		204.9786	204.9786	6.0400e-003		205.1296
Total	**0.0772**	**0.0530**	**0.7250**	**2.0600e-003**	**0.2012**	**1.6300e-003**	**0.2028**	**0.0534**	**1.5000e-003**	**0.0549**		**204.9786**	**204.9786**	**6.0400e-003**		**205.1296**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.3 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0772	0.0530	0.7250	2.0600e-003	0.2012	1.6300e-003	0.2028	0.0534	1.5000e-003	0.0549		204.9786	204.9786	6.0400e-003		205.1296
Total	**0.0772**	**0.0530**	**0.7250**	**2.0600e-003**	**0.2012**	**1.6300e-003**	**0.2028**	**0.0534**	**1.5000e-003**	**0.0549**		**204.9786**	**204.9786**	**6.0400e-003**		**205.1296**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**8.6733**	**1.9853**	**10.6587**	**3.5965**	**1.8265**	**5.4230**		**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0857	0.0589	0.8056	2.2900e-003	0.2236	1.8100e-003	0.2254	0.0593	1.6600e-003	0.0610		227.7540	227.7540	6.7100e-003		227.9217
Total	**0.0857**	**0.0589**	**0.8056**	**2.2900e-003**	**0.2236**	**1.8100e-003**	**0.2254**	**0.0593**	**1.6600e-003**	**0.0610**		**227.7540**	**227.7540**	**6.7100e-003**		**227.9217**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**8.6733**	**1.9853**	**10.6587**	**3.5965**	**1.8265**	**5.4230**	**0.0000**	**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0857	0.0589	0.8056	2.2900e-003	0.2236	1.8100e-003	0.2254	0.0593	1.6600e-003	0.0610		227.7540	227.7540	6.7100e-003		227.9217
Total	**0.0857**	**0.0589**	**0.8056**	**2.2900e-003**	**0.2236**	**1.8100e-003**	**0.2254**	**0.0593**	**1.6600e-003**	**0.0610**		**227.7540**	**227.7540**	**6.7100e-003**		**227.9217**

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
Total	**3.6248**	**38.8435**	**29.0415**	**0.0621**	**8.6733**	**1.6349**	**10.3082**	**3.5965**	**1.5041**	**5.1006**		**6,011.4105**	**6,011.4105**	**1.9442**		**6,060.0158**

3.4 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0803	0.0532	0.7432	2.2100e-003	0.2236	1.7500e-003	0.2253	0.0593	1.6100e-003	0.0609		219.7425	219.7425	6.0600e-003		219.8941
Total	**0.0803**	**0.0532**	**0.7432**	**2.2100e-003**	**0.2236**	**1.7500e-003**	**0.2253**	**0.0593**	**1.6100e-003**	**0.0609**		**219.7425**	**219.7425**	**6.0600e-003**		**219.8941**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
Total	**3.6248**	**38.8435**	**29.0415**	**0.0621**	**8.6733**	**1.6349**	**10.3082**	**3.5965**	**1.5041**	**5.1006**	**0.0000**	**6,011.4105**	**6,011.4105**	**1.9442**		**6,060.0158**

3.4 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0803	0.0532	0.7432	2.2100e-003	0.2236	1.7500e-003	0.2253	0.0593	1.6100e-003	0.0609		219.7425	219.7425	6.0600e-003		219.8941
Total	**0.0803**	**0.0532**	**0.7432**	**2.2100e-003**	**0.2236**	**1.7500e-003**	**0.2253**	**0.0593**	**1.6100e-003**	**0.0609**		**219.7425**	**219.7425**	**6.0600e-003**		**219.8941**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**		**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4079	13.2032	3.4341	0.0364	0.9155	0.0248	0.9404	0.2636	0.0237	0.2873		3,896.5482	3,896.5482	0.2236		3,902.1384
Worker	3.2162	2.1318	29.7654	0.0883	8.9533	0.0701	9.0234	2.3745	0.0646	2.4390		8,800.6857	8,800.6857	0.2429		8,806.7582
Total	**3.6242**	**15.3350**	**33.1995**	**0.1247**	**9.8688**	**0.0949**	**9.9637**	**2.6381**	**0.0883**	**2.7263**		**12,697.2339**	**12,697.2339**	**0.4665**		**12,708.8966**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**	**0.0000**	**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4079	13.2032	3.4341	0.0364	0.9155	0.0248	0.9404	0.2636	0.0237	0.2873		3,896.5482	3,896.5482	0.2236		3,902.1384
Worker	3.2162	2.1318	29.7654	0.0883	8.9533	0.0701	9.0234	2.3745	0.0646	2.4390		8,800.6857	8,800.6857	0.2429		8,806.7582
Total	**3.6242**	**15.3350**	**33.1995**	**0.1247**	**9.8688**	**0.0949**	**9.9637**	**2.6381**	**0.0883**	**2.7263**		**12,697.2339**	**12,697.2339**	**0.4665**		**12,708.8966**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**		**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3027	10.0181	3.1014	0.0352	0.9156	0.0116	0.9271	0.2636	0.0111	0.2747		3,773.8762	3,773.8762	0.1982		3,778.8300
Worker	3.0203	1.9287	27.4113	0.0851	8.9533	0.0681	9.0214	2.3745	0.0627	2.4372		8,478.4408	8,478.4408	0.2190		8,483.9160
Total	**3.3229**	**11.9468**	**30.5127**	**0.1203**	**9.8688**	**0.0797**	**9.9485**	**2.6381**	**0.0738**	**2.7118**		**12,252.3170**	**12,252.3170**	**0.4172**		**12,262.7460**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**	**0.0000**	**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3027	10.0181	3.1014	0.0352	0.9156	0.0116	0.9271	0.2636	0.0111	0.2747		3,773.8762	3,773.8762	0.1982		3,778.8300
Worker	3.0203	1.9287	27.4113	0.0851	8.9533	0.0681	9.0214	2.3745	0.0627	2.4372		8,478.4408	8,478.4408	0.2190		8,483.9160
Total	**3.3229**	**11.9468**	**30.5127**	**0.1203**	**9.8688**	**0.0797**	**9.9485**	**2.6381**	**0.0738**	**2.7118**		**12,252.3170**	**12,252.3170**	**0.4172**		**12,262.7460**

3.6 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0327**	**10.1917**	**14.5842**	**0.0228**		**0.5102**	**0.5102**		**0.4694**	**0.4694**		**2,207.5841**	**2,207.5841**	**0.7140**		**2,225.4336**

3.6 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0566	0.0361	0.5133	1.5900e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		158.7723	158.7723	4.1000e-003		158.8748
Total	**0.0566**	**0.0361**	**0.5133**	**1.5900e-003**	**0.1677**	**1.2800e-003**	**0.1689**	**0.0445**	**1.1700e-003**	**0.0456**		**158.7723**	**158.7723**	**4.1000e-003**		**158.8748**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0327**	**10.1917**	**14.5842**	**0.0228**		**0.5102**	**0.5102**		**0.4694**	**0.4694**	**0.0000**	**2,207.5841**	**2,207.5841**	**0.7140**		**2,225.4336**

3.6 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0566	0.0361	0.5133	1.5900e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		158.7723	158.7723	4.1000e-003		158.8748
Total	**0.0566**	**0.0361**	**0.5133**	**1.5900e-003**	**0.1677**	**1.2800e-003**	**0.1689**	**0.0445**	**1.1700e-003**	**0.0456**		**158.7723**	**158.7723**	**4.1000e-003**		**158.8748**

3.6 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9882**	**9.5246**	**14.6258**	**0.0228**		**0.4685**	**0.4685**		**0.4310**	**0.4310**		**2,207.5472**	**2,207.5472**	**0.7140**		**2,225.3963**

3.6 Paving - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0535	0.0329	0.4785	1.5400e-003	0.1677	1.2600e-003	0.1689	0.0445	1.1600e-003	0.0456		153.8517	153.8517	3.7600e-003		153.9458
Total	**0.0535**	**0.0329**	**0.4785**	**1.5400e-003**	**0.1677**	**1.2600e-003**	**0.1689**	**0.0445**	**1.1600e-003**	**0.0456**		**153.8517**	**153.8517**	**3.7600e-003**		**153.9458**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9882**	**9.5246**	**14.6258**	**0.0228**		**0.4685**	**0.4685**		**0.4310**	**0.4310**	**0.0000**	**2,207.5472**	**2,207.5472**	**0.7140**		**2,225.3963**

3.6 Paving - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0535	0.0329	0.4785	1.5400e-003	0.1677	1.2600e-003	0.1689	0.0445	1.1600e-003	0.0456		153.8517	153.8517	3.7600e-003		153.9458
Total	**0.0535**	**0.0329**	**0.4785**	**1.5400e-003**	**0.1677**	**1.2600e-003**	**0.1689**	**0.0445**	**1.1600e-003**	**0.0456**		**153.8517**	**153.8517**	**3.7600e-003**		**153.9458**

3.7 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	236.4115					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	**236.5923**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

3.7 Architectural Coating - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.5707	0.3513	5.1044	0.0165	1.7884	0.0134	1.8018	0.4743	0.0123	0.4866		1,641.0852	1,641.0852	0.0401		1,642.0886
Total	**0.5707**	**0.3513**	**5.1044**	**0.0165**	**1.7884**	**0.0134**	**1.8018**	**0.4743**	**0.0123**	**0.4866**		**1,641.0852**	**1,641.0852**	**0.0401**		**1,642.0886**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	236.4115					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**236.5923**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

3.7 Architectural Coating - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.5707	0.3513	5.1044	0.0165	1.7884	0.0134	1.8018	0.4743	0.0123	0.4866		1,641.0852	1,641.0852	0.0401		1,642.0886
Total	**0.5707**	**0.3513**	**5.1044**	**0.0165**	**1.7884**	**0.0134**	**1.8018**	**0.4743**	**0.0123**	**0.4866**		**1,641.0852**	**1,641.0852**	**0.0401**		**1,642.0886**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	9.8489	45.4304	114.8495	0.4917	45.9592	0.3360	46.2951	12.2950	0.3119	12.6070		50,306.6034	50,306.6034	2.1807		50,361.1208
Unmitigated	9.8489	45.4304	114.8495	0.4917	45.9592	0.3360	46.2951	12.2950	0.3119	12.6070		50,306.6034	50,306.6034	2.1807		50,361.1208

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	145.75	154.25	154.00	506,227	506,227
Apartments Mid Rise	4,026.75	3,773.25	4075.50	13,660,065	13,660,065
General Office Building	288.45	62.55	31.05	706,812	706,812
High Turnover (Sit Down Restaurant)	2,368.80	2,873.52	2817.72	3,413,937	3,413,937
Hotel	192.00	187.50	160.00	445,703	445,703
Quality Restaurant	501.12	511.92	461.20	707,488	707,488
Regional Shopping Center	528.08	601.44	357.84	1,112,221	1,112,221
Total	8,050.95	8,164.43	8,057.31	20,552,452	20,552,452

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Quality Restaurant	16.60	8.40	6.90	12.00	69.00	19.00	38	18	44
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Apartments Mid Rise	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
General Office Building	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
High Turnover (Sit Down Restaurant)	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Hotel	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Quality Restaurant	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Regional Shopping Center	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Village South Specific Plan (Proposed) - Los Angeles-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.7660	6.7462	4.2573	0.0418		0.5292	0.5292		0.5292	0.5292		8,355.9832	8,355.9832	0.1602	0.1532	8,405.6387
NaturalGas Unmitigated	0.7660	6.7462	4.2573	0.0418		0.5292	0.5292		0.5292	0.5292		8,355.9832	8,355.9832	0.1602	0.1532	8,405.6387

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	1119.16	0.0121	0.1031	0.0439	6.6000e-004		8.3400e-003	8.3400e-003		8.3400e-003	8.3400e-003		131.6662	131.6662	2.5200e-003	2.4100e-003	132.4486
Apartments Mid Rise	35784.3	0.3859	3.2978	1.4033	0.0211		0.2666	0.2666		0.2666	0.2666		4,209.9164	4,209.9164	0.0807	0.0772	4,234.9339
General Office Building	1283.42	0.0138	0.1258	0.1057	7.5000e-004		9.5600e-003	9.5600e-003		9.5600e-003	9.5600e-003		150.9911	150.9911	2.8900e-003	2.7700e-003	151.8884
High Turnover (Sit Down Restaurant)	22759.9	0.2455	2.2314	1.8743	0.0134		0.1696	0.1696		0.1696	0.1696		2,677.6342	2,677.6342	0.0513	0.0491	2,693.5460
Hotel	4769.72	0.0514	0.4676	0.3928	2.8100e-003		0.0355	0.0355		0.0355	0.0355		561.1436	561.1436	0.0108	0.0103	564.4782
Quality Restaurant	5057.75	0.0545	0.4959	0.4165	2.9800e-003		0.0377	0.0377		0.0377	0.0377		595.0298	595.0298	0.0114	0.0109	598.5658
Regional Shopping Center	251.616	2.7100e-003	0.0247	0.0207	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.6019	29.6019	5.7000e-004	5.4000e-004	29.7778
Total		**0.7660**	**6.7463**	**4.2573**	**0.0418**		**0.5292**	**0.5292**		**0.5292**	**0.5292**		**8,355.9832**	**8,355.9832**	**0.1602**	**0.1532**	**8,405.6387**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	1.11916	0.0121	0.1031	0.0439	6.6000e-004		8.3400e-003	8.3400e-003		8.3400e-003	8.3400e-003		131.6662	131.6662	2.5200e-003	2.4100e-003	132.4486
Apartments Mid Rise	35.7843	0.3859	3.2978	1.4033	0.0211		0.2666	0.2666		0.2666	0.2666		4,209.9164	4,209.9164	0.0807	0.0772	4,234.9339
General Office Building	1.28342	0.0138	0.1258	0.1057	7.5000e-004		9.5600e-003	9.5600e-003		9.5600e-003	9.5600e-003		150.9911	150.9911	2.8900e-003	2.7700e-003	151.8884
High Turnover (Sit Down Restaurant)	22.7599	0.2455	2.2314	1.8743	0.0134		0.1696	0.1696		0.1696	0.1696		2,677.6342	2,677.6342	0.0513	0.0491	2,693.5460
Hotel	4.76972	0.0514	0.4676	0.3928	2.8100e-003		0.0355	0.0355		0.0355	0.0355		561.1436	561.1436	0.0108	0.0103	564.4782
Quality Restaurant	5.05775	0.0545	0.4959	0.4165	2.9800e-003		0.0377	0.0377		0.0377	0.0377		595.0298	595.0298	0.0114	0.0109	598.5658
Regional Shopping Center	0.251616	2.7100e-003	0.0247	0.0207	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.6019	29.6019	5.7000e-004	5.4000e-004	29.7778
Total		**0.7660**	**6.7463**	**4.2573**	**0.0418**		**0.5292**	**0.5292**		**0.5292**	**0.5292**		**8,355.9832**	**8,355.9832**	**0.1602**	**0.1532**	**8,405.6387**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	30.5020	15.0496	88.4430	0.0944		1.5974	1.5974		1.5974	1.5974	0.0000	18,148.5950	18,148.5950	0.4874	0.3300	18,259.1192
Unmitigated	30.5020	15.0496	88.4430	0.0944		1.5974	1.5974		1.5974	1.5974	0.0000	18,148.5950	18,148.5950	0.4874	0.3300	18,259.1192

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.2670					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	24.1085					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1.6500	14.1000	6.0000	0.0900		1.1400	1.1400		1.1400	1.1400	0.0000	18,000.0000	18,000.0000	0.3450	0.3300	18,106.9650
Landscaping	2.4766	0.9496	82.4430	4.3600e-003		0.4574	0.4574		0.4574	0.4574		148.5950	148.5950	0.1424		152.1542
Total	**30.5020**	**15.0496**	**88.4430**	**0.0944**		**1.5974**	**1.5974**		**1.5974**	**1.5974**	**0.0000**	**18,148.5950**	**18,148.5950**	**0.4874**	**0.3300**	**18,259.1192**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.2670					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	24.1085					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1.6500	14.1000	6.0000	0.0900		1.1400	1.1400		1.1400	1.1400	0.0000	18,000.0000	18,000.0000	0.3450	0.3300	18,106.9650
Landscaping	2.4766	0.9496	82.4430	4.3600e-003		0.4574	0.4574		0.4574	0.4574		148.5950	148.5950	0.1424		152.1542
Total	**30.5020**	**15.0496**	**88.4430**	**0.0944**		**1.5974**	**1.5974**		**1.5974**	**1.5974**	**0.0000**	**18,148.5950**	**18,148.5950**	**0.4874**	**0.3300**	**18,259.1192**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Village South Specific Plan (Proposed)

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	45.00	1000sqft	1.03	45,000.00	0
High Turnover (Sit Down Restaurant)	36.00	1000sqft	0.83	36,000.00	0
Hotel	50.00	Room	1.67	72,600.00	0
Quality Restaurant	8.00	1000sqft	0.18	8,000.00	0
Apartments Low Rise	25.00	Dwelling Unit	1.56	25,000.00	72
Apartments Mid Rise	975.00	Dwelling Unit	25.66	975,000.00	2789
Regional Shopping Center	56.00	1000sqft	1.29	56,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2028
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Village South Specific Plan (Proposed) - Los Angeles-South Coast County, Winter

Project Characteristics - Consistent with the DEIR's model.

Land Use - See SWAPE comment regarding residential and retail land uses.

Construction Phase - See SWAPE comment regarding individual construction phase lengths.

Demolition - Consistent with the DEIR's model. See SWAPE comment regarding demolition.

Vehicle Trips - Saturday trips consistent with the DEIR's model. See SWAPE comment regarding weekday and Sunday trips.

Woodstoves - Woodstoves and wood-burning fireplaces consistent with the DEIR's model. See SWAPE comment regarding gas fireplaces.

Energy Use -

Construction Off-road Equipment Mitigation - See SWAPE comment on construction-related mitigation.

Area Mitigation - See SWAPE comment regarding operational mitigation measures.

Water Mitigation - See SWAPE comment regarding operational mitigation measures.

Table Name	Column Name	Default Value	New Value
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberWood	1.25	0.00
tblFireplaces	NumberWood	48.75	0.00
tblVehicleTrips	ST_TR	7.16	6.17
tblVehicleTrips	ST_TR	6.39	3.87
tblVehicleTrips	ST_TR	2.46	1.39
tblVehicleTrips	ST_TR	158.37	79.82
tblVehicleTrips	ST_TR	8.19	3.75
tblVehicleTrips	ST_TR	94.36	63.99
tblVehicleTrips	ST_TR	49.97	10.74
tblVehicleTrips	SU_TR	6.07	6.16
tblVehicleTrips	SU_TR	5.86	4.18
tblVehicleTrips	SU_TR	1.05	0.69
tblVehicleTrips	SU_TR	131.84	78.27

tblVehicleTrips	SU_TR	5.95	3.20
tblVehicleTrips	SU_TR	72.16	57.65
tblVehicleTrips	SU_TR	25.24	6.39
tblVehicleTrips	WD_TR	6.59	5.83
tblVehicleTrips	WD_TR	6.65	4.13
tblVehicleTrips	WD_TR	11.03	6.41
tblVehicleTrips	WD_TR	127.15	65.80
tblVehicleTrips	WD_TR	8.17	3.84
tblVehicleTrips	WD_TR	89.95	62.64
tblVehicleTrips	WD_TR	42.70	9.43
tblWoodstoves	NumberCatalytic	1.25	0.00
tblWoodstoves	NumberCatalytic	48.75	0.00
tblWoodstoves	NumberNoncatalytic	1.25	0.00
tblWoodstoves	NumberNoncatalytic	48.75	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	4.2865	46.4651	31.6150	0.0642	18.2675	2.0461	20.3135	9.9840	1.8824	11.8664	0.0000	6,221.4937	6,221.4937	1.9491	0.0000	6,270.2214
2022	5.7218	38.9024	47.3319	0.1455	9.8688	1.6366	10.7736	3.6558	1.5057	5.1615	0.0000	14,630.3099	14,630.3099	1.9499	0.0000	14,657.2663
2023	5.2705	26.4914	44.5936	0.1413	9.8688	0.7800	10.6488	2.6381	0.7328	3.3708	0.0000	14,210.3424	14,210.3424	1.0230	0.0000	14,235.9160
2024	237.2328	9.5610	15.0611	0.0243	1.7884	0.4698	1.8628	0.4743	0.4322	0.5476	0.0000	2,352.4178	2,352.4178	0.7175	0.0000	2,370.3550
Maximum	**237.2328**	**46.4651**	**47.3319**	**0.1455**	**18.2675**	**2.0461**	**20.3135**	**9.9840**	**1.8824**	**11.8664**	**0.0000**	**14,630.3099**	**14,630.3099**	**1.9499**	**0.0000**	**14,657.2663**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	4.2865	46.4651	31.6150	0.0642	18.2675	2.0461	20.3135	9.9840	1.8824	11.8664	0.0000	6,221.4937	6,221.4937	1.9491	0.0000	6,270.2214
2022	5.7218	38.9024	47.3319	0.1455	9.8688	1.6366	10.7736	3.6558	1.5057	5.1615	0.0000	14,630.3099	14,630.3099	1.9499	0.0000	14,657.2663
2023	5.2705	26.4914	44.5936	0.1413	9.8688	0.7800	10.6488	2.6381	0.7328	3.3708	0.0000	14,210.3424	14,210.3424	1.0230	0.0000	14,235.9160
2024	237.2328	9.5610	15.0611	0.0243	1.7884	0.4698	1.8628	0.4743	0.4322	0.5476	0.0000	2,352.4178	2,352.4178	0.7175	0.0000	2,370.3550
Maximum	**237.2328**	**46.4651**	**47.3319**	**0.1455**	**18.2675**	**2.0461**	**20.3135**	**9.9840**	**1.8824**	**11.8664**	**0.0000**	**14,630.3099**	**14,630.3099**	**1.9499**	**0.0000**	**14,657.2663**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	30.5020	15.0496	88.4430	0.0944		1.5974	1.5974		1.5974	1.5974	0.0000	18,148.5950	18,148.5950	0.4874	0.3300	18,259.1192
Energy	0.7660	6.7462	4.2573	0.0418		0.5292	0.5292		0.5292	0.5292		8,355.9832	8,355.9832	0.1602	0.1532	8,405.6387
Mobile	9.5233	45.9914	110.0422	0.4681	45.9592	0.3373	46.2965	12.2950	0.3132	12.6083		47,917.8005	47,917.8005	2.1953		47,972.6839
Total	**40.7912**	**67.7872**	**202.7424**	**0.6043**	**45.9592**	**2.4640**	**48.4231**	**12.2950**	**2.4399**	**14.7349**	**0.0000**	**74,422.3787**	**74,422.3787**	**2.8429**	**0.4832**	**74,637.4417**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	30.5020	15.0496	88.4430	0.0944		1.5974	1.5974		1.5974	1.5974	0.0000	18,148.5950	18,148.5950	0.4874	0.3300	18,259.1192
Energy	0.7660	6.7462	4.2573	0.0418		0.5292	0.5292		0.5292	0.5292		8,355.9832	8,355.9832	0.1602	0.1532	8,405.6387
Mobile	9.5233	45.9914	110.0422	0.4681	45.9592	0.3373	46.2965	12.2950	0.3132	12.6083		47,917.8005	47,917.8005	2.1953		47,972.6839
Total	**40.7912**	**67.7872**	**202.7424**	**0.6043**	**45.9592**	**2.4640**	**48.4231**	**12.2950**	**2.4399**	**14.7349**	**0.0000**	**74,422.3787**	**74,422.3787**	**2.8429**	**0.4832**	**74,637.4417**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	9/1/2021	10/12/2021	5	30	
2	Site Preparation	Site Preparation	10/13/2021	11/9/2021	5	20	
3	Grading	Grading	11/10/2021	1/11/2022	5	45	
4	Building Construction	Building Construction	1/12/2022	12/12/2023	5	500	
5	Paving	Paving	12/13/2023	1/30/2024	5	35	
6	Architectural Coating	Architectural Coating	1/31/2024	3/19/2024	5	35	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 112.5

Acres of Paving: 0

Residential Indoor: 2,025,000; Residential Outdoor: 675,000; Non-Residential Indoor: 326,400; Non-Residential Outdoor: 108,800; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Village South Specific Plan (Proposed) - Los Angeles-South Coast County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	458.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	801.00	143.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	160.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.3074	0.0000	3.3074	0.5008	0.0000	0.5008			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**	**3.3074**	**1.5513**	**4.8588**	**0.5008**	**1.4411**	**1.9419**		**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.2 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1304	4.1454	1.0182	0.0117	0.2669	0.0128	0.2797	0.0732	0.0122	0.0854		1,269.8555	1,269.8555	0.0908		1,272.1252
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0715	0.0489	0.5524	1.6100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		160.8377	160.8377	4.7300e-003		160.9560
Total	**0.2019**	**4.1943**	**1.5706**	**0.0133**	**0.4346**	**0.0141**	**0.4487**	**0.1176**	**0.0135**	**0.1311**		**1,430.6932**	**1,430.6932**	**0.0955**		**1,433.0812**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.3074	0.0000	3.3074	0.5008	0.0000	0.5008			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**	**3.3074**	**1.5513**	**4.8588**	**0.5008**	**1.4411**	**1.9419**	**0.0000**	**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.2 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1304	4.1454	1.0182	0.0117	0.2669	0.0128	0.2797	0.0732	0.0122	0.0854		1,269.8555	1,269.8555	0.0908		1,272.1252
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0715	0.0489	0.5524	1.6100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		160.8377	160.8377	4.7300e-003		160.9560
Total	**0.2019**	**4.1943**	**1.5706**	**0.0133**	**0.4346**	**0.0141**	**0.4487**	**0.1176**	**0.0135**	**0.1311**		**1,430.6932**	**1,430.6932**	**0.0955**		**1,433.0812**

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**		**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.3 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0858	0.0587	0.6629	1.9400e-003	0.2012	1.6300e-003	0.2028	0.0534	1.5000e-003	0.0549		193.0052	193.0052	5.6800e-003		193.1472
Total	**0.0858**	**0.0587**	**0.6629**	**1.9400e-003**	**0.2012**	**1.6300e-003**	**0.2028**	**0.0534**	**1.5000e-003**	**0.0549**		**193.0052**	**193.0052**	**5.6800e-003**		**193.1472**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.3 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0858	0.0587	0.6629	1.9400e-003	0.2012	1.6300e-003	0.2028	0.0534	1.5000e-003	0.0549		193.0052	193.0052	5.6800e-003		193.1472
Total	**0.0858**	**0.0587**	**0.6629**	**1.9400e-003**	**0.2012**	**1.6300e-003**	**0.2028**	**0.0534**	**1.5000e-003**	**0.0549**		**193.0052**	**193.0052**	**5.6800e-003**		**193.1472**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**8.6733**	**1.9853**	**10.6587**	**3.5965**	**1.8265**	**5.4230**		**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0954	0.0652	0.7365	2.1500e-003	0.2236	1.8100e-003	0.2254	0.0593	1.6600e-003	0.0610		214.4502	214.4502	6.3100e-003		214.6080
Total	**0.0954**	**0.0652**	**0.7365**	**2.1500e-003**	**0.2236**	**1.8100e-003**	**0.2254**	**0.0593**	**1.6600e-003**	**0.0610**		**214.4502**	**214.4502**	**6.3100e-003**		**214.6080**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**8.6733**	**1.9853**	**10.6587**	**3.5965**	**1.8265**	**5.4230**	**0.0000**	**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0954	0.0652	0.7365	2.1500e-003	0.2236	1.8100e-003	0.2254	0.0593	1.6600e-003	0.0610		214.4502	214.4502	6.3100e-003		214.6080
Total	**0.0954**	**0.0652**	**0.7365**	**2.1500e-003**	**0.2236**	**1.8100e-003**	**0.2254**	**0.0593**	**1.6600e-003**	**0.0610**		**214.4502**	**214.4502**	**6.3100e-003**		**214.6080**

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
Total	**3.6248**	**38.8435**	**29.0415**	**0.0621**	**8.6733**	**1.6349**	**10.3082**	**3.5965**	**1.5041**	**5.1006**		**6,011.4105**	**6,011.4105**	**1.9442**		**6,060.0158**

3.4 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0896	0.0589	0.6784	2.0800e-003	0.2236	1.7500e-003	0.2253	0.0593	1.6100e-003	0.0609		206.9139	206.9139	5.7000e-003		207.0563
Total	**0.0896**	**0.0589**	**0.6784**	**2.0800e-003**	**0.2236**	**1.7500e-003**	**0.2253**	**0.0593**	**1.6100e-003**	**0.0609**		**206.9139**	**206.9139**	**5.7000e-003**		**207.0563**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
Total	**3.6248**	**38.8435**	**29.0415**	**0.0621**	**8.6733**	**1.6349**	**10.3082**	**3.5965**	**1.5041**	**5.1006**	**0.0000**	**6,011.4105**	**6,011.4105**	**1.9442**		**6,060.0158**

3.4 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0896	0.0589	0.6784	2.0800e-003	0.2236	1.7500e-003	0.2253	0.0593	1.6100e-003	0.0609		206.9139	206.9139	5.7000e-003		207.0563
Total	**0.0896**	**0.0589**	**0.6784**	**2.0800e-003**	**0.2236**	**1.7500e-003**	**0.2253**	**0.0593**	**1.6100e-003**	**0.0609**		**206.9139**	**206.9139**	**5.7000e-003**		**207.0563**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**		**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4284	13.1673	3.8005	0.0354	0.9155	0.0256	0.9412	0.2636	0.0245	0.2881		3,789.0750	3,789.0750	0.2381		3,795.0283
Worker	3.5872	2.3593	27.1680	0.0832	8.9533	0.0701	9.0234	2.3745	0.0646	2.4390		8,286.9013	8,286.9013	0.2282		8,292.6058
Total	**4.0156**	**15.5266**	**30.9685**	**0.1186**	**9.8688**	**0.0957**	**9.9645**	**2.6381**	**0.0891**	**2.7271**		**12,075.9763**	**12,075.9763**	**0.4663**		**12,087.6341**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**	**0.0000**	**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4284	13.1673	3.8005	0.0354	0.9155	0.0256	0.9412	0.2636	0.0245	0.2881		3,789.0750	3,789.0750	0.2381		3,795.0283
Worker	3.5872	2.3593	27.1680	0.0832	8.9533	0.0701	9.0234	2.3745	0.0646	2.4390		8,286.9013	8,286.9013	0.2282		8,292.6058
Total	**4.0156**	**15.5266**	**30.9685**	**0.1186**	**9.8688**	**0.0957**	**9.9645**	**2.6381**	**0.0891**	**2.7271**		**12,075.9763**	**12,075.9763**	**0.4663**		**12,087.6341**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**		**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3183	9.9726	3.3771	0.0343	0.9156	0.0122	0.9277	0.2636	0.0116	0.2752		3,671.4007	3,671.4007	0.2096		3,676.6417
Worker	3.3795	2.1338	24.9725	0.0801	8.9533	0.0681	9.0214	2.3745	0.0627	2.4372		7,983.7318	7,983.7318	0.2055		7,988.8683
Total	**3.6978**	**12.1065**	**28.3496**	**0.1144**	**9.8688**	**0.0803**	**9.9491**	**2.6381**	**0.0743**	**2.7124**		**11,655.1325**	**11,655.1325**	**0.4151**		**11,665.5099**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**	**0.0000**	**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3183	9.9726	3.3771	0.0343	0.9156	0.0122	0.9277	0.2636	0.0116	0.2752		3,671.4007	3,671.4007	0.2096		3,676.6417
Worker	3.3795	2.1338	24.9725	0.0801	8.9533	0.0681	9.0214	2.3745	0.0627	2.4372		7,983.7318	7,983.7318	0.2055		7,988.8683
Total	**3.6978**	**12.1065**	**28.3496**	**0.1144**	**9.8688**	**0.0803**	**9.9491**	**2.6381**	**0.0743**	**2.7124**		**11,655.1325**	**11,655.1325**	**0.4151**		**11,665.5099**

3.6 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0327**	**10.1917**	**14.5842**	**0.0228**		**0.5102**	**0.5102**		**0.4694**	**0.4694**		**2,207.5841**	**2,207.5841**	**0.7140**		**2,225.4336**

3.6 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0633	0.0400	0.4677	1.5000e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		149.5081	149.5081	3.8500e-003		149.6043
Total	**0.0633**	**0.0400**	**0.4677**	**1.5000e-003**	**0.1677**	**1.2800e-003**	**0.1689**	**0.0445**	**1.1700e-003**	**0.0456**		**149.5081**	**149.5081**	**3.8500e-003**		**149.6043**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0327**	**10.1917**	**14.5842**	**0.0228**		**0.5102**	**0.5102**		**0.4694**	**0.4694**	**0.0000**	**2,207.5841**	**2,207.5841**	**0.7140**		**2,225.4336**

3.6 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0633	0.0400	0.4677	1.5000e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		149.5081	149.5081	3.8500e-003		149.6043
Total	**0.0633**	**0.0400**	**0.4677**	**1.5000e-003**	**0.1677**	**1.2800e-003**	**0.1689**	**0.0445**	**1.1700e-003**	**0.0456**		**149.5081**	**149.5081**	**3.8500e-003**		**149.6043**

3.6 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9882**	**9.5246**	**14.6258**	**0.0228**		**0.4685**	**0.4685**		**0.4310**	**0.4310**		**2,207.5472**	**2,207.5472**	**0.7140**		**2,225.3963**

3.6 Paving - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0601	0.0364	0.4354	1.4500e-003	0.1677	1.2600e-003	0.1689	0.0445	1.1600e-003	0.0456		144.8706	144.8706	3.5300e-003		144.9587
Total	**0.0601**	**0.0364**	**0.4354**	**1.4500e-003**	**0.1677**	**1.2600e-003**	**0.1689**	**0.0445**	**1.1600e-003**	**0.0456**		**144.8706**	**144.8706**	**3.5300e-003**		**144.9587**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9882**	**9.5246**	**14.6258**	**0.0228**		**0.4685**	**0.4685**		**0.4310**	**0.4310**	**0.0000**	**2,207.5472**	**2,207.5472**	**0.7140**		**2,225.3963**

3.6 Paving - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0601	0.0364	0.4354	1.4500e-003	0.1677	1.2600e-003	0.1689	0.0445	1.1600e-003	0.0456		144.8706	144.8706	3.5300e-003		144.9587
Total	**0.0601**	**0.0364**	**0.4354**	**1.4500e-003**	**0.1677**	**1.2600e-003**	**0.1689**	**0.0445**	**1.1600e-003**	**0.0456**		**144.8706**	**144.8706**	**3.5300e-003**		**144.9587**

3.7 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	236.4115					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	**236.5923**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

3.7 Architectural Coating - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.6406	0.3886	4.6439	0.0155	1.7884	0.0134	1.8018	0.4743	0.0123	0.4866		1,545.2860	1,545.2860	0.0376		1,546.2262
Total	**0.6406**	**0.3886**	**4.6439**	**0.0155**	**1.7884**	**0.0134**	**1.8018**	**0.4743**	**0.0123**	**0.4866**		**1,545.2860**	**1,545.2860**	**0.0376**		**1,546.2262**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	236.4115					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**236.5923**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

3.7 Architectural Coating - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.6406	0.3886	4.6439	0.0155	1.7884	0.0134	1.8018	0.4743	0.0123	0.4866		1,545.2860	1,545.2860	0.0376		1,546.2262
Total	**0.6406**	**0.3886**	**4.6439**	**0.0155**	**1.7884**	**0.0134**	**1.8018**	**0.4743**	**0.0123**	**0.4866**		**1,545.2860**	**1,545.2860**	**0.0376**		**1,546.2262**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	9.5233	45.9914	110.0422	0.4681	45.9592	0.3373	46.2965	12.2950	0.3132	12.6083		47,917.8005	47,917.8005	2.1953		47,972.6839
Unmitigated	9.5233	45.9914	110.0422	0.4681	45.9592	0.3373	46.2965	12.2950	0.3132	12.6083		47,917.8005	47,917.8005	2.1953		47,972.6839

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	145.75	154.25	154.00	506,227	506,227
Apartments Mid Rise	4,026.75	3,773.25	4075.50	13,660,065	13,660,065
General Office Building	288.45	62.55	31.05	706,812	706,812
High Turnover (Sit Down Restaurant)	2,368.80	2,873.52	2817.72	3,413,937	3,413,937
Hotel	192.00	187.50	160.00	445,703	445,703
Quality Restaurant	501.12	511.92	461.20	707,488	707,488
Regional Shopping Center	528.08	601.44	357.84	1,112,221	1,112,221
Total	8,050.95	8,164.43	8,057.31	20,552,452	20,552,452

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Quality Restaurant	16.60	8.40	6.90	12.00	69.00	19.00	38	18	44
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Apartments Mid Rise	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
General Office Building	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
High Turnover (Sit Down Restaurant)	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Hotel	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Quality Restaurant	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Regional Shopping Center	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Village South Specific Plan (Proposed) - Los Angeles-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.7660	6.7462	4.2573	0.0418		0.5292	0.5292		0.5292	0.5292		8,355.9832	8,355.9832	0.1602	0.1532	8,405.6387
NaturalGas Unmitigated	0.7660	6.7462	4.2573	0.0418		0.5292	0.5292		0.5292	0.5292		8,355.9832	8,355.9832	0.1602	0.1532	8,405.6387

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	1119.16	0.0121	0.1031	0.0439	6.6000e-004		8.3400e-003	8.3400e-003		8.3400e-003	8.3400e-003		131.6662	131.6662	2.5200e-003	2.4100e-003	132.4486
Apartments Mid Rise	35784.3	0.3859	3.2978	1.4033	0.0211		0.2666	0.2666		0.2666	0.2666		4,209.9164	4,209.9164	0.0807	0.0772	4,234.9339
General Office Building	1283.42	0.0138	0.1258	0.1057	7.5000e-004		9.5600e-003	9.5600e-003		9.5600e-003	9.5600e-003		150.9911	150.9911	2.8900e-003	2.7700e-003	151.8884
High Turnover (Sit Down Restaurant)	22759.9	0.2455	2.2314	1.8743	0.0134		0.1696	0.1696		0.1696	0.1696		2,677.6342	2,677.6342	0.0513	0.0491	2,693.5460
Hotel	4769.72	0.0514	0.4676	0.3928	2.8100e-003		0.0355	0.0355		0.0355	0.0355		561.1436	561.1436	0.0108	0.0103	564.4782
Quality Restaurant	5057.75	0.0545	0.4959	0.4165	2.9800e-003		0.0377	0.0377		0.0377	0.0377		595.0298	595.0298	0.0114	0.0109	598.5658
Regional Shopping Center	251.616	2.7100e-003	0.0247	0.0207	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.6019	29.6019	5.7000e-004	5.4000e-004	29.7778
Total		**0.7660**	**6.7463**	**4.2573**	**0.0418**		**0.5292**	**0.5292**		**0.5292**	**0.5292**		**8,355.9832**	**8,355.9832**	**0.1602**	**0.1532**	**8,405.6387**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	1.11916	0.0121	0.1031	0.0439	6.6000e-004		8.3400e-003	8.3400e-003		8.3400e-003	8.3400e-003		131.6662	131.6662	2.5200e-003	2.4100e-003	132.4486
Apartments Mid Rise	35.7843	0.3859	3.2978	1.4033	0.0211		0.2666	0.2666		0.2666	0.2666		4,209.9164	4,209.9164	0.0807	0.0772	4,234.9339
General Office Building	1.28342	0.0138	0.1258	0.1057	7.5000e-004		9.5600e-003	9.5600e-003		9.5600e-003	9.5600e-003		150.9911	150.9911	2.8900e-003	2.7700e-003	151.8884
High Turnover (Sit Down Restaurant)	22.7599	0.2455	2.2314	1.8743	0.0134		0.1696	0.1696		0.1696	0.1696		2,677.6342	2,677.6342	0.0513	0.0491	2,693.5460
Hotel	4.76972	0.0514	0.4676	0.3928	2.8100e-003		0.0355	0.0355		0.0355	0.0355		561.1436	561.1436	0.0108	0.0103	564.4782
Quality Restaurant	5.05775	0.0545	0.4959	0.4165	2.9800e-003		0.0377	0.0377		0.0377	0.0377		595.0298	595.0298	0.0114	0.0109	598.5658
Regional Shopping Center	0.251616	2.7100e-003	0.0247	0.0207	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.6019	29.6019	5.7000e-004	5.4000e-004	29.7778
Total		**0.7660**	**6.7463**	**4.2573**	**0.0418**		**0.5292**	**0.5292**		**0.5292**	**0.5292**		**8,355.9832**	**8,355.9832**	**0.1602**	**0.1532**	**8,405.6387**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	30.5020	15.0496	88.4430	0.0944		1.5974	1.5974		1.5974	1.5974	0.0000	18,148.5950	18,148.5950	0.4874	0.3300	18,259.1192
Unmitigated	30.5020	15.0496	88.4430	0.0944		1.5974	1.5974		1.5974	1.5974	0.0000	18,148.5950	18,148.5950	0.4874	0.3300	18,259.1192

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.2670					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	24.1085					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1.6500	14.1000	6.0000	0.0900		1.1400	1.1400		1.1400	1.1400	0.0000	18,000.0000	18,000.0000	0.3450	0.3300	18,106.9650
Landscaping	2.4766	0.9496	82.4430	4.3600e-003		0.4574	0.4574		0.4574	0.4574		148.5950	148.5950	0.1424		152.1542
Total	**30.5020**	**15.0496**	**88.4430**	**0.0944**		**1.5974**	**1.5974**		**1.5974**	**1.5974**	**0.0000**	**18,148.5950**	**18,148.5950**	**0.4874**	**0.3300**	**18,259.1192**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.2670					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	24.1085					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1.6500	14.1000	6.0000	0.0900		1.1400	1.1400		1.1400	1.1400	0.0000	18,000.0000	18,000.0000	0.3450	0.3300	18,106.9650
Landscaping	2.4766	0.9496	82.4430	4.3600e-003		0.4574	0.4574		0.4574	0.4574		148.5950	148.5950	0.1424		152.1542
Total	**30.5020**	**15.0496**	**88.4430**	**0.0944**		**1.5974**	**1.5974**		**1.5974**	**1.5974**	**0.0000**	**18,148.5950**	**18,148.5950**	**0.4874**	**0.3300**	**18,259.1192**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Village South Specific Plan (Proposed)

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	45.00	1000sqft	1.03	45,000.00	0
High Turnover (Sit Down Restaurant)	36.00	1000sqft	0.83	36,000.00	0
Hotel	50.00	Room	1.67	72,600.00	0
Quality Restaurant	8.00	1000sqft	0.18	8,000.00	0
Apartments Low Rise	25.00	Dwelling Unit	1.56	25,000.00	72
Apartments Mid Rise	975.00	Dwelling Unit	25.66	975,000.00	2789
Regional Shopping Center	56.00	1000sqft	1.29	56,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2028
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Village South Specific Plan (Proposed) - Los Angeles-South Coast County, Annual

Project Characteristics - Consistent with the DEIR's model.

Land Use - See SWAPE comment regarding residential and retail land uses.

Construction Phase - See SWAPE comment regarding individual construction phase lengths.

Demolition - Consistent with the DEIR's model. See SWAPE comment regarding demolition.

Vehicle Trips - Saturday trips consistent with the DEIR's model. See SWAPE comment regarding weekday and Sunday trips.

Woodstoves - Woodstoves and wood-burning fireplaces consistent with the DEIR's model. See SWAPE comment regarding gas fireplaces.

Energy Use -

Construction Off-road Equipment Mitigation - See SWAPE comment on construction-related mitigation.

Area Mitigation - See SWAPE comment regarding operational mitigation measures.

Water Mitigation - See SWAPE comment regarding operational mitigation measures.

Trips and VMT - Local hire provision

Table Name	Column Name	Default Value	New Value
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberWood	1.25	0.00
tblFireplaces	NumberWood	48.75	0.00
tblTripsAndVMT	WorkerTripLength	14.70	10.00
tblTripsAndVMT	WorkerTripLength	14.70	10.00
tblTripsAndVMT	WorkerTripLength	14.70	10.00
tblTripsAndVMT	WorkerTripLength	14.70	10.00
tblTripsAndVMT	WorkerTripLength	14.70	10.00
tblTripsAndVMT	WorkerTripLength	14.70	10.00
tblVehicleTrips	ST_TR	7.16	6.17
tblVehicleTrips	ST_TR	6.39	3.87
tblVehicleTrips	ST_TR	2.46	1.39
tblVehicleTrips	ST_TR	158.37	79.82

tblVehicleTrips	ST_TR	8.19	3.75
tblVehicleTrips	ST_TR	94.36	63.99
tblVehicleTrips	ST_TR	49.97	10.74
tblVehicleTrips	SU_TR	6.07	6.16
tblVehicleTrips	SU_TR	5.86	4.18
tblVehicleTrips	SU_TR	1.05	0.69
tblVehicleTrips	SU_TR	131.84	78.27
tblVehicleTrips	SU_TR	5.95	3.20
tblVehicleTrips	SU_TR	72.16	57.65
tblVehicleTrips	SU_TR	25.24	6.39
tblVehicleTrips	WD_TR	6.59	5.83
tblVehicleTrips	WD_TR	6.65	4.13
tblVehicleTrips	WD_TR	11.03	6.41
tblVehicleTrips	WD_TR	127.15	65.80
tblVehicleTrips	WD_TR	8.17	3.84
tblVehicleTrips	WD_TR	89.95	62.64
tblVehicleTrips	WD_TR	42.70	9.43
tblWoodstoves	NumberCatalytic	1.25	0.00
tblWoodstoves	NumberCatalytic	48.75	0.00
tblWoodstoves	NumberNoncatalytic	1.25	0.00
tblWoodstoves	NumberNoncatalytic	48.75	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.1704	1.8234	1.1577	2.3800e-003	0.4141	0.0817	0.4958	0.1788	0.0754	0.2542	0.0000	210.7654	210.7654	0.0600	0.0000	212.2661
2022	0.5865	4.0240	5.1546	0.0155	0.9509	0.1175	1.0683	0.2518	0.1103	0.3621	0.0000	1,418.6554	1,418.6554	0.1215	0.0000	1,421.6925
2023	0.5190	3.2850	4.7678	0.0147	0.8497	0.0971	0.9468	0.2283	0.0912	0.3195	0.0000	1,342.4412	1,342.4412	0.1115	0.0000	1,345.2291
2024	4.1592	0.1313	0.2557	5.0000e-004	0.0221	6.3900e-003	0.0285	5.8700e-003	5.9700e-003	0.0118	0.0000	44.6355	44.6355	7.8300e-003	0.0000	44.8311
Maximum	**4.1592**	**4.0240**	**5.1546**	**0.0155**	**0.9509**	**0.1175**	**1.0683**	**0.2518**	**0.1103**	**0.3621**	**0.0000**	**1,418.6554**	**1,418.6554**	**0.1215**	**0.0000**	**1,421.6925**

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.1704	1.8234	1.1577	2.3800e-003	0.4141	0.0817	0.4958	0.1788	0.0754	0.2542	0.0000	210.7651	210.7651	0.0600	0.0000	212.2658
2022	0.5865	4.0240	5.1546	0.0155	0.9509	0.1175	1.0683	0.2518	0.1103	0.3621	0.0000	1,418.6550	1,418.6550	0.1215	0.0000	1,421.6921
2023	0.5190	3.2850	4.7678	0.0147	0.8497	0.0971	0.9468	0.2283	0.0912	0.3195	0.0000	1,342.4409	1,342.4409	0.1115	0.0000	1,345.2287
2024	4.1592	0.1313	0.2557	5.0000e-004	0.0221	6.3900e-003	0.0285	5.8700e-003	5.9700e-003	0.0118	0.0000	44.6354	44.6354	7.8300e-003	0.0000	44.8311
Maximum	**4.1592**	**4.0240**	**5.1546**	**0.0155**	**0.9509**	**0.1175**	**1.0683**	**0.2518**	**0.1103**	**0.3621**	**0.0000**	**1,418.6550**	**1,418.6550**	**0.1215**	**0.0000**	**1,421.6921**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**9-1-2021**	**11-30-2021**	1.4091	1.4091
2	**12-1-2021**	**2-28-2022**	1.3329	1.3329
3	**3-1-2022**	**5-31-2022**	1.1499	1.1499
4	**6-1-2022**	**8-31-2022**	1.1457	1.1457
5	**9-1-2022**	**11-30-2022**	1.1415	1.1415
6	**12-1-2022**	**2-28-2023**	1.0278	1.0278
7	**3-1-2023**	**5-31-2023**	0.9868	0.9868
8	**6-1-2023**	**8-31-2023**	0.9831	0.9831

9	**9-1-2023**	**11-30-2023**	0.9798	0.9798
10	**12-1-2023**	**2-29-2024**	2.8757	2.8757
11	**3-1-2024**	**5-31-2024**	1.6188	1.6188
		Highest	2.8757	2.8757

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	5.1437	0.2950	10.3804	1.6700e-003		0.0714	0.0714		0.0714	0.0714	0.0000	220.9670	220.9670	0.0201	3.7400e-003	222.5835
Energy	0.1398	1.2312	0.7770	7.6200e-003		0.0966	0.0966		0.0966	0.0966	0.0000	3,896.0732	3,896.0732	0.1303	0.0468	3,913.2833
Mobile	1.5857	7.9962	19.1834	0.0821	7.7979	0.0580	7.8559	2.0895	0.0539	2.1434	0.0000	7,620.4986	7,620.4986	0.3407	0.0000	7,629.0162
Waste						0.0000	0.0000		0.0000	0.0000	207.8079	0.0000	207.8079	12.2811	0.0000	514.8354
Water						0.0000	0.0000		0.0000	0.0000	29.1632	556.6420	585.8052	3.0183	0.0755	683.7567
Total	**6.8692**	**9.5223**	**30.3407**	**0.0914**	**7.7979**	**0.2260**	**8.0240**	**2.0895**	**0.2219**	**2.3114**	**236.9712**	**12,294.1807**	**12,531.1519**	**15.7904**	**0.1260**	**12,963.4751**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	5.1437	0.2950	10.3804	1.6700e-003		0.0714	0.0714		0.0714	0.0714	0.0000	220.9670	220.9670	0.0201	3.7400e-003	222.5835
Energy	0.1398	1.2312	0.7770	7.6200e-003		0.0966	0.0966		0.0966	0.0966	0.0000	3,896.0732	3,896.0732	0.1303	0.0468	3,913.2833
Mobile	1.5857	7.9962	19.1834	0.0821	7.7979	0.0580	7.8559	2.0895	0.0539	2.1434	0.0000	7,620.4986	7,620.4986	0.3407	0.0000	7,629.0162
Waste						0.0000	0.0000		0.0000	0.0000	207.8079	0.0000	207.8079	12.2811	0.0000	514.8354
Water						0.0000	0.0000		0.0000	0.0000	29.1632	556.6420	585.8052	3.0183	0.0755	683.7567
Total	**6.8692**	**9.5223**	**30.3407**	**0.0914**	**7.7979**	**0.2260**	**8.0240**	**2.0895**	**0.2219**	**2.3114**	**236.9712**	**12,294.1807**	**12,531.1519**	**15.7904**	**0.1260**	**12,963.4751**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Village South Specific Plan (Proposed) - Los Angeles-South Coast County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	9/1/2021	10/12/2021	5	30	
2	Site Preparation	Site Preparation	10/13/2021	11/9/2021	5	20	
3	Grading	Grading	11/10/2021	1/11/2022	5	45	
4	Building Construction	Building Construction	1/12/2022	12/12/2023	5	500	
5	Paving	Paving	12/13/2023	1/30/2024	5	35	
6	Architectural Coating	Architectural Coating	1/31/2024	3/19/2024	5	35	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 112.5

Acres of Paving: 0

Residential Indoor: 2,025,000; Residential Outdoor: 675,000; Non-Residential Indoor: 326,400; Non-Residential Outdoor: 108,800; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Village South Specific Plan (Proposed) - Los Angeles-South Coast County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	458.00	10.00	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.00	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.00	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	801.00	143.00	0.00	10.00	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	160.00	0.00	0.00	10.00	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0496	0.0000	0.0496	7.5100e-003	0.0000	7.5100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0475	0.4716	0.3235	5.8000e-004		0.0233	0.0233		0.0216	0.0216	0.0000	51.0012	51.0012	0.0144	0.0000	51.3601
Total	**0.0475**	**0.4716**	**0.3235**	**5.8000e-004**	**0.0496**	**0.0233**	**0.0729**	**7.5100e-003**	**0.0216**	**0.0291**	**0.0000**	**51.0012**	**51.0012**	**0.0144**	**0.0000**	**51.3601**

3.2 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.9300e-003	0.0634	0.0148	1.8000e-004	3.9400e-003	1.9000e-004	4.1300e-003	1.0800e-003	1.8000e-004	1.2600e-003	0.0000	17.4566	17.4566	1.2100e-003	0.0000	17.4869
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.2000e-004	5.3000e-004	6.0900e-003	2.0000e-005	1.6800e-003	1.0000e-005	1.6900e-003	4.5000e-004	1.0000e-005	4.6000e-004	0.0000	1.5281	1.5281	5.0000e-005	0.0000	1.5293
Total	**2.6500e-003**	**0.0639**	**0.0209**	**2.0000e-004**	**5.6200e-003**	**2.0000e-004**	**5.8200e-003**	**1.5300e-003**	**1.9000e-004**	**1.7200e-003**	**0.0000**	**18.9847**	**18.9847**	**1.2600e-003**	**0.0000**	**19.0161**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0496	0.0000	0.0496	7.5100e-003	0.0000	7.5100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0475	0.4716	0.3235	5.8000e-004		0.0233	0.0233		0.0216	0.0216	0.0000	51.0011	51.0011	0.0144	0.0000	51.3600
Total	**0.0475**	**0.4716**	**0.3235**	**5.8000e-004**	**0.0496**	**0.0233**	**0.0729**	**7.5100e-003**	**0.0216**	**0.0291**	**0.0000**	**51.0011**	**51.0011**	**0.0144**	**0.0000**	**51.3600**

3.2 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.9300e-003	0.0634	0.0148	1.8000e-004	3.9400e-003	1.9000e-004	4.1300e-003	1.0800e-003	1.8000e-004	1.2600e-003	0.0000	17.4566	17.4566	1.2100e-003	0.0000	17.4869
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.2000e-004	5.3000e-004	6.0900e-003	2.0000e-005	1.6800e-003	1.0000e-005	1.6900e-003	4.5000e-004	1.0000e-005	4.6000e-004	0.0000	1.5281	1.5281	5.0000e-005	0.0000	1.5293
Total	**2.6500e-003**	**0.0639**	**0.0209**	**2.0000e-004**	**5.6200e-003**	**2.0000e-004**	**5.8200e-003**	**1.5300e-003**	**1.9000e-004**	**1.7200e-003**	**0.0000**	**18.9847**	**18.9847**	**1.2600e-003**	**0.0000**	**19.0161**

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1807	0.0000	0.1807	0.0993	0.0000	0.0993	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0389	0.4050	0.2115	3.8000e-004		0.0204	0.0204		0.0188	0.0188	0.0000	33.4357	33.4357	0.0108	0.0000	33.7061
Total	**0.0389**	**0.4050**	**0.2115**	**3.8000e-004**	**0.1807**	**0.0204**	**0.2011**	**0.0993**	**0.0188**	**0.1181**	**0.0000**	**33.4357**	**33.4357**	**0.0108**	**0.0000**	**33.7061**

3.3 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.8000e-004	4.3000e-004	4.8700e-003	1.0000e-005	1.3400e-003	1.0000e-005	1.3500e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.2225	1.2225	4.0000e-005	0.0000	1.2234
Total	**5.8000e-004**	**4.3000e-004**	**4.8700e-003**	**1.0000e-005**	**1.3400e-003**	**1.0000e-005**	**1.3500e-003**	**3.6000e-004**	**1.0000e-005**	**3.7000e-004**	**0.0000**	**1.2225**	**1.2225**	**4.0000e-005**	**0.0000**	**1.2234**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1807	0.0000	0.1807	0.0993	0.0000	0.0993	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0389	0.4050	0.2115	3.8000e-004		0.0204	0.0204		0.0188	0.0188	0.0000	33.4357	33.4357	0.0108	0.0000	33.7060
Total	**0.0389**	**0.4050**	**0.2115**	**3.8000e-004**	**0.1807**	**0.0204**	**0.2011**	**0.0993**	**0.0188**	**0.1181**	**0.0000**	**33.4357**	**33.4357**	**0.0108**	**0.0000**	**33.7060**

3.3 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.8000e-004	4.3000e-004	4.8700e-003	1.0000e-005	1.3400e-003	1.0000e-005	1.3500e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.2225	1.2225	4.0000e-005	0.0000	1.2234
Total	**5.8000e-004**	**4.3000e-004**	**4.8700e-003**	**1.0000e-005**	**1.3400e-003**	**1.0000e-005**	**1.3500e-003**	**3.6000e-004**	**1.0000e-005**	**3.7000e-004**	**0.0000**	**1.2225**	**1.2225**	**4.0000e-005**	**0.0000**	**1.2234**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1741	0.0000	0.1741	0.0693	0.0000	0.0693	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0796	0.8816	0.5867	1.1800e-003		0.0377	0.0377		0.0347	0.0347	0.0000	103.5405	103.5405	0.0335	0.0000	104.3776
Total	**0.0796**	**0.8816**	**0.5867**	**1.1800e-003**	**0.1741**	**0.0377**	**0.2118**	**0.0693**	**0.0347**	**0.1040**	**0.0000**	**103.5405**	**103.5405**	**0.0335**	**0.0000**	**104.3776**

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2200e-003	9.0000e-004	0.0103	3.0000e-005	2.8300e-003	2.0000e-005	2.8600e-003	7.5000e-004	2.0000e-005	7.8000e-004	0.0000	2.5808	2.5808	8.0000e-005	0.0000	2.5828
Total	**1.2200e-003**	**9.0000e-004**	**0.0103**	**3.0000e-005**	**2.8300e-003**	**2.0000e-005**	**2.8600e-003**	**7.5000e-004**	**2.0000e-005**	**7.8000e-004**	**0.0000**	**2.5808**	**2.5808**	**8.0000e-005**	**0.0000**	**2.5828**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1741	0.0000	0.1741	0.0693	0.0000	0.0693	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0796	0.8816	0.5867	1.1800e-003		0.0377	0.0377		0.0347	0.0347	0.0000	103.5403	103.5403	0.0335	0.0000	104.3775
Total	**0.0796**	**0.8816**	**0.5867**	**1.1800e-003**	**0.1741**	**0.0377**	**0.2118**	**0.0693**	**0.0347**	**0.1040**	**0.0000**	**103.5403**	**103.5403**	**0.0335**	**0.0000**	**104.3775**

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2200e-003	9.0000e-004	0.0103	3.0000e-005	2.8300e-003	2.0000e-005	2.8600e-003	7.5000e-004	2.0000e-005	7.8000e-004	0.0000	2.5808	2.5808	8.0000e-005	0.0000	2.5828
Total	**1.2200e-003**	**9.0000e-004**	**0.0103**	**3.0000e-005**	**2.8300e-003**	**2.0000e-005**	**2.8600e-003**	**7.5000e-004**	**2.0000e-005**	**7.8000e-004**	**0.0000**	**2.5808**	**2.5808**	**8.0000e-005**	**0.0000**	**2.5828**

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0807	0.0000	0.0807	0.0180	0.0000	0.0180	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0127	0.1360	0.1017	2.2000e-004		5.7200e-003	5.7200e-003		5.2600e-003	5.2600e-003	0.0000	19.0871	19.0871	6.1700e-003	0.0000	19.2414
Total	**0.0127**	**0.1360**	**0.1017**	**2.2000e-004**	**0.0807**	**5.7200e-003**	**0.0865**	**0.0180**	**5.2600e-003**	**0.0233**	**0.0000**	**19.0871**	**19.0871**	**6.1700e-003**	**0.0000**	**19.2414**

3.4 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1000e-004	1.5000e-004	1.7400e-003	1.0000e-005	5.2000e-004	0.0000	5.3000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.4587	0.4587	1.0000e-005	0.0000	0.4590
Total	**2.1000e-004**	**1.5000e-004**	**1.7400e-003**	**1.0000e-005**	**5.2000e-004**	**0.0000**	**5.3000e-004**	**1.4000e-004**	**0.0000**	**1.4000e-004**	**0.0000**	**0.4587**	**0.4587**	**1.0000e-005**	**0.0000**	**0.4590**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0807	0.0000	0.0807	0.0180	0.0000	0.0180	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0127	0.1360	0.1017	2.2000e-004		5.7200e-003	5.7200e-003		5.2600e-003	5.2600e-003	0.0000	19.0871	19.0871	6.1700e-003	0.0000	19.2414
Total	**0.0127**	**0.1360**	**0.1017**	**2.2000e-004**	**0.0807**	**5.7200e-003**	**0.0865**	**0.0180**	**5.2600e-003**	**0.0233**	**0.0000**	**19.0871**	**19.0871**	**6.1700e-003**	**0.0000**	**19.2414**

3.4 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1000e-004	1.5000e-004	1.7400e-003	1.0000e-005	5.2000e-004	0.0000	5.3000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.4587	0.4587	1.0000e-005	0.0000	0.4590
Total	**2.1000e-004**	**1.5000e-004**	**1.7400e-003**	**1.0000e-005**	**5.2000e-004**	**0.0000**	**5.3000e-004**	**1.4000e-004**	**0.0000**	**1.4000e-004**	**0.0000**	**0.4587**	**0.4587**	**1.0000e-005**	**0.0000**	**0.4590**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2158	1.9754	2.0700	3.4100e-003		0.1023	0.1023		0.0963	0.0963	0.0000	293.1324	293.1324	0.0702	0.0000	294.8881
Total	**0.2158**	**1.9754**	**2.0700**	**3.4100e-003**		**0.1023**	**0.1023**		**0.0963**	**0.0963**	**0.0000**	**293.1324**	**293.1324**	**0.0702**	**0.0000**	**294.8881**

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0527	1.6961	0.4580	4.5500e-003	0.1140	3.1800e-003	0.1171	0.0329	3.0400e-003	0.0359	0.0000	441.9835	441.9835	0.0264	0.0000	442.6435
Worker	0.3051	0.2164	2.5233	7.3500e-003	0.7557	6.2300e-003	0.7619	0.2007	5.7400e-003	0.2065	0.0000	663.9936	663.9936	0.0187	0.0000	664.4604
Total	**0.3578**	**1.9125**	**2.9812**	**0.0119**	**0.8696**	**9.4100e-003**	**0.8790**	**0.2336**	**8.7800e-003**	**0.2424**	**0.0000**	**1,105.9771**	**1,105.9771**	**0.0451**	**0.0000**	**1,107.1039**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2158	1.9754	2.0700	3.4100e-003		0.1023	0.1023		0.0963	0.0963	0.0000	293.1321	293.1321	0.0702	0.0000	294.8877
Total	**0.2158**	**1.9754**	**2.0700**	**3.4100e-003**		**0.1023**	**0.1023**		**0.0963**	**0.0963**	**0.0000**	**293.1321**	**293.1321**	**0.0702**	**0.0000**	**294.8877**

3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0527	1.6961	0.4580	4.5500e-003	0.1140	3.1800e-003	0.1171	0.0329	3.0400e-003	0.0359	0.0000	441.9835	441.9835	0.0264	0.0000	442.6435
Worker	0.3051	0.2164	2.5233	7.3500e-003	0.7557	6.2300e-003	0.7619	0.2007	5.7400e-003	0.2065	0.0000	663.9936	663.9936	0.0187	0.0000	664.4604
Total	**0.3578**	**1.9125**	**2.9812**	**0.0119**	**0.8696**	**9.4100e-003**	**0.8790**	**0.2336**	**8.7800e-003**	**0.2424**	**0.0000**	**1,105.9771**	**1,105.9771**	**0.0451**	**0.0000**	**1,107.1039**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1942	1.7765	2.0061	3.3300e-003		0.0864	0.0864		0.0813	0.0813	0.0000	286.2789	286.2789	0.0681	0.0000	287.9814
Total	**0.1942**	**1.7765**	**2.0061**	**3.3300e-003**		**0.0864**	**0.0864**		**0.0813**	**0.0813**	**0.0000**	**286.2789**	**286.2789**	**0.0681**	**0.0000**	**287.9814**

3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0382	1.2511	0.4011	4.3000e-003	0.1113	1.4600e-003	0.1127	0.0321	1.4000e-003	0.0335	0.0000	417.9930	417.9930	0.0228	0.0000	418.5624
Worker	0.2795	0.1910	2.2635	6.9100e-003	0.7377	5.9100e-003	0.7436	0.1960	5.4500e-003	0.2014	0.0000	624.5363	624.5363	0.0164	0.0000	624.9466
Total	**0.3177**	**1.4420**	**2.6646**	**0.0112**	**0.8490**	**7.3700e-003**	**0.8564**	**0.2281**	**6.8500e-003**	**0.2349**	**0.0000**	**1,042.5294**	**1,042.5294**	**0.0392**	**0.0000**	**1,043.5090**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1942	1.7765	2.0061	3.3300e-003		0.0864	0.0864		0.0813	0.0813	0.0000	286.2785	286.2785	0.0681	0.0000	287.9811
Total	**0.1942**	**1.7765**	**2.0061**	**3.3300e-003**		**0.0864**	**0.0864**		**0.0813**	**0.0813**	**0.0000**	**286.2785**	**286.2785**	**0.0681**	**0.0000**	**287.9811**

3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0382	1.2511	0.4011	4.3000e-003	0.1113	1.4600e-003	0.1127	0.0321	1.4000e-003	0.0335	0.0000	417.9930	417.9930	0.0228	0.0000	418.5624
Worker	0.2795	0.1910	2.2635	6.9100e-003	0.7377	5.9100e-003	0.7436	0.1960	5.4500e-003	0.2014	0.0000	624.5363	624.5363	0.0164	0.0000	624.9466
Total	**0.3177**	**1.4420**	**2.6646**	**0.0112**	**0.8490**	**7.3700e-003**	**0.8564**	**0.2281**	**6.8500e-003**	**0.2349**	**0.0000**	**1,042.5294**	**1,042.5294**	**0.0392**	**0.0000**	**1,043.5090**

3.6 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.7100e-003	0.0663	0.0948	1.5000e-004		3.3200e-003	3.3200e-003		3.0500e-003	3.0500e-003	0.0000	13.0175	13.0175	4.2100e-003	0.0000	13.1227
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.7100e-003**	**0.0663**	**0.0948**	**1.5000e-004**		**3.3200e-003**	**3.3200e-003**		**3.0500e-003**	**3.0500e-003**	**0.0000**	**13.0175**	**13.0175**	**4.2100e-003**	**0.0000**	**13.1227**

3.6 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-004	1.9000e-004	2.2300e-003	1.0000e-005	7.3000e-004	1.0000e-005	7.3000e-004	1.9000e-004	1.0000e-005	2.0000e-004	0.0000	0.6156	0.6156	2.0000e-005	0.0000	0.6160
Total	**2.8000e-004**	**1.9000e-004**	**2.2300e-003**	**1.0000e-005**	**7.3000e-004**	**1.0000e-005**	**7.3000e-004**	**1.9000e-004**	**1.0000e-005**	**2.0000e-004**	**0.0000**	**0.6156**	**0.6156**	**2.0000e-005**	**0.0000**	**0.6160**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.7100e-003	0.0663	0.0948	1.5000e-004		3.3200e-003	3.3200e-003		3.0500e-003	3.0500e-003	0.0000	13.0175	13.0175	4.2100e-003	0.0000	13.1227
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.7100e-003**	**0.0663**	**0.0948**	**1.5000e-004**		**3.3200e-003**	**3.3200e-003**		**3.0500e-003**	**3.0500e-003**	**0.0000**	**13.0175**	**13.0175**	**4.2100e-003**	**0.0000**	**13.1227**

3.6 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-004	1.9000e-004	2.2300e-003	1.0000e-005	7.3000e-004	1.0000e-005	7.3000e-004	1.9000e-004	1.0000e-005	2.0000e-004	0.0000	0.6156	0.6156	2.0000e-005	0.0000	0.6160
Total	**2.8000e-004**	**1.9000e-004**	**2.2300e-003**	**1.0000e-005**	**7.3000e-004**	**1.0000e-005**	**7.3000e-004**	**1.9000e-004**	**1.0000e-005**	**2.0000e-004**	**0.0000**	**0.6156**	**0.6156**	**2.0000e-005**	**0.0000**	**0.6160**

3.6 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0109	0.1048	0.1609	2.5000e-004		5.1500e-003	5.1500e-003		4.7400e-003	4.7400e-003	0.0000	22.0292	22.0292	7.1200e-003	0.0000	22.2073
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0109**	**0.1048**	**0.1609**	**2.5000e-004**		**5.1500e-003**	**5.1500e-003**		**4.7400e-003**	**4.7400e-003**	**0.0000**	**22.0292**	**22.0292**	**7.1200e-003**	**0.0000**	**22.2073**

3.6 Paving - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.4000e-004	2.9000e-004	3.5100e-003	1.0000e-005	1.2300e-003	1.0000e-005	1.2400e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	1.0094	1.0094	3.0000e-005	0.0000	1.0100
Total	**4.4000e-004**	**2.9000e-004**	**3.5100e-003**	**1.0000e-005**	**1.2300e-003**	**1.0000e-005**	**1.2400e-003**	**3.3000e-004**	**1.0000e-005**	**3.4000e-004**	**0.0000**	**1.0094**	**1.0094**	**3.0000e-005**	**0.0000**	**1.0100**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0109	0.1048	0.1609	2.5000e-004		5.1500e-003	5.1500e-003		4.7400e-003	4.7400e-003	0.0000	22.0292	22.0292	7.1200e-003	0.0000	22.2073
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0109**	**0.1048**	**0.1609**	**2.5000e-004**		**5.1500e-003**	**5.1500e-003**		**4.7400e-003**	**4.7400e-003**	**0.0000**	**22.0292**	**22.0292**	**7.1200e-003**	**0.0000**	**22.2073**

3.6 Paving - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.4000e-004	2.9000e-004	3.5100e-003	1.0000e-005	1.2300e-003	1.0000e-005	1.2400e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	1.0094	1.0094	3.0000e-005	0.0000	1.0100
Total	**4.4000e-004**	**2.9000e-004**	**3.5100e-003**	**1.0000e-005**	**1.2300e-003**	**1.0000e-005**	**1.2400e-003**	**3.3000e-004**	**1.0000e-005**	**3.4000e-004**	**0.0000**	**1.0094**	**1.0094**	**3.0000e-005**	**0.0000**	**1.0100**

3.7 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	4.1372					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.1600e-003	0.0213	0.0317	5.0000e-005		1.0700e-003	1.0700e-003		1.0700e-003	1.0700e-003	0.0000	4.4682	4.4682	2.5000e-004	0.0000	4.4745
Total	**4.1404**	**0.0213**	**0.0317**	**5.0000e-005**		**1.0700e-003**	**1.0700e-003**		**1.0700e-003**	**1.0700e-003**	**0.0000**	**4.4682**	**4.4682**	**2.5000e-004**	**0.0000**	**4.4745**

3.7 Architectural Coating - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.4800e-003	4.9300e-003	0.0596	1.9000e-004	0.0209	1.6000e-004	0.0211	5.5500e-003	1.5000e-004	5.7000e-003	0.0000	17.1287	17.1287	4.3000e-004	0.0000	17.1394
Total	**7.4800e-003**	**4.9300e-003**	**0.0596**	**1.9000e-004**	**0.0209**	**1.6000e-004**	**0.0211**	**5.5500e-003**	**1.5000e-004**	**5.7000e-003**	**0.0000**	**17.1287**	**17.1287**	**4.3000e-004**	**0.0000**	**17.1394**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	4.1372					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.1600e-003	0.0213	0.0317	5.0000e-005		1.0700e-003	1.0700e-003		1.0700e-003	1.0700e-003	0.0000	4.4682	4.4682	2.5000e-004	0.0000	4.4745
Total	**4.1404**	**0.0213**	**0.0317**	**5.0000e-005**		**1.0700e-003**	**1.0700e-003**		**1.0700e-003**	**1.0700e-003**	**0.0000**	**4.4682**	**4.4682**	**2.5000e-004**	**0.0000**	**4.4745**

3.7 Architectural Coating - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.4800e-003	4.9300e-003	0.0596	1.9000e-004	0.0209	1.6000e-004	0.0211	5.5500e-003	1.5000e-004	5.7000e-003	0.0000	17.1287	17.1287	4.3000e-004	0.0000	17.1394
Total	**7.4800e-003**	**4.9300e-003**	**0.0596**	**1.9000e-004**	**0.0209**	**1.6000e-004**	**0.0211**	**5.5500e-003**	**1.5000e-004**	**5.7000e-003**	**0.0000**	**17.1287**	**17.1287**	**4.3000e-004**	**0.0000**	**17.1394**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.5857	7.9962	19.1834	0.0821	7.7979	0.0580	7.8559	2.0895	0.0539	2.1434	0.0000	7,620.4986	7,620.4986	0.3407	0.0000	7,629.0162
Unmitigated	1.5857	7.9962	19.1834	0.0821	7.7979	0.0580	7.8559	2.0895	0.0539	2.1434	0.0000	7,620.4986	7,620.4986	0.3407	0.0000	7,629.0162

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	145.75	154.25	154.00	506,227	506,227
Apartments Mid Rise	4,026.75	3,773.25	4075.50	13,660,065	13,660,065
General Office Building	288.45	62.55	31.05	706,812	706,812
High Turnover (Sit Down Restaurant)	2,368.80	2,873.52	2817.72	3,413,937	3,413,937
Hotel	192.00	187.50	160.00	445,703	445,703
Quality Restaurant	501.12	511.92	461.20	707,488	707,488
Regional Shopping Center	528.08	601.44	357.84	1,112,221	1,112,221
Total	8,050.95	8,164.43	8,057.31	20,552,452	20,552,452

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Quality Restaurant	16.60	8.40	6.90	12.00	69.00	19.00	38	18	44
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Apartments Mid Rise	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
General Office Building	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
High Turnover (Sit Down Restaurant)	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Hotel	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Quality Restaurant	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Regional Shopping Center	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Village South Specific Plan (Proposed) - Los Angeles-South Coast County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	2,512.6465	2,512.6465	0.1037	0.0215	2,521.6356
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	2,512.6465	2,512.6465	0.1037	0.0215	2,521.6356
NaturalGas Mitigated	0.1398	1.2312	0.7770	7.6200e-003		0.0966	0.0966		0.0966	0.0966	0.0000	1,383.4267	1,383.4267	0.0265	0.0254	1,391.6478
NaturalGas Unmitigated	0.1398	1.2312	0.7770	7.6200e-003		0.0966	0.0966		0.0966	0.0966	0.0000	1,383.4267	1,383.4267	0.0265	0.0254	1,391.6478

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	408494	2.2000e-003	0.0188	8.0100e-003	1.2000e-004		1.5200e-003	1.5200e-003		1.5200e-003	1.5200e-003	0.0000	21.7988	21.7988	4.2000e-004	4.0000e-004	21.9284
Apartments Mid Rise	1.30613e+007	0.0704	0.6018	0.2561	3.8400e-003		0.0487	0.0487		0.0487	0.0487	0.0000	696.9989	696.9989	0.0134	0.0128	701.1408
General Office Building	468450	2.5300e-003	0.0230	0.0193	1.4000e-004		1.7500e-003	1.7500e-003		1.7500e-003	1.7500e-003	0.0000	24.9983	24.9983	4.8000e-004	4.6000e-004	25.1468
High Turnover (Sit Down Restaurant)	8.30736e+006	0.0448	0.4072	0.3421	2.4400e-003		0.0310	0.0310		0.0310	0.0310	0.0000	443.3124	443.3124	8.5000e-003	8.1300e-003	445.9468
Hotel	1.74095e+006	9.3900e-003	0.0853	0.0717	5.1000e-004		6.4900e-003	6.4900e-003		6.4900e-003	6.4900e-003	0.0000	92.9036	92.9036	1.7800e-003	1.7000e-003	93.4557
Quality Restaurant	1.84608e+006	9.9500e-003	0.0905	0.0760	5.4000e-004		6.8800e-003	6.8800e-003		6.8800e-003	6.8800e-003	0.0000	98.5139	98.5139	1.8900e-003	1.8100e-003	99.0993
Regional Shopping Center	91840	5.0000e-004	4.5000e-003	3.7800e-003	3.0000e-005		3.4000e-004	3.4000e-004		3.4000e-004	3.4000e-004	0.0000	4.9009	4.9009	9.0000e-005	9.0000e-005	4.9301
Total		**0.1398**	**1.2312**	**0.7770**	**7.6200e-003**		**0.0966**	**0.0966**		**0.0966**	**0.0966**	**0.0000**	**1,383.4268**	**1,383.4268**	**0.0265**	**0.0254**	**1,391.6478**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	408494	2.2000e-003	0.0188	8.0100e-003	1.2000e-004		1.5200e-003	1.5200e-003		1.5200e-003	1.5200e-003	0.0000	21.7988	21.7988	4.2000e-004	4.0000e-004	21.9284
Apartments Mid Rise	1.30613e+007	0.0704	0.6018	0.2561	3.8400e-003		0.0487	0.0487		0.0487	0.0487	0.0000	696.9989	696.9989	0.0134	0.0128	701.1408
General Office Building	468450	2.5300e-003	0.0230	0.0193	1.4000e-004		1.7500e-003	1.7500e-003		1.7500e-003	1.7500e-003	0.0000	24.9983	24.9983	4.8000e-004	4.6000e-004	25.1468
High Turnover (Sit Down Restaurant)	8.30736e+006	0.0448	0.4072	0.3421	2.4400e-003		0.0310	0.0310		0.0310	0.0310	0.0000	443.3124	443.3124	8.5000e-003	8.1300e-003	445.9468
Hotel	1.74095e+006	9.3900e-003	0.0853	0.0717	5.1000e-004		6.4900e-003	6.4900e-003		6.4900e-003	6.4900e-003	0.0000	92.9036	92.9036	1.7800e-003	1.7000e-003	93.4557
Quality Restaurant	1.84608e+006	9.9500e-003	0.0905	0.0760	5.4000e-004		6.8800e-003	6.8800e-003		6.8800e-003	6.8800e-003	0.0000	98.5139	98.5139	1.8900e-003	1.8100e-003	99.0993
Regional Shopping Center	91840	5.0000e-004	4.5000e-003	3.7800e-003	3.0000e-005		3.4000e-004	3.4000e-004		3.4000e-004	3.4000e-004	0.0000	4.9009	4.9009	9.0000e-005	9.0000e-005	4.9301
Total		**0.1398**	**1.2312**	**0.7770**	**7.6200e-003**		**0.0966**	**0.0966**		**0.0966**	**0.0966**	**0.0000**	**1,383.4268**	**1,383.4268**	**0.0265**	**0.0254**	**1,391.6478**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	106010	33.7770	1.3900e-003	2.9000e-004	33.8978
Apartments Mid Rise	3.94697e+006	1,257.5879	0.0519	0.0107	1,262.0869
General Office Building	584550	186.2502	7.6900e-003	1.5900e-003	186.9165
High Turnover (Sit Down Restaurant)	1.58904e+006	506.3022	0.0209	4.3200e-003	508.1135
Hotel	550308	175.3399	7.2400e-003	1.5000e-003	175.9672
Quality Restaurant	353120	112.5116	4.6500e-003	9.6000e-004	112.9141
Regional Shopping Center	756000	240.8778	9.9400e-003	2.0600e-003	241.7395
Total		**2,512.6465**	**0.1037**	**0.0215**	**2,521.6356**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	106010	33.7770	1.3900e-003	2.9000e-004	33.8978
Apartments Mid Rise	3.94697e+006	1,257.5879	0.0519	0.0107	1,262.0869
General Office Building	584550	186.2502	7.6900e-003	1.5900e-003	186.9165
High Turnover (Sit Down Restaurant)	1.58904e+006	506.3022	0.0209	4.3200e-003	508.1135
Hotel	550308	175.3399	7.2400e-003	1.5000e-003	175.9672
Quality Restaurant	353120	112.5116	4.6500e-003	9.6000e-004	112.9141
Regional Shopping Center	756000	240.8778	9.9400e-003	2.0600e-003	241.7395
Total		**2,512.6465**	**0.1037**	**0.0215**	**2,521.6356**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	5.1437	0.2950	10.3804	1.6700e-003		0.0714	0.0714		0.0714	0.0714	0.0000	220.9670	220.9670	0.0201	3.7400e-003	222.5835
Unmitigated	5.1437	0.2950	10.3804	1.6700e-003		0.0714	0.0714		0.0714	0.0714	0.0000	220.9670	220.9670	0.0201	3.7400e-003	222.5835

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.4137					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.3998					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0206	0.1763	0.0750	1.1200e-003		0.0143	0.0143		0.0143	0.0143	0.0000	204.1166	204.1166	3.9100e-003	3.7400e-003	205.3295
Landscaping	0.3096	0.1187	10.3054	5.4000e-004		0.0572	0.0572		0.0572	0.0572	0.0000	16.8504	16.8504	0.0161	0.0000	17.2540
Total	**5.1437**	**0.2950**	**10.3804**	**1.6600e-003**		**0.0714**	**0.0714**		**0.0714**	**0.0714**	**0.0000**	**220.9670**	**220.9670**	**0.0201**	**3.7400e-003**	**222.5835**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.4137					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.3998					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0206	0.1763	0.0750	1.1200e-003		0.0143	0.0143		0.0143	0.0143	0.0000	204.1166	204.1166	3.9100e-003	3.7400e-003	205.3295
Landscaping	0.3096	0.1187	10.3054	5.4000e-004		0.0572	0.0572		0.0572	0.0572	0.0000	16.8504	16.8504	0.0161	0.0000	17.2540
Total	**5.1437**	**0.2950**	**10.3804**	**1.6600e-003**		**0.0714**	**0.0714**		**0.0714**	**0.0714**	**0.0000**	**220.9670**	**220.9670**	**0.0201**	**3.7400e-003**	**222.5835**

7.0 Water Detail

7.1 Mitigation Measures Water

Village South Specific Plan (Proposed) - Los Angeles-South Coast County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	585.8052	3.0183	0.0755	683.7567
Unmitigated	585.8052	3.0183	0.0755	683.7567

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	1.62885 / 1.02688	10.9095	0.0535	1.3400e-003	12.6471
Apartments Mid Rise	63.5252 / 40.0485	425.4719	2.0867	0.0523	493.2363
General Office Building	7.99802 / 4.90201	53.0719	0.2627	6.5900e-003	61.6019
High Turnover (Sit Down Restaurant)	10.9272 / 0.697482	51.2702	0.3580	8.8200e-003	62.8482
Hotel	1.26834 / 0.140927	6.1633	0.0416	1.0300e-003	7.5079
Quality Restaurant	2.42827 / 0.154996	11.3934	0.0796	1.9600e-003	13.9663
Regional Shopping Center	4.14806 / 2.54236	27.5250	0.1363	3.4200e-003	31.9490
Total		**585.8052**	**3.0183**	**0.0755**	**683.7567**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	1.62885 / 1.02688	10.9095	0.0535	1.3400e-003	12.6471
Apartments Mid Rise	63.5252 / 40.0485	425.4719	2.0867	0.0523	493.2363
General Office Building	7.99802 / 4.90201	53.0719	0.2627	6.5900e-003	61.6019
High Turnover (Sit Down Restaurant)	10.9272 / 0.697482	51.2702	0.3580	8.8200e-003	62.8482
Hotel	1.26834 / 0.140927	6.1633	0.0416	1.0300e-003	7.5079
Quality Restaurant	2.42827 / 0.154996	11.3934	0.0796	1.9600e-003	13.9663
Regional Shopping Center	4.14806 / 2.54236	27.5250	0.1363	3.4200e-003	31.9490
Total		**585.8052**	**3.0183**	**0.0755**	**683.7567**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	207.8079	12.2811	0.0000	514.8354
Unmitigated	207.8079	12.2811	0.0000	514.8354

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	11.5	2.3344	0.1380	0.0000	5.7834
Apartments Mid Rise	448.5	91.0415	5.3804	0.0000	225.5513
General Office Building	41.85	8.4952	0.5021	0.0000	21.0464
High Turnover (Sit Down Restaurant)	428.4	86.9613	5.1393	0.0000	215.4430
Hotel	27.38	5.5579	0.3285	0.0000	13.7694
Quality Restaurant	7.3	1.4818	0.0876	0.0000	3.6712
Regional Shopping Center	58.8	11.9359	0.7054	0.0000	29.5706
Total		**207.8079**	**12.2811**	**0.0000**	**514.8354**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	11.5	2.3344	0.1380	0.0000	5.7834
Apartments Mid Rise	448.5	91.0415	5.3804	0.0000	225.5513
General Office Building	41.85	8.4952	0.5021	0.0000	21.0464
High Turnover (Sit Down Restaurant)	428.4	86.9613	5.1393	0.0000	215.4430
Hotel	27.38	5.5579	0.3285	0.0000	13.7694
Quality Restaurant	7.3	1.4818	0.0876	0.0000	3.6712
Regional Shopping Center	58.8	11.9359	0.7054	0.0000	29.5706
Total		**207.8079**	**12.2811**	**0.0000**	**514.8354**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Village South Specific Plan (Proposed)

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	45.00	1000sqft	1.03	45,000.00	0
High Turnover (Sit Down Restaurant)	36.00	1000sqft	0.83	36,000.00	0
Hotel	50.00	Room	1.67	72,600.00	0
Quality Restaurant	8.00	1000sqft	0.18	8,000.00	0
Apartments Low Rise	25.00	Dwelling Unit	1.56	25,000.00	72
Apartments Mid Rise	975.00	Dwelling Unit	25.66	975,000.00	2789
Regional Shopping Center	56.00	1000sqft	1.29	56,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2028
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Village South Specific Plan (Proposed) - Los Angeles-South Coast County, Summer

Project Characteristics - Consistent with the DEIR's model.

Land Use - See SWAPE comment regarding residential and retail land uses.

Construction Phase - See SWAPE comment regarding individual construction phase lengths.

Demolition - Consistent with the DEIR's model. See SWAPE comment regarding demolition.

Vehicle Trips - Saturday trips consistent with the DEIR's model. See SWAPE comment regarding weekday and Sunday trips.

Woodstoves - Woodstoves and wood-burning fireplaces consistent with the DEIR's model. See SWAPE comment regarding gas fireplaces.

Energy Use -

Construction Off-road Equipment Mitigation - See SWAPE comment on construction-related mitigation.

Area Mitigation - See SWAPE comment regarding operational mitigation measures.

Water Mitigation - See SWAPE comment regarding operational mitigation measures.

Trips and VMT - Local hire provision

Table Name	Column Name	Default Value	New Value
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberWood	1.25	0.00
tblFireplaces	NumberWood	48.75	0.00
tblTripsAndVMT	WorkerTripLength	14.70	10.00
tblTripsAndVMT	WorkerTripLength	14.70	10.00
tblTripsAndVMT	WorkerTripLength	14.70	10.00
tblTripsAndVMT	WorkerTripLength	14.70	10.00
tblTripsAndVMT	WorkerTripLength	14.70	10.00
tblTripsAndVMT	WorkerTripLength	14.70	10.00
tblVehicleTrips	ST_TR	7.16	6.17
tblVehicleTrips	ST_TR	6.39	3.87
tblVehicleTrips	ST_TR	2.46	1.39
tblVehicleTrips	ST_TR	158.37	79.82

tblVehicleTrips	ST_TR	8.19	3.75
tblVehicleTrips	ST_TR	94.36	63.99
tblVehicleTrips	ST_TR	49.97	10.74
tblVehicleTrips	SU_TR	6.07	6.16
tblVehicleTrips	SU_TR	5.86	4.18
tblVehicleTrips	SU_TR	1.05	0.69
tblVehicleTrips	SU_TR	131.84	78.27
tblVehicleTrips	SU_TR	5.95	3.20
tblVehicleTrips	SU_TR	72.16	57.65
tblVehicleTrips	SU_TR	25.24	6.39
tblVehicleTrips	WD_TR	6.59	5.83
tblVehicleTrips	WD_TR	6.65	4.13
tblVehicleTrips	WD_TR	11.03	6.41
tblVehicleTrips	WD_TR	127.15	65.80
tblVehicleTrips	WD_TR	8.17	3.84
tblVehicleTrips	WD_TR	89.95	62.64
tblVehicleTrips	WD_TR	42.70	9.43
tblWoodstoves	NumberCatalytic	1.25	0.00
tblWoodstoves	NumberCatalytic	48.75	0.00
tblWoodstoves	NumberNoncatalytic	1.25	0.00
tblWoodstoves	NumberNoncatalytic	48.75	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	4.2561	46.4415	31.4494	0.0636	18.2032	2.0456	20.2488	9.9670	1.8820	11.8490	0.0000	6,163.4166	6,163.4166	1.9475	0.0000	6,212.1039
2022	4.5441	38.8811	40.8776	0.1240	8.8255	1.6361	10.4616	3.6369	1.5052	5.1421	0.0000	12,493.4403	12,493.4403	1.9485	0.0000	12,518.5707
2023	4.1534	25.7658	38.7457	0.1206	7.0088	0.7592	7.7679	1.8799	0.7136	2.5935	0.0000	12,150.4890	12,150.4890	0.9589	0.0000	12,174.4615
2024	237.0219	9.5478	14.9642	0.0239	1.2171	0.4694	1.2875	0.3229	0.4319	0.4621	0.0000	2,313.1808	2,313.1808	0.7166	0.0000	2,331.0956
Maximum	**237.0219**	**46.4415**	**40.8776**	**0.1240**	**18.2032**	**2.0456**	**20.2488**	**9.9670**	**1.8820**	**11.8490**	**0.0000**	**12,493.4403**	**12,493.4403**	**1.9485**	**0.0000**	**12,518.5707**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	4.2561	46.4415	31.4494	0.0636	18.2032	2.0456	20.2488	9.9670	1.8820	11.8490	0.0000	6,163.4166	6,163.4166	1.9475	0.0000	6,212.1039
2022	4.5441	38.8811	40.8776	0.1240	8.8255	1.6361	10.4616	3.6369	1.5052	5.1421	0.0000	12,493.4403	12,493.4403	1.9485	0.0000	12,518.5707
2023	4.1534	25.7658	38.7457	0.1206	7.0088	0.7592	7.7679	1.8799	0.7136	2.5935	0.0000	12,150.4890	12,150.4890	0.9589	0.0000	12,174.4615
2024	237.0219	9.5478	14.9642	0.0239	1.2171	0.4694	1.2875	0.3229	0.4319	0.4621	0.0000	2,313.1808	2,313.1808	0.7166	0.0000	2,331.0955
Maximum	**237.0219**	**46.4415**	**40.8776**	**0.1240**	**18.2032**	**2.0456**	**20.2488**	**9.9670**	**1.8820**	**11.8490**	**0.0000**	**12,493.4403**	**12,493.4403**	**1.9485**	**0.0000**	**12,518.5707**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	30.5020	15.0496	88.4430	0.0944		1.5974	1.5974		1.5974	1.5974	0.0000	18,148.5950	18,148.5950	0.4874	0.3300	18,259.1192
Energy	0.7660	6.7462	4.2573	0.0418		0.5292	0.5292		0.5292	0.5292		8,355.9832	8,355.9832	0.1602	0.1532	8,405.6387
Mobile	9.8489	45.4304	114.8495	0.4917	45.9592	0.3360	46.2951	12.2950	0.3119	12.6070		50,306.6034	50,306.6034	2.1807		50,361.1208
Total	**41.1168**	**67.2262**	**207.5497**	**0.6278**	**45.9592**	**2.4626**	**48.4217**	**12.2950**	**2.4385**	**14.7336**	**0.0000**	**76,811.1816**	**76,811.1816**	**2.8282**	**0.4832**	**77,025.8786**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	30.5020	15.0496	88.4430	0.0944		1.5974	1.5974		1.5974	1.5974	0.0000	18,148.5950	18,148.5950	0.4874	0.3300	18,259.1192
Energy	0.7660	6.7462	4.2573	0.0418		0.5292	0.5292		0.5292	0.5292		8,355.9832	8,355.9832	0.1602	0.1532	8,405.6387
Mobile	9.8489	45.4304	114.8495	0.4917	45.9592	0.3360	46.2951	12.2950	0.3119	12.6070		50,306.6034	50,306.6034	2.1807		50,361.1208
Total	**41.1168**	**67.2262**	**207.5497**	**0.6278**	**45.9592**	**2.4626**	**48.4217**	**12.2950**	**2.4385**	**14.7336**	**0.0000**	**76,811.1816**	**76,811.1816**	**2.8282**	**0.4832**	**77,025.8786**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	9/1/2021	10/12/2021	5	30	
2	Site Preparation	Site Preparation	10/13/2021	11/9/2021	5	20	
3	Grading	Grading	11/10/2021	1/11/2022	5	45	
4	Building Construction	Building Construction	1/12/2022	12/12/2023	5	500	
5	Paving	Paving	12/13/2023	1/30/2024	5	35	
6	Architectural Coating	Architectural Coating	1/31/2024	3/19/2024	5	35	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 112.5

Acres of Paving: 0

Residential Indoor: 2,025,000; Residential Outdoor: 675,000; Non-Residential Indoor: 326,400; Non-Residential Outdoor: 108,800; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Village South Specific Plan (Proposed) - Los Angeles-South Coast County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	458.00	10.00	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.00	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.00	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	801.00	143.00	0.00	10.00	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	160.00	0.00	0.00	10.00	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.3074	0.0000	3.3074	0.5008	0.0000	0.5008			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**	**3.3074**	**1.5513**	**4.8588**	**0.5008**	**1.4411**	**1.9419**		**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.2 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1273	4.0952	0.9602	0.0119	0.2669	0.0126	0.2795	0.0732	0.0120	0.0852		1,292.2413	1,292.2413	0.0877		1,294.4337
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0487	0.0313	0.4282	1.1800e-003	0.1141	9.5000e-004	0.1151	0.0303	8.8000e-004	0.0311		117.2799	117.2799	3.5200e-003		117.3678
Total	**0.1760**	**4.1265**	**1.3884**	**0.0131**	**0.3810**	**0.0135**	**0.3946**	**0.1034**	**0.0129**	**0.1163**		**1,409.5212**	**1,409.5212**	**0.0912**		**1,411.8015**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.3074	0.0000	3.3074	0.5008	0.0000	0.5008			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**	**3.3074**	**1.5513**	**4.8588**	**0.5008**	**1.4411**	**1.9419**	**0.0000**	**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.2 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1273	4.0952	0.9602	0.0119	0.2669	0.0126	0.2795	0.0732	0.0120	0.0852		1,292.2413	1,292.2413	0.0877		1,294.4337
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0487	0.0313	0.4282	1.1800e-003	0.1141	9.5000e-004	0.1151	0.0303	8.8000e-004	0.0311		117.2799	117.2799	3.5200e-003		117.3678
Total	**0.1760**	**4.1265**	**1.3884**	**0.0131**	**0.3810**	**0.0135**	**0.3946**	**0.1034**	**0.0129**	**0.1163**		**1,409.5212**	**1,409.5212**	**0.0912**		**1,411.8015**

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**		**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.3 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0584	0.0375	0.5139	1.4100e-003	0.1369	1.1400e-003	0.1381	0.0363	1.0500e-003	0.0374		140.7359	140.7359	4.2200e-003		140.8414
Total	**0.0584**	**0.0375**	**0.5139**	**1.4100e-003**	**0.1369**	**1.1400e-003**	**0.1381**	**0.0363**	**1.0500e-003**	**0.0374**		**140.7359**	**140.7359**	**4.2200e-003**		**140.8414**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.3 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0584	0.0375	0.5139	1.4100e-003	0.1369	1.1400e-003	0.1381	0.0363	1.0500e-003	0.0374		140.7359	140.7359	4.2200e-003		140.8414
Total	**0.0584**	**0.0375**	**0.5139**	**1.4100e-003**	**0.1369**	**1.1400e-003**	**0.1381**	**0.0363**	**1.0500e-003**	**0.0374**		**140.7359**	**140.7359**	**4.2200e-003**		**140.8414**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**8.6733**	**1.9853**	**10.6587**	**3.5965**	**1.8265**	**5.4230**		**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0649	0.0417	0.5710	1.5700e-003	0.1521	1.2700e-003	0.1534	0.0404	1.1700e-003	0.0415		156.3732	156.3732	4.6900e-003		156.4904
Total	**0.0649**	**0.0417**	**0.5710**	**1.5700e-003**	**0.1521**	**1.2700e-003**	**0.1534**	**0.0404**	**1.1700e-003**	**0.0415**		**156.3732**	**156.3732**	**4.6900e-003**		**156.4904**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**8.6733**	**1.9853**	**10.6587**	**3.5965**	**1.8265**	**5.4230**	**0.0000**	**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0649	0.0417	0.5710	1.5700e-003	0.1521	1.2700e-003	0.1534	0.0404	1.1700e-003	0.0415		156.3732	156.3732	4.6900e-003		156.4904
Total	**0.0649**	**0.0417**	**0.5710**	**1.5700e-003**	**0.1521**	**1.2700e-003**	**0.1534**	**0.0404**	**1.1700e-003**	**0.0415**		**156.3732**	**156.3732**	**4.6900e-003**		**156.4904**

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
Total	**3.6248**	**38.8435**	**29.0415**	**0.0621**	**8.6733**	**1.6349**	**10.3082**	**3.5965**	**1.5041**	**5.1006**		**6,011.4105**	**6,011.4105**	**1.9442**		**6,060.0158**

3.4 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0607	0.0376	0.5263	1.5100e-003	0.1521	1.2300e-003	0.1534	0.0404	1.1300e-003	0.0415		150.8754	150.8754	4.2400e-003		150.9813
Total	**0.0607**	**0.0376**	**0.5263**	**1.5100e-003**	**0.1521**	**1.2300e-003**	**0.1534**	**0.0404**	**1.1300e-003**	**0.0415**		**150.8754**	**150.8754**	**4.2400e-003**		**150.9813**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
Total	**3.6248**	**38.8435**	**29.0415**	**0.0621**	**8.6733**	**1.6349**	**10.3082**	**3.5965**	**1.5041**	**5.1006**	**0.0000**	**6,011.4105**	**6,011.4105**	**1.9442**		**6,060.0158**

3.4 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0607	0.0376	0.5263	1.5100e-003	0.1521	1.2300e-003	0.1534	0.0404	1.1300e-003	0.0415		150.8754	150.8754	4.2400e-003		150.9813
Total	**0.0607**	**0.0376**	**0.5263**	**1.5100e-003**	**0.1521**	**1.2300e-003**	**0.1534**	**0.0404**	**1.1300e-003**	**0.0415**		**150.8754**	**150.8754**	**4.2400e-003**		**150.9813**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**		**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4079	13.2032	3.4341	0.0364	0.9155	0.0248	0.9404	0.2636	0.0237	0.2873		3,896.5482	3,896.5482	0.2236		3,902.1384
Worker	2.4299	1.5074	21.0801	0.0607	6.0932	0.0493	6.1425	1.6163	0.0454	1.6617		6,042.5585	6,042.5585	0.1697		6,046.8000
Total	**2.8378**	**14.7106**	**24.5142**	**0.0971**	**7.0087**	**0.0741**	**7.0828**	**1.8799**	**0.0691**	**1.9490**		**9,939.1067**	**9,939.1067**	**0.3933**		**9,948.9384**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**	**0.0000**	**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4079	13.2032	3.4341	0.0364	0.9155	0.0248	0.9404	0.2636	0.0237	0.2873		3,896.5482	3,896.5482	0.2236		3,902.1384
Worker	2.4299	1.5074	21.0801	0.0607	6.0932	0.0493	6.1425	1.6163	0.0454	1.6617		6,042.5585	6,042.5585	0.1697		6,046.8000
Total	**2.8378**	**14.7106**	**24.5142**	**0.0971**	**7.0087**	**0.0741**	**7.0828**	**1.8799**	**0.0691**	**1.9490**		**9,939.1067**	**9,939.1067**	**0.3933**		**9,948.9384**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**		**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3027	10.0181	3.1014	0.0352	0.9156	0.0116	0.9271	0.2636	0.0111	0.2747		3,773.8762	3,773.8762	0.1982		3,778.8300
Worker	2.2780	1.3628	19.4002	0.0584	6.0932	0.0479	6.1411	1.6163	0.0441	1.6604		5,821.4028	5,821.4028	0.1529		5,825.2254
Total	**2.5807**	**11.3809**	**22.5017**	**0.0936**	**7.0088**	**0.0595**	**7.0682**	**1.8799**	**0.0552**	**1.9350**		**9,595.2790**	**9,595.2790**	**0.3511**		**9,604.0554**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**	**0.0000**	**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3027	10.0181	3.1014	0.0352	0.9156	0.0116	0.9271	0.2636	0.0111	0.2747		3,773.8762	3,773.8762	0.1982		3,778.8300
Worker	2.2780	1.3628	19.4002	0.0584	6.0932	0.0479	6.1411	1.6163	0.0441	1.6604		5,821.4028	5,821.4028	0.1529		5,825.2254
Total	**2.5807**	**11.3809**	**22.5017**	**0.0936**	**7.0088**	**0.0595**	**7.0682**	**1.8799**	**0.0552**	**1.9350**		**9,595.2790**	**9,595.2790**	**0.3511**		**9,604.0554**

3.6 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0327**	**10.1917**	**14.5842**	**0.0228**		**0.5102**	**0.5102**		**0.4694**	**0.4694**		**2,207.5841**	**2,207.5841**	**0.7140**		**2,225.4336**

3.6 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0427	0.0255	0.3633	1.0900e-003	0.1141	9.0000e-004	0.1150	0.0303	8.3000e-004	0.0311		109.0150	109.0150	2.8600e-003		109.0866
Total	**0.0427**	**0.0255**	**0.3633**	**1.0900e-003**	**0.1141**	**9.0000e-004**	**0.1150**	**0.0303**	**8.3000e-004**	**0.0311**		**109.0150**	**109.0150**	**2.8600e-003**		**109.0866**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0327**	**10.1917**	**14.5842**	**0.0228**		**0.5102**	**0.5102**		**0.4694**	**0.4694**	**0.0000**	**2,207.5841**	**2,207.5841**	**0.7140**		**2,225.4336**

3.6 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0427	0.0255	0.3633	1.0900e-003	0.1141	9.0000e-004	0.1150	0.0303	8.3000e-004	0.0311		109.0150	109.0150	2.8600e-003		109.0866
Total	**0.0427**	**0.0255**	**0.3633**	**1.0900e-003**	**0.1141**	**9.0000e-004**	**0.1150**	**0.0303**	**8.3000e-004**	**0.0311**		**109.0150**	**109.0150**	**2.8600e-003**		**109.0866**

3.6 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9882**	**9.5246**	**14.6258**	**0.0228**		**0.4685**	**0.4685**		**0.4310**	**0.4310**		**2,207.5472**	**2,207.5472**	**0.7140**		**2,225.3963**

3.6 Paving - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0403	0.0233	0.3384	1.0600e-003	0.1141	8.8000e-004	0.1150	0.0303	8.1000e-004	0.0311		105.6336	105.6336	2.6300e-003		105.6992
Total	**0.0403**	**0.0233**	**0.3384**	**1.0600e-003**	**0.1141**	**8.8000e-004**	**0.1150**	**0.0303**	**8.1000e-004**	**0.0311**		**105.6336**	**105.6336**	**2.6300e-003**		**105.6992**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9882**	**9.5246**	**14.6258**	**0.0228**		**0.4685**	**0.4685**		**0.4310**	**0.4310**	**0.0000**	**2,207.5472**	**2,207.5472**	**0.7140**		**2,225.3963**

3.6 Paving - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0403	0.0233	0.3384	1.0600e-003	0.1141	8.8000e-004	0.1150	0.0303	8.1000e-004	0.0311		105.6336	105.6336	2.6300e-003		105.6992
Total	**0.0403**	**0.0233**	**0.3384**	**1.0600e-003**	**0.1141**	**8.8000e-004**	**0.1150**	**0.0303**	**8.1000e-004**	**0.0311**		**105.6336**	**105.6336**	**2.6300e-003**		**105.6992**

3.7 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	236.4115					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	**236.5923**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

3.7 Architectural Coating - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.4296	0.2481	3.6098	0.0113	1.2171	9.4300e-003	1.2266	0.3229	8.6800e-003	0.3315		1,126.7583	1,126.7583	0.0280		1,127.4583
Total	**0.4296**	**0.2481**	**3.6098**	**0.0113**	**1.2171**	**9.4300e-003**	**1.2266**	**0.3229**	**8.6800e-003**	**0.3315**		**1,126.7583**	**1,126.7583**	**0.0280**		**1,127.4583**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	236.4115					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**236.5923**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

3.7 Architectural Coating - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.4296	0.2481	3.6098	0.0113	1.2171	9.4300e-003	1.2266	0.3229	8.6800e-003	0.3315		1,126.7583	1,126.7583	0.0280		1,127.4583
Total	**0.4296**	**0.2481**	**3.6098**	**0.0113**	**1.2171**	**9.4300e-003**	**1.2266**	**0.3229**	**8.6800e-003**	**0.3315**		**1,126.7583**	**1,126.7583**	**0.0280**		**1,127.4583**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	9.8489	45.4304	114.8495	0.4917	45.9592	0.3360	46.2951	12.2950	0.3119	12.6070		50,306.6034	50,306.6034	2.1807		50,361.1208
Unmitigated	9.8489	45.4304	114.8495	0.4917	45.9592	0.3360	46.2951	12.2950	0.3119	12.6070		50,306.6034	50,306.6034	2.1807		50,361.1208

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	145.75	154.25	154.00	506,227	506,227
Apartments Mid Rise	4,026.75	3,773.25	4075.50	13,660,065	13,660,065
General Office Building	288.45	62.55	31.05	706,812	706,812
High Turnover (Sit Down Restaurant)	2,368.80	2,873.52	2817.72	3,413,937	3,413,937
Hotel	192.00	187.50	160.00	445,703	445,703
Quality Restaurant	501.12	511.92	461.20	707,488	707,488
Regional Shopping Center	528.08	601.44	357.84	1,112,221	1,112,221
Total	8,050.95	8,164.43	8,057.31	20,552,452	20,552,452

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Quality Restaurant	16.60	8.40	6.90	12.00	69.00	19.00	38	18	44
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Apartments Mid Rise	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
General Office Building	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
High Turnover (Sit Down Restaurant)	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Hotel	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Quality Restaurant	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Regional Shopping Center	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Village South Specific Plan (Proposed) - Los Angeles-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.7660	6.7462	4.2573	0.0418		0.5292	0.5292		0.5292	0.5292		8,355.9832	8,355.9832	0.1602	0.1532	8,405.6387
NaturalGas Unmitigated	0.7660	6.7462	4.2573	0.0418		0.5292	0.5292		0.5292	0.5292		8,355.9832	8,355.9832	0.1602	0.1532	8,405.6387

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	1119.16	0.0121	0.1031	0.0439	6.6000e-004		8.3400e-003	8.3400e-003		8.3400e-003	8.3400e-003		131.6662	131.6662	2.5200e-003	2.4100e-003	132.4486
Apartments Mid Rise	35784.3	0.3859	3.2978	1.4033	0.0211		0.2666	0.2666		0.2666	0.2666		4,209.9164	4,209.9164	0.0807	0.0772	4,234.9339
General Office Building	1283.42	0.0138	0.1258	0.1057	7.5000e-004		9.5600e-003	9.5600e-003		9.5600e-003	9.5600e-003		150.9911	150.9911	2.8900e-003	2.7700e-003	151.8884
High Turnover (Sit Down Restaurant)	22759.9	0.2455	2.2314	1.8743	0.0134		0.1696	0.1696		0.1696	0.1696		2,677.6342	2,677.6342	0.0513	0.0491	2,693.5460
Hotel	4769.72	0.0514	0.4676	0.3928	2.8100e-003		0.0355	0.0355		0.0355	0.0355		561.1436	561.1436	0.0108	0.0103	564.4782
Quality Restaurant	5057.75	0.0545	0.4959	0.4165	2.9800e-003		0.0377	0.0377		0.0377	0.0377		595.0298	595.0298	0.0114	0.0109	598.5658
Regional Shopping Center	251.616	2.7100e-003	0.0247	0.0207	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.6019	29.6019	5.7000e-004	5.4000e-004	29.7778
Total		**0.7660**	**6.7463**	**4.2573**	**0.0418**		**0.5292**	**0.5292**		**0.5292**	**0.5292**		**8,355.9832**	**8,355.9832**	**0.1602**	**0.1532**	**8,405.6387**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	1.11916	0.0121	0.1031	0.0439	6.6000e-004		8.3400e-003	8.3400e-003		8.3400e-003	8.3400e-003		131.6662	131.6662	2.5200e-003	2.4100e-003	132.4486
Apartments Mid Rise	35.7843	0.3859	3.2978	1.4033	0.0211		0.2666	0.2666		0.2666	0.2666		4,209.9164	4,209.9164	0.0807	0.0772	4,234.9339
General Office Building	1.28342	0.0138	0.1258	0.1057	7.5000e-004		9.5600e-003	9.5600e-003		9.5600e-003	9.5600e-003		150.9911	150.9911	2.8900e-003	2.7700e-003	151.8884
High Turnover (Sit Down Restaurant)	22.7599	0.2455	2.2314	1.8743	0.0134		0.1696	0.1696		0.1696	0.1696		2,677.6342	2,677.6342	0.0513	0.0491	2,693.5460
Hotel	4.76972	0.0514	0.4676	0.3928	2.8100e-003		0.0355	0.0355		0.0355	0.0355		561.1436	561.1436	0.0108	0.0103	564.4782
Quality Restaurant	5.05775	0.0545	0.4959	0.4165	2.9800e-003		0.0377	0.0377		0.0377	0.0377		595.0298	595.0298	0.0114	0.0109	598.5658
Regional Shopping Center	0.251616	2.7100e-003	0.0247	0.0207	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.6019	29.6019	5.7000e-004	5.4000e-004	29.7778
Total		**0.7660**	**6.7463**	**4.2573**	**0.0418**		**0.5292**	**0.5292**		**0.5292**	**0.5292**		**8,355.9832**	**8,355.9832**	**0.1602**	**0.1532**	**8,405.6387**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	30.5020	15.0496	88.4430	0.0944		1.5974	1.5974		1.5974	1.5974	0.0000	18,148.5950	18,148.5950	0.4874	0.3300	18,259.1192
Unmitigated	30.5020	15.0496	88.4430	0.0944		1.5974	1.5974		1.5974	1.5974	0.0000	18,148.5950	18,148.5950	0.4874	0.3300	18,259.1192

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.2670					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	24.1085					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1.6500	14.1000	6.0000	0.0900		1.1400	1.1400		1.1400	1.1400	0.0000	18,000.0000	18,000.0000	0.3450	0.3300	18,106.9650
Landscaping	2.4766	0.9496	82.4430	4.3600e-003		0.4574	0.4574		0.4574	0.4574		148.5950	148.5950	0.1424		152.1542
Total	**30.5020**	**15.0496**	**88.4430**	**0.0944**		**1.5974**	**1.5974**		**1.5974**	**1.5974**	**0.0000**	**18,148.5950**	**18,148.5950**	**0.4874**	**0.3300**	**18,259.1192**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.2670					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	24.1085					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1.6500	14.1000	6.0000	0.0900		1.1400	1.1400		1.1400	1.1400	0.0000	18,000.0000	18,000.0000	0.3450	0.3300	18,106.9650
Landscaping	2.4766	0.9496	82.4430	4.3600e-003		0.4574	0.4574		0.4574	0.4574		148.5950	148.5950	0.1424		152.1542
Total	**30.5020**	**15.0496**	**88.4430**	**0.0944**		**1.5974**	**1.5974**		**1.5974**	**1.5974**	**0.0000**	**18,148.5950**	**18,148.5950**	**0.4874**	**0.3300**	**18,259.1192**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Village South Specific Plan (Proposed)

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	45.00	1000sqft	1.03	45,000.00	0
High Turnover (Sit Down Restaurant)	36.00	1000sqft	0.83	36,000.00	0
Hotel	50.00	Room	1.67	72,600.00	0
Quality Restaurant	8.00	1000sqft	0.18	8,000.00	0
Apartments Low Rise	25.00	Dwelling Unit	1.56	25,000.00	72
Apartments Mid Rise	975.00	Dwelling Unit	25.66	975,000.00	2789
Regional Shopping Center	56.00	1000sqft	1.29	56,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2028
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Village South Specific Plan (Proposed) - Los Angeles-South Coast County, Winter

Project Characteristics - Consistent with the DEIR's model.

Land Use - See SWAPE comment regarding residential and retail land uses.

Construction Phase - See SWAPE comment regarding individual construction phase lengths.

Demolition - Consistent with the DEIR's model. See SWAPE comment regarding demolition.

Vehicle Trips - Saturday trips consistent with the DEIR's model. See SWAPE comment regarding weekday and Sunday trips.

Woodstoves - Woodstoves and wood-burning fireplaces consistent with the DEIR's model. See SWAPE comment regarding gas fireplaces.

Energy Use -

Construction Off-road Equipment Mitigation - See SWAPE comment on construction-related mitigation.

Area Mitigation - See SWAPE comment regarding operational mitigation measures.

Water Mitigation - See SWAPE comment regarding operational mitigation measures.

Trips and VMT - Local hire provision

Table Name	Column Name	Default Value	New Value
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberWood	1.25	0.00
tblFireplaces	NumberWood	48.75	0.00
tblTripsAndVMT	WorkerTripLength	14.70	10.00
tblTripsAndVMT	WorkerTripLength	14.70	10.00
tblTripsAndVMT	WorkerTripLength	14.70	10.00
tblTripsAndVMT	WorkerTripLength	14.70	10.00
tblTripsAndVMT	WorkerTripLength	14.70	10.00
tblTripsAndVMT	WorkerTripLength	14.70	10.00
tblVehicleTrips	ST_TR	7.16	6.17
tblVehicleTrips	ST_TR	6.39	3.87
tblVehicleTrips	ST_TR	2.46	1.39
tblVehicleTrips	ST_TR	158.37	79.82

tblVehicleTrips	ST_TR	8.19	3.75
tblVehicleTrips	ST_TR	94.36	63.99
tblVehicleTrips	ST_TR	49.97	10.74
tblVehicleTrips	SU_TR	6.07	6.16
tblVehicleTrips	SU_TR	5.86	4.18
tblVehicleTrips	SU_TR	1.05	0.69
tblVehicleTrips	SU_TR	131.84	78.27
tblVehicleTrips	SU_TR	5.95	3.20
tblVehicleTrips	SU_TR	72.16	57.65
tblVehicleTrips	SU_TR	25.24	6.39
tblVehicleTrips	WD_TR	6.59	5.83
tblVehicleTrips	WD_TR	6.65	4.13
tblVehicleTrips	WD_TR	11.03	6.41
tblVehicleTrips	WD_TR	127.15	65.80
tblVehicleTrips	WD_TR	8.17	3.84
tblVehicleTrips	WD_TR	89.95	62.64
tblVehicleTrips	WD_TR	42.70	9.43
tblWoodstoves	NumberCatalytic	1.25	0.00
tblWoodstoves	NumberCatalytic	48.75	0.00
tblWoodstoves	NumberNoncatalytic	1.25	0.00
tblWoodstoves	NumberNoncatalytic	48.75	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	4.2621	46.4460	31.4068	0.0635	18.2032	2.0456	20.2488	9.9670	1.8820	11.8490	0.0000	6,154.3377	6,154.3377	1.9472	0.0000	6,203.0186
2022	4.7966	38.8851	39.6338	0.1195	8.8255	1.6361	10.4616	3.6369	1.5052	5.1421	0.0000	12,035.3440	12,035.3440	1.9482	0.0000	12,060.6013
2023	4.3939	25.8648	37.5031	0.1162	7.0088	0.7598	7.7685	1.8799	0.7142	2.5940	0.0000	11,710.4080	11,710.4080	0.9617	0.0000	11,734.4497
2024	237.0656	9.5503	14.9372	0.0238	1.2171	0.4694	1.2875	0.3229	0.4319	0.4621	0.0000	2,307.0517	2,307.0517	0.7164	0.0000	2,324.9627
Maximum	**237.0656**	**46.4460**	**39.6338**	**0.1195**	**18.2032**	**2.0456**	**20.2488**	**9.9670**	**1.8820**	**11.8490**	**0.0000**	**12,035.3440**	**12,035.3440**	**1.9482**	**0.0000**	**12,060.6013**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	4.2621	46.4460	31.4068	0.0635	18.2032	2.0456	20.2488	9.9670	1.8820	11.8490	0.0000	6,154.3377	6,154.3377	1.9472	0.0000	6,203.0186
2022	4.7966	38.8851	39.6338	0.1195	8.8255	1.6361	10.4616	3.6369	1.5052	5.1421	0.0000	12,035.3440	12,035.3440	1.9482	0.0000	12,060.6013
2023	4.3939	25.8648	37.5031	0.1162	7.0088	0.7598	7.7685	1.8799	0.7142	2.5940	0.0000	11,710.4080	11,710.4080	0.9617	0.0000	11,734.4497
2024	237.0656	9.5503	14.9372	0.0238	1.2171	0.4694	1.2875	0.3229	0.4319	0.4621	0.0000	2,307.0517	2,307.0517	0.7164	0.0000	2,324.9627
Maximum	**237.0656**	**46.4460**	**39.6338**	**0.1195**	**18.2032**	**2.0456**	**20.2488**	**9.9670**	**1.8820**	**11.8490**	**0.0000**	**12,035.3440**	**12,035.3440**	**1.9482**	**0.0000**	**12,060.6013**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	30.5020	15.0496	88.4430	0.0944		1.5974	1.5974		1.5974	1.5974	0.0000	18,148.5950	18,148.5950	0.4874	0.3300	18,259.1192
Energy	0.7660	6.7462	4.2573	0.0418		0.5292	0.5292		0.5292	0.5292		8,355.9832	8,355.9832	0.1602	0.1532	8,405.6387
Mobile	9.5233	45.9914	110.0422	0.4681	45.9592	0.3373	46.2965	12.2950	0.3132	12.6083		47,917.8005	47,917.8005	2.1953		47,972.6839
Total	**40.7912**	**67.7872**	**202.7424**	**0.6043**	**45.9592**	**2.4640**	**48.4231**	**12.2950**	**2.4399**	**14.7349**	**0.0000**	**74,422.3787**	**74,422.3787**	**2.8429**	**0.4832**	**74,637.4417**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	30.5020	15.0496	88.4430	0.0944		1.5974	1.5974		1.5974	1.5974	0.0000	18,148.5950	18,148.5950	0.4874	0.3300	18,259.1192
Energy	0.7660	6.7462	4.2573	0.0418		0.5292	0.5292		0.5292	0.5292		8,355.9832	8,355.9832	0.1602	0.1532	8,405.6387
Mobile	9.5233	45.9914	110.0422	0.4681	45.9592	0.3373	46.2965	12.2950	0.3132	12.6083		47,917.8005	47,917.8005	2.1953		47,972.6839
Total	**40.7912**	**67.7872**	**202.7424**	**0.6043**	**45.9592**	**2.4640**	**48.4231**	**12.2950**	**2.4399**	**14.7349**	**0.0000**	**74,422.3787**	**74,422.3787**	**2.8429**	**0.4832**	**74,637.4417**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	9/1/2021	10/12/2021	5	30	
2	Site Preparation	Site Preparation	10/13/2021	11/9/2021	5	20	
3	Grading	Grading	11/10/2021	1/11/2022	5	45	
4	Building Construction	Building Construction	1/12/2022	12/12/2023	5	500	
5	Paving	Paving	12/13/2023	1/30/2024	5	35	
6	Architectural Coating	Architectural Coating	1/31/2024	3/19/2024	5	35	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 112.5

Acres of Paving: 0

Residential Indoor: 2,025,000; Residential Outdoor: 675,000; Non-Residential Indoor: 326,400; Non-Residential Outdoor: 108,800; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Village South Specific Plan (Proposed) - Los Angeles-South Coast County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	458.00	10.00	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.00	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.00	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	801.00	143.00	0.00	10.00	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	160.00	0.00	0.00	10.00	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.3074	0.0000	3.3074	0.5008	0.0000	0.5008			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**	**3.3074**	**1.5513**	**4.8588**	**0.5008**	**1.4411**	**1.9419**		**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.2 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1304	4.1454	1.0182	0.0117	0.2669	0.0128	0.2797	0.0732	0.0122	0.0854		1,269.8555	1,269.8555	0.0908		1,272.1252
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0532	0.0346	0.3963	1.1100e-003	0.1141	9.5000e-004	0.1151	0.0303	8.8000e-004	0.0311		110.4707	110.4707	3.3300e-003		110.5539
Total	**0.1835**	**4.1800**	**1.4144**	**0.0128**	**0.3810**	**0.0137**	**0.3948**	**0.1034**	**0.0131**	**0.1165**		**1,380.3262**	**1,380.3262**	**0.0941**		**1,382.6791**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.3074	0.0000	3.3074	0.5008	0.0000	0.5008			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**	**3.3074**	**1.5513**	**4.8588**	**0.5008**	**1.4411**	**1.9419**	**0.0000**	**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.2 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1304	4.1454	1.0182	0.0117	0.2669	0.0128	0.2797	0.0732	0.0122	0.0854		1,269.8555	1,269.8555	0.0908		1,272.1252
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0532	0.0346	0.3963	1.1100e-003	0.1141	9.5000e-004	0.1151	0.0303	8.8000e-004	0.0311		110.4707	110.4707	3.3300e-003		110.5539
Total	**0.1835**	**4.1800**	**1.4144**	**0.0128**	**0.3810**	**0.0137**	**0.3948**	**0.1034**	**0.0131**	**0.1165**		**1,380.3262**	**1,380.3262**	**0.0941**		**1,382.6791**

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**		**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.3 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0638	0.0415	0.4755	1.3300e-003	0.1369	1.1400e-003	0.1381	0.0363	1.0500e-003	0.0374		132.5649	132.5649	3.9900e-003		132.6646
Total	**0.0638**	**0.0415**	**0.4755**	**1.3300e-003**	**0.1369**	**1.1400e-003**	**0.1381**	**0.0363**	**1.0500e-003**	**0.0374**		**132.5649**	**132.5649**	**3.9900e-003**		**132.6646**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.3 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0638	0.0415	0.4755	1.3300e-003	0.1369	1.1400e-003	0.1381	0.0363	1.0500e-003	0.0374		132.5649	132.5649	3.9900e-003		132.6646
Total	**0.0638**	**0.0415**	**0.4755**	**1.3300e-003**	**0.1369**	**1.1400e-003**	**0.1381**	**0.0363**	**1.0500e-003**	**0.0374**		**132.5649**	**132.5649**	**3.9900e-003**		**132.6646**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**8.6733**	**1.9853**	**10.6587**	**3.5965**	**1.8265**	**5.4230**		**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0709	0.0462	0.5284	1.4800e-003	0.1521	1.2700e-003	0.1534	0.0404	1.1700e-003	0.0415		147.2943	147.2943	4.4300e-003		147.4051
Total	**0.0709**	**0.0462**	**0.5284**	**1.4800e-003**	**0.1521**	**1.2700e-003**	**0.1534**	**0.0404**	**1.1700e-003**	**0.0415**		**147.2943**	**147.2943**	**4.4300e-003**		**147.4051**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**8.6733**	**1.9853**	**10.6587**	**3.5965**	**1.8265**	**5.4230**	**0.0000**	**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0709	0.0462	0.5284	1.4800e-003	0.1521	1.2700e-003	0.1534	0.0404	1.1700e-003	0.0415		147.2943	147.2943	4.4300e-003		147.4051
Total	**0.0709**	**0.0462**	**0.5284**	**1.4800e-003**	**0.1521**	**1.2700e-003**	**0.1534**	**0.0404**	**1.1700e-003**	**0.0415**		**147.2943**	**147.2943**	**4.4300e-003**		**147.4051**

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
Total	**3.6248**	**38.8435**	**29.0415**	**0.0621**	**8.6733**	**1.6349**	**10.3082**	**3.5965**	**1.5041**	**5.1006**		**6,011.4105**	**6,011.4105**	**1.9442**		**6,060.0158**

3.4 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0665	0.0416	0.4861	1.4300e-003	0.1521	1.2300e-003	0.1534	0.0404	1.1300e-003	0.0415		142.1207	142.1207	4.0000e-003		142.2207
Total	**0.0665**	**0.0416**	**0.4861**	**1.4300e-003**	**0.1521**	**1.2300e-003**	**0.1534**	**0.0404**	**1.1300e-003**	**0.0415**		**142.1207**	**142.1207**	**4.0000e-003**		**142.2207**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
Total	**3.6248**	**38.8435**	**29.0415**	**0.0621**	**8.6733**	**1.6349**	**10.3082**	**3.5965**	**1.5041**	**5.1006**	**0.0000**	**6,011.4105**	**6,011.4105**	**1.9442**		**6,060.0158**

3.4 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0665	0.0416	0.4861	1.4300e-003	0.1521	1.2300e-003	0.1534	0.0404	1.1300e-003	0.0415		142.1207	142.1207	4.0000e-003		142.2207
Total	**0.0665**	**0.0416**	**0.4861**	**1.4300e-003**	**0.1521**	**1.2300e-003**	**0.1534**	**0.0404**	**1.1300e-003**	**0.0415**		**142.1207**	**142.1207**	**4.0000e-003**		**142.2207**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**		**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4284	13.1673	3.8005	0.0354	0.9155	0.0256	0.9412	0.2636	0.0245	0.2881		3,789.0750	3,789.0750	0.2381		3,795.0283
Worker	2.6620	1.6677	19.4699	0.0571	6.0932	0.0493	6.1425	1.6163	0.0454	1.6617		5,691.9354	5,691.9354	0.1602		5,695.9408
Total	**3.0904**	**14.8350**	**23.2704**	**0.0926**	**7.0087**	**0.0749**	**7.0836**	**1.8799**	**0.0699**	**1.9498**		**9,481.0104**	**9,481.0104**	**0.3984**		**9,490.9691**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**	**0.0000**	**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4284	13.1673	3.8005	0.0354	0.9155	0.0256	0.9412	0.2636	0.0245	0.2881		3,789.0750	3,789.0750	0.2381		3,795.0283
Worker	2.6620	1.6677	19.4699	0.0571	6.0932	0.0493	6.1425	1.6163	0.0454	1.6617		5,691.9354	5,691.9354	0.1602		5,695.9408
Total	**3.0904**	**14.8350**	**23.2704**	**0.0926**	**7.0087**	**0.0749**	**7.0836**	**1.8799**	**0.0699**	**1.9498**		**9,481.0104**	**9,481.0104**	**0.3984**		**9,490.9691**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**		**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3183	9.9726	3.3771	0.0343	0.9156	0.0122	0.9277	0.2636	0.0116	0.2752		3,671.4007	3,671.4007	0.2096		3,676.6417
Worker	2.5029	1.5073	17.8820	0.0550	6.0932	0.0479	6.1411	1.6163	0.0441	1.6604		5,483.7974	5,483.7974	0.1442		5,487.4020
Total	**2.8211**	**11.4799**	**21.2591**	**0.0893**	**7.0088**	**0.0601**	**7.0688**	**1.8799**	**0.0557**	**1.9356**		**9,155.1981**	**9,155.1981**	**0.3538**		**9,164.0437**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**	**0.0000**	**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3183	9.9726	3.3771	0.0343	0.9156	0.0122	0.9277	0.2636	0.0116	0.2752		3,671.4007	3,671.4007	0.2096		3,676.6417
Worker	2.5029	1.5073	17.8820	0.0550	6.0932	0.0479	6.1411	1.6163	0.0441	1.6604		5,483.7974	5,483.7974	0.1442		5,487.4020
Total	**2.8211**	**11.4799**	**21.2591**	**0.0893**	**7.0088**	**0.0601**	**7.0688**	**1.8799**	**0.0557**	**1.9356**		**9,155.1981**	**9,155.1981**	**0.3538**		**9,164.0437**

3.6 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0327**	**10.1917**	**14.5842**	**0.0228**		**0.5102**	**0.5102**		**0.4694**	**0.4694**		**2,207.5841**	**2,207.5841**	**0.7140**		**2,225.4336**

3.6 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0469	0.0282	0.3349	1.0300e-003	0.1141	9.0000e-004	0.1150	0.0303	8.3000e-004	0.0311		102.6928	102.6928	2.7000e-003		102.7603
Total	**0.0469**	**0.0282**	**0.3349**	**1.0300e-003**	**0.1141**	**9.0000e-004**	**0.1150**	**0.0303**	**8.3000e-004**	**0.0311**		**102.6928**	**102.6928**	**2.7000e-003**		**102.7603**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0327**	**10.1917**	**14.5842**	**0.0228**		**0.5102**	**0.5102**		**0.4694**	**0.4694**	**0.0000**	**2,207.5841**	**2,207.5841**	**0.7140**		**2,225.4336**

3.6 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0469	0.0282	0.3349	1.0300e-003	0.1141	9.0000e-004	0.1150	0.0303	8.3000e-004	0.0311		102.6928	102.6928	2.7000e-003		102.7603
Total	**0.0469**	**0.0282**	**0.3349**	**1.0300e-003**	**0.1141**	**9.0000e-004**	**0.1150**	**0.0303**	**8.3000e-004**	**0.0311**		**102.6928**	**102.6928**	**2.7000e-003**		**102.7603**

3.6 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9882**	**9.5246**	**14.6258**	**0.0228**		**0.4685**	**0.4685**		**0.4310**	**0.4310**		**2,207.5472**	**2,207.5472**	**0.7140**		**2,225.3963**

3.6 Paving - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0444	0.0257	0.3114	1.0000e-003	0.1141	8.8000e-004	0.1150	0.0303	8.1000e-004	0.0311		99.5045	99.5045	2.4700e-003		99.5663
Total	**0.0444**	**0.0257**	**0.3114**	**1.0000e-003**	**0.1141**	**8.8000e-004**	**0.1150**	**0.0303**	**8.1000e-004**	**0.0311**		**99.5045**	**99.5045**	**2.4700e-003**		**99.5663**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9882**	**9.5246**	**14.6258**	**0.0228**		**0.4685**	**0.4685**		**0.4310**	**0.4310**	**0.0000**	**2,207.5472**	**2,207.5472**	**0.7140**		**2,225.3963**

3.6 Paving - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0444	0.0257	0.3114	1.0000e-003	0.1141	8.8000e-004	0.1150	0.0303	8.1000e-004	0.0311		99.5045	99.5045	2.4700e-003		99.5663
Total	**0.0444**	**0.0257**	**0.3114**	**1.0000e-003**	**0.1141**	**8.8000e-004**	**0.1150**	**0.0303**	**8.1000e-004**	**0.0311**		**99.5045**	**99.5045**	**2.4700e-003**		**99.5663**

3.7 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	236.4115					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	**236.5923**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

3.7 Architectural Coating - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.4734	0.2743	3.3220	0.0107	1.2171	9.4300e-003	1.2266	0.3229	8.6800e-003	0.3315		1,061.3818	1,061.3818	0.0264		1,062.0410
Total	**0.4734**	**0.2743**	**3.3220**	**0.0107**	**1.2171**	**9.4300e-003**	**1.2266**	**0.3229**	**8.6800e-003**	**0.3315**		**1,061.3818**	**1,061.3818**	**0.0264**		**1,062.0410**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	236.4115					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**236.5923**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

3.7 Architectural Coating - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.4734	0.2743	3.3220	0.0107	1.2171	9.4300e-003	1.2266	0.3229	8.6800e-003	0.3315		1,061.3818	1,061.3818	0.0264		1,062.0410
Total	**0.4734**	**0.2743**	**3.3220**	**0.0107**	**1.2171**	**9.4300e-003**	**1.2266**	**0.3229**	**8.6800e-003**	**0.3315**		**1,061.3818**	**1,061.3818**	**0.0264**		**1,062.0410**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	9.5233	45.9914	110.0422	0.4681	45.9592	0.3373	46.2965	12.2950	0.3132	12.6083		47,917.8005	47,917.8005	2.1953		47,972.6839
Unmitigated	9.5233	45.9914	110.0422	0.4681	45.9592	0.3373	46.2965	12.2950	0.3132	12.6083		47,917.8005	47,917.8005	2.1953		47,972.6839

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	145.75	154.25	154.00	506,227	506,227
Apartments Mid Rise	4,026.75	3,773.25	4075.50	13,660,065	13,660,065
General Office Building	288.45	62.55	31.05	706,812	706,812
High Turnover (Sit Down Restaurant)	2,368.80	2,873.52	2817.72	3,413,937	3,413,937
Hotel	192.00	187.50	160.00	445,703	445,703
Quality Restaurant	501.12	511.92	461.20	707,488	707,488
Regional Shopping Center	528.08	601.44	357.84	1,112,221	1,112,221
Total	8,050.95	8,164.43	8,057.31	20,552,452	20,552,452

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Quality Restaurant	16.60	8.40	6.90	12.00	69.00	19.00	38	18	44
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Apartments Mid Rise	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
General Office Building	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
High Turnover (Sit Down Restaurant)	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Hotel	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Quality Restaurant	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Regional Shopping Center	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Village South Specific Plan (Proposed) - Los Angeles-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.7660	6.7462	4.2573	0.0418		0.5292	0.5292		0.5292	0.5292		8,355.9832	8,355.9832	0.1602	0.1532	8,405.6387
NaturalGas Unmitigated	0.7660	6.7462	4.2573	0.0418		0.5292	0.5292		0.5292	0.5292		8,355.9832	8,355.9832	0.1602	0.1532	8,405.6387

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	1119.16	0.0121	0.1031	0.0439	6.6000e-004		8.3400e-003	8.3400e-003		8.3400e-003	8.3400e-003		131.6662	131.6662	2.5200e-003	2.4100e-003	132.4486
Apartments Mid Rise	35784.3	0.3859	3.2978	1.4033	0.0211		0.2666	0.2666		0.2666	0.2666		4,209.9164	4,209.9164	0.0807	0.0772	4,234.9339
General Office Building	1283.42	0.0138	0.1258	0.1057	7.5000e-004		9.5600e-003	9.5600e-003		9.5600e-003	9.5600e-003		150.9911	150.9911	2.8900e-003	2.7700e-003	151.8884
High Turnover (Sit Down Restaurant)	22759.9	0.2455	2.2314	1.8743	0.0134		0.1696	0.1696		0.1696	0.1696		2,677.6342	2,677.6342	0.0513	0.0491	2,693.5460
Hotel	4769.72	0.0514	0.4676	0.3928	2.8100e-003		0.0355	0.0355		0.0355	0.0355		561.1436	561.1436	0.0108	0.0103	564.4782
Quality Restaurant	5057.75	0.0545	0.4959	0.4165	2.9800e-003		0.0377	0.0377		0.0377	0.0377		595.0298	595.0298	0.0114	0.0109	598.5658
Regional Shopping Center	251.616	2.7100e-003	0.0247	0.0207	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.6019	29.6019	5.7000e-004	5.4000e-004	29.7778
Total		**0.7660**	**6.7463**	**4.2573**	**0.0418**		**0.5292**	**0.5292**		**0.5292**	**0.5292**		**8,355.9832**	**8,355.9832**	**0.1602**	**0.1532**	**8,405.6387**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	1.11916	0.0121	0.1031	0.0439	6.6000e-004		8.3400e-003	8.3400e-003		8.3400e-003	8.3400e-003		131.6662	131.6662	2.5200e-003	2.4100e-003	132.4486
Apartments Mid Rise	35.7843	0.3859	3.2978	1.4033	0.0211		0.2666	0.2666		0.2666	0.2666		4,209.9164	4,209.9164	0.0807	0.0772	4,234.9339
General Office Building	1.28342	0.0138	0.1258	0.1057	7.5000e-004		9.5600e-003	9.5600e-003		9.5600e-003	9.5600e-003		150.9911	150.9911	2.8900e-003	2.7700e-003	151.8884
High Turnover (Sit Down Restaurant)	22.7599	0.2455	2.2314	1.8743	0.0134		0.1696	0.1696		0.1696	0.1696		2,677.6342	2,677.6342	0.0513	0.0491	2,693.5460
Hotel	4.76972	0.0514	0.4676	0.3928	2.8100e-003		0.0355	0.0355		0.0355	0.0355		561.1436	561.1436	0.0108	0.0103	564.4782
Quality Restaurant	5.05775	0.0545	0.4959	0.4165	2.9800e-003		0.0377	0.0377		0.0377	0.0377		595.0298	595.0298	0.0114	0.0109	598.5658
Regional Shopping Center	0.251616	2.7100e-003	0.0247	0.0207	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.6019	29.6019	5.7000e-004	5.4000e-004	29.7778
Total		**0.7660**	**6.7463**	**4.2573**	**0.0418**		**0.5292**	**0.5292**		**0.5292**	**0.5292**		**8,355.9832**	**8,355.9832**	**0.1602**	**0.1532**	**8,405.6387**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	30.5020	15.0496	88.4430	0.0944		1.5974	1.5974		1.5974	1.5974	0.0000	18,148.5950	18,148.5950	0.4874	0.3300	18,259.1192
Unmitigated	30.5020	15.0496	88.4430	0.0944		1.5974	1.5974		1.5974	1.5974	0.0000	18,148.5950	18,148.5950	0.4874	0.3300	18,259.1192

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.2670					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	24.1085					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1.6500	14.1000	6.0000	0.0900		1.1400	1.1400		1.1400	1.1400	0.0000	18,000.0000	18,000.0000	0.3450	0.3300	18,106.9650
Landscaping	2.4766	0.9496	82.4430	4.3600e-003		0.4574	0.4574		0.4574	0.4574		148.5950	148.5950	0.1424		152.1542
Total	**30.5020**	**15.0496**	**88.4430**	**0.0944**		**1.5974**	**1.5974**		**1.5974**	**1.5974**	**0.0000**	**18,148.5950**	**18,148.5950**	**0.4874**	**0.3300**	**18,259.1192**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.2670					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	24.1085					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1.6500	14.1000	6.0000	0.0900		1.1400	1.1400		1.1400	1.1400	0.0000	18,000.0000	18,000.0000	0.3450	0.3300	18,106.9650
Landscaping	2.4766	0.9496	82.4430	4.3600e-003		0.4574	0.4574		0.4574	0.4574		148.5950	148.5950	0.1424		152.1542
Total	**30.5020**	**15.0496**	**88.4430**	**0.0944**		**1.5974**	**1.5974**		**1.5974**	**1.5974**	**0.0000**	**18,148.5950**	**18,148.5950**	**0.4874**	**0.3300**	**18,259.1192**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Attachment C

Local Hire Provision Net Change	
Without Local Hire Provision	
Total Construction GHG Emissions (MT CO2e)	3,623
Amortized (MT CO2e/year)	120.77
With Local Hire Provision	
Total Construction GHG Emissions (MT CO2e)	3,024
Amortized (MT CO2e/year)	100.80
% Decrease in Construction-related GHG Emissions	***17%***

EXHIBIT B

SWAPE Technical Consultation, Data Analysis and Litigation Support for the Environment

SOIL WATER AIR PROTECTION ENTERPRISE
2656 29th Street, Suite 201
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Paul Rosenfeld, Ph.D.

Chemical Fate and Transport & Air Dispersion Modeling

Principal Environmental Chemist

Risk Assessment & Remediation Specialist

Education

Ph.D. Soil Chemistry, University of Washington, 1999. Dissertation on volatile organic compound filtration.

M.S. Environmental Science, U.C. Berkeley, 1995. Thesis on organic waste economics.

B.A. Environmental Studies, U.C. Santa Barbara, 1991. Thesis on wastewater treatment.

Professional Experience

Dr. Rosenfeld has over 25 years' experience conducting environmental investigations and risk assessments for evaluating impacts to human health, property, and ecological receptors. His expertise focuses on the fate and transport of environmental contaminants, human health risk, exposure assessment, and ecological restoration. Dr. Rosenfeld has evaluated and modeled emissions from unconventional oil drilling operations, oil spills, landfills, boilers and incinerators, process stacks, storage tanks, confined animal feeding operations, and many other industrial and agricultural sources. His project experience ranges from monitoring and modeling of pollution sources to evaluating impacts of pollution on workers at industrial facilities and residents in surrounding communities.

Dr. Rosenfeld has investigated and designed remediation programs and risk assessments for contaminated sites containing lead, heavy metals, mold, bacteria, particulate matter, petroleum hydrocarbons, chlorinated solvents, pesticides, radioactive waste, dioxins and furans, semi- and volatile organic compounds, PCBs, PAHs, perchlorate, asbestos, per- and poly-fluoroalkyl substances (PFOA/PFOS), unusual polymers, fuel oxygenates (MTBE), among other pollutants. Dr. Rosenfeld also has experience evaluating greenhouse gas emissions from various projects and is an expert on the assessment of odors from industrial and agricultural sites, as well as the evaluation of odor nuisance impacts and technologies for abatement of odorous emissions. As a principal scientist at SWAPE, Dr. Rosenfeld directs air dispersion modeling and exposure assessments. He has served as an expert witness and testified about pollution sources causing nuisance and/or personal injury at dozens of sites and has testified as an expert witness on more than ten cases involving exposure to air contaminants from industrial sources.

Professional History:

Soil Water Air Protection Enterprise (SWAPE); 2003 to present; Principal and Founding Partner
UCLA School of Public Health; 2007 to 2011; Lecturer (Assistant Researcher)
UCLA School of Public Health; 2003 to 2006; Adjunct Professor
UCLA Environmental Science and Engineering Program; 2002-2004; Doctoral Intern Coordinator
UCLA Institute of the Environment, 2001-2002; Research Associate
Komex H_2O Science, 2001 to 2003; Senior Remediation Scientist
National Groundwater Association, 2002-2004; Lecturer
San Diego State University, 1999-2001; Adjunct Professor
Anteon Corp., San Diego, 2000-2001; Remediation Project Manager
Ogden (now Amec), San Diego, 2000-2000; Remediation Project Manager
Bechtel, San Diego, California, 1999 – 2000; Risk Assessor
King County, Seattle, 1996 – 1999; Scientist
James River Corp., Washington, 1995-96; Scientist
Big Creek Lumber, Davenport, California, 1995; Scientist
Plumas Corp., California and USFS, Tahoe 1993-1995; Scientist
Peace Corps and World Wildlife Fund, St. Kitts, West Indies, 1991-1993; Scientist

Publications:

Remy, L.L., Clay T., Byers, V., **Rosenfeld P. E.** (2019) Hospital, Health, and Community Burden After Oil Refinery Fires, Richmond, California 2007 and 2012. *Environmental Health.* 18:48

Simons, R.A., Seo, Y. **Rosenfeld, P**., (2015) Modeling the Effect of Refinery Emission On Residential Property Value. Journal of Real Estate Research. 27(3):321-342

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Tam L. K.., Wu C. D., Clark J. J. and **Rosenfeld, P.E.** (2008). A Statistical Analysis Of Attic Dust And Blood Lipid Concentrations Of Tetrachloro-p-Dibenzodioxin (TCDD) Toxicity Equivalency Quotients (TEQ) In Two Populations Near Wood Treatment Facilities. *Organohalogen Compounds*, 70, 002252-002255.

Tam L. K.., Wu C. D., Clark J. J. and **Rosenfeld, P.E.** (2008). Methods For Collect Samples For Assessing Dioxins And Other Environmental Contaminants In Attic Dust: A Review. *Organohalogen Compounds*, 70, 000527-000530.

Hensley, A.R. A. Scott, J. J. J. Clark, **Rosenfeld, P.E.** (2007). Attic Dust and Human Blood Samples Collected near a Former Wood Treatment Facility. *Environmental Research*. 105, 194-197.

Rosenfeld, P.E., J. J. J. Clark, A. R. Hensley, M. Suffet. (2007). The Use of an Odor Wheel Classification for Evaluation of Human Health Risk Criteria for Compost Facilities. *Water Science & Technology* 55(5), 345-357.

Rosenfeld, P. E., M. Suffet. (2007). The Anatomy Of Odour Wheels For Odours Of Drinking Water, Wastewater, Compost And The Urban Environment. *Water Science & Technology* 55(5), 335-344.

Sullivan, P. J. Clark, J.J.J., Agardy, F. J., **Rosenfeld, P.E.** (2007). *Toxic Legacy, Synthetic Toxins in the Food, Water, and Air in American Cities.* Boston Massachusetts: Elsevier Publishing

Rosenfeld, P.E., and Suffet I.H. (2004). Control of Compost Odor Using High Carbon Wood Ash. *Water Science and Technology*. 49(9),171-178.

Rosenfeld P. E., J.J. Clark, I.H. (Mel) Suffet (2004). The Value of An Odor-Quality-Wheel Classification Scheme For The Urban Environment. *Water Environment Federation's Technical Exhibition and Conference (WEFTEC) 2004.* New Orleans, October 2-6, 2004.

Rosenfeld, P.E., and Suffet, I.H. (2004). Understanding Odorants Associated With Compost, Biomass Facilities, and the Land Application of Biosolids. *Water Science and Technology*. 49(9), 193-199.

Rosenfeld, P.E., and Suffet I.H. (2004). Control of Compost Odor Using High Carbon Wood Ash, *Water Science and Technology*, 49(9), 171-178.

Rosenfeld, P. E., Grey, M. A., Sellew, P. (2004). Measurement of Biosolids Odor and Odorant Emissions from Windrows, Static Pile and Biofilter. *Water Environment Research*. 76(4), 310-315.

Rosenfeld, P.E., Grey, M and Suffet, M. (2002). Compost Demonstration Project, Sacramento California Using High-Carbon Wood Ash to Control Odor at a Green Materials Composting Facility. *Integrated Waste Management Board Public Affairs Office*, Publications Clearinghouse (MS–6), Sacramento, CA Publication #442-02-008.

Rosenfeld, P.E., and C.L. Henry. (2001). Characterization of odor emissions from three different biosolids. *Water Soil and Air Pollution*. 127(1-4), 173-191.

Rosenfeld, P.E., and Henry C. L., (2000). Wood ash control of odor emissions from biosolids application. *Journal of Environmental Quality.* 29, 1662-1668.

Rosenfeld, P.E., C.L. Henry and D. Bennett. (2001). Wastewater dewatering polymer affect on biosolids odor emissions and microbial activity. *Water Environment Research*. 73(4), 363-367.

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Chollack, T. and **P. Rosenfeld. (**1998). Compost Amendment Handbook For Landscaping. Prepared for and distributed by the City of Redmond, Washington State.

Rosenfeld, P. E. (1992). The Mount Liamuiga Crater Trail. *Heritage Magazine of St. Kitts*, 3(2).

Rosenfeld, P. E. (1993). High School Biogas Project to Prevent Deforestation On St. Kitts. *Biomass Users Network*, 7(1).

Rosenfeld, P. E. (1998). Characterization, Quantification, and Control of Odor Emissions From Biosolids Application To Forest Soil. Doctoral Thesis. University of Washington College of Forest Resources.

Rosenfeld, P. E. (1994). Potential Utilization of Small Diameter Trees on Sierra County Public Land. Masters thesis reprinted by the Sierra County Economic Council. Sierra County, California.

Rosenfeld, P. E. (1991). How to Build a Small Rural Anaerobic Digester & Uses Of Biogas In The First And Third World. Bachelors Thesis. University of California.

Presentations:

Rosenfeld, P.E., Sutherland, A; Hesse, R.; Zapata, A. (October 3-6, 2013). Air dispersion modeling of volatile organic emissions from multiple natural gas wells in Decatur, TX. *44th Western Regional Meeting, American Chemical Society.* Lecture conducted from Santa Clara, CA.

Sok, H.L.; Waller, C.C.; Feng, L.; Gonzalez, J.; Sutherland, A.J.; Wisdom-Stack, T.; Sahai, R.K.; Hesse, R.C.; **Rosenfeld, P.E.** (June 20-23, 2010). Atrazine: A Persistent Pesticide in Urban Drinking Water. *Urban Environmental Pollution*. Lecture conducted from Boston, MA.

Feng, L.; Gonzalez, J.; Sok, H.L.; Sutherland, A.J.; Waller, C.C.; Wisdom-Stack, T.; Sahai, R.K.; La, M.; Hesse, R.C.; **Rosenfeld, P.E.** (June 20-23, 2010). Bringing Environmental Justice to East St. Louis, Illinois. *Urban Environmental Pollution.* Lecture conducted from Boston, MA.

Rosenfeld, P.E. (April 19-23, 2009). Perfluoroctanoic Acid (PFOA) and Perfluoroactane Sulfonate (PFOS) Contamination in Drinking Water From the Use of Aqueous Film Forming Foams (AFFF) at Airports in the United States. *2009 Ground Water Summit and 2009 Ground Water Protection Council Spring Meeting*, Lecture conducted from Tuscon, AZ.

Rosenfeld, P.E. (April 19-23, 2009). Cost to Filter Atrazine Contamination from Drinking Water in the United States" Contamination in Drinking Water From the Use of Aqueous Film Forming Foams (AFFF) at Airports in the United States. *2009 Ground Water Summit and 2009 Ground Water Protection Council Spring Meeting*. Lecture conducted from Tuscon, AZ.

Wu, C., Tam, L., Clark, J., **Rosenfeld, P**. (20-22 July, 2009). Dioxin and furan blood lipid concentrations in populations living near four wood treatment facilities in the United States. Brebbia, C.A. and Popov, V., eds., *Air Pollution XVII: Proceedings of the Seventeenth International Conference on Modeling, Monitoring and Management of Air Pollution*. Lecture conducted from Tallinn, Estonia.

Rosenfeld, P. E. (October 15-18, 2007). Moss Point Community Exposure To Contaminants From A Releasing Facility. *The 23rd Annual International Conferences on Soils Sediment and Water.* Platform lecture conducted from University of Massachusetts, Amherst MA.

Rosenfeld, P. E. (October 15-18, 2007). The Repeated Trespass of Tritium-Contaminated Water Into A Surrounding Community Form Repeated Waste Spills From A Nuclear Power Plant. *The 23rd Annual International Conferences on Soils Sediment and Water*. Platform lecture conducted from University of Massachusetts, Amherst MA.

Rosenfeld, P. E. (October 15-18, 2007). Somerville Community Exposure To Contaminants From Wood Treatment Facility Emissions. The *23rd Annual International Conferences on Soils Sediment and Water*. Lecture conducted from University of Massachusetts, Amherst MA.

Rosenfeld P. E. (March 2007). Production, Chemical Properties, Toxicology, & Treatment Case Studies of 1,2,3-Trichloropropane (TCP). *The Association for Environmental Health and Sciences (AEHS) Annual Meeting*. Lecture conducted from San Diego, CA.

Rosenfeld P. E. (March 2007). Blood and Attic Sampling for Dioxin/Furan, PAH, and Metal Exposure in Florala, Alabama. *The AEHS Annual Meeting.* Lecture conducted from San Diego, CA.

Hensley A.R., Scott, A., **Rosenfeld P.E.,** Clark, J.J.J. (August 21 – 25, 2006). Dioxin Containing Attic Dust And Human Blood Samples Collected Near A Former Wood Treatment Facility. *The 26th International Symposium on Halogenated Persistent Organic Pollutants – DIOXIN2006*. Lecture conducted from Radisson SAS Scandinavia Hotel in Oslo Norway.

Hensley A.R., Scott, A., **Rosenfeld P.E.,** Clark, J.J.J. (November 4-8, 2006). Dioxin Containing Attic Dust And Human Blood Samples Collected Near A Former Wood Treatment Facility. *APHA 134 Annual Meeting & Exposition.* Lecture conducted from Boston Massachusetts.

Paul Rosenfeld Ph.D. (October 24-25, 2005). Fate, Transport and Persistence of PFOA and Related Chemicals. Mealey's C8/PFOA. *Science, Risk & Litigation Conference.* Lecture conducted from The Rittenhouse Hotel, Philadelphia, PA.

Paul Rosenfeld Ph.D. (September 19, 2005). Brominated Flame Retardants in Groundwater: Pathways to Human Ingestion, *Toxicology and Remediation PEMA Emerging Contaminant Conference*. Lecture conducted from Hilton Hotel, Irvine California.

Paul Rosenfeld Ph.D. (September 19, 2005). Fate, Transport, Toxicity, And Persistence of 1,2,3-TCP. *PEMA Emerging Contaminant Conference.* Lecture conducted from Hilton Hotel in Irvine, California.

Paul Rosenfeld Ph.D. (September 26-27, 2005). Fate, Transport and Persistence of PDBEs. *Mealey's Groundwater Conference.* Lecture conducted from Ritz Carlton Hotel, Marina Del Ray, California.

Paul Rosenfeld Ph.D. (June 7-8, 2005). Fate, Transport and Persistence of PFOA and Related Chemicals. *International Society of Environmental Forensics: Focus On Emerging Contaminants*. Lecture conducted from Sheraton Oceanfront Hotel, Virginia Beach, Virginia.

Paul Rosenfeld Ph.D. (July 21-22, 2005). Fate Transport, Persistence and Toxicology of PFOA and Related Perfluorochemicals. *2005 National Groundwater Association Ground Water And Environmental Law Conference*. Lecture conducted from Wyndham Baltimore Inner Harbor, Baltimore Maryland.

Paul Rosenfeld Ph.D. (July 21-22, 2005). Brominated Flame Retardants in Groundwater: Pathways to Human Ingestion, Toxicology and Remediation. *2005 National Groundwater Association Ground Water and Environmental Law Conference.* Lecture conducted from Wyndham Baltimore Inner Harbor, Baltimore Maryland.

Paul Rosenfeld, Ph.D. and James Clark Ph.D. and Rob Hesse R.G. (May 5-6, 2004). Tert-butyl Alcohol Liability and Toxicology, A National Problem and Unquantified Liability. *National Groundwater Association. Environmental Law Conference*. Lecture conducted from Congress Plaza Hotel, Chicago Illinois.

Paul Rosenfeld, Ph.D. (March 2004). Perchlorate Toxicology. *Meeting of the American Groundwater Trust*. Lecture conducted from Phoenix Arizona.

Hagemann, M.F., **Paul Rosenfeld, Ph.D.** and Rob Hesse (2004). Perchlorate Contamination of the Colorado River. *Meeting of tribal representatives*. Lecture conducted from Parker, AZ.

Paul Rosenfeld, Ph.D. (April 7, 2004). A National Damage Assessment Model For PCE and Dry Cleaners. *Drycleaner Symposium. California Ground Water Association*. Lecture conducted from Radison Hotel, Sacramento, California.

Rosenfeld, P. E., Grey, M., (June 2003) Two stage biofilter for biosolids composting odor control. *Seventh International In Situ And On Site Bioremediation Symposium Battelle Conference* Orlando, FL.

Paul Rosenfeld, Ph.D. and James Clark Ph.D. (February 20-21, 2003) Understanding Historical Use, Chemical Properties, Toxicity and Regulatory Guidance of 1,4 Dioxane. *National Groundwater Association. Southwest Focus Conference. Water Supply and Emerging Contaminants*.. Lecture conducted from Hyatt Regency Phoenix Arizona.

Paul Rosenfeld, Ph.D. (February 6-7, 2003). Underground Storage Tank Litigation and Remediation. *California CUPA Forum*. Lecture conducted from Marriott Hotel, Anaheim California.

Paul Rosenfeld, Ph.D. (October 23, 2002) Underground Storage Tank Litigation and Remediation. *EPA Underground Storage Tank Roundtable*. Lecture conducted from Sacramento California.

Rosenfeld, P.E. and Suffet, M. (October 7- 10, 2002). Understanding Odor from Compost, *Wastewater and Industrial Processes. Sixth Annual Symposium On Off Flavors in the Aquatic Environment. International Water Association*. Lecture conducted from Barcelona Spain.

Rosenfeld, P.E. and Suffet, M. (October 7- 10, 2002). Using High Carbon Wood Ash to Control Compost Odor. *Sixth Annual Symposium On Off Flavors in the Aquatic Environment. International Water Association*. Lecture conducted from Barcelona Spain.

Rosenfeld, P.E. and Grey, M. A. (September 22-24, 2002). Biocycle Composting For Coastal Sage Restoration. *Northwest Biosolids Management Association*. Lecture conducted from Vancouver Washington..

Rosenfeld, P.E. and Grey, M. A. (November 11-14, 2002). Using High-Carbon Wood Ash to Control Odor at a Green Materials Composting Facility. *Soil Science Society Annual Conferenc*e. Lecture conducted from Indianapolis, Maryland.

Rosenfeld. P.E. (September 16, 2000). Two stage biofilter for biosolids composting odor control. *Water Environment Federation.* Lecture conducted from Anaheim California.

Rosenfeld. P.E. (October 16, 2000). Wood ash and biofilter control of compost odor. *Biofest.* Lecture conducted from Ocean Shores, California.

Rosenfeld, P.E. (2000). Bioremediation Using Organic Soil Amendments. *California Resource Recovery Association*. Lecture conducted from Sacramento California.

Rosenfeld, P.E., C.L. Henry, R. Harrison. (1998). Oat and Grass Seed Germination and Nitrogen and Sulfur Emissions Following Biosolids Incorporation With High-Carbon Wood-Ash. *Water Environment Federation 12th Annual Residuals and Biosolids Management Conference Proceedings*. Lecture conducted from Bellevue Washington.

Rosenfeld, P.E., and C.L. Henry. (1999). An evaluation of ash incorporation with biosolids for odor reduction. *Soil Science Society of America*. Lecture conducted from Salt Lake City Utah.

Rosenfeld, P.E., C.L. Henry, R. Harrison. (1998). Comparison of Microbial Activity and Odor Emissions from Three Different Biosolids Applied to Forest Soil. *Brown and Caldwell.* Lecture conducted from Seattle Washington.

Rosenfeld, P.E., C.L. Henry. (1998). Characterization, Quantification, and Control of Odor Emissions from Biosolids Application To Forest Soil. *Biofest.* Lecture conducted from Lake Chelan, Washington.

Rosenfeld, P.E, C.L. Henry, R. Harrison. (1998). Oat and Grass Seed Germination and Nitrogen and Sulfur Emissions Following Biosolids Incorporation With High-Carbon Wood-Ash. Water Environment Federation 12th Annual Residuals and Biosolids Management Conference Proceedings. Lecture conducted from Bellevue Washington.

Rosenfeld, P.E., C.L. Henry, R. B. Harrison, and R. Dills. (1997). Comparison of Odor Emissions From Three Different Biosolids Applied to Forest Soil. *Soil Science Society of America*. Lecture conducted from Anaheim California.

Teaching Experience:

UCLA Department of Environmental Health (Summer 2003 through 20010) Taught Environmental Health Science 100 to students, including undergrad, medical doctors, public health professionals and nurses. Course focused on the health effects of environmental contaminants.

National Ground Water Association, Successful Remediation Technologies. Custom Course in Sante Fe, New Mexico. May 21, 2002. Focused on fate and transport of fuel contaminants associated with underground storage tanks.

National Ground Water Association; Successful Remediation Technologies Course in Chicago Illinois. April 1, 2002. Focused on fate and transport of contaminants associated with Superfund and RCRA sites.

California Integrated Waste Management Board, April and May, 2001. Alternative Landfill Caps Seminar in San Diego, Ventura, and San Francisco. Focused on both prescriptive and innovative landfill cover design.

UCLA Department of Environmental Engineering, February 5, 2002. Seminar on Successful Remediation Technologies focusing on Groundwater Remediation.

University Of Washington, Soil Science Program, Teaching Assistant for several courses including: Soil Chemistry, Organic Soil Amendments, and Soil Stability.

U.C. Berkeley, Environmental Science Program Teaching Assistant for Environmental Science 10.

Academic Grants Awarded:

California Integrated Waste Management Board. $41,000 grant awarded to UCLA Institute of the Environment. Goal: To investigate effect of high carbon wood ash on volatile organic emissions from compost. 2001.

Synagro Technologies, Corona California: $10,000 grant awarded to San Diego State University.
Goal: investigate effect of biosolids for restoration and remediation of degraded coastal sage soils. 2000.

King County, Department of Research and Technology, Washington State. $100,000 grant awarded to University of Washington: Goal: To investigate odor emissions from biosolids application and the effect of polymers and ash on VOC emissions. 1998.

Northwest Biosolids Management Association, Washington State. $20,000 grant awarded to investigate effect of polymers and ash on VOC emissions from biosolids. 1997.

James River Corporation, Oregon: $10,000 grant was awarded to investigate the success of genetically engineered Poplar trees with resistance to round-up. 1996.

United State Forest Service, Tahoe National Forest: $15,000 grant was awarded to investigating fire ecology of the Tahoe National Forest. 1995.

Kellogg Foundation, Washington D.C. $500 grant was awarded to construct a large anaerobic digester on St. Kitts in West Indies. 1993

Deposition and/or Trial Testimony:

In the United States District Court For The District of New Jersey
Duarte et al, *Plaintiffs,* vs. United States Metals Refining Company et. al. *Defendant.*
Case No.: 2:17-cv-01624-ES-SCM
Rosenfeld Deposition. 6-7-2019

In the United States District Court of Southern District of Texas Galveston Division
M/T Carla Maersk, *Plaintiffs,* vs. Conti 168., Schiffahrts-GMBH & Co. Bulker KG MS "Conti Perdido" *Defendant.*
Case No.: 3:15-CV-00106 consolidated with 3:15-CV-00237
Rosenfeld Deposition. 5-9-2019

In The Superior Court of the State of California In And For The County Of Los Angeles – Santa Monica
Carole-Taddeo-Bates et al., vs. Ifran Khan et al., Defendants
Case No.: No. BC615636
Rosenfeld Deposition, 1-26-2019

In The Superior Court of the State of California In And For The County Of Los Angeles – Santa Monica
The San Gabriel Valley Council of Governments et al. vs El Adobe Apts. Inc. et al., Defendants
Case No.: No. BC646857
Rosenfeld Deposition, 10-6-2018; Trial 3-7-19

In United States District Court For The District of Colorado
Bells et al. Plaintiff vs. The 3M Company et al., Defendants
Case: No 1:16-cv-02531-RBJ
Rosenfeld Deposition, 3-15-2018 and 4-3-2018

In The District Court Of Regan County, Texas, 112th Judicial District
Phillip Bales et al., Plaintiff vs. Dow Agrosciences, LLC, et al., Defendants
Cause No 1923
Rosenfeld Deposition, 11-17-2017

In The Superior Court of the State of California In And For The County Of Contra Costa
Simons et al., Plaintiffs vs. Chevron Corporation, et al., Defendants
Cause No C12-01481
Rosenfeld Deposition, 11-20-2017

In The Circuit Court Of The Twentieth Judicial Circuit, St Clair County, Illinois
Martha Custer et al., Plaintiff vs. Cerro Flow Products, Inc., Defendants
Case No.: No. 0i9-L-2295
Rosenfeld Deposition, 8-23-2017

In The Superior Court of the State of California, For The County of Los Angeles
Warrn Gilbert and Penny Gilber, Plaintiff vs. BMW of North America LLC
Case No.: LC102019 (c/w BC582154)
Rosenfeld Deposition, 8-16-2017, Trail 8-28-2018

In the Northern District Court of Mississippi, Greenville Division
Brenda J. Cooper, et al., *Plaintiffs,* vs. Meritor Inc., et al., *Defendants*
Case Number: 4:16-cv-52-DMB-JVM
Rosenfeld Deposition: July 2017

In The Superior Court of the State of Washington, County of Snohomish
Michael Davis and Julie Davis et al., Plaintiff vs. Cedar Grove Composting Inc., Defendants
Case No.: No. 13-2-03987-5
Rosenfeld Deposition, February 2017
Trial, March 2017

In The Superior Court of the State of California, County of Alameda
Charles Spain., Plaintiff vs. Thermo Fisher Scientific, et al., Defendants
Case No.: RG14711115
Rosenfeld Deposition, September 2015

In The Iowa District Court In And For Poweshiek County
Russell D. Winburn, et al., Plaintiffs vs. Doug Hoksbergen, et al., Defendants
Case No.: LALA002187
Rosenfeld Deposition, August 2015

In The Iowa District Court For Wapello County
Jerry Dovico, et al., Plaintiffs vs. Valley View Sine LLC, et al., Defendants
Law No,: LALA105144 - Division A
Rosenfeld Deposition, August 2015

In The Iowa District Court For Wapello County
Doug Pauls, et al.,, et al., Plaintiffs vs. Richard Warren, et al., Defendants
Law No,: LALA105144 - Division A
Rosenfeld Deposition, August 2015

In The Circuit Court of Ohio County, West Virginia
Robert Andrews, et al. v. Antero, et al.
Civil Action N0. 14-C-30000
Rosenfeld Deposition, June 2015

In The Third Judicial District County of Dona Ana, New Mexico
Betty Gonzalez, et al. Plaintiffs vs. Del Oro Dairy, Del Oro Real Estate LLC, Jerry Settles and Deward DeRuyter, Defendants
Rosenfeld Deposition: July 2015

In The Iowa District Court For Muscatine County
Laurie Freeman et. al. Plaintiffs vs. Grain Processing Corporation, Defendant
Case No 4980
Rosenfeld Deposition: May 2015

In the Circuit Court of the 17th Judicial Circuit, in and For Broward County, Florida
Walter Hinton, et. al. Plaintiff, vs. City of Fort Lauderdale, Florida, a Municipality, Defendant.
Case Number CACE07030358 (26)
Rosenfeld Deposition: December 2014

In the United States District Court Western District of Oklahoma
Tommy McCarty, et al., Plaintiffs, v. Oklahoma City Landfill, LLC d/b/a Southeast Oklahoma City Landfill, et al. Defendants.
Case No. 5:12-cv-01152-C
Rosenfeld Deposition: July 2014

In the County Court of Dallas County Texas
Lisa Parr et al, *Plaintiff*, vs. Aruba et al, *Defendant.*
Case Number cc-11-01650-E
Rosenfeld Deposition: March and September 2013
Rosenfeld Trial: April 2014

In the Court of Common Pleas of Tuscarawas County Ohio
John Michael Abicht, et al., *Plaintiffs,* vs. Republic Services, Inc., et al., *Defendants*
Case Number: 2008 CT 10 0741 (Cons. w/ 2009 CV 10 0987)
Rosenfeld Deposition: October 2012

In the United States District Court of Southern District of Texas Galveston Division
Kyle Cannon, Eugene Donovan, Genaro Ramirez, Carol Sassler, and Harvey Walton, each Individually and on behalf of those similarly situated, *Plaintiffs,* vs. BP Products North America, Inc., *Defendant.*
Case 3:10-cv-00622
Rosenfeld Deposition: February 2012
Rosenfeld Trial: April 2013

In the Circuit Court of Baltimore County Maryland
Philip E. Cvach, II et al., *Plaintiffs* vs. Two Farms, Inc. d/b/a Royal Farms, Defendants
Case Number: 03-C-12-012487 OT
Rosenfeld Deposition: September 2013

EXHIBIT C

SWAPE Technical Consultation, Data Analysis and Litigation Support for the Environment

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Geologic and Hydrogeologic Characterization
Industrial Stormwater Compliance
Investigation and Remediation Strategies
Litigation Support and Testifying Expert
CEQA Review

Education:

M.S. Degree, Geology, California State University Los Angeles, Los Angeles, CA, 1984.
B.A. Degree, Geology, Humboldt State University, Arcata, CA, 1982.

Professional Certifications:

California Professional Geologist
California Certified Hydrogeologist
Qualified SWPPP Developer and Practitioner

Professional Experience:

Matt has 25 years of experience in environmental policy, assessment and remediation. He spent nine years with the U.S. EPA in the RCRA and Superfund programs and served as EPA's Senior Science Policy Advisor in the Western Regional Office where he identified emerging threats to groundwater from perchlorate and MTBE. While with EPA, Matt also served as a Senior Hydrogeologist in the oversight of the assessment of seven major military facilities undergoing base closure. He led numerous enforcement actions under provisions of the Resource Conservation and Recovery Act (RCRA) while also working with permit holders to improve hydrogeologic characterization and water quality monitoring.

Matt has worked closely with U.S. EPA legal counsel and the technical staff of several states in the application and enforcement of RCRA, Safe Drinking Water Act and Clean Water Act regulations. Matt has trained the technical staff in the States of California, Hawaii, Nevada, Arizona and the Territory of Guam in the conduct of investigations, groundwater fundamentals, and sampling techniques.

Positions Matt has held include:

- Founding Partner, Soil/Water/Air Protection Enterprise (SWAPE) (2003 – present);
- Geology Instructor, Golden West College, 2010 – 2014;
- Senior Environmental Analyst, Komex H2O Science, Inc. (2000 -- 2003);

- Executive Director, Orange Coast Watch (2001 – 2004);
- Senior Science Policy Advisor and Hydrogeologist, U.S. Environmental Protection Agency (1989–1998);
- Hydrogeologist, National Park Service, Water Resources Division (1998 – 2000);
- Adjunct Faculty Member, San Francisco State University, Department of Geosciences (1993 – 1998);
- Instructor, College of Marin, Department of Science (1990 – 1995);
- Geologist, U.S. Forest Service (1986 – 1998); and
- Geologist, Dames & Moore (1984 – 1986).

Senior Regulatory and Litigation Support Analyst:

With SWAPE, Matt's responsibilities have included:

- Lead analyst and testifying expert in the review of over 100 environmental impact reports since 2003 under CEQA that identify significant issues with regard to hazardous waste, water resources, water quality, air quality, Valley Fever, greenhouse gas emissions, and geologic hazards. Make recommendations for additional mitigation measures to lead agencies at the local and county level to include additional characterization of health risks and implementation of protective measures to reduce worker exposure to hazards from toxins and Valley Fever.
- Stormwater analysis, sampling and best management practice evaluation at industrial facilities.
- Manager of a project to provide technical assistance to a community adjacent to a former Naval shipyard under a grant from the U.S. EPA.
- Technical assistance and litigation support for vapor intrusion concerns.
- Lead analyst and testifying expert in the review of environmental issues in license applications for large solar power plants before the California Energy Commission.
- Manager of a project to evaluate numerous formerly used military sites in the western U.S.
- Manager of a comprehensive evaluation of potential sources of perchlorate contamination in Southern California drinking water wells.
- Manager and designated expert for litigation support under provisions of Proposition 65 in the review of releases of gasoline to sources drinking water at major refineries and hundreds of gas stations throughout California.
- Expert witness on two cases involving MTBE litigation.
- Expert witness and litigation support on the impact of air toxins and hazards at a school.
- Expert witness in litigation at a former plywood plant.

With Komex H2O Science Inc., Matt's duties included the following:

- Senior author of a report on the extent of perchlorate contamination that was used in testimony by the former U.S. EPA Administrator and General Counsel.
- Senior researcher in the development of a comprehensive, electronically interactive chronology of MTBE use, research, and regulation.
- Senior researcher in the development of a comprehensive, electronically interactive chronology of perchlorate use, research, and regulation.
- Senior researcher in a study that estimates nationwide costs for MTBE remediation and drinking water treatment, results of which were published in newspapers nationwide and in testimony against provisions of an energy bill that would limit liability for oil companies.
- Research to support litigation to restore drinking water supplies that have been contaminated by MTBE in California and New York.

- Expert witness testimony in a case of oil production-related contamination in Mississippi.
- Lead author for a multi-volume remedial investigation report for an operating school in Los Angeles that met strict regulatory requirements and rigorous deadlines.

- Development of strategic approaches for cleanup of contaminated sites in consultation with clients and regulators.

Executive Director:

As Executive Director with Orange Coast Watch, Matt led efforts to restore water quality at Orange County beaches from multiple sources of contamination including urban runoff and the discharge of wastewater. In reporting to a Board of Directors that included representatives from leading Orange County universities and businesses, Matt prepared issue papers in the areas of treatment and disinfection of wastewater and control of the discharge of grease to sewer systems. Matt actively participated in the development of countywide water quality permits for the control of urban runoff and permits for the discharge of wastewater. Matt worked with other nonprofits to protect and restore water quality, including Surfrider, Natural Resources Defense Council and Orange County CoastKeeper as well as with business institutions including the Orange County Business Council.

Hydrogeology:

As a Senior Hydrogeologist with the U.S. Environmental Protection Agency, Matt led investigations to characterize and cleanup closing military bases, including Mare Island Naval Shipyard, Hunters Point Naval Shipyard, Treasure Island Naval Station, Alameda Naval Station, Moffett Field, Mather Army Airfield, and Sacramento Army Depot. Specific activities were as follows:

- Led efforts to model groundwater flow and contaminant transport, ensured adequacy of monitoring networks, and assessed cleanup alternatives for contaminated sediment, soil, and groundwater.
- Initiated a regional program for evaluation of groundwater sampling practices and laboratory analysis at military bases.
- Identified emerging issues, wrote technical guidance, and assisted in policy and regulation development through work on four national U.S. EPA workgroups, including the Superfund Groundwater Technical Forum and the Federal Facilities Forum.

At the request of the State of Hawaii, Matt developed a methodology to determine the vulnerability of groundwater to contamination on the islands of Maui and Oahu. He used analytical models and a GIS to show zones of vulnerability, and the results were adopted and published by the State of Hawaii and County of Maui.

As a hydrogeologist with the EPA Groundwater Protection Section, Matt worked with provisions of the Safe Drinking Water Act and NEPA to prevent drinking water contamination. Specific activities included the following:

- Received an EPA Bronze Medal for his contribution to the development of national guidance for the protection of drinking water.
- Managed the Sole Source Aquifer Program and protected the drinking water of two communities through designation under the Safe Drinking Water Act. He prepared geologic reports, conducted public hearings, and responded to public comments from residents who were very concerned about the impact of designation.

- Reviewed a number of Environmental Impact Statements for planned major developments, including large hazardous and solid waste disposal facilities, mine reclamation, and water transfer.

Matt served as a hydrogeologist with the RCRA Hazardous Waste program. Duties were as follows:

- Supervised the hydrogeologic investigation of hazardous waste sites to determine compliance with Subtitle C requirements.
- Reviewed and wrote "part B" permits for the disposal of hazardous waste.
- Conducted RCRA Corrective Action investigations of waste sites and led inspections that formed the basis for significant enforcement actions that were developed in close coordination with U.S. EPA legal counsel.
- Wrote contract specifications and supervised contractor's investigations of waste sites.

With the National Park Service, Matt directed service-wide investigations of contaminant sources to prevent degradation of water quality, including the following tasks:

- Applied pertinent laws and regulations including CERCLA, RCRA, NEPA, NRDA, and the Clean Water Act to control military, mining, and landfill contaminants.
- Conducted watershed-scale investigations of contaminants at parks, including Yellowstone and Olympic National Park.
- Identified high-levels of perchlorate in soil adjacent to a national park in New Mexico and advised park superintendent on appropriate response actions under CERCLA.
- Served as a Park Service representative on the Interagency Perchlorate Steering Committee, a national workgroup.
- Developed a program to conduct environmental compliance audits of all National Parks while serving on a national workgroup.
- Co-authored two papers on the potential for water contamination from the operation of personal watercraft and snowmobiles, these papers serving as the basis for the development of nation-wide policy on the use of these vehicles in National Parks.
- Contributed to the Federal Multi-Agency Source Water Agreement under the Clean Water Action Plan.

Policy:

Served senior management as the Senior Science Policy Advisor with the U.S. Environmental Protection Agency, Region 9. Activities included the following:

- Advised the Regional Administrator and senior management on emerging issues such as the potential for the gasoline additive MTBE and ammonium perchlorate to contaminate drinking water supplies.
- Shaped EPA's national response to these threats by serving on workgroups and by contributing to guidance, including the Office of Research and Development publication, Oxygenates in Water: Critical Information and Research Needs.
- Improved the technical training of EPA's scientific and engineering staff.
- Earned an EPA Bronze Medal for representing the region's 300 scientists and engineers in negotiations with the Administrator and senior management to better integrate scientific principles into the policy-making process.
- Established national protocol for the peer review of scientific documents.

Geology:

With the U.S. Forest Service, Matt led investigations to determine hillslope stability of areas proposed for timber harvest in the central Oregon Coast Range. Specific activities were as follows:

- Mapped geology in the field, and used aerial photographic interpretation and mathematical models to determine slope stability.
- Coordinated his research with community members who were concerned with natural resource protection.
- Characterized the geology of an aquifer that serves as the sole source of drinking water for the city of Medford, Oregon.

As a consultant with Dames and Moore, Matt led geologic investigations of two contaminated sites (later listed on the Superfund NPL) in the Portland, Oregon, area and a large hazardous waste site in eastern Oregon. Duties included the following:

- Supervised year-long effort for soil and groundwater sampling.
- Conducted aquifer tests.
- Investigated active faults beneath sites proposed for hazardous waste disposal.

Teaching:

From 1990 to 1998, Matt taught at least one course per semester at the community college and university levels:

- At San Francisco State University, held an adjunct faculty position and taught courses in environmental geology, oceanography (lab and lecture), hydrogeology, and groundwater contamination.
- Served as a committee member for graduate and undergraduate students.
- Taught courses in environmental geology and oceanography at the College of Marin.

Matt taught physical geology (lecture and lab and introductory geology at Golden West College in Huntington Beach, California from 2010 to 2014.

Invited Testimony, Reports, Papers and Presentations:

Hagemann, M.F., 2008. Disclosure of Hazardous Waste Issues under CEQA. Presentation to the Public Environmental Law Conference, Eugene, Oregon.

Hagemann, M.F., 2008. Disclosure of Hazardous Waste Issues under CEQA. Invited presentation to U.S. EPA Region 9, San Francisco, California.

Hagemann, M.F., 2005. Use of Electronic Databases in Environmental Regulation, Policy Making and Public Participation. Brownfields 2005, Denver, Coloradao.

Hagemann, M.F., 2004. Perchlorate Contamination of the Colorado River and Impacts to Drinking Water in Nevada and the Southwestern U.S. Presentation to a meeting of the American Groundwater Trust, Las Vegas, NV (served on conference organizing committee).

Hagemann, M.F., 2004. Invited testimony to a California Senate committee hearing on air toxins at schools in Southern California, Los Angeles.

Brown, A., Farrow, J., Gray, A. and **Hagemann, M.**, 2004. An Estimate of Costs to Address MTBE Releases from Underground Storage Tanks and the Resulting Impact to Drinking Water Wells. Presentation to the Ground Water and Environmental Law Conference, National Groundwater Association.

Hagemann, M.F., 2004. Perchlorate Contamination of the Colorado River and Impacts to Drinking Water in Arizona and the Southwestern U.S. Presentation to a meeting of the American Groundwater Trust, Phoenix, AZ (served on conference organizing committee).

Hagemann, M.F., 2003. Perchlorate Contamination of the Colorado River and Impacts to Drinking Water in the Southwestern U.S. Invited presentation to a special committee meeting of the National Academy of Sciences, Irvine, CA.

Hagemann, M.F., 2003. Perchlorate Contamination of the Colorado River. Invited presentation to a tribal EPA meeting, Pechanga, CA.

Hagemann, M.F., 2003. Perchlorate Contamination of the Colorado River. Invited presentation to a meeting of tribal repesentatives, Parker, AZ.

Hagemann, M.F., 2003. Impact of Perchlorate on the Colorado River and Associated Drinking Water Supplies. Invited presentation to the Inter-Tribal Meeting, Torres Martinez Tribe.

Hagemann, M.F., 2003. The Emergence of Perchlorate as a Widespread Drinking Water Contaminant. Invited presentation to the U.S. EPA Region 9.

Hagemann, M.F., 2003. A Deductive Approach to the Assessment of Perchlorate Contamination. Invited presentation to the California Assembly Natural Resources Committee.

Hagemann, M.F., 2003. Perchlorate: A Cold War Legacy in Drinking Water. Presentation to a meeting of the National Groundwater Association.

Hagemann, M.F., 2002. From Tank to Tap: A Chronology of MTBE in Groundwater. Presentation to a meeting of the National Groundwater Association.

Hagemann, M.F., 2002. A Chronology of MTBE in Groundwater and an Estimate of Costs to Address Impacts to Groundwater. Presentation to the annual meeting of the Society of Environmental Journalists.

Hagemann, M.F., 2002. An Estimate of the Cost to Address MTBE Contamination in Groundwater (and Who Will Pay). Presentation to a meeting of the National Groundwater Association.

Hagemann, M.F., 2002. An Estimate of Costs to Address MTBE Releases from Underground Storage Tanks and the Resulting Impact to Drinking Water Wells. Presentation to a meeting of the U.S. EPA and State Underground Storage Tank Program managers.

Hagemann, M.F., 2001. From Tank to Tap: A Chronology of MTBE in Groundwater. Unpublished report.

Hagemann, M.F., 2001. Estimated Cleanup Cost for MTBE in Groundwater Used as Drinking Water. Unpublished report.

Hagemann, M.F., 2001. Estimated Costs to Address MTBE Releases from Leaking Underground Storage Tanks. Unpublished report.

Hagemann, M.F., and VanMouwerik, M., 1999. Potential Water Quality Concerns Related to Snowmobile Usage. Water Resources Division, National Park Service, Technical Report.

VanMouwerik, M. and **Hagemann, M.F**. 1999, Water Quality Concerns Related to Personal Watercraft Usage. Water Resources Division, National Park Service, Technical Report.

Hagemann, M.F., 1999, Is Dilution the Solution to Pollution in National Parks? The George Wright Society Biannual Meeting, Asheville, North Carolina.

Hagemann, M.F., 1997, The Potential for MTBE to Contaminate Groundwater. U.S. EPA Superfund Groundwater Technical Forum Annual Meeting, Las Vegas, Nevada.

Hagemann, M.F., and Gill, M., 1996, Impediments to Intrinsic Remediation, Moffett Field Naval Air Station, Conference on Intrinsic Remediation of Chlorinated Hydrocarbons, Salt Lake City.

Hagemann, M.F., Fukunaga, G.L., 1996, The Vulnerability of Groundwater to Anthropogenic Contaminants on the Island of Maui, Hawaii. Hawaii Water Works Association Annual Meeting, Maui, October 1996.

Hagemann, M. F., Fukanaga, G. L., 1996, Ranking Groundwater Vulnerability in Central Oahu, Hawaii. Proceedings, Geographic Information Systems in Environmental Resources Management, Air and Waste Management Association Publication VIP-61.

Hagemann, M.F., 1994. Groundwater Characterization and Cleanup at Closing Military Bases in California. Proceedings, California Groundwater Resources Association Meeting.

Hagemann, M.F. and Sabol, M.A., 1993. Role of the U.S. EPA in the High Plains States Groundwater Recharge Demonstration Program. Proceedings, Sixth Biennial Symposium on the Artificial Recharge of Groundwater.

Hagemann, M.F., 1993. U.S. EPA Policy on the Technical Impracticability of the Cleanup of DNAPL-contaminated Groundwater. California Groundwater Resources Association Meeting.

Hagemann, M.F., 1992. Dense Nonaqueous Phase Liquid Contamination of Groundwater: An Ounce of Prevention... Proceedings, Association of Engineering Geologists Annual Meeting, v. 35.

Other Experience:

Selected as subject matter expert for the California Professional Geologist licensing examination, 2009-2011.

Appendix B

Arborist Report, prepared by Dudek

FINAL

Arborist Report

Derby Mixed Use Project City Of Arcadia, California

JUNE 2023

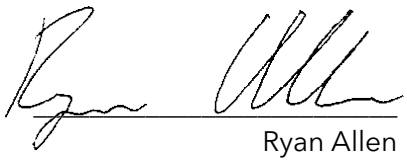
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Urban Forester

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Table of Contents

SECTION **PAGE NO.**

1 Introduction 5
1.1 Summary 6
1.2 Assignment 7
1.3 Project Description 7
2 Methods 9
2.1 Individual Tree Evaluation 9
2.2 Tree Impact Analysis 10
2.3 Scope of Work Limitations 10
3 Findings/Results 11
3.1 Inventory Summary 11
3.2 Project-Related Impacts 12
4 Regulatory Requirements and Recommendations 13
4.1 Recommendations 13
4.2 Tree Permits 14
5 Disclosure 16

TABLE(S)

Table 1. Summary of Existing Trees 11
Table 2. Replacement Recommendations for Proposed Tree Removals 12

FIGURE(S)

1 Regional and Vicinity Map 8

APPENDIX(CES)

A Tree Location Exhibit
B Tree Impact Exhibit
C Tree Information Matrix
D Representative Site Photographs
E Tree Protection Measures

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Acronyms and Abbreviations

Acronym/Abbreviation	Definition [Table Heading (RGB: 15, 43,77)]
ISA	International Society of Arboriculture
DSH	Diameter at Standard Height

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1 Introduction

This report summarizes Dudek's evaluation and analysis of tree resources at the proposed Derby Mixed Use Project (Project or proposed Project) in Arcadia, California. The Project site is comprised of 2.23 acres of developed land on two parcels in the City of Arcadia at 233 E. Huntington Drive (APN 5773-009-070, The Derby Restaurant) and 301 E. Huntington Drive (APN 5773-009-065, Souplantation). The Project site is bound by Hampton Inn Hotel and parking lot to the north, E. Huntington Drive to the south, Gateway Drive to the east, and the Embassy Suites Hotel to the west (Assessor Parcel Numbers [APN] 5773-006-036, -010, -004, and -005) located in the City of Arcadia (City) within Los Angeles County (Figure 1 – Regional Location and Vicinity Map).

The field inventory and assessments of the survey area's trees were conducted on March 31, 2022. The survey area included the Project site and the adjacent streets of Huntington Drive and Gateway Drive of the Project site, where off-site trees could be impacted by Project construction or operation. This report includes a discussion of tree inventory, evaluation, and analysis methods, a summary of findings, identification of anticipated impacts, and tree protection recommendations consistent with Section 9110.01 of the Development Code and the tree removal permit process specified therein, as well as Chapter 8, Comprehensive Tree Management Program, of the City's Municipal Code governing the planting, maintenance, removal and replacement of City-owned trees on public property.

Under Section 9110.01 of the Development Code, the City requires a permit for removal or encroachment upon the canopy or protected zone of a protected tree, which are defined as:

1. Engelmann Oak (*Quercus Engelmannii*) or Coast Live Oak (*Quercus Agrifolia*) with a trunk diameter larger than four (4) inches measured at a point four and one-half (4½) feet above the root crown, or two (2) or more trunks measuring three (3) inches each or greater in diameter, measured at a point four and one-half (4½) feet above the root crown.

2. Any other living California native or non-California native Oak tree with a trunk diameter larger than twelve (12) inches measured at a point four and one-half (4½) feet above the root crown, or two (2) or more trunks measuring ten (10) inches each or greater in diameter, measured at a point four and one-half (4½) feet above the root crown.

3. California, or western, Sycamore (*Platanus Racemose*) with a trunk diameter larger than six (6) inches measured at a point four and one-half (4½) feet above the root crown, or two (2) or more trunks measuring four (4) inches each or greater in diameter, measured at a point four and one-half (4½) feet above the root crown.

4. Mature Tree. Any tree, with the exception of the trees listed as Unprotected Trees, that have a trunk diameter larger than twelve (12) inches measured at a point four and one-half (4½) feet above the root crown, or two (2) or more trunks measuring ten (10) inches each or greater in diameter, measured at a point of four and one-half (4½) feet above the root crown and the tree is located within a required front, side, street-side, or rear yard setback.

Chapter 8, Comprehensive Tree Management Program, of the City's Municipal Code governs the planting, maintenance, removal, and replacement of City-owned trees on public property. Regarding permits required, Chapter 8, Section 9806 states:

> No person shall plant, remove, cut any portion of or damage any City-owned tree or shrub on any public property without first obtaining a permit from the Arcadia Public Works Department. The person receiving the permit shall abide by the standards set forth in the permit, this Chapter and all other applicable sections of this Code. The permit shall be void and of no further effect thirty (30) days from and after the date it is issued, unless a longer duration is specifically provided for when the permit is issued.

The analysis of potential tree impacts in this report considers the requirements outlined in Section 9110.01 of the City's Development Code, as well as Chapter 8 and other applicable sections of City's Municipal Code. The proposed Project would remove four (4) City-owned street trees and would result in encroachment upon City-owned street trees due to the proposed site development. Section 4 of this report summarizes the City's regulatory requirements and makes further recommendations related to anticipated on-site tree removal and construction encroachment into the regulated zone of street trees.

1.1 Summary

The field survey recorded 78 trees within the survey area, which includes 66 on-site trees and 12 off-site street trees located on E. Huntington Drive or Gateway Drive. Based on an evaluation of the most current site plan (dated March 24, 2022), the disturbance area is focused in existing developed areas, consisting primarily of existing buildings and parking lots. Construction of the proposed Project is expected to require removal of up to 64 non-protected trees on-site, and four off-site City-owned street trees (1 London plane sycamore and 3 crape myrtle). Furthermore, eight off-site street trees (6 London plane sycamore, 1 sago palm, 1 windmill palm) would be encroached upon as a result of proposed excavation for the subterranean parking structure, building construction, and/or public right-or-way improvements. The inventoried tree locations are depicted in Appendix A, Tree Location Exhibit. The proposed Project's tree impacts are depicted in Appendix B, Tree Impact Exhibit.

No trees on-site are subject to regulation under Division 10, Section 9110.01, Tree Preservation, of the City's Development Code (Tree Preservation Ordinance), adopted April 2021. Therefore, no tree replacement is required for the removal of on-site trees.

The 12 off-site trees (7 London plane sycamore, 3 crape myrtle, 1 sago palm, 1 windmill palm) identified as off-site street trees within the survey area are subject to regulation under Chapter 8, Comprehensive Tree Management Program, of the City Municipal Code. Replacement of the four (4) City-owned street trees shall be determined by the Director of Public works. City-issued permits are not required for removal of tree limbs or pruning or trimming branches of street trees in conjunction with construction activities; however, the City requires that pruning or trimming be completed in accordance with the industry standards as set forth by the International Society of Arboriculture or the American National Standards Institute (ANSI), and in consultation with a Certified Arborist.

Finally, Section 4 of this report provides construction-related tree protection recommendations and recommendations for long-term maintenance and care for street trees that will be retained adjacent to the Project site, as well as for future on-site replacement trees. A long-term monitoring and maintenance program is recommended to mitigate for encroachments into the regulated zone of retained street trees.

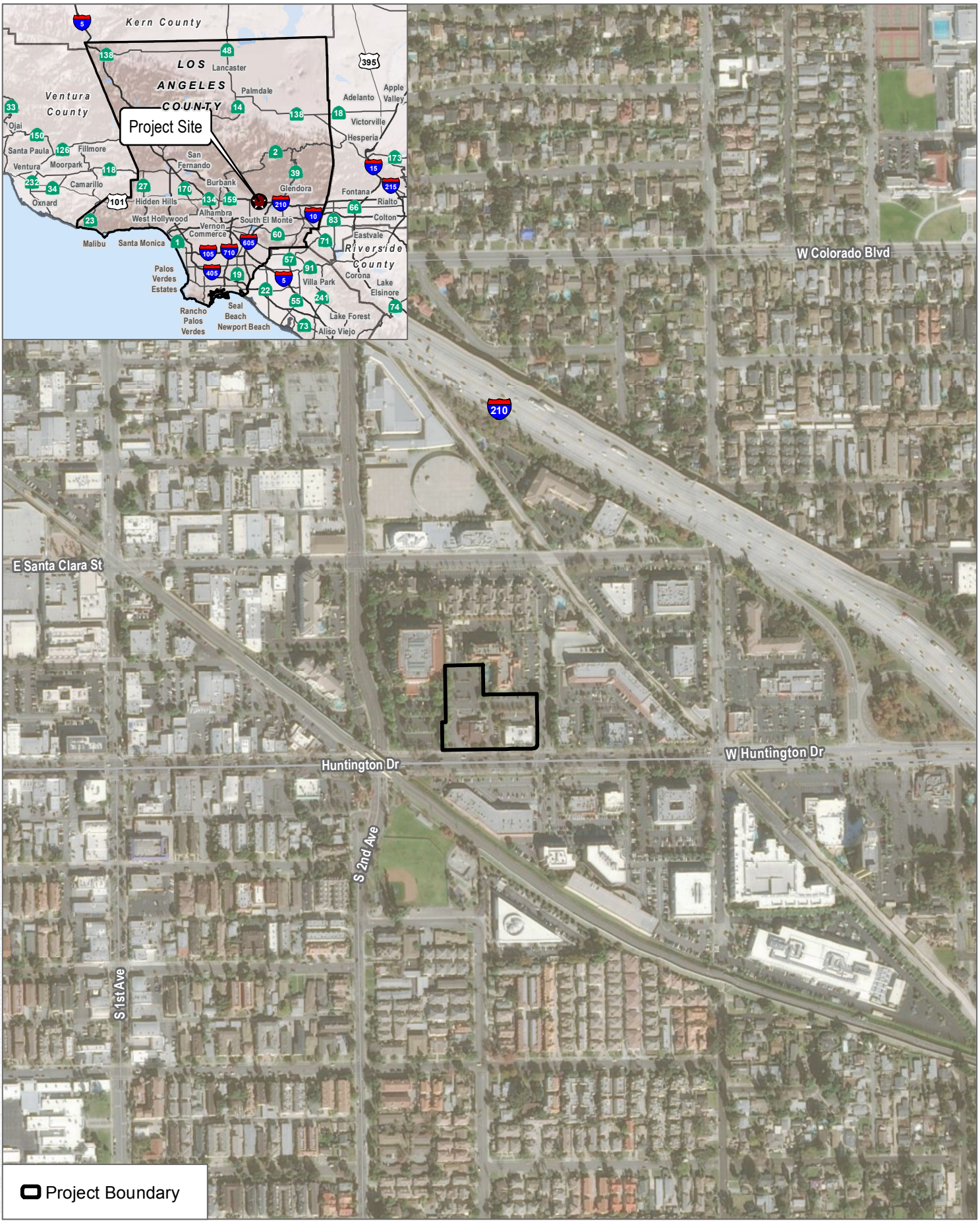
1.2 Assignment

Dudek's International Society of Arboriculture (ISA) Certified Arborists performed the following tasks:

- Assessed and inventoried all trees within the survey area and documented species, general health, general structural condition, size, appearance, and presence of pests within the 2.23 acre proposed Project site and adjacent public right-of-way;
- Mapped the location of trees in the survey area using global positioning system (GPS) technology as necessary to develop a tree location exhibit and for planning reference;
- Prepared a tree information matrix that details the attributes of each tree and identifies the species and protection status;
- Analyzed tree attribute data and coordinated with the Project design team to promote tree retention on site, to the maximum extent practicable;
- Evaluated tree impacts based on the Project site plans, and;
- Prepared this report to document the results of field surveys and impact analyses and provide recommendations for tree regulation and impact mitigation measures in accordance with the provisions of the City's Tree Preservation Ordinance and Chapter 8 of the City's Municipal Code.

1.3 Project Description

The Applicant desires to create a new mixed-use project that would include six stories of multi-family residential dwelling units on upper levels alongside a larger The Derby Restaurant and second story indoor/outdoor lounge as its centerpiece along with another new restaurant and a café, both fronting E. Huntington Drive. A café space opposite The Derby Restaurant—and fronting the courtyard and street—would provide complementary pedestrian activity. Mostly continuous retail and residential frontage with a covered passageway to hidden parking would complete the relationship to E. Huntington Drive and Gateway Drive. The six-story building massing fronting E. Huntington Drive would step back approximately 30 feet at the fifth and sixth floors to provide a landscaped residential pool and amenity space. Along the Gateway Drive frontage, the massing would terrace back from the frontage several times as well include a 50-foot by 55-foot ground level landscaped vehicular entry courtyard. The Project would also reconfigure portions of the medians along E. Huntington Drive and Gateway Drive to improve circulation.



SOURCE: ESRI 2020

DUDEK

0 250 500 Feet

FIGURE 1

Project Location

Derby Mixed Use Project

2 Methods

2.1 Individual Tree Evaluation

Dudek's ISA Certified Arborist, Ryan Allen (WE-10316A), conducted the following tree inventory and tree evaluation:

- March 31, 2022– tree inventory and evaluation to document tree locations and attribute information for all protected trees within the survey area.

The arborist examined and mapped all trees that may be disturbed by the proposed development. Tree attribute data collected during the field survey included species, trunk diameter, tree height, canopy spread, general health condition, structural condition and presences of observable pests or other tree maladies. Trunk diameters were measured using a diameter tape which provides adjusted numbers for diameter measurements when wrapping the tape around the circumference of the trunk of a tree. Diameter measurements were collected using standard protocol described by the Council of Tree and Landscape Appraisers in the "Guide for Plant Appraisal," published by the ISA and in accordance with guidance given in the City's Municipal Code/Development Code.

Trunk diameter measurements were taken at 4.5 feet above the ground along the trunk axis, with a few common exceptions. In cases where the trunk of a tree split into multiple stems at approximately 4.5 feet above the ground, the measurement was made at the location that best represented the trunk's diameter. Tree height measurements were estimated by the arborist, and tree crown radius measurements were documented by "pacing-off" the measurement based on the arborist's knowledge of his stride length or visually estimating the canopy width.

Pursuant to the Guide for Plant Appraisal (ISA 2000), tree health and structure were evaluated with respect to five distinct tree components: roots, trunk, scaffold branches, small branches, and foliage. Health and structure were graded as *good*, *good/fair*, *fair*, *fair/poor*, and *poor*. Good condition trees exhibit acceptable vigor, healthy foliage, minor if any structural issues, and no apparent maladies. Fair condition trees are typical, with few maladies, moderate structural issues, and may exhibit less vigor in foliage and new growth. Trees assigned a poor condition rating by the arborist exhibit significant health or structural problems or damage. Representative photographs of the tree survey area trees are provided in Appendix D, Representative Site Photographs.

The location of each individual regulated tree was mapped using a Trimble Pathfinder Pro XH Global Positioning System (GPS) receiver. The Pathfinder has a horizontal accuracy of 1-meter (1-sigma) using differential code positioning techniques. Since tree canopies can sometimes cause loss of satellite lock by blocking the line-of-sight to satellites, an electronic compass and reflectorless electronic distance measuring (EDM) device was also used in mapping tree locations. The EDM/compass combination operates in concert with the Pathfinder system to position offsets, and offset information is automatically attached to the GPS position data string. Dudek used the data collected to create a master tree inventory data set, inclusive of all regulated trees within the tree survey area.

Individual tree locations are presented in Appendix A, Tree Location Exhibit, and individual tree attribute data and impact determination is presented in Appendix B, Tree Impact Exhibit and Appendix C, Tree Information Matrix.

2.2 Tree Impact Analysis

Following data collection, processing, and analysis efforts, an impact determination was made for each tree based on proximity to the proposed disturbance area and building footprint. Impact determinations used in this report include the following: 1) Not Impacted (tree not affected by Project); 2) Removal (tree to be removed); and 3) Encroachment (Project disturbance would occur within the protected zone of the tree). A summary of Project-related tree impacts is presented in Section 3.2 of this report, and Appendix C provides impact determination status for each tree recorded in the tree survey area.

2.3 Scope of Work Limitations

No root crown excavations or investigations, internal probing, or aerial canopy inspections were performed during the tree assessments. Therefore, the presence or absence of internal decay or other hidden or inaccessible inferiorities in individual trees could not be confirmed. It is recommended that any large tree proposed for preservation in an urban setting be thoroughly inspected for internal or subterranean decay by a qualified arborist before finalizing preservation or relocation plans.

3 Findings/Results

3.1 Inventory Summary

Dudek's arborist recorded 78 trees within the on-site survey area and off-site street trees. Of these, no trees meet the criteria for regulation under City's Tree Preservation Ordinance and 12 trees meet the criteria for regulation under the Tree Management Program. Table 1 provides a summary of the species and regulatory status of the trees mapped within the tree survey area.

Table 1. Summary of Existing Trees

Scientific Name	Common Name	Tree Quantities			
		On-Site Protected Trees	Off-Site Street Trees	On-Site Non-Protected Trees	Total (All Trees)
Bauhinia x blakeana	Hong Kong orchid	0	0	1	1
Chitalpa taskentensis	chitalpa	0	0	2	2
Cupaniopsis anacardioides	carrotwood	0	0	1	1
Cycas revoluta	sago palm	0	1	0	1
Eucalyptus camaldulensis	river red gum	0	0	1	1
Ficus macrocarpa	Indian laurel fig	0	0	2	2
Jacaranda mimosifolia	jacaranda	0	0	7	7
Koelreuteria bipinnata	Chinese flame	0	0	16	16
Lagerstroemia indica	crape myrtle	0	3	8	8
Platanus x hispanica	London plane	0	7	1	8
Schinus terebinthifolius	Brazilian pepper	0	0	6	6
Syagrus romanzoffianum	queen palm	0	0	20	20
Trachycarpus fortunei	windmill palm	0	1	0	1
Washingtonia robusta	Mexican fan palm	0	0	1	1
	TOTAL	**0**	**12**	**66**	**78**

As presented in Appendix C of this report, 34 (44%) of the trees exhibit fair health, 30 (38%) trees exhibit good health, and 14 (18%) tree shows signs of poor health. Additionally, 34 trees (44%) have poor structure, 24 trees (31%) have fair structure, and 19 trees (24%) have good structure.

Trees in the tree on-site and off-site survey area vary in size and stature according to species. Aggregate trunk diameters of the trees within the tree survey area ranges from 2 inches to 43 inches. Tree heights vary from 3 feet to 55 feet. Tree canopy extents range from 2 feet to nearly 30 feet at their widest location. Individual attributes of each tree are presented in Appendix C.

3.2 Project-Related Impacts

There is wide variation in tolerance to construction impacts among tree species and the response of an individual tree to impacts also varies with age and condition. Impacts assessed for the Project include those trees with protected zones on or adjacent to the proposed improvements and identified disturbance areas as defined in the project site plan. The impact discussion in this section identifies all impacts anticipated to result to regulated trees based on an evaluation of tree locations compared with the Project site plan. Much of the site will need to be graded to accommodate the construction of buildings, parking lots, and the placement of necessary infrastructure.

The analysis of affected trees presented below is based on the proposed Project footprint. For the purposes of this report, tree removal is conservatively considered necessary when the trunk is located inside or within 2 feet of the proposed limits of development. Encroachment is expected when soil and roots are disturbed within the tree-protected zone (canopy drip line plus 5 feet or 15 feet from trunk, whichever is greater). Typically, specific circumstances allow some protected trees that are being encroached upon to be preserved in place within or adjacent to the development area. Table 2 summarizes impact determinations for protected trees, street trees, and non-regulation trees within the tree survey area that are subject to regulation under the City's Tree Preservation Ordinance and Tree Management Program. As illustrated in Appendix B, the Project would remove 64 on-site, non-protected trees and four off-site, City owned trees. In addition, two on-site, non-protected trees and eight off-site, City-owned street trees would be encroached upon.

Table 2. Summary of Tree Impact Determinations

Species	On-Site Protected Trees		Off-Site Street Trees		On-Site Non-Protected Trees		
Botanical Name	Removal	Encroach	Removal	Encroach	Removal	Encroach	Total
Bauhinia x blakeana	0	0	0	0	1	0	1
Chitalpa taskentensis	0	0	0	0	2	0	2
Cupaniopsis anacardioides	0	0	0	0	1	0	1
Cycas revoluta	0	0	0	1	0	0	1
Eucalyptus camaldulensis	0	0	0	0	1	0	1
Ficus macrocarpa	0	0	0	0	2	0	2
Jacaranda mimosifolia	0	0	0	0	5	2	7
Koelreuteria bipinnata	0	0	0	0	16	0	16
Lagerstroemia indica	0	0	3	0	8	0	11
Platanus x hispanica	0	0	1	6	1	0	8
Schinus terebinthifolius	0	0	0	0	6	0	6
Syagrus romanzoffianum	0	0	0	0	20	0	20
Trachycarpus fortunei	0	0	0	1	0	0	1
Washingtonia robusta	0	0	0	0	1	0	1
Totals	**0**	**0**	**4**	**8**	**64**	**2**	**78**

4 Regulatory Requirements and Recommendations

4.1 Recommendations

Removals

Chapter 8, Comprehensive Tree Management Program, of the City's Municipal Code defines the requirements for street-tree (i.e., City-owned-tree) removals as follows:

> **Section 9804. - Street Trees—Removal.**
> Street trees may be removed either by the City or by the owner of real property adjacent to the street tree only under the circumstances and in accordance with the tree removal policy, as set forth in the City of Arcadia Street Tree Master Plan, as it is adopted and may be amended from time to time by resolution of the City Council.
>
> **Section 9806. - Permit Required.**
> No person shall plant, remove, cut any portion of or damage any City-owned tree or shrub on any public property without first obtaining a permit from the Arcadia Public Works Department. The person receiving the permit shall abide by the standards set forth in the permit, this Chapter and all other applicable sections of this Code. The permit shall be void and of no further effect thirty (30) days from and after the date it is issued, unless a longer duration is specifically provided for when the permit is issued.
>
> **Section 9807. - Fee.**
> A property owner who requests removal of a street tree shall pay to the City the actual costs of street tree removal and replacement. Before a street tree is removed pursuant to this Chapter at the request of a property owner, the property owner shall submit to the City a deposit equal to the amount determined by the Director of Public Works to be the estimated cost to remove and replace the street tree (depending on size of the tree and other parameters that may impact the ability to remove/replace the tree). Following completion of street tree removal and replacement, the Director of Public Works will refund to the property owner any portion of the deposit which exceeds the actual costs of the street tree removal and replacement. In the event that the actual cost of street tree removal and replacement exceeds the amount of the deposit, the property owner shall promptly pay to the City the difference upon receipt of billing from the City.

Encroachment into Regulated Zone and Retained Trees

In accordance with Section 9812, Tree Planting and Maintenance Regulations, of the City's Municipal Code, Appendix E of this report provides recommendations to reduce potential damage from encroachments into the regulated zone of City-owned street trees. These recommendations include measures that go beyond the requirements set forth by the City but would contribute to the health of the trees retained adjacent to the Project site, as well as the replacement trees required and recommended to be planted on-site. The measures included in Appendix E are also consistent with the provisions of Division 10 Section 9110.01.090, Protective Measures, of the City's Development Code and would help minimize impacts related to the construction of the proposed Project.

Appendix E includes measures to implement prior to, during, and following construction. This includes measures such as exclusion fencing and worker training to avoid direct impacts to trees, and measures such as irrigation and monthly inspections by an arborist to promote the long-term health of retained trees. Dudek also recommends arborist monitoring during construction when encroachments occur in order to minimize root disturbance and determine the best course of actions for root pruning, supplemental irrigation, branch trimming, or other measures that would minimize the impacts from ground disturbing or other potential impactful activities.

4.2 Tree Permits

The proposed Project would require removal of four (4) City-owned street trees. Consistent with Section 9806 of the City Municipal Code, the applicant will need to obtain a permit for removal of these trees. Additionally, consistent with Section 9807 of the City Municipal Code, the applicant will be required to pay a fee determined by the Director of Public Works.

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5 Disclosure

This arborist report provides conclusions and recommendations based only on a visual examination of the trees within the tree survey area by International Society of Arboriculture Certified Arborists and reasonable reliance on the completeness and accuracy of the information provided to the arborist. The examination did not include subterranean or internal examination of the trees.

Arborists are tree specialists who use their education, knowledge, training, and experience to examine trees, recommend measures to enhance the beauty and health of trees, and attempt to reduce the risk of living near them. Although trees provide many benefits to those who live near them, they also include inherent risks from breakage or failure that can be minimized but not eliminated.

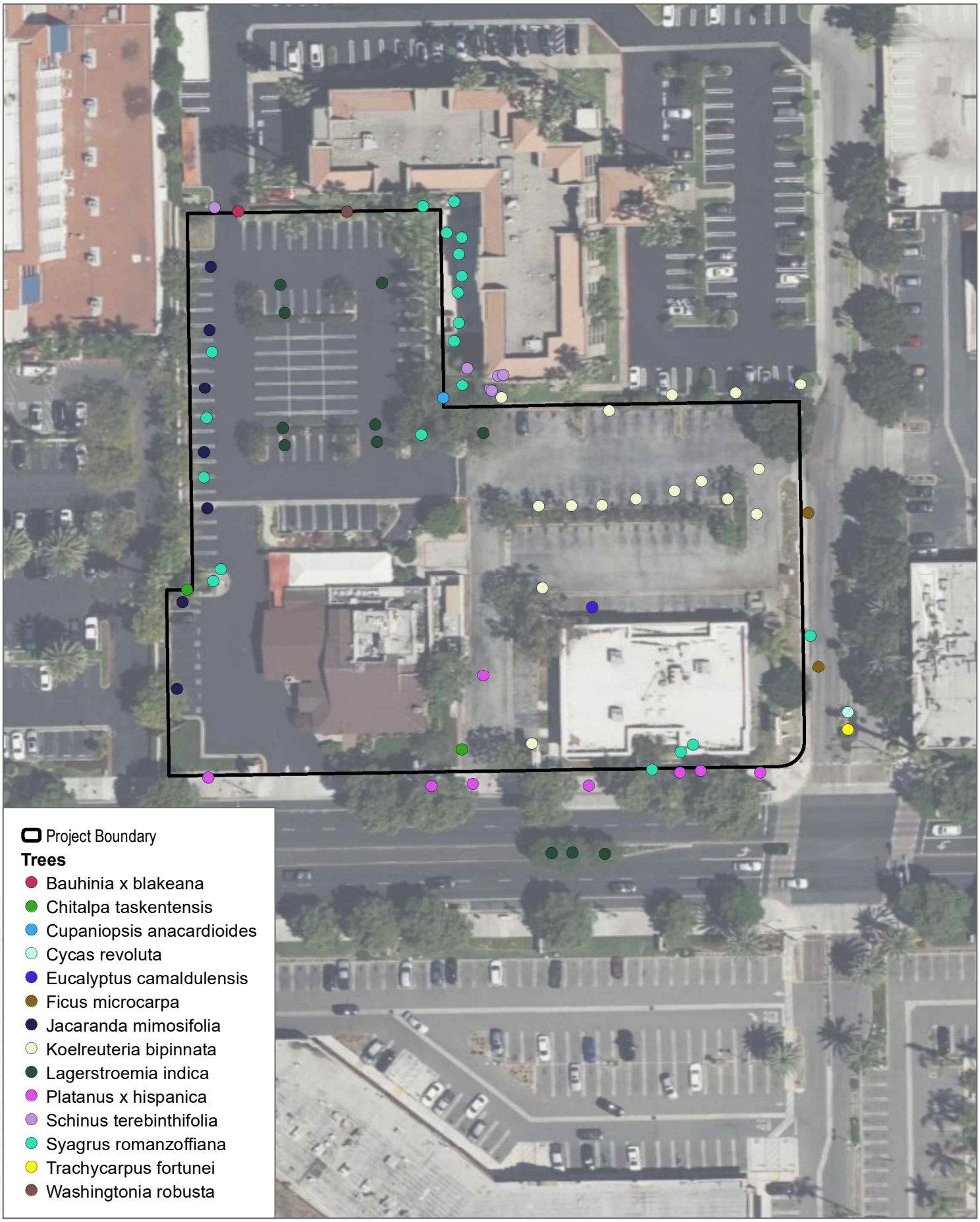
Arborists cannot detect every condition that could possibly lead to the failure of a tree. Trees are living organisms subject to attack by disease, insects, fungi, weather, and other forces of nature, and conditions that lead to failure are often hidden within trees and belowground. There are some inherent risks with trees that cannot be predicted with any degree of certainty, even by a skilled and experienced arborist. Arborists cannot predict acts of nature, including, without limitation, storms of sufficient strength, which can cause an apparently healthy tree to fail. Additionally, arborists cannot guarantee that a tree will be healthy or safe under all circumstances or for any specific period of time. A tree's condition could change over a short or long period of time due to climatic, cultural, or environmental conditions. Further, there is no guarantee or certainty that recommendations or efforts to correct unsafe conditions will prevent future breakage or failure of a tree.

To live or work near trees is to accept some degree of risk. Neither the author of this Arborist report nor Dudek have assumed any responsibility for or will be liable for any claims, losses, or damages for damage to any tree, death or injury to any person, or any loss of or damage to any personal or real property.

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Appendix A

Tree Location Exhibit



SOURCE: ESRI 2020

DUDEK

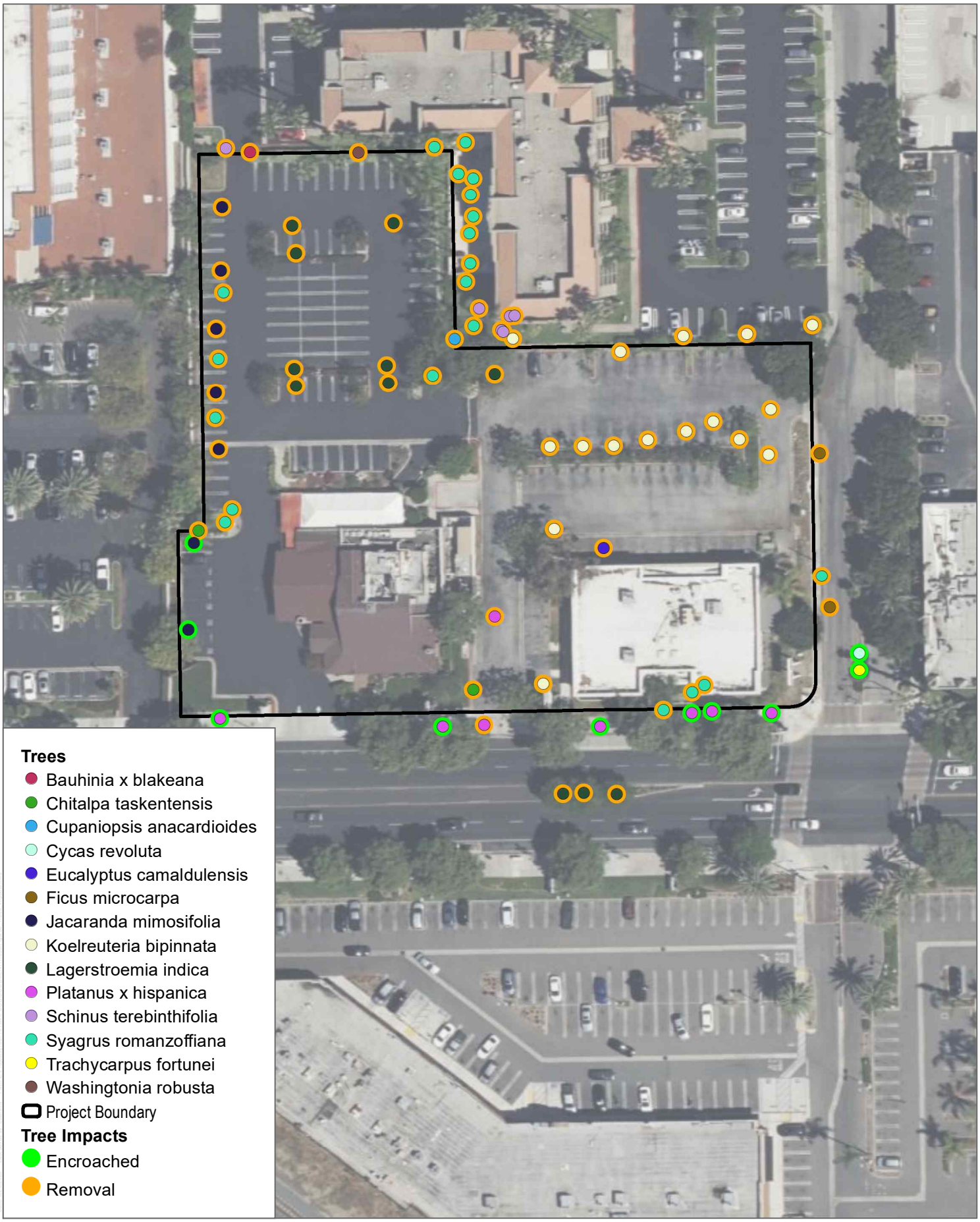
0 37.5 75 Feet

FIGURE 2

Tree Species

Derby Mixed Use Project

Appendix B
Tree Impact Exhibit



SOURCE: ESRI 2020

DUDEK

0 37.5 75 Feet

FIGURE 3

Tree Species - Impacts

Derby Mixed Use Project

Appendix C
Tree Information Matrix

Attachment C - Tree Information Matrix																
Tree No.	Botanical Name	Common Name	Trunk DSH	Number of Stems	Individual Stems					Height (ft.)	Canopy (ft.)	Health	Structure	Impact Status	Protected Status	Street Tree
					S1	S2	S3	S4	S5							
1	*Ficus microcarpa*	Indian laurel fig	26	1	26	0	0	0	0	30	30	Good	Fair	Removal	No	No
2	*Syagrus romanzoffiana*	queen palm	13	1	13	0	0	0	0	25	20	Good	Good	Removal	No	No
3	*Ficus microcarpa*	Indian laurel fig	22	1	22	0	0	0	0	25	20	Good	Fair	Removal	No	No
4	*Platanus x hispanica*	London plane	16	1	16	0	0	0	0	40	30	Good	Fair	Encroached	Yes	Yes
5	*Platanus x hispanica*	London plane	11	1	11	0	0	0	0	30	20	Good	Fair	Encroached	Yes	Yes
6	*Platanus x hispanica*	London plane	10	1	10	0	0	0	0	30	20	Good	Fair	Encroached	Yes	Yes
7	*Syagrus romanzoffiana*	queen palm	13	1	13	0	0	0	0	20	15	Good	Good	Removal	No	No
8	*Syagrus romanzoffiana*	queen palm	13	1	13	0	0	0	0	15	15	Good	Good	Removal	No	No
9	*Syagrus romanzoffiana*	queen palm	15	1	15	0	0	0	0	15	15	Good	Good	Removal	No	No
10	*Platanus x hispanica*	London plane	13	1	13	0	0	0	0	35	25	Good	Fair	Encroached	Yes	Yes
11	*Koelreuteria bipinnata*	Chinese flame	12	1	12	0	0	0	0	30	20	Fair	Poor	Removal	No	No
12	*Platanus x hispanica*	London plane	14	1	14	0	0	0	0	35	20	Fair	Fair	Removal	No	No
13	*Chitalpa taskentensis*	chitalpa	9	1	9	0	0	0	0	20	20	Fair	Poor	Removal	No	No
14	*Platanus x hispanica*	London plane	16	1	16	0	0	0	0	40	30	Good	Fair	Removal	Yes	Yes
15	*Platanus x hispanica*	London plane	16	1	16	0	0	0	0	40	30	Good	Fair	Encroached	Yes	Yes
16	*Platanus x hispanica*	London plane	13	1	13	0	0	0	0	40	30	Good	Fair	Encroached	Yes	Yes
17	*Jacaranda mimosifolia*	jacaranda	19	1	19	0	0	0	0	30	30	Fair	Poor	Encroached	No	No
18	*Jacaranda mimosifolia*	jacaranda	15	1	15	0	0	0	0	25	15	Fair	Poor	Encroached	No	No
19	*Chitalpa taskentensis*	chitalpa	5	1	5	0	0	0	0	10	10	Fair	Poor	Removal	No	No
20	*Syagrus romanzoffiana*	queen palm	11	1	11	0	0	0	0	20	15	Fair	Good	Removal	No	No
21	*Syagrus romanzoffiana*	queen palm	11	1	11	0	0	0	0	20	15	Fair	Good	Removal	No	No
22	*Jacaranda mimosifolia*	jacaranda	16	1	16	0	0	0	0	20	20	Fair	Poor	Removal	No	No
23	*Syagrus romanzoffiana*	queen palm	10	1	10	0	0	0	0	20	10	Fair	Fair	Removal	No	No
24	*Jacaranda mimosifolia*	jacaranda	17	1	17	0	0	0	0	25	20	Fair	Poor	Removal	No	No
25	*Syagrus romanzoffiana*	queen palm	10	1	10	0	0	0	0	20	10	Good	Good	Removal	No	No
26	*Jacaranda mimosifolia*	jacaranda	15	1	15	0	0	0	0	20	20	Fair	Poor	Removal	No	No
27	*Syagrus romanzoffiana*	queen palm	9	1	9	0	0	0	0	10	10	Fair	Fair	Removal	No	No
28	*Jacaranda mimosifolia*	jacaranda	20	1	20	0	0	0	0	25	20	Fair	Poor	Removal	No	No
29	*Jacaranda mimosifolia*	jacaranda	20	1	20	0	0	0	0	25	20	Fair	Poor	Removal	No	No
30	*Schinus terebinthifolia*	Brazilian pepper	5	3	3	1	1	0	0	10	10	Fair	Poor	Removal	No	No
31	*Lagerstroemia indica*	crape myrtle	5	1	5	0	0	0	0	15	10	Good	Good	Removal	No	No
32	*Lagerstroemia indica*	crape myrtle	17	3	6	6	5	0	0	15	10	Good	Poor	Removal	No	No
33	*Lagerstroemia indica*	crape myrtle	7	1	7	0	0	0	0	15	10	Good	Fair	Removal	No	No
34	*Washingtonia robusta*	Mexican fan palm	27	1	27	0	0	0	0	55	10	Fair	Good	Removal	No	No
35	*Bauhinia x blakeana*	Hong Kong orchid	2	2	1	1	0	0	0	10	7	Fair	Fair	Removal	No	No
36	*Syagrus romanzoffiana*	queen palm	13	1	13	0	0	0	0	30	15	Good	Good	Removal	No	No
37	*Syagrus romanzoffiana*	queen palm	12	1	12	0	0	0	0	35	15	Good	Good	Removal	No	No
38	*Syagrus romanzoffiana*	queen palm	12	1	12	0	0	0	0	25	15	Fair	Fair	Removal	No	No
39	*Syagrus romanzoffiana*	queen palm	9	1	9	0	0	0	0	30	15	Good	Good	Removal	No	No
40	*Syagrus romanzoffiana*	queen palm	13	1	13	0	0	0	0	20	10	Fair	Good	Removal	No	No
41	*Syagrus romanzoffiana*	queen palm	12	1	12	0	0	0	0	20	15	Good	Good	Removal	No	No
42	*Syagrus romanzoffiana*	queen palm	10	1	10	0	0	0	0	30	15	Good	Good	Removal	No	No
43	*Syagrus romanzoffiana*	queen palm	12	1	12	0	0	0	0	20	10	Fair	Good	Removal	No	No
44	*Syagrus romanzoffiana*	queen palm	8	1	8	0	0	0	0	20	5	Poor	Fair	Removal	No	No
45	*Schinus terebinthifolia*	Brazilian pepper	16	5	7	3	2	2	2	20	20	Fair	Poor	Removal	No	No
46	*Syagrus romanzoffiana*	queen palm	10	1	10	0	0	0	0	30	15	Good	Good	Removal	No	No
47	*Cupaniopsis anacardioides*	carrot wood	38	5	11	8	8	7	4	20	20	Fair	Poor	Removal	No	No
48	*Syagrus romanzoffiana*	queen palm	11	1	11	0	0	0	0	15	5	Poor	Fair	Removal	No	No
49	*Lagerstroemia indica*	crape myrtle	5	1	5	0	0	0	0	15	8	Good	Good	Removal	No	No
50	*Lagerstroemia indica*	crape myrtle	6	1	6	0	0	0	0	15	10	Fair	Fair	Removal	No	No
51	*Lagerstroemia indica*	crape myrtle	6	1	6	0	0	0	0	15	10	Good	Fair	Removal	No	No
52	*Lagerstroemia indica*	crape myrtle	5	1	5	0	0	0	0	15	8	Fair	Fair	Removal	No	No
53	*Lagerstroemia indica*	crape myrtle	4	1	4	0	0	0	0	10	10	Fair	Poor	Removal	No	No

54	*Schinus terebinthifolia*	Brazilian pepper	11	1	11	0	0	0	0	15	15	Good	Poor	Removal	No	No
55	*Schinus terebinthifolia*	Brazilian pepper	10	1	10	0	0	0	0	20	15	Fair	Poor	Removal	No	No
56	*Schinus terebinthifolia*	Brazilian pepper	15	2	8	7	0	0	0	20	10	Fair	Poor	Removal	No	No
57	*Schinus terebinthifolia*	Brazilian pepper	43	5	15	8	8	7	5	25	20	Fair	Poor	Removal	No	No
58	*Koelreuteria bipinnata*	Chinese flame	9	1	9	0	0	0	0	30	20	Fair	Poor	Removal	No	No
59	*Koelreuteria bipinnata*	Chinese flame	13	1	13	0	0	0	0	25	20	Fair	Poor	Removal	No	No
60	*Eucalyptus camaldulensis*	river red gum	19	1	19	0	0	0	0	50	30	Good	Fair	Removal	No	No
61	*Koelreuteria bipinnata*	Chinese flame	14	1	14	0	0	0	0	30	20	Fair	Poor	Removal	No	No
62	*Koelreuteria bipinnata*	Chinese flame	11	1	11	0	0	0	0	20	15	Poor	Poor	Removal	No	No
63	*Koelreuteria bipinnata*	Chinese flame	11	1	11	0	0	0	0	20	15	Poor	Poor	Removal	No	No
64	*Koelreuteria bipinnata*	Chinese flame	10	1	10	0	0	0	0	20	15	Poor	Poor	Removal	No	No
65	*Koelreuteria bipinnata*	Chinese flame	11	1	11	0	0	0	0	20	10	Poor	Poor	Removal	No	No
66	*Koelreuteria bipinnata*	Chinese flame	11	1	11	0	0	0	0	25	20	Poor	Poor	Removal	No	No
67	*Koelreuteria bipinnata*	Chinese flame	12	1	12	0	0	0	0	25	15	Poor	Poor	Removal	No	No
68	*Koelreuteria bipinnata*	Chinese flame	10	1	10	0	0	0	0	20	15	Poor	Poor	Removal	No	No
69	*Koelreuteria bipinnata*	Chinese flame	12	1	12	0	0	0	0	20	15	Poor	Poor	Removal	No	No
70	*Koelreuteria bipinnata*	Chinese flame	8	2	5	3	0	0	0	10	2	Poor	Poor	Removal	No	No
71	*Koelreuteria bipinnata*	Chinese flame	11	1	11	0	0	0	0	15	10	Poor	Poor	Removal	No	No
72	*Koelreuteria bipinnata*	Chinese flame	13	1	13	0	0	0	0	15	5	Poor	Poor	Removal	No	No
73	*Koelreuteria bipinnata*	Chinese flame	14	1	14	0	0	0	0	20	10	Fair	Poor	Removal	No	No
74	*Cycas revoluta*	sago palm	0	1	0	0	0	0	0	3	2	Fair	Fair	Encroached	Yes	Yes
75	*Trachycarpus fortunei*	windimll palm	7	1	7	0	0	0	0	12	6	Poor	Fair	Encroached	Yes	Yes
76	*Lagerstroemia indica*	crape myrtle	8	1	8	0	0	0	0	20	10	Good	Good	Removal	Yes	Yes
77	*Lagerstroemia indica*	crape myrtle	10	4	3	3	2	2	0	20	15	Good	Fair	Removal	Yes	Yes
78	*Lagerstroemia indica*	crape myrtle	16	4	5	4	4	3	0	20	15	Good	Fair	Removal	Yes	Yes

Appendix D
Representative Site Photographs

Appendix D -Photograph Log
Derby Mixed Use Project, Arcadia, CA.



Photo #1. Representative view of tree nos. 2 and 3 facing south.



Photo #2. Representative view of London plane sycamore street trees facing west.

Photographs were taken on March 31, 2022

Appendix D -Photograph Log
Derby Mixed Use Project, Arcadia, CA.



Photo #3. Representative view of jacaranda trees on west end of the property, facing west.



Photo #4. Representative view of jacaranda trees on west end of the property, facing north.

Photographs were taken on March 31, 2022

Appendix D -Photograph Log
Derby Mixed Use Project, Arcadia, CA.



Photo #5. Representative view of queen palms on north end of the property, facing east.



Photo #6. Representative view of crape myrtle trees in parking lot facing south.

Photographs were taken on March 31, 2022

Appendix D -Photograph Log
Derby Mixed Use Project, Arcadia, CA.



Photo #7. Representative view of Chinese flame trees in parking lot facing east.



Photo #8. View of river red gum facing south.

Photographs were taken on March 31, 2022

Appendix E
Tree Protection Measures

Appendix E - Tree Protection Measures

The following sections are included as general guidelines for tree protection from construction impacts. The measures presented should be monitored by arborists and enforced by contractors and developers for maximum benefit to the trees.

Tree Protection Measures Prior to Construction

Prior to any construction activity (drainage, demolition, material removal or delivery), oak and landmark trees with canopies that fall within 30 feet of construction activity shall be protected by fencing and signage. All contractors shall be made aware of the tree protection measures. A project arborist shall be assigned to monitor tree health and construction activity near retained trees on site. The project arborist shall be an International Society of Arboriculture (ISA) Certified Arborist.

Fencing and Signage: A 6-foot high, chain link fence with tree protection signs shall be erected around all trees (or tree groups) with canopies that fall within 30 feet of construction activity. The protective fence should be installed at a distance from the trunk that is equal to the dripline radius plus 5 feet (protected tree zone). For any trees that would be encroached upon by construction activities, fencing shall be placed as far away from trunk of the tree as possible while still allowing the required construction activities to proceed. This fencing will delineate the tree protection zone and prevent unwanted activity in and around the trees in order to reduce soil compaction in the root zones of the trees and other damage from heavy equipment. Fences are to be mounted on two-inch diameter galvanized iron posts, driven into the ground to a depth of at least 2-feet at no more than 10-foot spacing. In areas where fencing is located on paving or concrete that will not be demolished, then the posts may be supported by an appropriate grade level concrete base. Tree protection signs should be attached to every fourth post. The contractor shall maintain the fence to keep it upright, taut, and aligned at all times. Fencing shall be removed only after all construction activities are complete.

Pre-Construction Meeting: A pre-construction meeting shall be held between all contractors and the arborist. The arborist will instruct the contractors on tree protection practices and answer any questions. All equipment operators and spotters, assistants, or those directing operators from the ground, shall provide written acknowledgement of their receiving tree protection training. This training shall include information on the location and marking of protected trees, the necessity of preventing damage, and the discussion of work practices that will accomplish such.

Protection and Maintenance during Construction

Once construction activities have begun the following measures shall be adhered to:

Avoidance: Signs, ropes, cables, or any other items shall not be attached to any tree.

Equipment Operation and Storage: Operating heavy machinery around the root zones of trees will increase soil compaction, which decreases soil aeration and subsequently reduces water penetration in the soil. All heavy equipment and vehicles shall stay out of the fenced tree protection zone, unless where specifically approved in writing by the City Arborist and under the supervision of an ISA Certified Arborist.

Storage and Disposal: Do not store or discard any supply or material, including paint, lumber, concrete overflow, etc. within the fenced tree protection zone. Remove all foreign debris within the fenced tree protection zone; it is important to leave the duff, mulch, chips, and leaves around the

retained trees for water retention and nutrients. Avoid draining or leakage of equipment fluids near retained trees. Fluids such as: gasoline, diesel, oils, hydraulics, brake and transmission fluids, paint, paint thinners, and glycol (anti-freeze) should be disposed of properly. Keep equipment parked outside of the fenced tree protection zone of retained trees to avoid the possibility of leakage of equipment fluids into the soil. The effect of toxic equipment fluids on the retained trees could lead to decline and death.

Moving Construction Materials: Care will be taken when moving equipment or supplies near the trees, especially overhead. Avoid damaging the tree(s) when transporting or moving construction materials and working around retained trees (even outside of the fenced tree protection zone). Above ground tree parts that could be damaged (e.g., low limbs, trunks) should be flagged with red ribbon. If contact with the tree crown is unavoidable, prune the conflicting branch(es) using ISA or ANSI A300 standards.

Grade Changes: Grade changes, including adding fill, are not permitted within the tree protection zone, without special written authorization and under supervision by a Certified Arborist. Lowering the grade within this area will necessitate cutting main support and feeder roots, jeopardizing the health and structural integrity of the tree(s). Adding soil, even temporarily, on top of the existing grade will compact the soil further, and decrease both water and air availability to the trees' roots.

Trenching: Unless a Tree Permit has been issued for trenching activity within the fenced tree protection zone, all trenching shall be outside of the fenced tree protection zone. Roots primarily extend in a horizontal direction forming a support base to the tree similar to the base of a wineglass. Where trenching is necessary in areas that contain tree roots, prune the roots using a Dosko root pruner or equivalent. All cuts should be clean and sharp, to minimize ripping, tearing, and fracturing of the root system. The trench should be made no deeper than necessary.

Irrigation: Trees that have been substantially root pruned (30% or more of their root zone) will require irrigation for the first twelve months. The first irrigation should be within 48 hours of root pruning. They should be deep watered every two to four weeks during the summer and once a month during the winter (adjust accordingly with rainfall). One irrigation cycle should thoroughly soak the root zones of the trees to a depth of 3 feet. The soil should dry out between watering; avoid keeping a consistently wet soil. Designate one person to be responsible for irrigating (deep watering) the trees. Check soil moisture with a soil probe before irrigating. Irrigation is best accomplished by installing a temporary above ground micro-spray system that will distribute water slowly (to avoid runoff) and evenly throughout the fenced tree protection zone ***but never soaking the area located within 6- feet of the tree trunk***.

Canopy Pruning: Do not prune any of the trees until all construction is completed. This will help protect the tree canopies from damage. All pruning shall be completed under the direction of an ISA Certified Arborist and using ISA guidelines. Only dead wood shall be removed from tree canopies.

Washing: Periodic washing of the foliage is recommended during construction but no more than once every two weeks. Washing should include the upper and lower leaf surfaces and the tree bark. This should continue beyond the construction period at a less frequent rate with a high-powered hose only in the early morning hours. Washing will help control dirt/dust buildup that can lead to mite and insect infestations.

Inspection: An ISA Certified Arborist shall inspect the trees on at least a monthly basis for the duration of construction activity. A summary report documenting observations and management recommendations shall be submitted to the owner following each inspection. Photographs of representative trees are to be included in each report.

Maintenance after Construction

Once construction is complete the tree protection fencing may be removed and the following measures performed to sustain and enhance the vigor of the preserved trees.

Mulch: Provide a 4-inch mulch layer under the canopy of trees. Mulch should include clean, organic mulch that will provide long-term soil conditioning, soil moisture retention, and soil temperature control.

Pruning: Pruning should *only* be done to maintain clearance and remove broken, dead or diseased branches. Pruning shall only take place following a recommendation by an ISA Certified Arborist and performed under the supervision of an ISA Certified Arborist. No more than 15% of the canopy shall be removed at any one time. All pruning shall conform to ISA or ANSI A300 standards.

Watering: Retained trees on site shall be watered as they were prior to the commencement of construction activity. Supplemental irrigation may be necessary for twelve months following substantial root pruning.

Watering Adjacent Plant Material: All plants near the trees shall be compatible with water requirements of said trees. Watering regime included in the site's landscape plan shall be developed with consideration for the water needs of retained trees.

Spraying: If the trees are maintained in a healthy state, regular spraying for insect or disease control should not be necessary. If a problem does develop, an ISA Certified Arborist should be consulted; the trees may require application of insecticides to prevent the intrusion of bark-boring beetles and other invading pests. All chemical spraying should be performed by a licensed applicator under the direction of a licensed pest control advisor.

Monitoring: All trees within 30 feet of construction activity shall be monitored by an ISA Certified Arborist for the first two years after construction completion. An annual monitoring report shall be submitted to the City Arborist. Each report shall summarize the inspection efforts, document observations and management actions taken, include photographs of each tree, and compare post-construction tree conditions with the original, pre-construction baseline condition. If any retained trees die within this inspection period, they shall be replaced at a ratio approved by the City.

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Appendix C-1

CalEEMod Outputs, prepared by Dudek

Derby Mixed Use EIR_Proposed Project 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

2.3. Construction Emissions by Year, Mitigated

2.4. Operations Emissions Compared Against Thresholds

2.5. Operations Emissions by Sector, Unmitigated

2.6. Operations Emissions by Sector, Mitigated

3. Construction Emissions Details

3.1. Demolition (2024) - Unmitigated

3.2. Demolition (2024) - Mitigated

3.3. Site Preparation (2024) - Unmitigated

3.4. Site Preparation (2024) - Mitigated

3.5. Grading (2024) - Unmitigated

3.6. Grading (2024) - Mitigated

3.7. Building Construction (2024) - Unmitigated

3.8. Building Construction (2024) - Mitigated

3.9. Building Construction (2025) - Unmitigated

3.10. Building Construction (2025) - Mitigated

3.11. Paving (2025) - Unmitigated

3.12. Paving (2025) - Mitigated

3.13. Architectural Coating (2025) - Unmitigated

3.14. Architectural Coating (2025) - Mitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.1.2. Mitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.2. Electricity Emissions By Land Use - Mitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.2.4. Natural Gas Emissions By Land Use - Mitigated

4.3. Area Emissions by Source

4.3.2. Unmitigated

4.3.1. Mitigated

4.4. Water Emissions by Land Use

4.4.2. Unmitigated

4.4.1. Mitigated

4.5. Waste Emissions by Land Use

4.5.2. Unmitigated

4.5.1. Mitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.6.2. Mitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.7.2. Mitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.8.2. Mitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.9.2. Mitigated

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

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.2.2. Mitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.3.2. Mitigated

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

5.9.2. Mitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.10.4. Landscape Equipment - Mitigated

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.11.2. Mitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.12.2. Mitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.13.2. Mitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.14.2. Mitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

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

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

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	Derby Mixed Use EIR_Proposed Project
Construction Start Date	3/1/2024
Operational Year	2025
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	0.50
Precipitation (days)	24.4
Location	34.140501873238875, -118.02369376129494
County	Los Angeles-South Coast
City	Arcadia
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4923
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.12

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

Enclosed Parking with Elevator	117	1000sqft	0.00	117,480	0.00	—	—	—
Fast Food Restaurant w/o Drive Thru	1.40	1000sqft	0.00	1,400	0.00	—	—	—
High Turnover (Sit Down Restaurant)	3.30	1000sqft	0.00	3,300	0.00	—	—	—
Quality Restaurant	12.8	1000sqft	0.00	12,850	0.00	—	—	—
Recreational Swimming Pool	1.00	1000sqft	0.00	1,000	0.00	—	—	—
Apartments Mid Rise	214	Dwelling Unit	2.23	202,870	11,304	—	608	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Transportation	T-1	Increase Residential Density
Transportation	T-3	Provide Transit-Oriented Development
Transportation	T-4	Integrate A ordable and Below Market Rate Housing

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.	3.46	2.31	38.3	28.8	0.14	0.99	7.71	8.69	0.93	2.64	3.56	—	19,956	19,956	1.04	2.78	40.2	20,851
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	2.74	66.9	22.3	26.3	0.06	0.74	5.46	6.20	0.68	0.99	1.67	—	7,776	7,776	0.38	0.84	0.41	8,038
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.62	5.24	10.9	14.9	0.03	0.34	2.42	2.76	0.32	0.58	0.90	—	4,805	4,805	0.22	0.40	4.44	4,933
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.30	0.96	1.99	2.72	0.01	0.06	0.44	0.50	0.06	0.11	0.16	—	796	796	0.04	0.07	0.74	817

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	3.46	2.31	38.3	28.8	0.14	0.99	7.71	8.69	0.93	2.64	3.56	—	19,956	19,956	1.04	2.78	40.2	20,851
2025	2.61	2.19	13.2	27.4	0.03	0.42	3.41	3.83	0.38	0.78	1.16	—	6,562	6,562	0.28	0.32	14.6	6,679
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	2.74	2.29	22.3	26.3	0.06	0.74	5.46	6.20	0.68	0.99	1.67	—	7,776	7,776	0.38	0.84	0.41	8,038
2025	2.60	66.9	13.4	25.2	0.03	0.42	3.41	3.83	0.38	0.78	1.16	—	6,411	6,411	0.28	0.32	0.38	6,515
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	1.62	1.29	10.9	14.9	0.03	0.34	2.42	2.76	0.32	0.58	0.90	—	4,805	4,805	0.22	0.40	4.44	4,933
2025	1.46	5.24	7.63	14.5	0.02	0.24	1.87	2.11	0.22	0.42	0.64	—	3,579	3,579	0.16	0.18	3.46	3,639
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.30	0.23	1.99	2.72	0.01	0.06	0.44	0.50	0.06	0.11	0.16	—	796	796	0.04	0.07	0.74	817
2025	0.27	0.96	1.39	2.65	< 0.005	0.04	0.34	0.39	0.04	0.08	0.12	—	593	593	0.03	0.03	0.57	602

2.3. Construction Emissions by Year, Mitigated

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	3.46	2.31	38.3	28.8	0.14	0.99	7.71	8.69	0.93	2.64	3.56	—	19,956	19,956	1.04	2.78	40.2	20,851
2025	2.61	2.19	13.2	27.4	0.03	0.42	3.41	3.83	0.38	0.78	1.16	—	6,562	6,562	0.28	0.32	14.6	6,679
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	2.74	2.29	22.3	26.3	0.06	0.74	5.46	6.20	0.68	0.99	1.67	—	7,776	7,776	0.38	0.84	0.41	8,038
2025	2.60	66.9	13.4	25.2	0.03	0.42	3.41	3.83	0.38	0.78	1.16	—	6,411	6,411	0.28	0.32	0.38	6,515
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	1.62	1.29	10.9	14.9	0.03	0.34	2.42	2.76	0.32	0.58	0.90	—	4,805	4,805	0.22	0.40	4.44	4,933
2025	1.46	5.24	7.63	14.5	0.02	0.24	1.87	2.11	0.22	0.42	0.64	—	3,579	3,579	0.16	0.18	3.46	3,639
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.30	0.23	1.99	2.72	0.01	0.06	0.44	0.50	0.06	0.11	0.16	—	796	796	0.04	0.07	0.74	817
2025	0.27	0.96	1.39	2.65	< 0.005	0.04	0.34	0.39	0.04	0.08	0.12	—	593	593	0.03	0.03	0.57	602

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.	15.8	18.9	11.5	136	0.29	0.28	9.93	10.2	0.27	1.77	2.04	147	31,802	31,948	16.3	1.17	134	32,838
Mit.	11.9	15.4	8.57	102	0.21	0.23	7.04	7.27	0.22	1.25	1.48	147	23,511	23,658	15.9	0.85	104	24,415

% Reduced	25%	18%	26%	25%	28%	19%	29%	29%	18%	29%	28%	—	26%	26%	2%	27%	23%	26%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	13.4	16.7	12.4	108	0.27	0.27	9.93	10.2	0.26	1.77	2.03	147	30,540	30,686	16.4	1.22	31.6	31,491
Mit.	9.57	13.2	9.10	76.8	0.20	0.22	7.04	7.26	0.21	1.25	1.46	147	22,600	22,747	16.0	0.89	30.8	23,443
% Reduced	29%	21%	26%	29%	28%	19%	29%	29%	19%	29%	28%	—	26%	26%	2%	27%	3%	26%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	11.9	15.5	9.18	89.7	0.19	0.22	6.54	6.76	0.21	1.16	1.38	147	21,567	21,713	16.0	0.88	58.9	22,434
Mit.	8.80	12.7	6.68	65.5	0.13	0.18	4.43	4.61	0.18	0.79	0.97	147	15,683	15,830	15.7	0.63	49.2	16,459
% Reduced	26%	18%	27%	27%	31%	18%	32%	32%	17%	32%	30%	—	27%	27%	2%	29%	16%	27%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.18	2.83	1.67	16.4	0.03	0.04	1.19	1.23	0.04	0.21	0.25	24.3	3,571	3,595	2.65	0.15	9.74	3,714
Mit.	1.61	2.32	1.22	11.9	0.02	0.03	0.81	0.84	0.03	0.14	0.18	24.3	2,597	2,621	2.60	0.10	8.14	2,725
% Reduced	26%	18%	27%	27%	31%	18%	32%	32%	17%	32%	30%	—	27%	27%	2%	29%	16%	27%

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	13.4	12.0	10.2	118	0.28	0.18	9.93	10.1	0.17	1.77	1.94	—	28,504	28,504	1.29	1.08	105	28,963
Area	2.20	6.78	0.17	18.0	< 0.005	0.01	—	0.01	0.02	—	0.02	0.00	56.8	56.8	< 0.005	< 0.005	—	57.0

Energy	0.13	0.06	1.14	0.71	0.01	0.09	—	0.09	0.09	—	0.09	—	3,153	3,153	0.29	0.02	—	3,167
Water	—	—	—	—	—	—	—	—	—	—	—	25.6	87.9	113	2.63	0.06	—	198
Waste	—	—	—	—	—	—	—	—	—	—	—	121	0.00	121	12.1	0.00	—	424
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	28.9	28.9
Total	15.8	18.9	11.5	136	0.29	0.28	9.93	10.2	0.27	1.77	2.04	147	31,802	31,948	16.3	1.17	134	32,838
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	13.3	11.9	11.2	107	0.27	0.18	9.93	10.1	0.17	1.77	1.94	—	27,298	27,298	1.34	1.14	2.73	27,673
Area	0.00	4.72	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.13	0.06	1.14	0.71	0.01	0.09	—	0.09	0.09	—	0.09	—	3,153	3,153	0.29	0.02	—	3,167
Water	—	—	—	—	—	—	—	—	—	—	—	25.6	87.9	113	2.63	0.06	—	198
Waste	—	—	—	—	—	—	—	—	—	—	—	121	0.00	121	12.1	0.00	—	424
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	28.9	28.9
Total	13.4	16.7	12.4	108	0.27	0.27	9.93	10.2	0.26	1.77	2.03	147	30,540	30,686	16.4	1.22	31.6	31,491
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	10.3	9.33	7.92	76.6	0.18	0.12	6.54	6.66	0.11	1.16	1.28	—	18,286	18,286	0.97	0.79	30.0	18,577
Area	1.51	6.13	0.12	12.3	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	38.9	38.9	< 0.005	< 0.005	—	39.0
Energy	0.13	0.06	1.14	0.71	0.01	0.09	—	0.09	0.09	—	0.09	—	3,153	3,153	0.29	0.02	—	3,167
Water	—	—	—	—	—	—	—	—	—	—	—	25.6	87.9	113	2.63	0.06	—	198
Waste	—	—	—	—	—	—	—	—	—	—	—	121	0.00	121	12.1	0.00	—	424
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	28.9	28.9
Total	11.9	15.5	9.18	89.7	0.19	0.22	6.54	6.76	0.21	1.16	1.38	147	21,567	21,713	16.0	0.88	58.9	22,434
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.88	1.70	1.45	14.0	0.03	0.02	1.19	1.21	0.02	0.21	0.23	—	3,028	3,028	0.16	0.13	4.96	3,076
Area	0.28	1.12	0.02	2.25	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	6.44	6.44	< 0.005	< 0.005	—	6.46
Energy	0.02	0.01	0.21	0.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	522	522	0.05	< 0.005	—	524
Water	—	—	—	—	—	—	—	—	—	—	—	4.24	14.5	18.8	0.44	0.01	—	32.8

Waste	—	—	—	—	—	—	—	—	—	—	—	20.1	0.00	20.1	2.00	0.00	—	70.2
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.78	4.78
Total	2.18	2.83	1.67	16.4	0.03	0.04	1.19	1.23	0.04	0.21	0.25	24.3	3,571	3,595	2.65	0.15	9.74	3,714

2.6. Operations Emissions by Sector, Mitigated

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	9.55	8.57	7.26	83.6	0.20	0.13	7.04	7.17	0.12	1.25	1.37	—	20,213	20,213	0.92	0.77	74.8	20,539
Area	2.20	6.78	0.17	18.0	< 0.005	0.01	—	0.01	0.02	—	0.02	0.00	56.8	56.8	< 0.005	< 0.005	—	57.0
Energy	0.13	0.06	1.14	0.71	0.01	0.09	—	0.09	0.09	—	0.09	—	3,153	3,153	0.29	0.02	—	3,167
Water	—	—	—	—	—	—	—	—	—	—	—	25.6	87.9	113	2.63	0.06	—	198
Waste	—	—	—	—	—	—	—	—	—	—	—	121	0.00	121	12.1	0.00	—	424
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	28.9	28.9
Total	11.9	15.4	8.57	102	0.21	0.23	7.04	7.27	0.22	1.25	1.48	147	23,511	23,658	15.9	0.85	104	24,415
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	9.44	8.45	7.96	76.1	0.19	0.13	7.04	7.17	0.12	1.25	1.37	—	19,359	19,359	0.95	0.81	1.94	19,625
Area	0.00	4.72	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.13	0.06	1.14	0.71	0.01	0.09	—	0.09	0.09	—	0.09	—	3,153	3,153	0.29	0.02	—	3,167
Water	—	—	—	—	—	—	—	—	—	—	—	25.6	87.9	113	2.63	0.06	—	198
Waste	—	—	—	—	—	—	—	—	—	—	—	121	0.00	121	12.1	0.00	—	424
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	28.9	28.9
Total	9.57	13.2	9.10	76.8	0.20	0.22	7.04	7.26	0.21	1.25	1.46	147	22,600	22,747	16.0	0.89	30.8	23,443
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Mobile	7.17	6.51	5.42	52.4	0.12	0.08	4.43	4.51	0.08	0.79	0.87	—	12,403	12,403	0.67	0.54	20.3	12,602
Area	1.51	6.13	0.12	12.3	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	38.9	38.9	< 0.005	< 0.005	—	39.0
Energy	0.13	0.06	1.14	0.71	0.01	0.09	—	0.09	0.09	—	0.09	—	3,153	3,153	0.29	0.02	—	3,167
Water	—	—	—	—	—	—	—	—	—	—	—	25.6	87.9	113	2.63	0.06	—	198
Waste	—	—	—	—	—	—	—	—	—	—	—	121	0.00	121	12.1	0.00	—	424
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	28.9	28.9
Total	8.80	12.7	6.68	65.5	0.13	0.18	4.43	4.61	0.18	0.79	0.97	147	15,683	15,830	15.7	0.63	49.2	16,459
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.31	1.19	0.99	9.56	0.02	0.02	0.81	0.82	0.01	0.14	0.16	—	2,053	2,053	0.11	0.09	3.36	2,086
Area	0.28	1.12	0.02	2.25	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	6.44	6.44	< 0.005	< 0.005	—	6.46
Energy	0.02	0.01	0.21	0.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	522	522	0.05	< 0.005	—	524
Water	—	—	—	—	—	—	—	—	—	—	—	4.24	14.5	18.8	0.44	0.01	—	32.8
Waste	—	—	—	—	—	—	—	—	—	—	—	20.1	0.00	20.1	2.00	0.00	—	70.2
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.78	4.78
Total	1.61	2.32	1.22	11.9	0.02	0.03	0.81	0.84	0.03	0.14	0.18	24.3	2,597	2,621	2.60	0.10	8.14	2,725

3. Construction Emissions Details

3.1. Demolition (2024) - 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	1.92	1.61	15.6	16.0	0.02	0.67	—	0.67	0.62	—	0.62	—	2,494	2,494	0.10	0.02	—	2,502
Demolition	—	—	—	—	—	—	3.70	3.70	—	0.56	0.56	—	—	—	—	—	—	—

Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	—	7.55	7.55	< 0.005	< 0.005	< 0.005	8.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.92	1.61	15.6	16.0	0.02	0.67	—	0.67	0.62	—	0.62	—	2,494	2,494	0.10	0.02	—	2,502
Demolition	—	—	—	—	—	—	3.70	3.70	—	0.56	0.56	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	—	7.66	7.66	< 0.005	< 0.005	< 0.005	8.10
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18	0.15	1.45	1.49	< 0.005	0.06	—	0.06	0.06	—	0.06	—	232	232	0.01	< 0.005	—	233
Demolition	—	—	—	—	—	—	0.34	0.34	—	0.05	0.05	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	0.71	0.71	< 0.005	< 0.005	< 0.005	0.75
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.26	0.27	< 0.005	0.01	—	0.01	0.01	—	0.01	—	38.5	38.5	< 0.005	< 0.005	—	38.6
Demolition	—	—	—	—	—	—	0.06	0.06	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	< 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	0.12
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.06	0.94	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	176	176	0.01	0.01	0.70	179
Vendor	0.01	< 0.005	0.15	0.07	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	129	129	0.01	0.02	0.35	135
Hauling	0.38	0.11	6.23	2.40	0.03	0.06	1.31	1.37	0.06	0.36	0.42	—	4,977	4,977	0.27	0.80	11.4	5,233

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.07	0.80	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	167	167	0.01	0.01	0.02	169
Vendor	0.01	< 0.005	0.16	0.08	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	129	129	0.01	0.02	0.01	135
Hauling	0.37	0.10	6.46	2.39	0.03	0.06	1.31	1.37	0.06	0.36	0.42	—	4,979	4,979	0.27	0.80	0.30	5,224
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	15.8	15.8	< 0.005	< 0.005	0.03	16.0
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12.0	12.0	< 0.005	< 0.005	0.01	12.5
Hauling	0.04	0.01	0.61	0.22	< 0.005	0.01	0.12	0.13	0.01	0.03	0.04	—	464	464	0.02	0.07	0.46	487
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.62	2.62	< 0.005	< 0.005	< 0.005	2.65
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.99	1.99	< 0.005	< 0.005	< 0.005	2.08
Hauling	0.01	< 0.005	0.11	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	76.8	76.8	< 0.005	0.01	0.08	80.6

3.2. Demolition (2024) - Mitigated

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	1.92	1.61	15.6	16.0	0.02	0.67	—	0.67	0.62	—	0.62	—	2,494	2,494	0.10	0.02	—	2,502
Demolition	—	—	—	—	—	—	3.70	3.70	—	0.56	0.56	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	—	7.55	7.55	< 0.005	< 0.005	< 0.005	8.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.92	1.61	15.6	16.0	0.02	0.67	—	0.67	0.62	—	0.62	—	2,494	2,494	0.10	0.02	—	2,502
Demolition	—	—	—	—	—	—	3.70	3.70	—	0.56	0.56	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	—	7.66	7.66	< 0.005	< 0.005	< 0.005	8.10
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18	0.15	1.45	1.49	< 0.005	0.06	—	0.06	0.06	—	0.06	—	232	232	0.01	< 0.005	—	233
Demolition	—	—	—	—	—	—	0.34	0.34	—	0.05	0.05	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	0.71	0.71	< 0.005	< 0.005	< 0.005	0.75
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.26	0.27	< 0.005	0.01	—	0.01	0.01	—	0.01	—	38.5	38.5	< 0.005	< 0.005	—	38.6
Demolition	—	—	—	—	—	—	0.06	0.06	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	< 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	0.12
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.06	0.94	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	176	176	0.01	0.01	0.70	179
Vendor	0.01	< 0.005	0.15	0.07	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	129	129	0.01	0.02	0.35	135
Hauling	0.38	0.11	6.23	2.40	0.03	0.06	1.31	1.37	0.06	0.36	0.42	—	4,977	4,977	0.27	0.80	11.4	5,233

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.07	0.80	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	167	167	0.01	0.01	0.02	169
Vendor	0.01	< 0.005	0.16	0.08	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	129	129	0.01	0.02	0.01	135
Hauling	0.37	0.10	6.46	2.39	0.03	0.06	1.31	1.37	0.06	0.36	0.42	—	4,979	4,979	0.27	0.80	0.30	5,224
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	15.8	15.8	< 0.005	< 0.005	0.03	16.0
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12.0	12.0	< 0.005	< 0.005	0.01	12.5
Hauling	0.04	0.01	0.61	0.22	< 0.005	0.01	0.12	0.13	0.01	0.03	0.04	—	464	464	0.02	0.07	0.46	487
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.62	2.62	< 0.005	< 0.005	< 0.005	2.65
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.99	1.99	< 0.005	< 0.005	< 0.005	2.08
Hauling	0.01	< 0.005	0.11	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	76.8	76.8	< 0.005	0.01	0.08	80.6

3.3. Site Preparation (2024) - 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	1.56	1.31	12.7	11.4	0.03	0.55	—	0.55	0.51	—	0.51	—	2,716	2,716	0.11	0.02	—	2,725
Dust From Material Movement	—	—	—	—	—	—	0.62	0.62	—	0.07	0.07	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	—	7.55	7.55	< 0.005	< 0.005	< 0.005	8.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.35	0.31	< 0.005	0.02	—	0.02	0.01	—	0.01	—	74.4	74.4	< 0.005	< 0.005	—	74.7
Dust From Material Movement	—	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	0.21	0.21	< 0.005	< 0.005	< 0.005	0.22
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	12.3	12.3	< 0.005	< 0.005	—	12.4
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.03	0.03	< 0.005	< 0.005	< 0.005	0.04
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.04	0.57	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	106	106	< 0.005	< 0.005	0.42	107
Vendor	0.01	< 0.005	0.15	0.07	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	129	129	0.01	0.02	0.35	135
Hauling	0.01	< 0.005	0.11	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	84.6	84.6	< 0.005	0.01	0.19	89.0
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	—	2.79	2.79	< 0.005	< 0.005	< 0.005	2.83
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.54	3.54	< 0.005	< 0.005	< 0.005	3.69
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.32	2.32	< 0.005	< 0.005	< 0.005	2.43
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.46	0.46	< 0.005	< 0.005	< 0.005	0.47
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.59	0.59	< 0.005	< 0.005	< 0.005	0.61
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.38	0.38	< 0.005	< 0.005	< 0.005	0.40

3.4. Site Preparation (2024) - Mitigated

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	1.56	1.31	12.7	11.4	0.03	0.55	—	0.55	0.51	—	0.51	—	2,716	2,716	0.11	0.02	—	2,725
Dust From Material Movement	—	—	—	—	—	—	0.62	0.62	—	0.07	0.07	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	—	7.55	7.55	< 0.005	< 0.005	< 0.005	8.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.35	0.31	< 0.005	0.02	—	0.02	0.01	—	0.01	—	74.4	74.4	< 0.005	< 0.005	—	74.7

Dust From Material Movement	—	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	0.21	0.21	< 0.005	< 0.005	< 0.005	0.22
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	12.3	12.3	< 0.005	< 0.005	—	12.4
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.03	0.03	< 0.005	< 0.005	< 0.005	0.04
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.04	0.57	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	106	106	< 0.005	< 0.005	0.42	107
Vendor	0.01	< 0.005	0.15	0.07	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	129	129	0.01	0.02	0.35	135
Hauling	0.01	< 0.005	0.11	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	84.6	84.6	< 0.005	0.01	0.19	89.0
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	—	2.79	2.79	< 0.005	< 0.005	< 0.005	2.83
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.54	3.54	< 0.005	< 0.005	< 0.005	3.69
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.32	2.32	< 0.005	< 0.005	< 0.005	2.43
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.46	0.46	< 0.005	< 0.005	< 0.005	0.47
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.59	0.59	< 0.005	< 0.005	< 0.005	0.61

Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.38	0.38	< 0.005	< 0.005	< 0.005	0.40

3.5. Grading (2024) - 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	2.08	1.75	16.7	16.4	0.02	0.77	—	0.77	0.71	—	0.71	—	2,595	2,595	0.11	0.02	—	2,604
Dust From Material Movement	—	—	—	—	—	—	2.77	2.77	—	1.34	1.34	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	—	7.55	7.55	< 0.005	< 0.005	< 0.005	8.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	1.10	1.08	< 0.005	0.05	—	0.05	0.05	—	0.05	—	171	171	0.01	< 0.005	—	171
Dust From Material Movement	—	—	—	—	—	—	0.18	0.18	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	0.50	0.50	< 0.005	< 0.005	< 0.005	0.53
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.20	0.20	< 0.005	0.01	—	0.01	0.01	—	0.01	—	28.3	28.3	< 0.005	< 0.005	—	28.4

Dust From Material Movement	—	—	—	—	—	—	0.03	0.03	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.08	0.08	< 0.005	< 0.005	< 0.005	0.09
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.06	0.94	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	176	176	0.01	0.01	0.70	179
Vendor	0.01	< 0.005	0.15	0.07	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	129	129	0.01	0.02	0.35	135
Hauling	1.30	0.37	21.3	8.21	0.11	0.21	4.48	4.70	0.21	1.23	1.44	—	17,047	17,047	0.92	2.73	39.2	17,924
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.06	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.2	11.2	< 0.005	< 0.005	0.02	11.3
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.49	8.49	< 0.005	< 0.005	0.01	8.85
Hauling	0.09	0.02	1.48	0.53	0.01	0.01	0.29	0.31	0.01	0.08	0.09	—	1,121	1,121	0.06	0.18	1.11	1,177
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.85	1.85	< 0.005	< 0.005	< 0.005	1.87
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.41	1.41	< 0.005	< 0.005	< 0.005	1.47
Hauling	0.02	< 0.005	0.27	0.10	< 0.005	< 0.005	0.05	0.06	< 0.005	0.01	0.02	—	186	186	0.01	0.03	0.18	195

3.6. Grading (2024) - Mitigated

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	2.08	1.75	16.7	16.4	0.02	0.77	—	0.77	0.71	—	0.71	—	2,595	2,595	0.11	0.02	—	2,604
Dust From Material Movement	—	—	—	—	—	—	2.77	2.77	—	1.34	1.34	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	—	7.55	7.55	< 0.005	< 0.005	< 0.005	8.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	1.10	1.08	< 0.005	0.05	—	0.05	0.05	—	0.05	—	171	171	0.01	< 0.005	—	171
Dust From Material Movement	—	—	—	—	—	—	0.18	0.18	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	0.50	0.50	< 0.005	< 0.005	< 0.005	0.53
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.20	0.20	< 0.005	0.01	—	0.01	0.01	—	0.01	—	28.3	28.3	< 0.005	< 0.005	—	28.4
Dust From Material Movement	—	—	—	—	—	—	0.03	0.03	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.08	0.08	< 0.005	< 0.005	< 0.005	0.09
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.06	0.94	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	176	176	0.01	0.01	0.70	179
Vendor	0.01	< 0.005	0.15	0.07	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	129	129	0.01	0.02	0.35	135
Hauling	1.30	0.37	21.3	8.21	0.11	0.21	4.48	4.70	0.21	1.23	1.44	—	17,047	17,047	0.92	2.73	39.2	17,924
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.06	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.2	11.2	< 0.005	< 0.005	0.02	11.3
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.49	8.49	< 0.005	< 0.005	0.01	8.85
Hauling	0.09	0.02	1.48	0.53	0.01	0.01	0.29	0.31	0.01	0.08	0.09	—	1,121	1,121	0.06	0.18	1.11	1,177
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.85	1.85	< 0.005	< 0.005	< 0.005	1.87
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.41	1.41	< 0.005	< 0.005	< 0.005	1.47
Hauling	0.02	< 0.005	0.27	0.10	< 0.005	< 0.005	0.05	0.06	< 0.005	0.01	0.02	—	186	186	0.01	0.03	0.18	195

3.7. Building Construction (2024) - 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	1.58	1.32	11.2	11.9	0.02	0.46	—	0.46	0.42	—	0.42	—	2,201	2,201	0.09	0.02	—	2,209
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	—	7.55	7.55	< 0.005	< 0.005	< 0.005	8.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.58	1.32	11.2	11.9	0.02	0.46	—	0.46	0.42	—	0.42	—	2,201	2,201	0.09	0.02	—	2,209
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	—	7.66	7.66	< 0.005	< 0.005	< 0.005	8.10
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.65	0.54	4.62	4.91	0.01	0.19	—	0.19	0.17	—	0.17	—	905	905	0.04	0.01	—	908
Onsite truck	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.11	0.11	< 0.005	0.01	0.01	—	3.12	3.12	< 0.005	< 0.005	< 0.005	3.31
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.84	0.90	< 0.005	0.03	—	0.03	0.03	—	0.03	—	150	150	0.01	< 0.005	—	150
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	0.52	0.52	< 0.005	< 0.005	< 0.005	0.55
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.05	0.95	1.01	15.9	0.00	0.00	2.76	2.76	0.00	0.65	0.65	—	2,982	2,982	0.12	0.10	11.8	3,027
Vendor	0.11	0.04	1.72	0.84	0.01	0.02	0.39	0.41	0.02	0.11	0.13	—	1,457	1,457	0.06	0.20	3.95	1,523
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	1.04	0.93	1.20	13.5	0.00	0.00	2.76	2.76	0.00	0.65	0.65	—	2,826	2,826	0.13	0.10	0.31	2,861
Vendor	0.11	0.04	1.78	0.86	0.01	0.02	0.39	0.41	0.02	0.11	0.13	—	1,458	1,458	0.06	0.20	0.10	1,519
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	0.43	0.38	0.49	5.82	0.00	0.00	1.12	1.12	0.00	0.26	0.26	—	1,179	1,179	0.05	0.04	2.09	1,195
Vendor	0.05	0.02	0.74	0.35	< 0.005	0.01	0.16	0.17	0.01	0.04	0.05	—	599	599	0.02	0.08	0.70	625
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	0.08	0.07	0.09	1.06	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	195	195	0.01	0.01	0.35	198
Vendor	0.01	< 0.005	0.14	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	99.2	99.2	< 0.005	0.01	0.12	103
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

3.8. Building Construction (2024) - Mitigated

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	1.58	1.32	11.2	11.9	0.02	0.46	—	0.46	0.42	—	0.42	—	2,201	2,201	0.09	0.02	—	2,209
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	—	7.55	7.55	< 0.005	< 0.005	< 0.005	8.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.58	1.32	11.2	11.9	0.02	0.46	—	0.46	0.42	—	0.42	—	2,201	2,201	0.09	0.02	—	2,209
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	—	7.66	7.66	< 0.005	< 0.005	< 0.005	8.10
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.65	0.54	4.62	4.91	0.01	0.19	—	0.19	0.17	—	0.17	—	905	905	0.04	0.01	—	908

Onsite truck	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.11	0.11	< 0.005	0.01	0.01	—	3.12	3.12	< 0.005	< 0.005	< 0.005	3.31
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.84	0.90	< 0.005	0.03	—	0.03	0.03	—	0.03	—	150	150	0.01	< 0.005	—	150
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	0.52	0.52	< 0.005	< 0.005	< 0.005	0.55
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.05	0.95	1.01	15.9	0.00	0.00	2.76	2.76	0.00	0.65	0.65	—	2,982	2,982	0.12	0.10	11.8	3,027
Vendor	0.11	0.04	1.72	0.84	0.01	0.02	0.39	0.41	0.02	0.11	0.13	—	1,457	1,457	0.06	0.20	3.95	1,523
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	1.04	0.93	1.20	13.5	0.00	0.00	2.76	2.76	0.00	0.65	0.65	—	2,826	2,826	0.13	0.10	0.31	2,861
Vendor	0.11	0.04	1.78	0.86	0.01	0.02	0.39	0.41	0.02	0.11	0.13	—	1,458	1,458	0.06	0.20	0.10	1,519
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	0.43	0.38	0.49	5.82	0.00	0.00	1.12	1.12	0.00	0.26	0.26	—	1,179	1,179	0.05	0.04	2.09	1,195
Vendor	0.05	0.02	0.74	0.35	< 0.005	0.01	0.16	0.17	0.01	0.04	0.05	—	599	599	0.02	0.08	0.70	625
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	0.08	0.07	0.09	1.06	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	195	195	0.01	0.01	0.35	198
Vendor	0.01	< 0.005	0.14	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	99.2	99.2	< 0.005	0.01	0.12	103
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 (2025) - 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	1.49	1.24	10.6	11.9	0.02	0.40	—	0.40	0.37	—	0.37	—	2,201	2,201	0.09	0.02	—	2,209
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	—	7.43	7.43	< 0.005	< 0.005	< 0.005	7.87
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.49	1.24	10.6	11.9	0.02	0.40	—	0.40	0.37	—	0.37	—	2,201	2,201	0.09	0.02	—	2,209
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	—	7.54	7.54	< 0.005	< 0.005	< 0.005	7.98
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.79	0.66	5.64	6.31	0.01	0.22	—	0.22	0.20	—	0.20	—	1,172	1,172	0.05	0.01	—	1,176
Onsite truck	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	0.14	0.14	< 0.005	0.01	0.01	—	3.98	3.98	< 0.005	< 0.005	< 0.005	4.21
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	1.03	1.15	< 0.005	0.04	—	0.04	0.04	—	0.04	—	194	194	0.01	< 0.005	—	195
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	< 0.005	—	0.66	0.66	< 0.005	< 0.005	< 0.005	0.70
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.01	0.91	0.91	14.7	0.00	0.00	2.76	2.76	0.00	0.65	0.65	—	2,920	2,920	0.12	0.10	10.7	2,964
Vendor	0.10	0.04	1.63	0.80	0.01	0.02	0.39	0.41	0.01	0.11	0.12	—	1,433	1,433	0.06	0.20	3.92	1,498
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	1.00	0.90	1.02	12.5	0.00	0.00	2.76	2.76	0.00	0.65	0.65	—	2,768	2,768	0.13	0.10	0.28	2,803
Vendor	0.10	0.04	1.70	0.81	0.01	0.02	0.39	0.41	0.01	0.11	0.12	—	1,434	1,434	0.06	0.20	0.10	1,495
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	0.53	0.47	0.58	6.96	0.00	0.00	1.45	1.45	0.00	0.34	0.34	—	1,495	1,495	0.07	0.05	2.46	1,515
Vendor	0.05	0.02	0.91	0.42	0.01	0.01	0.20	0.21	0.01	0.06	0.06	—	763	763	0.03	0.11	0.90	797
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	0.10	0.09	0.11	1.27	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	248	248	0.01	0.01	0.41	251
Vendor	0.01	< 0.005	0.17	0.08	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	126	126	0.01	0.02	0.15	132
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

3.10. Building Construction (2025) - Mitigated

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	1.49	1.24	10.6	11.9	0.02	0.40	—	0.40	0.37	—	0.37	—	2,201	2,201	0.09	0.02	—	2,209
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	—	7.43	7.43	< 0.005	< 0.005	< 0.005	7.87
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.49	1.24	10.6	11.9	0.02	0.40	—	0.40	0.37	—	0.37	—	2,201	2,201	0.09	0.02	—	2,209
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	—	7.54	7.54	< 0.005	< 0.005	< 0.005	7.98
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.79	0.66	5.64	6.31	0.01	0.22	—	0.22	0.20	—	0.20	—	1,172	1,172	0.05	0.01	—	1,176
Onsite truck	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	0.14	0.14	< 0.005	0.01	0.01	—	3.98	3.98	< 0.005	< 0.005	< 0.005	4.21
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	1.03	1.15	< 0.005	0.04	—	0.04	0.04	—	0.04	—	194	194	0.01	< 0.005	—	195
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	< 0.005	—	0.66	0.66	< 0.005	< 0.005	< 0.005	0.70
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.01	0.91	0.91	14.7	0.00	0.00	2.76	2.76	0.00	0.65	0.65	—	2,920	2,920	0.12	0.10	10.7	2,964
Vendor	0.10	0.04	1.63	0.80	0.01	0.02	0.39	0.41	0.01	0.11	0.12	—	1,433	1,433	0.06	0.20	3.92	1,498
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	1.00	0.90	1.02	12.5	0.00	0.00	2.76	2.76	0.00	0.65	0.65	—	2,768	2,768	0.13	0.10	0.28	2,803

Vendor	0.10	0.04	1.70	0.81	0.01	0.02	0.39	0.41	0.01	0.11	0.12	—	1,434	1,434	0.06	0.20	0.10	1,495
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	0.53	0.47	0.58	6.96	0.00	0.00	1.45	1.45	0.00	0.34	0.34	—	1,495	1,495	0.07	0.05	2.46	1,515
Vendor	0.05	0.02	0.91	0.42	0.01	0.01	0.20	0.21	0.01	0.06	0.06	—	763	763	0.03	0.11	0.90	797
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	0.10	0.09	0.11	1.27	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	248	248	0.01	0.01	0.41	251
Vendor	0.01	< 0.005	0.17	0.08	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	126	126	0.01	0.02	0.15	132
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 (2025) - 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	0.83	0.70	6.13	8.21	0.01	0.27	—	0.27	0.25	—	0.25	—	1,244	1,244	0.05	0.01	—	1,248
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	—	7.43	7.43	< 0.005	< 0.005	< 0.005	7.87
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.70	6.13	8.21	0.01	0.27	—	0.27	0.25	—	0.25	—	1,244	1,244	0.05	0.01	—	1,248
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	—	7.54	7.54	< 0.005	< 0.005	< 0.005	7.98
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.37	0.50	< 0.005	0.02	—	0.02	0.02	—	0.02	—	75.0	75.0	< 0.005	< 0.005	—	75.2
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	0.45	0.45	< 0.005	< 0.005	< 0.005	0.48
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	12.4	12.4	< 0.005	< 0.005	—	12.5
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.07	0.07	< 0.005	< 0.005	< 0.005	0.08
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.06	1.04	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	207	207	0.01	0.01	0.76	210
Vendor	0.01	< 0.005	0.14	0.07	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	127	127	0.01	0.02	0.35	133
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	0.06	0.07	0.88	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	197	197	0.01	0.01	0.02	199
Vendor	0.01	< 0.005	0.15	0.07	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	127	127	0.01	0.02	0.01	132
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	0.06	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	12.0	12.0	< 0.005	< 0.005	0.02	12.2
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.65	7.65	< 0.005	< 0.005	0.01	7.99

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	—	1.99	1.99	< 0.005	< 0.005	< 0.005	2.02
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.27	1.27	< 0.005	< 0.005	< 0.005	1.32
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

3.12. Paving (2025) - Mitigated

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	0.83	0.70	6.13	8.21	0.01	0.27	—	0.27	0.25	—	0.25	—	1,244	1,244	0.05	0.01	—	1,248
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	—	7.43	7.43	< 0.005	< 0.005	< 0.005	7.87
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.70	6.13	8.21	0.01	0.27	—	0.27	0.25	—	0.25	—	1,244	1,244	0.05	0.01	—	1,248
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	—	7.54	7.54	< 0.005	< 0.005	< 0.005	7.98
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.37	0.50	< 0.005	0.02	—	0.02	0.02	—	0.02	—	75.0	75.0	< 0.005	< 0.005	—	75.2
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	0.45	0.45	< 0.005	< 0.005	< 0.005	0.48
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	12.4	12.4	< 0.005	< 0.005	—	12.5
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.07	0.07	< 0.005	< 0.005	< 0.005	0.08
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.06	1.04	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	207	207	0.01	0.01	0.76	210
Vendor	0.01	< 0.005	0.14	0.07	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	127	127	0.01	0.02	0.35	133
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	0.06	0.07	0.88	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	197	197	0.01	0.01	0.02	199
Vendor	0.01	< 0.005	0.15	0.07	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	127	127	0.01	0.02	0.01	132
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	0.06	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	12.0	12.0	< 0.005	< 0.005	0.02	12.2
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.65	7.65	< 0.005	< 0.005	0.01	7.99
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	—	1.99	1.99	< 0.005	< 0.005	< 0.005	2.02
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.27	1.27	< 0.005	< 0.005	< 0.005	1.32
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 (2025) - 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	0.15	0.13	0.88	1.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	66.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	—	7.54	7.54	< 0.005	< 0.005	< 0.005	7.98
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.05	8.05	< 0.005	< 0.005	—	8.08
Architectural Coatings	—	4.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	0.45	0.45	< 0.005	< 0.005	< 0.005	0.48
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.33	1.33	< 0.005	< 0.005	—	1.34
Architectural Coatings	—	0.73	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.07	0.07	< 0.005	< 0.005	< 0.005	0.08
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.20	0.18	0.20	2.49	0.00	0.00	0.55	0.55	0.00	0.13	0.13	—	554	554	0.03	0.02	0.06	561
Vendor	0.01	< 0.005	0.15	0.07	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	127	127	0.01	0.02	0.01	132
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	0.01	0.01	0.01	0.16	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	33.9	33.9	< 0.005	< 0.005	0.06	34.3
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.65	7.65	< 0.005	< 0.005	0.01	7.99
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	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.61	5.61	< 0.005	< 0.005	0.01	5.68
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.27	1.27	< 0.005	< 0.005	< 0.005	1.32
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

3.14. Architectural Coating (2025) - Mitigated

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	0.15	0.13	0.88	1.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	66.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	—	7.54	7.54	< 0.005	< 0.005	< 0.005	7.98
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.05	8.05	< 0.005	< 0.005	—	8.08
Architectural Coatings	—	4.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	0.45	0.45	< 0.005	< 0.005	< 0.005	0.48
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.33	1.33	< 0.005	< 0.005	—	1.34
Architectural Coatings	—	0.73	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.07	0.07	< 0.005	< 0.005	< 0.005	0.08
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.20	0.18	0.20	2.49	0.00	0.00	0.55	0.55	0.00	0.13	0.13	—	554	554	0.03	0.02	0.06	561

Vendor	0.01	< 0.005	0.15	0.07	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	127	127	0.01	0.02	0.01	132
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	0.01	0.01	0.01	0.16	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	33.9	33.9	< 0.005	< 0.005	0.06	34.3
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.65	7.65	< 0.005	< 0.005	0.01	7.99
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	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.61	5.61	< 0.005	< 0.005	0.01	5.68
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.27	1.27	< 0.005	< 0.005	< 0.005	1.32
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Fast Food Restaurant w/o Drive Thru	3.41	3.07	2.58	29.7	0.07	0.05	2.50	2.54	0.04	0.44	0.49	—	7,167	7,167	0.33	0.27	26.5	7,283

High Turnover (Sit Down Restaurant)	1.66	1.49	1.26	14.5	0.03	0.02	1.22	1.24	0.02	0.22	0.24	—	3,490	3,490	0.16	0.13	12.9	3,546
Quality Restaurant	4.50	4.04	3.40	39.1	0.09	0.06	3.29	3.35	0.06	0.59	0.64	—	9,450	9,450	0.43	0.36	34.9	9,602
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Mid Rise	3.84	3.44	2.99	34.5	0.08	0.05	2.93	2.98	0.05	0.52	0.57	—	8,397	8,397	0.37	0.32	31.1	8,532
Total	13.4	12.0	10.2	118	0.28	0.18	9.93	10.1	0.17	1.77	1.94	—	28,504	28,504	1.29	1.08	105	28,963
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Fast Food Restaurant w/o Drive Thru	3.38	3.02	2.83	27.0	0.07	0.05	2.50	2.54	0.04	0.44	0.49	—	6,864	6,864	0.34	0.29	0.69	6,958
High Turnover (Sit Down Restaurant)	1.64	1.47	1.38	13.2	0.03	0.02	1.22	1.24	0.02	0.22	0.24	—	3,342	3,342	0.16	0.14	0.33	3,388
Quality Restaurant	4.45	3.99	3.73	35.6	0.09	0.06	3.29	3.35	0.06	0.59	0.64	—	9,050	9,050	0.45	0.38	0.91	9,175
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Apartme Mid Rise	3.80	3.39	3.27	31.3	0.08	0.05	2.93	2.98	0.05	0.52	0.57	—	8,042	8,042	0.39	0.33	0.81	8,151
Total	13.3	11.9	11.2	107	0.27	0.18	9.93	10.1	0.17	1.77	1.94	—	27,298	27,298	1.34	1.14	2.73	27,673
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Fast Food Restaurant w/o Drive Thru	0.37	0.33	0.31	3.05	0.01	< 0.005	0.27	0.28	< 0.005	0.05	0.05	—	691	691	0.03	0.03	1.14	701
High Turnover (Sit Down Restaurant)	0.21	0.20	0.14	1.37	< 0.005	< 0.005	0.11	0.11	< 0.005	0.02	0.02	—	273	273	0.02	0.01	0.44	278
Quality Restaurant	0.64	0.59	0.41	3.98	0.01	0.01	0.30	0.31	0.01	0.05	0.06	—	783	783	0.05	0.04	1.27	796
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Mid Rise	0.66	0.58	0.57	5.59	0.01	0.01	0.51	0.52	0.01	0.09	0.10	—	1,281	1,281	0.06	0.05	2.11	1,300
Total	1.88	1.70	1.45	14.0	0.03	0.02	1.19	1.21	0.02	0.21	0.23	—	3,028	3,028	0.16	0.13	4.96	3,076

4.1.2. Mitigated

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Fast Food Restaurant w/o Drive Thru	2.66	2.39	2.01	23.2	0.05	0.04	1.95	1.98	0.03	0.35	0.38	—	5,590	5,590	0.25	0.21	20.7	5,681
High Turnover (Sit Down Restaurant)	1.30	1.17	0.98	11.3	0.03	0.02	0.95	0.97	0.02	0.17	0.18	—	2,722	2,722	0.12	0.10	10.1	2,766
Quality Restaurant	3.51	3.16	2.65	30.5	0.07	0.05	2.57	2.61	0.04	0.46	0.50	—	7,371	7,371	0.34	0.28	27.3	7,490
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Mid Rise	2.07	1.86	1.61	18.6	0.04	0.03	1.58	1.61	0.03	0.28	0.31	—	4,530	4,530	0.20	0.17	16.8	4,602
Total	9.55	8.57	7.26	83.6	0.20	0.13	7.04	7.17	0.12	1.25	1.37	—	20,213	20,213	0.92	0.77	74.8	20,539
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Fast Food Restaurant w/o Drive Thru	2.63	2.36	2.21	21.1	0.05	0.04	1.95	1.98	0.03	0.35	0.38	—	5,354	5,354	0.26	0.22	0.54	5,428
High Turnover (Sit Down Restaurant)	1.28	1.15	1.07	10.3	0.03	0.02	0.95	0.97	0.02	0.17	0.18	—	2,607	2,607	0.13	0.11	0.26	2,643
Quality Restaurant	3.47	3.11	2.91	27.8	0.07	0.05	2.57	2.61	0.04	0.46	0.50	—	7,060	7,060	0.35	0.29	0.71	7,157
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Mid Rise	2.05	1.83	1.77	16.9	0.04	0.03	1.58	1.61	0.03	0.28	0.31	—	4,338	4,338	0.21	0.18	0.43	4,397
Total	9.44	8.45	7.96	76.1	0.19	0.13	7.04	7.17	0.12	1.25	1.37	—	19,359	19,359	0.95	0.81	1.94	19,625
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Fast Food Restaurant w/o Drive Thru	0.29	0.26	0.24	2.38	0.01	< 0.005	0.21	0.22	< 0.005	0.04	0.04	—	539	539	0.03	0.02	0.89	547
High Turnover (Sit Down Restaurant)	0.17	0.15	0.11	1.07	< 0.005	< 0.005	0.08	0.08	< 0.005	0.01	0.02	—	213	213	0.01	0.01	0.35	217
Quality Restaurant	0.50	0.46	0.32	3.10	0.01	< 0.005	0.24	0.24	< 0.005	0.04	0.05	—	611	611	0.04	0.03	0.99	621

Recreational	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Mid Rise	0.35	0.32	0.31	3.02	0.01	< 0.005	0.27	0.28	< 0.005	0.05	0.05	—	691	691	0.03	0.03	1.14	701
Total	1.31	1.19	0.99	9.56	0.02	0.02	0.81	0.82	0.01	0.14	0.16	—	2,053	2,053	0.11	0.09	3.36	2,086

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	414	414	0.04	< 0.005	—	417
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	46.3	46.3	< 0.005	< 0.005	—	46.6
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	109	109	0.01	< 0.005	—	110
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	425	425	0.04	< 0.005	—	428

Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	749	749	0.07	0.01	—	754
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,744	1,744	0.17	0.02	—	1,754
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	414	414	0.04	< 0.005	—	417
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	46.3	46.3	< 0.005	< 0.005	—	46.6
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	109	109	0.01	< 0.005	—	110
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	425	425	0.04	< 0.005	—	428
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	749	749	0.07	0.01	—	754
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,744	1,744	0.17	0.02	—	1,754
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	68.6	68.6	0.01	< 0.005	—	69.0
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	7.67	7.67	< 0.005	< 0.005	—	7.71
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	18.1	18.1	< 0.005	< 0.005	—	18.2
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	70.4	70.4	0.01	< 0.005	—	70.8
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	124	124	0.01	< 0.005	—	125
Total	—	—	—	—	—	—	—	—	—	—	—	—	289	289	0.03	< 0.005	—	290

4.2.2. Electricity Emissions By Land Use - Mitigated

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	414	414	0.04	< 0.005	—	417

Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	46.3	46.3	< 0.005	< 0.005	—	46.6
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	109	109	0.01	< 0.005	—	110
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	425	425	0.04	< 0.005	—	428
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	749	749	0.07	0.01	—	754
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,744	1,744	0.17	0.02	—	1,754
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	414	414	0.04	< 0.005	—	417
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	46.3	46.3	< 0.005	< 0.005	—	46.6
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	109	109	0.01	< 0.005	—	110
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	425	425	0.04	< 0.005	—	428

Recreati Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	749	749	0.07	0.01	—	754
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,744	1,744	0.17	0.02	—	1,754
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	68.6	68.6	0.01	< 0.005	—	69.0
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	7.67	7.67	< 0.005	< 0.005	—	7.71
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	18.1	18.1	< 0.005	< 0.005	—	18.2
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	70.4	70.4	0.01	< 0.005	—	70.8
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	124	124	0.01	< 0.005	—	125
Total	—	—	—	—	—	—	—	—	—	—	—	—	289	289	0.03	< 0.005	—	290

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	51.7	51.7	< 0.005	< 0.005	—	51.8
High Turnover (Sit Down Restaurant)	0.01	0.01	0.10	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	122	122	0.01	< 0.005	—	122
Quality Restaurant	0.04	0.02	0.40	0.33	< 0.005	0.03	—	0.03	0.03	—	0.03	—	474	474	0.04	< 0.005	—	475
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	0.07	0.04	0.60	0.26	< 0.005	0.05	—	0.05	0.05	—	0.05	—	762	762	0.07	< 0.005	—	764
Total	0.13	0.06	1.14	0.71	0.01	0.09	—	0.09	0.09	—	0.09	—	1,409	1,409	0.12	< 0.005	—	1,413
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Fast Food Restaurant w/o Drive Thru	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	51.7	51.7	< 0.005	< 0.005	—	51.8
High Turnover (Sit Down Restaurant)	0.01	0.01	0.10	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	122	122	0.01	< 0.005	—	122
Quality Restaurant	0.04	0.02	0.40	0.33	< 0.005	0.03	—	0.03	0.03	—	0.03	—	474	474	0.04	< 0.005	—	475
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	0.07	0.04	0.60	0.26	< 0.005	0.05	—	0.05	0.05	—	0.05	—	762	762	0.07	< 0.005	—	764
Total	0.13	0.06	1.14	0.71	0.01	0.09	—	0.09	0.09	—	0.09	—	1,409	1,409	0.12	< 0.005	—	1,413
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.55	8.55	< 0.005	< 0.005	—	8.58
High Turnover (Sit Down Restaurant)	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	20.2	20.2	< 0.005	< 0.005	—	20.2
Quality Restaurant	0.01	< 0.005	0.07	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	—	78.5	78.5	0.01	< 0.005	—	78.7

Recreational	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	0.01	0.01	0.11	0.05	< 0.005	0.01	—	0.01	0.01	—	0.01	—	126	126	0.01	< 0.005	—	126
Total	0.02	0.01	0.21	0.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	233	233	0.02	< 0.005	—	234

4.2.4. Natural Gas Emissions By Land Use - Mitigated

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	51.7	51.7	< 0.005	< 0.005	—	51.8
High Turnover (Sit Down Restaurant)	0.01	0.01	0.10	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	122	122	0.01	< 0.005	—	122
Quality Restaurant	0.04	0.02	0.40	0.33	< 0.005	0.03	—	0.03	0.03	—	0.03	—	474	474	0.04	< 0.005	—	475
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Apartments	0.07	0.04	0.60	0.26	< 0.005	0.05	—	0.05	0.05	—	0.05	—	762	762	0.07	< 0.005	—	764
Total	0.13	0.06	1.14	0.71	0.01	0.09	—	0.09	0.09	—	0.09	—	1,409	1,409	0.12	< 0.005	—	1,413
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	51.7	51.7	< 0.005	< 0.005	—	51.8
High Turnover (Sit Down Restaurant)	0.01	0.01	0.10	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	122	122	0.01	< 0.005	—	122
Quality Restaurant	0.04	0.02	0.40	0.33	< 0.005	0.03	—	0.03	0.03	—	0.03	—	474	474	0.04	< 0.005	—	475
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	0.07	0.04	0.60	0.26	< 0.005	0.05	—	0.05	0.05	—	0.05	—	762	762	0.07	< 0.005	—	764
Total	0.13	0.06	1.14	0.71	0.01	0.09	—	0.09	0.09	—	0.09	—	1,409	1,409	0.12	< 0.005	—	1,413
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Fast Food Restaurant w/o Drive Thru	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.55	8.55	< 0.005	< 0.005	—	8.58
High Turnover (Sit Down Restaurant)	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	20.2	20.2	< 0.005	< 0.005	—	20.2
Quality Restaurant	0.01	< 0.005	0.07	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	—	78.5	78.5	0.01	< 0.005	—	78.7
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	0.01	0.01	0.11	0.05	< 0.005	0.01	—	0.01	0.01	—	0.01	—	126	126	0.01	< 0.005	—	126
Total	0.02	0.01	0.21	0.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	233	233	0.02	< 0.005	—	234

4.3. Area Emissions by Source

4.3.2. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	4.72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landscape Equipme	2.20	2.06	0.17	18.0	< 0.005	0.01	—	0.01	0.02	—	0.02	—	56.8	56.8	< 0.005	< 0.005	—	57.0
Total	2.20	6.78	0.17	18.0	< 0.005	0.01	—	0.01	0.02	—	0.02	0.00	56.8	56.8	< 0.005	< 0.005	—	57.0
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	4.72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.00	4.72	0.00	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	0.86	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.28	0.26	0.02	2.25	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.44	6.44	< 0.005	< 0.005	—	6.46
Total	0.28	1.12	0.02	2.25	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	6.44	6.44	< 0.005	< 0.005	—	6.46

4.3.1. Mitigated

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	4.72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landsca Equipment	2.20	2.06	0.17	18.0	< 0.005	0.01	—	0.01	0.02	—	0.02	—	56.8	56.8	< 0.005	< 0.005	—	57.0
Total	2.20	6.78	0.17	18.0	< 0.005	0.01	—	0.01	0.02	—	0.02	0.00	56.8	56.8	< 0.005	< 0.005	—	57.0
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	4.72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.00	4.72	0.00	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	0.86	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.28	0.26	0.02	2.25	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.44	6.44	< 0.005	< 0.005	—	6.46
Total	0.28	1.12	0.02	2.25	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	6.44	6.44	< 0.005	< 0.005	—	6.46

4.4. Water Emissions by Land Use

4.4.2. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.81	2.76	3.58	0.08	< 0.005	—	6.27
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	1.92	6.51	8.43	0.20	< 0.005	—	14.8
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	7.47	25.4	32.8	0.77	0.02	—	57.6
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.11	0.38	0.50	0.01	< 0.005	—	0.87
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	15.3	52.8	68.1	1.57	0.04	—	119
Total	—	—	—	—	—	—	—	—	—	—	—	25.6	87.9	113	2.63	0.06	—	198
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.81	2.76	3.58	0.08	< 0.005	—	6.27

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	1.92	6.51	8.43	0.20	< 0.005	—	14.8
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	7.47	25.4	32.8	0.77	0.02	—	57.6
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.11	0.38	0.50	0.01	< 0.005	—	0.87
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	15.3	52.8	68.1	1.57	0.04	—	119
Total	—	—	—	—	—	—	—	—	—	—	—	25.6	87.9	113	2.63	0.06	—	198
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.13	0.46	0.59	0.01	< 0.005	—	1.04
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	0.32	1.08	1.40	0.03	< 0.005	—	2.45
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	1.24	4.20	5.44	0.13	< 0.005	—	9.53
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.02	0.06	0.08	< 0.005	< 0.005	—	0.14

Apartments	—	—	—	—	—	—	—	—	—	—	—	2.53	8.75	11.3	0.26	0.01	—	19.7
Total	—	—	—	—	—	—	—	—	—	—	—	4.24	14.5	18.8	0.44	0.01	—	32.8

4.4.1. Mitigated

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.81	2.76	3.58	0.08	< 0.005	—	6.27
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	1.92	6.51	8.43	0.20	< 0.005	—	14.8
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	7.47	25.4	32.8	0.77	0.02	—	57.6
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.11	0.38	0.50	0.01	< 0.005	—	0.87
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	15.3	52.8	68.1	1.57	0.04	—	119
Total	—	—	—	—	—	—	—	—	—	—	—	25.6	87.9	113	2.63	0.06	—	198

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.81	2.76	3.58	0.08	< 0.005	—	6.27
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	1.92	6.51	8.43	0.20	< 0.005	—	14.8
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	7.47	25.4	32.8	0.77	0.02	—	57.6
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.11	0.38	0.50	0.01	< 0.005	—	0.87
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	15.3	52.8	68.1	1.57	0.04	—	119
Total	—	—	—	—	—	—	—	—	—	—	—	25.6	87.9	113	2.63	0.06	—	198
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.13	0.46	0.59	0.01	< 0.005	—	1.04

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	0.32	1.08	1.40	0.03	< 0.005	—	2.45
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	1.24	4.20	5.44	0.13	< 0.005	—	9.53
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.02	0.06	0.08	< 0.005	< 0.005	—	0.14
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	2.53	8.75	11.3	0.26	0.01	—	19.7
Total	—	—	—	—	—	—	—	—	—	—	—	4.24	14.5	18.8	0.44	0.01	—	32.8

4.5. Waste Emissions by Land Use

4.5.2. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	8.69	0.00	8.69	0.87	0.00	—	30.4

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	21.2	0.00	21.2	2.12	0.00	—	74.0
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	6.32	0.00	6.32	0.63	0.00	—	22.1
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	3.07	0.00	3.07	0.31	0.00	—	10.7
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	81.9	0.00	81.9	8.18	0.00	—	286
Total	—	—	—	—	—	—	—	—	—	—	—	121	0.00	121	12.1	0.00	—	424
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	8.69	0.00	8.69	0.87	0.00	—	30.4
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	21.2	0.00	21.2	2.12	0.00	—	74.0
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	6.32	0.00	6.32	0.63	0.00	—	22.1

Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	3.07	0.00	3.07	0.31	0.00	—	10.7
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	81.9	0.00	81.9	8.18	0.00	—	286
Total	—	—	—	—	—	—	—	—	—	—	—	121	0.00	121	12.1	0.00	—	424
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	1.44	0.00	1.44	0.14	0.00	—	5.03
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	3.50	0.00	3.50	0.35	0.00	—	12.3
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	1.05	0.00	1.05	0.10	0.00	—	3.66
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.51	0.00	0.51	0.05	0.00	—	1.78
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	13.6	0.00	13.6	1.35	0.00	—	47.4
Total	—	—	—	—	—	—	—	—	—	—	—	20.1	0.00	20.1	2.00	0.00	—	70.2

4.5.1. Mitigated

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	8.69	0.00	8.69	0.87	0.00	—	30.4
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	21.2	0.00	21.2	2.12	0.00	—	74.0
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	6.32	0.00	6.32	0.63	0.00	—	22.1
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	3.07	0.00	3.07	0.31	0.00	—	10.7
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	81.9	0.00	81.9	8.18	0.00	—	286
Total	—	—	—	—	—	—	—	—	—	—	—	121	0.00	121	12.1	0.00	—	424
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	8.69	0.00	8.69	0.87	0.00	—	30.4
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	21.2	0.00	21.2	2.12	0.00	—	74.0
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	6.32	0.00	6.32	0.63	0.00	—	22.1
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	3.07	0.00	3.07	0.31	0.00	—	10.7
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	81.9	0.00	81.9	8.18	0.00	—	286
Total	—	—	—	—	—	—	—	—	—	—	—	121	0.00	121	12.1	0.00	—	424
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	1.44	0.00	1.44	0.14	0.00	—	5.03
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	3.50	0.00	3.50	0.35	0.00	—	12.3
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	1.05	0.00	1.05	0.10	0.00	—	3.66

Recreational	—	—	—	—	—	—	—	—	—	—	—	0.51	0.00	0.51	0.05	0.00	—	1.78
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	13.6	0.00	13.6	1.35	0.00	—	47.4
Total	—	—	—	—	—	—	—	—	—	—	—	20.1	0.00	20.1	2.00	0.00	—	70.2

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.19	2.19
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.16	5.16
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20.1	20.1
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.45	1.45

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	28.9	28.9
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.19	2.19
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.16	5.16
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20.1	20.1
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.45	1.45
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	28.9	28.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.36	0.36
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.85	0.85
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.33	3.33

Recreati Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.24	0.24
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.78	4.78

4.6.2. Mitigated

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.19	2.19
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.16	5.16
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20.1	20.1
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.45	1.45
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	28.9	28.9

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.19	2.19
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.16	5.16
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20.1	20.1
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.45	1.45
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	28.9	28.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.36	0.36
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.85	0.85
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.33	3.33

Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.24	0.24
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.78	4.78

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8.2. Mitigated

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

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	3/1/2024	4/17/2024	5.00	34.0	—
Site Preparation	Site Preparation	4/18/2024	5/1/2024	5.00	10.0	—
Grading	Grading	5/2/2024	6/4/2024	5.00	24.0	—
Building Construction	Building Construction	6/5/2024	9/29/2025	5.00	344	—
Paving	Paving	9/30/2025	10/29/2025	5.00	22.0	—
Architectural Coating	Architectural Coating	10/30/2025	11/28/2025	5.00	22.0	—

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	Tractors/Loaders/Backhoes	Diesel	Average	3.00	8.00	84.0	0.37
Demolition	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Site Preparation	Graders	Diesel	Average	1.00	8.00	148	0.41
Site Preparation	Scrapers	Diesel	Average	1.00	8.00	423	0.48

Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	1.00	7.00	84.0	0.37
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	7.00	84.0	0.37
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Building Construction	Cranes	Diesel	Average	1.00	8.00	367	0.29
Building Construction	Forklifts	Diesel	Average	2.00	7.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	1.00	6.00	84.0	0.37
Building Construction	Welders	Diesel	Average	3.00	8.00	46.0	0.45
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Paving	Pavers	Diesel	Average	1.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	1.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Paving	Cement and Mortar Mixers	Diesel	Average	1.00	8.00	10.0	0.56
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	3.00	8.00	84.0	0.37
Demolition	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Site Preparation	Graders	Diesel	Average	1.00	8.00	148	0.41

Site Preparation	Scrapers	Diesel	Average	1.00	8.00	423	0.48
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	1.00	7.00	84.0	0.37
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	7.00	84.0	0.37
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Building Construction	Cranes	Diesel	Average	1.00	8.00	367	0.29
Building Construction	Forklifts	Diesel	Average	2.00	7.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	1.00	6.00	84.0	0.37
Building Construction	Welders	Diesel	Average	3.00	8.00	46.0	0.45
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Paving	Pavers	Diesel	Average	1.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	1.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Paving	Cement and Mortar Mixers	Diesel	Average	1.00	8.00	10.0	0.56
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

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	12.5	18.5	LDA,LDT1,LDT2

Demolition	Vendor	4.00	10.2	HHDT,MHDT
Demolition	Hauling	70.6	20.0	HHDT
Demolition	Onsite truck	4.00	0.05	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	7.50	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	4.00	10.2	HHDT,MHDT
Site Preparation	Hauling	1.20	20.0	HHDT
Site Preparation	Onsite truck	4.00	0.05	HHDT
Grading	—	—	—	—
Grading	Worker	12.5	18.5	LDA,LDT1,LDT2
Grading	Vendor	4.00	10.2	HHDT,MHDT
Grading	Hauling	242	20.0	HHDT
Grading	Onsite truck	4.00	0.05	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	211	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	45.2	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	4.00	0.05	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	4.00	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	4.00	0.05	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	42.2	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	4.00	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT

Architectural Coating	Onsite truck	4.00	0.05	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	12.5	18.5	LDA,LDT1,LDT2
Demolition	Vendor	4.00	10.2	HHDT,MHDT
Demolition	Hauling	70.6	20.0	HHDT
Demolition	Onsite truck	4.00	0.05	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	7.50	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	4.00	10.2	HHDT,MHDT
Site Preparation	Hauling	1.20	20.0	HHDT
Site Preparation	Onsite truck	4.00	0.05	HHDT
Grading	—	—	—	—
Grading	Worker	12.5	18.5	LDA,LDT1,LDT2
Grading	Vendor	4.00	10.2	HHDT,MHDT
Grading	Hauling	242	20.0	HHDT
Grading	Onsite truck	4.00	0.05	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	211	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	45.2	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	4.00	0.05	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	4.00	10.2	HHDT,MHDT

Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	4.00	0.05	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	42.2	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	4.00	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	4.00	0.05	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	410,812	136,937	26,325	8,775	7,049

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	9,600	—
Site Preparation	—	95.0	15.0	0.00	—
Grading	—	46,422	24.0	0.00	—
Paving	0.00	0.00	0.00	0.00	0.00

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

Land Use	Area Paved (acres)	% Asphalt
Enclosed Parking with Elevator	0.00	100%
Fast Food Restaurant w/o Drive Thru	0.00	0%
High Turnover (Sit Down Restaurant)	0.00	0%
Quality Restaurant	0.00	0%
Recreational Swimming Pool	0.00	0%
Apartments Mid Rise	—	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2024	0.00	349	0.03	< 0.005
2025	0.00	349	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
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Fast Food Restaurant w/o Drive Thru	426	856	615	187,686	4,460	8,965	6,440	1,965,908
High Turnover (Sit Down Restaurant)	328	358	417	125,829	1,314	3,746	4,365	765,532
Quality Restaurant	1,051	1,128	902	379,816	4,138	11,820	9,447	2,187,895
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Mid Rise	946	854	710	328,174	10,517	9,493	7,899	3,648,728

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fast Food Restaurant w/o Drive Thru	332	668	480	146,399	3,479	6,993	5,023	1,533,454
High Turnover (Sit Down Restaurant)	256	279	325	98,149	1,025	2,922	3,405	597,133
Quality Restaurant	820	880	704	296,266	3,228	9,220	7,369	1,706,608
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Mid Rise	510	461	383	177,036	5,673	5,121	4,261	1,968,333

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Apartments Mid Rise	—

Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	214
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.1.2. Mitigated

Hearth Type	Unmitigated (number)
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	214
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	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)
—	—	—	—	—

5.10.3. Landscape Equipment

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

5.10.4. Landscape Equipment - Mitigated

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

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)
Enclosed Parking with Elevator	433,669	349	0.0330	0.0040	0.00
Fast Food Restaurant w/o Drive Thru	48,482	349	0.0330	0.0040	161,184
High Turnover (Sit Down Restaurant)	114,280	349	0.0330	0.0040	379,934
Quality Restaurant	445,000	349	0.0330	0.0040	1,479,441
Recreational Swimming Pool	0.00	349	0.0330	0.0040	0.00
Apartments Mid Rise	784,488	349	0.0330	0.0040	2,376,864

5.11.2. Mitigated

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)

Enclosed Parking with Elevator	433,669	349	0.0330	0.0040	0.00
Fast Food Restaurant w/o Drive Thru	48,482	349	0.0330	0.0040	161,184
High Turnover (Sit Down Restaurant)	114,280	349	0.0330	0.0040	379,934
Quality Restaurant	445,000	349	0.0330	0.0040	1,479,441
Recreational Swimming Pool	0.00	349	0.0330	0.0040	0.00
Apartments Mid Rise	784,488	349	0.0330	0.0040	2,376,864

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Enclosed Parking with Elevator	0.00	0.00
Fast Food Restaurant w/o Drive Thru	424,947	0.00
High Turnover (Sit Down Restaurant)	1,001,661	0.00
Quality Restaurant	3,900,408	0.00
Recreational Swimming Pool	59,143	0.00
Apartments Mid Rise	7,976,593	193,764

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Enclosed Parking with Elevator	0.00	0.00
Fast Food Restaurant w/o Drive Thru	424,947	0.00
High Turnover (Sit Down Restaurant)	1,001,661	0.00
Quality Restaurant	3,900,408	0.00
Recreational Swimming Pool	59,143	0.00
Apartments Mid Rise	7,976,593	193,764

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Enclosed Parking with Elevator	0.00	—
Fast Food Restaurant w/o Drive Thru	16.1	—
High Turnover (Sit Down Restaurant)	39.3	—
Quality Restaurant	11.7	—
Recreational Swimming Pool	5.70	—
Apartments Mid Rise	152	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Enclosed Parking with Elevator	0.00	—
Fast Food Restaurant w/o Drive Thru	16.1	—
High Turnover (Sit Down Restaurant)	39.3	—
Quality Restaurant	11.7	—
Recreational Swimming Pool	5.70	—
Apartments Mid Rise	152	—

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
Fast Food Restaurant w/o Drive Thru	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00

Fast Food Restaurant w/o Drive Thru	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Fast Food Restaurant w/o Drive Thru	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
High Turnover (Sit Down Restaurant)	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
High Turnover (Sit Down Restaurant)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Quality Restaurant	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Quality Restaurant	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Quality Restaurant	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Recreational Swimming Pool	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Recreational Swimming Pool	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Fast Food Restaurant w/o Drive Thru	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Fast Food Restaurant w/o Drive Thru	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0

Fast Food Restaurant w/o Drive Thru	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
High Turnover (Sit Down Restaurant)	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
High Turnover (Sit Down Restaurant)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Quality Restaurant	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Quality Restaurant	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Quality Restaurant	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Recreational Swimming Pool	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Recreational Swimming Pool	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

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

5.15.2. Mitigated

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

5.18.1.2. Mitigated

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

5.18.1.2. Mitigated

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)

5.18.2.2. Mitigated

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	25.9	annual days of extreme heat
Extreme Precipitation	9.15	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	16.9	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 (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth 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 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.

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	N/A	N/A	N/A	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	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	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	N/A	N/A	N/A	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	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A

Air Quality Degradation	N/A	N/A	N/A	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 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	84.6
AQ-PM	72.3
AQ-DPM	82.1
Drinking Water	73.7
Lead Risk Housing	39.3
Pesticides	0.00
Toxic Releases	71.1
Traffic	75.2
Effect Indicators	—
CleanUp Sites	73.4
Groundwater	14.3
Haz Waste Facilities/Generators	53.5
Impaired Water Bodies	0.00
Solid Waste	52.9

Sensitive Population	—
Asthma	12.1
Cardio-vascular	3.07
Low Birth Weights	6.13
Socioeconomic Factor Indicators	—
Education	20.9
Housing	89.6
Linguistic	91.3
Poverty	42.1
Unemployment	—

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	58.2574105
Employed	65.58449891
Median HI	53.81752855
Education	—
Bachelor's or higher	78.22404722
High school enrollment	100
Preschool enrollment	31.61811882
Transportation	—
Auto Access	95.6242782
Active commuting	57.55164892
Social	—
2-parent households	53.85602464

Voting	33.79956371
Neighborhood	—
Alcohol availability	23.49544463
Park access	81.35506224
Retail density	37.95714102
Supermarket access	44.36032337
Tree canopy	76.99217246
Housing	—
Homeownership	23.32862826
Housing habitability	26.2928269
Low-inc homeowner severe housing cost burden	7.76337739
Low-inc renter severe housing cost burden	36.2504812
Uncrowded housing	51.23829077
Health Outcomes	—
Insured adults	51.58475555
Arthritis	0.0
Asthma ER Admissions	93.8
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	89.9
Cognitively Disabled	80.8
Physically Disabled	84.3
Heart Attack ER Admissions	75.0

Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	81.6
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	92.8
Elderly	81.3
English Speaking	8.1
Foreign-born	96.0
Outdoor Workers	95.1
Climate Change Adaptive Capacity	—
Impervious Surface Cover	12.2
Traffic Density	84.2
Traffic Access	23.0
Other Indices	—
Hardship	31.9
Other Decision Support	—
2016 Voting	11.4

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	46.0
Healthy Places Index Score for Project Location (b)	57.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
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	Landscaping provided in plans
Construction: Construction Phases	Project specific information provided by Applicant
Construction: Off-Road Equipment	CalEEMod defaults, added 1 excavator
Construction: Architectural Coatings	CalEEMod Defaults, and parking area square footage added
Operations: Vehicle Data	trip rates per TIA, with reductions for internal trip capture
Operations: Hearths	no woodstoves per SCAQMD rule 445, no woodburning fireplaces, no units will have fire places

Derby Mixed Use EIR_Proposed Project_LST 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

2.3. Construction Emissions by Year, Mitigated

2.4. Operations Emissions Compared Against Thresholds

2.5. Operations Emissions by Sector, Unmitigated

2.6. Operations Emissions by Sector, Mitigated

3. Construction Emissions Details

3.1. Demolition (2024) - Unmitigated

3.2. Demolition (2024) - Mitigated

3.3. Site Preparation (2024) - Unmitigated

3.4. Site Preparation (2024) - Mitigated

3.5. Grading (2024) - Unmitigated

3.6. Grading (2024) - Mitigated

3.7. Building Construction (2024) - Unmitigated

3.8. Building Construction (2024) - Mitigated

3.9. Building Construction (2025) - Unmitigated

3.10. Building Construction (2025) - Mitigated

3.11. Paving (2025) - Unmitigated

3.12. Paving (2025) - Mitigated

3.13. Architectural Coating (2025) - Unmitigated

3.14. Architectural Coating (2025) - Mitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.1.2. Mitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.2. Electricity Emissions By Land Use - Mitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.2.4. Natural Gas Emissions By Land Use - Mitigated

4.3. Area Emissions by Source

4.3.2. Unmitigated

4.3.1. Mitigated

4.4. Water Emissions by Land Use

4.4.2. Unmitigated

4.4.1. Mitigated

4.5. Waste Emissions by Land Use

4.5.2. Unmitigated

4.5.1. Mitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.6.2. Mitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.7.2. Mitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.8.2. Mitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.9.2. Mitigated

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

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.2.2. Mitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.3.2. Mitigated

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

5.9.2. Mitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.10.4. Landscape Equipment - Mitigated

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.11.2. Mitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.12.2. Mitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.13.2. Mitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.14.2. Mitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

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

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

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	Derby Mixed Use EIR_Proposed Project_LST
Construction Start Date	3/1/2024
Operational Year	2025
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	0.50
Precipitation (days)	24.4
Location	34.140501873238875, -118.02369376129494
County	Los Angeles-South Coast
City	Arcadia
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4923
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.12

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

Enclosed Parking with Elevator	117	1000sqft	0.00	117,480	0.00	—	—	—
Fast Food Restaurant w/o Drive Thru	1.40	1000sqft	0.00	1,400	0.00	—	—	—
High Turnover (Sit Down Restaurant)	3.30	1000sqft	0.00	3,300	0.00	—	—	—
Quality Restaurant	12.8	1000sqft	0.00	12,850	0.00	—	—	—
Recreational Swimming Pool	1.00	1000sqft	0.00	1,000	0.00	—	—	—
Apartments Mid Rise	214	Dwelling Unit	2.23	202,870	11,304	—	608	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Transportation	T-1	Increase Residential Density
Transportation	T-3	Provide Transit-Oriented Development
Transportation	T-4	Integrate A ordable and Below Market Rate Housing

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.	2.09	1.75	16.8	16.5	0.03	0.77	3.96	4.63	0.71	1.36	2.07	—	2,723	2,723	0.11	0.02	< 0.005	2,733
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	1.93	66.7	15.6	16.1	0.02	0.67	3.96	4.63	0.62	0.59	1.20	—	2,501	2,501	0.10	0.02	< 0.005	2,510
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.01	4.72	7.55	7.82	0.01	0.32	0.70	1.01	0.29	0.16	0.45	—	1,386	1,386	0.06	0.01	< 0.005	1,391
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.18	0.86	1.38	1.43	< 0.005	0.06	0.13	0.19	0.05	0.03	0.08	—	230	230	0.01	< 0.005	< 0.005	230

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	2.09	1.75	16.8	16.5	0.03	0.77	3.96	4.63	0.71	1.36	2.07	—	2,723	2,723	0.11	0.02	< 0.005	2,733
2025	1.49	1.24	10.7	11.9	0.02	0.40	0.26	0.66	0.37	0.03	0.40	—	2,209	2,209	0.09	0.02	< 0.005	2,217
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	1.93	1.61	15.6	16.1	0.02	0.67	3.96	4.63	0.62	0.59	1.20	—	2,501	2,501	0.10	0.02	< 0.005	2,510
2025	1.49	66.7	10.7	11.9	0.02	0.40	0.26	0.66	0.37	0.03	0.40	—	2,209	2,209	0.09	0.02	< 0.005	2,217
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	1.01	0.84	7.55	7.82	0.01	0.32	0.70	1.01	0.29	0.16	0.45	—	1,386	1,386	0.06	0.01	< 0.005	1,391
2025	0.85	4.72	6.10	6.90	0.01	0.23	0.17	0.40	0.21	0.02	0.23	—	1,260	1,260	0.05	0.01	< 0.005	1,264
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.18	0.15	1.38	1.43	< 0.005	0.06	0.13	0.19	0.05	0.03	0.08	—	230	230	0.01	< 0.005	< 0.005	230
2025	0.16	0.86	1.11	1.26	< 0.005	0.04	0.03	0.07	0.04	< 0.005	0.04	—	209	209	0.01	< 0.005	< 0.005	209

2.3. Construction Emissions by Year, Mitigated

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	2.09	1.75	16.8	16.5	0.03	0.77	3.96	4.63	0.71	1.36	2.07	—	2,723	2,723	0.11	0.02	< 0.005	2,733
2025	1.49	1.24	10.7	11.9	0.02	0.40	0.26	0.66	0.37	0.03	0.40	—	2,209	2,209	0.09	0.02	< 0.005	2,217
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	1.93	1.61	15.6	16.1	0.02	0.67	3.96	4.63	0.62	0.59	1.20	—	2,501	2,501	0.10	0.02	< 0.005	2,510
2025	1.49	66.7	10.7	11.9	0.02	0.40	0.26	0.66	0.37	0.03	0.40	—	2,209	2,209	0.09	0.02	< 0.005	2,217
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	1.01	0.84	7.55	7.82	0.01	0.32	0.70	1.01	0.29	0.16	0.45	—	1,386	1,386	0.06	0.01	< 0.005	1,391
2025	0.85	4.72	6.10	6.90	0.01	0.23	0.17	0.40	0.21	0.02	0.23	—	1,260	1,260	0.05	0.01	< 0.005	1,264
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.18	0.15	1.38	1.43	< 0.005	0.06	0.13	0.19	0.05	0.03	0.08	—	230	230	0.01	< 0.005	< 0.005	230
2025	0.16	0.86	1.11	1.26	< 0.005	0.04	0.03	0.07	0.04	< 0.005	0.04	—	209	209	0.01	< 0.005	< 0.005	209

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.	15.8	18.9	11.5	136	0.29	0.28	9.93	10.2	0.27	1.77	2.04	147	31,802	31,948	16.3	1.17	134	32,838
Mit.	11.9	15.4	8.57	102	0.21	0.23	7.04	7.27	0.22	1.25	1.48	147	23,511	23,658	15.9	0.85	104	24,415

% Reduced	25%	18%	26%	25%	28%	19%	29%	29%	18%	29%	28%	—	26%	26%	2%	27%	23%	26%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	13.4	16.7	12.4	108	0.27	0.27	9.93	10.2	0.26	1.77	2.03	147	30,540	30,686	16.4	1.22	31.6	31,491
Mit.	9.57	13.2	9.10	76.8	0.20	0.22	7.04	7.26	0.21	1.25	1.46	147	22,600	22,747	16.0	0.89	30.8	23,443
% Reduced	29%	21%	26%	29%	28%	19%	29%	29%	19%	29%	28%	—	26%	26%	2%	27%	3%	26%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	11.9	15.5	9.18	89.7	0.19	0.22	6.54	6.76	0.21	1.16	1.38	147	21,567	21,713	16.0	0.88	58.9	22,434
Mit.	8.80	12.7	6.68	65.5	0.13	0.18	4.43	4.61	0.18	0.79	0.97	147	15,683	15,830	15.7	0.63	49.2	16,459
% Reduced	26%	18%	27%	27%	31%	18%	32%	32%	17%	32%	30%	—	27%	27%	2%	29%	16%	27%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.18	2.83	1.67	16.4	0.03	0.04	1.19	1.23	0.04	0.21	0.25	24.3	3,571	3,595	2.65	0.15	9.74	3,714
Mit.	1.61	2.32	1.22	11.9	0.02	0.03	0.81	0.84	0.03	0.14	0.18	24.3	2,597	2,621	2.60	0.10	8.14	2,725
% Reduced	26%	18%	27%	27%	31%	18%	32%	32%	17%	32%	30%	—	27%	27%	2%	29%	16%	27%

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	13.4	12.0	10.2	118	0.28	0.18	9.93	10.1	0.17	1.77	1.94	—	28,504	28,504	1.29	1.08	105	28,963
Area	2.20	6.78	0.17	18.0	< 0.005	0.01	—	0.01	0.02	—	0.02	0.00	56.8	56.8	< 0.005	< 0.005	—	57.0

Energy	0.13	0.06	1.14	0.71	0.01	0.09	—	0.09	0.09	—	0.09	—	3,153	3,153	0.29	0.02	—	3,167
Water	—	—	—	—	—	—	—	—	—	—	—	25.6	87.9	113	2.63	0.06	—	198
Waste	—	—	—	—	—	—	—	—	—	—	—	121	0.00	121	12.1	0.00	—	424
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	28.9	28.9
Total	15.8	18.9	11.5	136	0.29	0.28	9.93	10.2	0.27	1.77	2.04	147	31,802	31,948	16.3	1.17	134	32,838
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	13.3	11.9	11.2	107	0.27	0.18	9.93	10.1	0.17	1.77	1.94	—	27,298	27,298	1.34	1.14	2.73	27,673
Area	0.00	4.72	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.13	0.06	1.14	0.71	0.01	0.09	—	0.09	0.09	—	0.09	—	3,153	3,153	0.29	0.02	—	3,167
Water	—	—	—	—	—	—	—	—	—	—	—	25.6	87.9	113	2.63	0.06	—	198
Waste	—	—	—	—	—	—	—	—	—	—	—	121	0.00	121	12.1	0.00	—	424
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	28.9	28.9
Total	13.4	16.7	12.4	108	0.27	0.27	9.93	10.2	0.26	1.77	2.03	147	30,540	30,686	16.4	1.22	31.6	31,491
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	10.3	9.33	7.92	76.6	0.18	0.12	6.54	6.66	0.11	1.16	1.28	—	18,286	18,286	0.97	0.79	30.0	18,577
Area	1.51	6.13	0.12	12.3	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	38.9	38.9	< 0.005	< 0.005	—	39.0
Energy	0.13	0.06	1.14	0.71	0.01	0.09	—	0.09	0.09	—	0.09	—	3,153	3,153	0.29	0.02	—	3,167
Water	—	—	—	—	—	—	—	—	—	—	—	25.6	87.9	113	2.63	0.06	—	198
Waste	—	—	—	—	—	—	—	—	—	—	—	121	0.00	121	12.1	0.00	—	424
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	28.9	28.9
Total	11.9	15.5	9.18	89.7	0.19	0.22	6.54	6.76	0.21	1.16	1.38	147	21,567	21,713	16.0	0.88	58.9	22,434
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.88	1.70	1.45	14.0	0.03	0.02	1.19	1.21	0.02	0.21	0.23	—	3,028	3,028	0.16	0.13	4.96	3,076
Area	0.28	1.12	0.02	2.25	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	6.44	6.44	< 0.005	< 0.005	—	6.46
Energy	0.02	0.01	0.21	0.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	522	522	0.05	< 0.005	—	524
Water	—	—	—	—	—	—	—	—	—	—	—	4.24	14.5	18.8	0.44	0.01	—	32.8

Waste	—	—	—	—	—	—	—	—	—	—	—	20.1	0.00	20.1	2.00	0.00	—	70.2
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.78	4.78
Total	2.18	2.83	1.67	16.4	0.03	0.04	1.19	1.23	0.04	0.21	0.25	24.3	3,571	3,595	2.65	0.15	9.74	3,714

2.6. Operations Emissions by Sector, Mitigated

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	9.55	8.57	7.26	83.6	0.20	0.13	7.04	7.17	0.12	1.25	1.37	—	20,213	20,213	0.92	0.77	74.8	20,539
Area	2.20	6.78	0.17	18.0	< 0.005	0.01	—	0.01	0.02	—	0.02	0.00	56.8	56.8	< 0.005	< 0.005	—	57.0
Energy	0.13	0.06	1.14	0.71	0.01	0.09	—	0.09	0.09	—	0.09	—	3,153	3,153	0.29	0.02	—	3,167
Water	—	—	—	—	—	—	—	—	—	—	—	25.6	87.9	113	2.63	0.06	—	198
Waste	—	—	—	—	—	—	—	—	—	—	—	121	0.00	121	12.1	0.00	—	424
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	28.9	28.9
Total	11.9	15.4	8.57	102	0.21	0.23	7.04	7.27	0.22	1.25	1.48	147	23,511	23,658	15.9	0.85	104	24,415
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	9.44	8.45	7.96	76.1	0.19	0.13	7.04	7.17	0.12	1.25	1.37	—	19,359	19,359	0.95	0.81	1.94	19,625
Area	0.00	4.72	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.13	0.06	1.14	0.71	0.01	0.09	—	0.09	0.09	—	0.09	—	3,153	3,153	0.29	0.02	—	3,167
Water	—	—	—	—	—	—	—	—	—	—	—	25.6	87.9	113	2.63	0.06	—	198
Waste	—	—	—	—	—	—	—	—	—	—	—	121	0.00	121	12.1	0.00	—	424
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	28.9	28.9
Total	9.57	13.2	9.10	76.8	0.20	0.22	7.04	7.26	0.21	1.25	1.46	147	22,600	22,747	16.0	0.89	30.8	23,443
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Mobile	7.17	6.51	5.42	52.4	0.12	0.08	4.43	4.51	0.08	0.79	0.87	—	12,403	12,403	0.67	0.54	20.3	12,602
Area	1.51	6.13	0.12	12.3	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	38.9	38.9	< 0.005	< 0.005	—	39.0
Energy	0.13	0.06	1.14	0.71	0.01	0.09	—	0.09	0.09	—	0.09	—	3,153	3,153	0.29	0.02	—	3,167
Water	—	—	—	—	—	—	—	—	—	—	—	25.6	87.9	113	2.63	0.06	—	198
Waste	—	—	—	—	—	—	—	—	—	—	—	121	0.00	121	12.1	0.00	—	424
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	28.9	28.9
Total	8.80	12.7	6.68	65.5	0.13	0.18	4.43	4.61	0.18	0.79	0.97	147	15,683	15,830	15.7	0.63	49.2	16,459
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.31	1.19	0.99	9.56	0.02	0.02	0.81	0.82	0.01	0.14	0.16	—	2,053	2,053	0.11	0.09	3.36	2,086
Area	0.28	1.12	0.02	2.25	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	6.44	6.44	< 0.005	< 0.005	—	6.46
Energy	0.02	0.01	0.21	0.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	522	522	0.05	< 0.005	—	524
Water	—	—	—	—	—	—	—	—	—	—	—	4.24	14.5	18.8	0.44	0.01	—	32.8
Waste	—	—	—	—	—	—	—	—	—	—	—	20.1	0.00	20.1	2.00	0.00	—	70.2
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.78	4.78
Total	1.61	2.32	1.22	11.9	0.02	0.03	0.81	0.84	0.03	0.14	0.18	24.3	2,597	2,621	2.60	0.10	8.14	2,725

3. Construction Emissions Details

3.1. Demolition (2024) - 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	1.92	1.61	15.6	16.0	0.02	0.67	—	0.67	0.62	—	0.62	—	2,494	2,494	0.10	0.02	—	2,502
Demolition	—	—	—	—	—	—	3.70	3.70	—	0.56	0.56	—	—	—	—	—	—	—

Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	—	7.55	7.55	< 0.005	< 0.005	< 0.005	8.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.92	1.61	15.6	16.0	0.02	0.67	—	0.67	0.62	—	0.62	—	2,494	2,494	0.10	0.02	—	2,502
Demolition	—	—	—	—	—	—	3.70	3.70	—	0.56	0.56	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	—	7.66	7.66	< 0.005	< 0.005	< 0.005	8.10
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18	0.15	1.45	1.49	< 0.005	0.06	—	0.06	0.06	—	0.06	—	232	232	0.01	< 0.005	—	233
Demolition	—	—	—	—	—	—	0.34	0.34	—	0.05	0.05	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	0.71	0.71	< 0.005	< 0.005	< 0.005	0.75
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.26	0.27	< 0.005	0.01	—	0.01	0.01	—	0.01	—	38.5	38.5	< 0.005	< 0.005	—	38.6
Demolition	—	—	—	—	—	—	0.06	0.06	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	< 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	0.12
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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

3.2. Demolition (2024) - Mitigated

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	1.92	1.61	15.6	16.0	0.02	0.67	—	0.67	0.62	—	0.62	—	2,494	2,494	0.10	0.02	—	2,502
Demolition	—	—	—	—	—	—	3.70	3.70	—	0.56	0.56	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	—	7.55	7.55	< 0.005	< 0.005	< 0.005	8.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.92	1.61	15.6	16.0	0.02	0.67	—	0.67	0.62	—	0.62	—	2,494	2,494	0.10	0.02	—	2,502
Demolition	—	—	—	—	—	—	3.70	3.70	—	0.56	0.56	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	—	7.66	7.66	< 0.005	< 0.005	< 0.005	8.10
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18	0.15	1.45	1.49	< 0.005	0.06	—	0.06	0.06	—	0.06	—	232	232	0.01	< 0.005	—	233
Demolition	—	—	—	—	—	—	0.34	0.34	—	0.05	0.05	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	0.71	0.71	< 0.005	< 0.005	< 0.005	0.75
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.26	0.27	< 0.005	0.01	—	0.01	0.01	—	0.01	—	38.5	38.5	< 0.005	< 0.005	—	38.6
Demolition	—	—	—	—	—	—	0.06	0.06	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	< 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	0.12
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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

3.3. Site Preparation (2024) - 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	1.56	1.31	12.7	11.4	0.03	0.55	—	0.55	0.51	—	0.51	—	2,716	2,716	0.11	0.02	—	2,725
Dust From Material Movement	—	—	—	—	—	—	0.62	0.62	—	0.07	0.07	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	—	7.55	7.55	< 0.005	< 0.005	< 0.005	8.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.35	0.31	< 0.005	0.02	—	0.02	0.01	—	0.01	—	74.4	74.4	< 0.005	< 0.005	—	74.7
Dust From Material Movement	—	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	0.21	0.21	< 0.005	< 0.005	< 0.005	0.22
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	12.3	12.3	< 0.005	< 0.005	—	12.4
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.03	0.03	< 0.005	< 0.005	< 0.005	0.04
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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

3.4. Site Preparation (2024) - Mitigated

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	1.56	1.31	12.7	11.4	0.03	0.55	—	0.55	0.51	—	0.51	—	2,716	2,716	0.11	0.02	—	2,725
Dust From Material Movement	—	—	—	—	—	—	0.62	0.62	—	0.07	0.07	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	—	7.55	7.55	< 0.005	< 0.005	< 0.005	8.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.35	0.31	< 0.005	0.02	—	0.02	0.01	—	0.01	—	74.4	74.4	< 0.005	< 0.005	—	74.7

Dust From Material Movement	—	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	0.21	0.21	< 0.005	< 0.005	< 0.005	0.22
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	12.3	12.3	< 0.005	< 0.005	—	12.4
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.03	0.03	< 0.005	< 0.005	< 0.005	0.04
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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 (2024) - 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	2.08	1.75	16.7	16.4	0.02	0.77	—	0.77	0.71	—	0.71	—	2,595	2,595	0.11	0.02	—	2,604
Dust From Material Movement	—	—	—	—	—	—	2.77	2.77	—	1.34	1.34	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	—	7.55	7.55	< 0.005	< 0.005	< 0.005	8.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	1.10	1.08	< 0.005	0.05	—	0.05	0.05	—	0.05	—	171	171	0.01	< 0.005	—	171
Dust From Material Movement	—	—	—	—	—	—	0.18	0.18	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	0.50	0.50	< 0.005	< 0.005	< 0.005	0.53
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.20	0.20	< 0.005	0.01	—	0.01	0.01	—	0.01	—	28.3	28.3	< 0.005	< 0.005	—	28.4

Dust From Material Movement	—	—	—	—	—	—	0.03	0.03	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.08	0.08	< 0.005	< 0.005	< 0.005	0.09
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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

3.6. Grading (2024) - Mitigated

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	2.08	1.75	16.7	16.4	0.02	0.77	—	0.77	0.71	—	0.71	—	2,595	2,595	0.11	0.02	—	2,604
Dust From Material Movement	—	—	—	—	—	—	2.77	2.77	—	1.34	1.34	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	—	7.55	7.55	< 0.005	< 0.005	< 0.005	8.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	1.10	1.08	< 0.005	0.05	—	0.05	0.05	—	0.05	—	171	171	0.01	< 0.005	—	171
Dust From Material Movement	—	—	—	—	—	—	0.18	0.18	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	0.50	0.50	< 0.005	< 0.005	< 0.005	0.53
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.20	0.20	< 0.005	0.01	—	0.01	0.01	—	0.01	—	28.3	28.3	< 0.005	< 0.005	—	28.4
Dust From Material Movement	—	—	—	—	—	—	0.03	0.03	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.08	0.08	< 0.005	< 0.005	< 0.005	0.09
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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

3.7. Building Construction (2024) - 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	1.58	1.32	11.2	11.9	0.02	0.46	—	0.46	0.42	—	0.42	—	2,201	2,201	0.09	0.02	—	2,209
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	—	7.55	7.55	< 0.005	< 0.005	< 0.005	8.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.58	1.32	11.2	11.9	0.02	0.46	—	0.46	0.42	—	0.42	—	2,201	2,201	0.09	0.02	—	2,209
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	—	7.66	7.66	< 0.005	< 0.005	< 0.005	8.10
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.65	0.54	4.62	4.91	0.01	0.19	—	0.19	0.17	—	0.17	—	905	905	0.04	0.01	—	908
Onsite truck	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.11	0.11	< 0.005	0.01	0.01	—	3.12	3.12	< 0.005	< 0.005	< 0.005	3.31
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.84	0.90	< 0.005	0.03	—	0.03	0.03	—	0.03	—	150	150	0.01	< 0.005	—	150
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	0.52	0.52	< 0.005	< 0.005	< 0.005	0.55
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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

3.8. Building Construction (2024) - Mitigated

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	1.58	1.32	11.2	11.9	0.02	0.46	—	0.46	0.42	—	0.42	—	2,201	2,201	0.09	0.02	—	2,209
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	—	7.55	7.55	< 0.005	< 0.005	< 0.005	8.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.58	1.32	11.2	11.9	0.02	0.46	—	0.46	0.42	—	0.42	—	2,201	2,201	0.09	0.02	—	2,209
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	—	7.66	7.66	< 0.005	< 0.005	< 0.005	8.10
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.65	0.54	4.62	4.91	0.01	0.19	—	0.19	0.17	—	0.17	—	905	905	0.04	0.01	—	908

Onsite truck	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.11	0.11	< 0.005	0.01	0.01	—	3.12	3.12	< 0.005	< 0.005	< 0.005	3.31
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.84	0.90	< 0.005	0.03	—	0.03	0.03	—	0.03	—	150	150	0.01	< 0.005	—	150
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	0.52	0.52	< 0.005	< 0.005	< 0.005	0.55
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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

3.9. Building Construction (2025) - 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	1.49	1.24	10.6	11.9	0.02	0.40	—	0.40	0.37	—	0.37	—	2,201	2,201	0.09	0.02	—	2,209
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	—	7.43	7.43	< 0.005	< 0.005	< 0.005	7.87
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.49	1.24	10.6	11.9	0.02	0.40	—	0.40	0.37	—	0.37	—	2,201	2,201	0.09	0.02	—	2,209
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	—	7.54	7.54	< 0.005	< 0.005	< 0.005	7.98
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.79	0.66	5.64	6.31	0.01	0.22	—	0.22	0.20	—	0.20	—	1,172	1,172	0.05	0.01	—	1,176
Onsite truck	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	0.14	0.14	< 0.005	0.01	0.01	—	3.98	3.98	< 0.005	< 0.005	< 0.005	4.21
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	1.03	1.15	< 0.005	0.04	—	0.04	0.04	—	0.04	—	194	194	0.01	< 0.005	—	195
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	< 0.005	—	0.66	0.66	< 0.005	< 0.005	< 0.005	0.70
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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

3.10. Building Construction (2025) - Mitigated

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	1.49	1.24	10.6	11.9	0.02	0.40	—	0.40	0.37	—	0.37	—	2,201	2,201	0.09	0.02	—	2,209
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	—	7.43	7.43	< 0.005	< 0.005	< 0.005	7.87
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.49	1.24	10.6	11.9	0.02	0.40	—	0.40	0.37	—	0.37	—	2,201	2,201	0.09	0.02	—	2,209
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	—	7.54	7.54	< 0.005	< 0.005	< 0.005	7.98
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.79	0.66	5.64	6.31	0.01	0.22	—	0.22	0.20	—	0.20	—	1,172	1,172	0.05	0.01	—	1,176
Onsite truck	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	0.14	0.14	< 0.005	0.01	0.01	—	3.98	3.98	< 0.005	< 0.005	< 0.005	4.21
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	1.03	1.15	< 0.005	0.04	—	0.04	0.04	—	0.04	—	194	194	0.01	< 0.005	—	195
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	< 0.005	—	0.66	0.66	< 0.005	< 0.005	< 0.005	0.70
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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

3.11. Paving (2025) - 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	0.83	0.70	6.13	8.21	0.01	0.27	—	0.27	0.25	—	0.25	—	1,244	1,244	0.05	0.01	—	1,248
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	—	7.43	7.43	< 0.005	< 0.005	< 0.005	7.87
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.70	6.13	8.21	0.01	0.27	—	0.27	0.25	—	0.25	—	1,244	1,244	0.05	0.01	—	1,248
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	—	7.54	7.54	< 0.005	< 0.005	< 0.005	7.98
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.37	0.50	< 0.005	0.02	—	0.02	0.02	—	0.02	—	75.0	75.0	< 0.005	< 0.005	—	75.2
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	0.45	0.45	< 0.005	< 0.005	< 0.005	0.48
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	12.4	12.4	< 0.005	< 0.005	—	12.5
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.07	0.07	< 0.005	< 0.005	< 0.005	0.08
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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

3.12. Paving (2025) - Mitigated

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	0.83	0.70	6.13	8.21	0.01	0.27	—	0.27	0.25	—	0.25	—	1,244	1,244	0.05	0.01	—	1,248
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	—	7.43	7.43	< 0.005	< 0.005	< 0.005	7.87
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.70	6.13	8.21	0.01	0.27	—	0.27	0.25	—	0.25	—	1,244	1,244	0.05	0.01	—	1,248
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	—	7.54	7.54	< 0.005	< 0.005	< 0.005	7.98
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.37	0.50	< 0.005	0.02	—	0.02	0.02	—	0.02	—	75.0	75.0	< 0.005	< 0.005	—	75.2
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	0.45	0.45	< 0.005	< 0.005	< 0.005	0.48
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	12.4	12.4	< 0.005	< 0.005	—	12.5
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.07	0.07	< 0.005	< 0.005	< 0.005	0.08
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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 (2025) - 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	0.15	0.13	0.88	1.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	66.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	—	7.54	7.54	< 0.005	< 0.005	< 0.005	7.98
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.05	8.05	< 0.005	< 0.005	—	8.08
Architectural Coatings	—	4.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	0.45	0.45	< 0.005	< 0.005	< 0.005	0.48
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.33	1.33	< 0.005	< 0.005	—	1.34
Architectural Coatings	—	0.73	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.07	0.07	< 0.005	< 0.005	< 0.005	0.08
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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

3.14. Architectural Coating (2025) - Mitigated

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	0.15	0.13	0.88	1.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	66.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	—	7.54	7.54	< 0.005	< 0.005	< 0.005	7.98
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.05	8.05	< 0.005	< 0.005	—	8.08
Architectural Coatings	—	4.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	0.45	0.45	< 0.005	< 0.005	< 0.005	0.48
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.33	1.33	< 0.005	< 0.005	—	1.34
Architectural Coatings	—	0.73	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.07	0.07	< 0.005	< 0.005	< 0.005	0.08
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Fast Food Restaurant w/o Drive Thru	3.41	3.07	2.58	29.7	0.07	0.05	2.50	2.54	0.04	0.44	0.49	—	7,167	7,167	0.33	0.27	26.5	7,283

High Turnover (Sit Down Restaurant)	1.66	1.49	1.26	14.5	0.03	0.02	1.22	1.24	0.02	0.22	0.24	—	3,490	3,490	0.16	0.13	12.9	3,546
Quality Restaurant	4.50	4.04	3.40	39.1	0.09	0.06	3.29	3.35	0.06	0.59	0.64	—	9,450	9,450	0.43	0.36	34.9	9,602
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Mid Rise	3.84	3.44	2.99	34.5	0.08	0.05	2.93	2.98	0.05	0.52	0.57	—	8,397	8,397	0.37	0.32	31.1	8,532
Total	13.4	12.0	10.2	118	0.28	0.18	9.93	10.1	0.17	1.77	1.94	—	28,504	28,504	1.29	1.08	105	28,963
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Fast Food Restaurant w/o Drive Thru	3.38	3.02	2.83	27.0	0.07	0.05	2.50	2.54	0.04	0.44	0.49	—	6,864	6,864	0.34	0.29	0.69	6,958
High Turnover (Sit Down Restaurant)	1.64	1.47	1.38	13.2	0.03	0.02	1.22	1.24	0.02	0.22	0.24	—	3,342	3,342	0.16	0.14	0.33	3,388
Quality Restaurant	4.45	3.99	3.73	35.6	0.09	0.06	3.29	3.35	0.06	0.59	0.64	—	9,050	9,050	0.45	0.38	0.91	9,175
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Apartme Mid Rise	3.80	3.39	3.27	31.3	0.08	0.05	2.93	2.98	0.05	0.52	0.57	—	8,042	8,042	0.39	0.33	0.81	8,151
Total	13.3	11.9	11.2	107	0.27	0.18	9.93	10.1	0.17	1.77	1.94	—	27,298	27,298	1.34	1.14	2.73	27,673
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Fast Food Restaurant w/o Drive Thru	0.37	0.33	0.31	3.05	0.01	< 0.005	0.27	0.28	< 0.005	0.05	0.05	—	691	691	0.03	0.03	1.14	701
High Turnover (Sit Down Restaurant)	0.21	0.20	0.14	1.37	< 0.005	< 0.005	0.11	0.11	< 0.005	0.02	0.02	—	273	273	0.02	0.01	0.44	278
Quality Restaurant	0.64	0.59	0.41	3.98	0.01	0.01	0.30	0.31	0.01	0.05	0.06	—	783	783	0.05	0.04	1.27	796
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Mid Rise	0.66	0.58	0.57	5.59	0.01	0.01	0.51	0.52	0.01	0.09	0.10	—	1,281	1,281	0.06	0.05	2.11	1,300
Total	1.88	1.70	1.45	14.0	0.03	0.02	1.19	1.21	0.02	0.21	0.23	—	3,028	3,028	0.16	0.13	4.96	3,076

4.1.2. Mitigated

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Fast Food Restaurant w/o Drive Thru	2.66	2.39	2.01	23.2	0.05	0.04	1.95	1.98	0.03	0.35	0.38	—	5,590	5,590	0.25	0.21	20.7	5,681
High Turnover (Sit Down Restaurant)	1.30	1.17	0.98	11.3	0.03	0.02	0.95	0.97	0.02	0.17	0.18	—	2,722	2,722	0.12	0.10	10.1	2,766
Quality Restaurant	3.51	3.16	2.65	30.5	0.07	0.05	2.57	2.61	0.04	0.46	0.50	—	7,371	7,371	0.34	0.28	27.3	7,490
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Mid Rise	2.07	1.86	1.61	18.6	0.04	0.03	1.58	1.61	0.03	0.28	0.31	—	4,530	4,530	0.20	0.17	16.8	4,602
Total	9.55	8.57	7.26	83.6	0.20	0.13	7.04	7.17	0.12	1.25	1.37	—	20,213	20,213	0.92	0.77	74.8	20,539
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Fast Food Restaurant w/o Drive Thru	2.63	2.36	2.21	21.1	0.05	0.04	1.95	1.98	0.03	0.35	0.38	—	5,354	5,354	0.26	0.22	0.54	5,428
High Turnover (Sit Down Restaurant)	1.28	1.15	1.07	10.3	0.03	0.02	0.95	0.97	0.02	0.17	0.18	—	2,607	2,607	0.13	0.11	0.26	2,643
Quality Restaurant	3.47	3.11	2.91	27.8	0.07	0.05	2.57	2.61	0.04	0.46	0.50	—	7,060	7,060	0.35	0.29	0.71	7,157
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Mid Rise	2.05	1.83	1.77	16.9	0.04	0.03	1.58	1.61	0.03	0.28	0.31	—	4,338	4,338	0.21	0.18	0.43	4,397
Total	9.44	8.45	7.96	76.1	0.19	0.13	7.04	7.17	0.12	1.25	1.37	—	19,359	19,359	0.95	0.81	1.94	19,625
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Fast Food Restaurant w/o Drive Thru	0.29	0.26	0.24	2.38	0.01	< 0.005	0.21	0.22	< 0.005	0.04	0.04	—	539	539	0.03	0.02	0.89	547
High Turnover (Sit Down Restaurant)	0.17	0.15	0.11	1.07	< 0.005	< 0.005	0.08	0.08	< 0.005	0.01	0.02	—	213	213	0.01	0.01	0.35	217
Quality Restaurant	0.50	0.46	0.32	3.10	0.01	< 0.005	0.24	0.24	< 0.005	0.04	0.05	—	611	611	0.04	0.03	0.99	621

Recreational	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Mid Rise	0.35	0.32	0.31	3.02	0.01	< 0.005	0.27	0.28	< 0.005	0.05	0.05	—	691	691	0.03	0.03	1.14	701
Total	1.31	1.19	0.99	9.56	0.02	0.02	0.81	0.82	0.01	0.14	0.16	—	2,053	2,053	0.11	0.09	3.36	2,086

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	414	414	0.04	< 0.005	—	417
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	46.3	46.3	< 0.005	< 0.005	—	46.6
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	109	109	0.01	< 0.005	—	110
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	425	425	0.04	< 0.005	—	428

Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	749	749	0.07	0.01	—	754
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,744	1,744	0.17	0.02	—	1,754
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	414	414	0.04	< 0.005	—	417
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	46.3	46.3	< 0.005	< 0.005	—	46.6
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	109	109	0.01	< 0.005	—	110
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	425	425	0.04	< 0.005	—	428
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	749	749	0.07	0.01	—	754
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,744	1,744	0.17	0.02	—	1,754
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	68.6	68.6	0.01	< 0.005	—	69.0
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	7.67	7.67	< 0.005	< 0.005	—	7.71
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	18.1	18.1	< 0.005	< 0.005	—	18.2
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	70.4	70.4	0.01	< 0.005	—	70.8
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	124	124	0.01	< 0.005	—	125
Total	—	—	—	—	—	—	—	—	—	—	—	—	289	289	0.03	< 0.005	—	290

4.2.2. Electricity Emissions By Land Use - Mitigated

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	414	414	0.04	< 0.005	—	417

Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	46.3	46.3	< 0.005	< 0.005	—	46.6
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	109	109	0.01	< 0.005	—	110
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	425	425	0.04	< 0.005	—	428
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	749	749	0.07	0.01	—	754
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,744	1,744	0.17	0.02	—	1,754
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	414	414	0.04	< 0.005	—	417
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	46.3	46.3	< 0.005	< 0.005	—	46.6
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	109	109	0.01	< 0.005	—	110
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	425	425	0.04	< 0.005	—	428

Recreati Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	749	749	0.07	0.01	—	754
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,744	1,744	0.17	0.02	—	1,754
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	68.6	68.6	0.01	< 0.005	—	69.0
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	7.67	7.67	< 0.005	< 0.005	—	7.71
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	18.1	18.1	< 0.005	< 0.005	—	18.2
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	70.4	70.4	0.01	< 0.005	—	70.8
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	124	124	0.01	< 0.005	—	125
Total	—	—	—	—	—	—	—	—	—	—	—	—	289	289	0.03	< 0.005	—	290

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	51.7	51.7	< 0.005	< 0.005	—	51.8
High Turnover (Sit Down Restaurant)	0.01	0.01	0.10	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	122	122	0.01	< 0.005	—	122
Quality Restaurant	0.04	0.02	0.40	0.33	< 0.005	0.03	—	0.03	0.03	—	0.03	—	474	474	0.04	< 0.005	—	475
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	0.07	0.04	0.60	0.26	< 0.005	0.05	—	0.05	0.05	—	0.05	—	762	762	0.07	< 0.005	—	764
Total	0.13	0.06	1.14	0.71	0.01	0.09	—	0.09	0.09	—	0.09	—	1,409	1,409	0.12	< 0.005	—	1,413
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Fast Food Restaurant w/o Drive Thru	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	51.7	51.7	< 0.005	< 0.005	—	51.8
High Turnover (Sit Down Restaurant)	0.01	0.01	0.10	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	122	122	0.01	< 0.005	—	122
Quality Restaurant	0.04	0.02	0.40	0.33	< 0.005	0.03	—	0.03	0.03	—	0.03	—	474	474	0.04	< 0.005	—	475
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	0.07	0.04	0.60	0.26	< 0.005	0.05	—	0.05	0.05	—	0.05	—	762	762	0.07	< 0.005	—	764
Total	0.13	0.06	1.14	0.71	0.01	0.09	—	0.09	0.09	—	0.09	—	1,409	1,409	0.12	< 0.005	—	1,413
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.55	8.55	< 0.005	< 0.005	—	8.58
High Turnover (Sit Down Restaurant)	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	20.2	20.2	< 0.005	< 0.005	—	20.2
Quality Restaurant	0.01	< 0.005	0.07	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	—	78.5	78.5	0.01	< 0.005	—	78.7

Recreational	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	0.01	0.01	0.11	0.05	< 0.005	0.01	—	0.01	0.01	—	0.01	—	126	126	0.01	< 0.005	—	126
Total	0.02	0.01	0.21	0.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	233	233	0.02	< 0.005	—	234

4.2.4. Natural Gas Emissions By Land Use - Mitigated

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	51.7	51.7	< 0.005	< 0.005	—	51.8
High Turnover (Sit Down Restaurant)	0.01	0.01	0.10	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	122	122	0.01	< 0.005	—	122
Quality Restaurant	0.04	0.02	0.40	0.33	< 0.005	0.03	—	0.03	0.03	—	0.03	—	474	474	0.04	< 0.005	—	475
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Apartments	0.07	0.04	0.60	0.26	< 0.005	0.05	—	0.05	0.05	—	0.05	—	762	762	0.07	< 0.005	—	764
Total	0.13	0.06	1.14	0.71	0.01	0.09	—	0.09	0.09	—	0.09	—	1,409	1,409	0.12	< 0.005	—	1,413
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	51.7	51.7	< 0.005	< 0.005	—	51.8
High Turnover (Sit Down Restaurant)	0.01	0.01	0.10	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	122	122	0.01	< 0.005	—	122
Quality Restaurant	0.04	0.02	0.40	0.33	< 0.005	0.03	—	0.03	0.03	—	0.03	—	474	474	0.04	< 0.005	—	475
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	0.07	0.04	0.60	0.26	< 0.005	0.05	—	0.05	0.05	—	0.05	—	762	762	0.07	< 0.005	—	764
Total	0.13	0.06	1.14	0.71	0.01	0.09	—	0.09	0.09	—	0.09	—	1,409	1,409	0.12	< 0.005	—	1,413
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Fast Food Restaurant w/o Drive Thru	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.55	8.55	< 0.005	< 0.005	—	8.58
High Turnover (Sit Down Restaurant)	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	20.2	20.2	< 0.005	< 0.005	—	20.2
Quality Restaurant	0.01	< 0.005	0.07	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	—	78.5	78.5	0.01	< 0.005	—	78.7
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	0.01	0.01	0.11	0.05	< 0.005	0.01	—	0.01	0.01	—	0.01	—	126	126	0.01	< 0.005	—	126
Total	0.02	0.01	0.21	0.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	233	233	0.02	< 0.005	—	234

4.3. Area Emissions by Source

4.3.2. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	4.72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landscape Equipme	2.20	2.06	0.17	18.0	< 0.005	0.01	—	0.01	0.02	—	0.02	—	56.8	56.8	< 0.005	< 0.005	—	57.0
Total	2.20	6.78	0.17	18.0	< 0.005	0.01	—	0.01	0.02	—	0.02	0.00	56.8	56.8	< 0.005	< 0.005	—	57.0
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	4.72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.00	4.72	0.00	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	0.86	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.28	0.26	0.02	2.25	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.44	6.44	< 0.005	< 0.005	—	6.46
Total	0.28	1.12	0.02	2.25	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	6.44	6.44	< 0.005	< 0.005	—	6.46

4.3.1. Mitigated

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	4.72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landsca Equipment	2.20	2.06	0.17	18.0	< 0.005	0.01	—	0.01	0.02	—	0.02	—	56.8	56.8	< 0.005	< 0.005	—	57.0
Total	2.20	6.78	0.17	18.0	< 0.005	0.01	—	0.01	0.02	—	0.02	0.00	56.8	56.8	< 0.005	< 0.005	—	57.0
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consum er Products	—	4.72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.00	4.72	0.00	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consum er Products	—	0.86	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landsca pe Equipme nt	0.28	0.26	0.02	2.25	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.44	6.44	< 0.005	< 0.005	—	6.46
Total	0.28	1.12	0.02	2.25	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	6.44	6.44	< 0.005	< 0.005	—	6.46

4.4. Water Emissions by Land Use

4.4.2. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.81	2.76	3.58	0.08	< 0.005	—	6.27
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	1.92	6.51	8.43	0.20	< 0.005	—	14.8
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	7.47	25.4	32.8	0.77	0.02	—	57.6
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.11	0.38	0.50	0.01	< 0.005	—	0.87
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	15.3	52.8	68.1	1.57	0.04	—	119
Total	—	—	—	—	—	—	—	—	—	—	—	25.6	87.9	113	2.63	0.06	—	198
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.81	2.76	3.58	0.08	< 0.005	—	6.27

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	1.92	6.51	8.43	0.20	< 0.005	—	14.8
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	7.47	25.4	32.8	0.77	0.02	—	57.6
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.11	0.38	0.50	0.01	< 0.005	—	0.87
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	15.3	52.8	68.1	1.57	0.04	—	119
Total	—	—	—	—	—	—	—	—	—	—	—	25.6	87.9	113	2.63	0.06	—	198
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.13	0.46	0.59	0.01	< 0.005	—	1.04
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	0.32	1.08	1.40	0.03	< 0.005	—	2.45
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	1.24	4.20	5.44	0.13	< 0.005	—	9.53
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.02	0.06	0.08	< 0.005	< 0.005	—	0.14

Apartments	—	—	—	—	—	—	—	—	—	—	—	2.53	8.75	11.3	0.26	0.01	—	19.7
Total	—	—	—	—	—	—	—	—	—	—	—	4.24	14.5	18.8	0.44	0.01	—	32.8

4.4.1. Mitigated

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.81	2.76	3.58	0.08	< 0.005	—	6.27
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	1.92	6.51	8.43	0.20	< 0.005	—	14.8
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	7.47	25.4	32.8	0.77	0.02	—	57.6
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.11	0.38	0.50	0.01	< 0.005	—	0.87
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	15.3	52.8	68.1	1.57	0.04	—	119
Total	—	—	—	—	—	—	—	—	—	—	—	25.6	87.9	113	2.63	0.06	—	198

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.81	2.76	3.58	0.08	< 0.005	—	6.27
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	1.92	6.51	8.43	0.20	< 0.005	—	14.8
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	7.47	25.4	32.8	0.77	0.02	—	57.6
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.11	0.38	0.50	0.01	< 0.005	—	0.87
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	15.3	52.8	68.1	1.57	0.04	—	119
Total	—	—	—	—	—	—	—	—	—	—	—	25.6	87.9	113	2.63	0.06	—	198
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.13	0.46	0.59	0.01	< 0.005	—	1.04

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	0.32	1.08	1.40	0.03	< 0.005	—	2.45
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	1.24	4.20	5.44	0.13	< 0.005	—	9.53
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.02	0.06	0.08	< 0.005	< 0.005	—	0.14
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	2.53	8.75	11.3	0.26	0.01	—	19.7
Total	—	—	—	—	—	—	—	—	—	—	—	4.24	14.5	18.8	0.44	0.01	—	32.8

4.5. Waste Emissions by Land Use

4.5.2. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	8.69	0.00	8.69	0.87	0.00	—	30.4

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	21.2	0.00	21.2	2.12	0.00	—	74.0
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	6.32	0.00	6.32	0.63	0.00	—	22.1
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	3.07	0.00	3.07	0.31	0.00	—	10.7
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	81.9	0.00	81.9	8.18	0.00	—	286
Total	—	—	—	—	—	—	—	—	—	—	—	121	0.00	121	12.1	0.00	—	424
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	8.69	0.00	8.69	0.87	0.00	—	30.4
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	21.2	0.00	21.2	2.12	0.00	—	74.0
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	6.32	0.00	6.32	0.63	0.00	—	22.1

Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	3.07	0.00	3.07	0.31	0.00	—	10.7
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	81.9	0.00	81.9	8.18	0.00	—	286
Total	—	—	—	—	—	—	—	—	—	—	—	121	0.00	121	12.1	0.00	—	424
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	1.44	0.00	1.44	0.14	0.00	—	5.03
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	3.50	0.00	3.50	0.35	0.00	—	12.3
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	1.05	0.00	1.05	0.10	0.00	—	3.66
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.51	0.00	0.51	0.05	0.00	—	1.78
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	13.6	0.00	13.6	1.35	0.00	—	47.4
Total	—	—	—	—	—	—	—	—	—	—	—	20.1	0.00	20.1	2.00	0.00	—	70.2

4.5.1. Mitigated

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	8.69	0.00	8.69	0.87	0.00	—	30.4
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	21.2	0.00	21.2	2.12	0.00	—	74.0
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	6.32	0.00	6.32	0.63	0.00	—	22.1
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	3.07	0.00	3.07	0.31	0.00	—	10.7
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	81.9	0.00	81.9	8.18	0.00	—	286
Total	—	—	—	—	—	—	—	—	—	—	—	121	0.00	121	12.1	0.00	—	424
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	8.69	0.00	8.69	0.87	0.00	—	30.4
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	21.2	0.00	21.2	2.12	0.00	—	74.0
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	6.32	0.00	6.32	0.63	0.00	—	22.1
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	3.07	0.00	3.07	0.31	0.00	—	10.7
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	81.9	0.00	81.9	8.18	0.00	—	286
Total	—	—	—	—	—	—	—	—	—	—	—	121	0.00	121	12.1	0.00	—	424
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	1.44	0.00	1.44	0.14	0.00	—	5.03
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	3.50	0.00	3.50	0.35	0.00	—	12.3
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	1.05	0.00	1.05	0.10	0.00	—	3.66

Recreational	—	—	—	—	—	—	—	—	—	—	—	0.51	0.00	0.51	0.05	0.00	—	1.78
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	13.6	0.00	13.6	1.35	0.00	—	47.4
Total	—	—	—	—	—	—	—	—	—	—	—	20.1	0.00	20.1	2.00	0.00	—	70.2

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.19	2.19
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.16	5.16
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20.1	20.1
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.45	1.45

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	28.9	28.9
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.19	2.19
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.16	5.16
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20.1	20.1
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.45	1.45
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	28.9	28.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.36	0.36
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.85	0.85
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.33	3.33

Recreati Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.24	0.24
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.78	4.78

4.6.2. Mitigated

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.19	2.19
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.16	5.16
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20.1	20.1
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.45	1.45
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	28.9	28.9

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.19	2.19
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.16	5.16
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20.1	20.1
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.45	1.45
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	28.9	28.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.36	0.36
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.85	0.85
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.33	3.33

Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.24	0.24
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.78	4.78

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8.2. Mitigated

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

Equipme 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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

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	3/1/2024	4/17/2024	5.00	34.0	—
Site Preparation	Site Preparation	4/18/2024	5/1/2024	5.00	10.0	—
Grading	Grading	5/2/2024	6/4/2024	5.00	24.0	—
Building Construction	Building Construction	6/5/2024	9/29/2025	5.00	344	—
Paving	Paving	9/30/2025	10/29/2025	5.00	22.0	—
Architectural Coating	Architectural Coating	10/30/2025	11/28/2025	5.00	22.0	—

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	Tractors/Loaders/Backhoes	Diesel	Average	3.00	8.00	84.0	0.37
Demolition	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Site Preparation	Graders	Diesel	Average	1.00	8.00	148	0.41
Site Preparation	Scrapers	Diesel	Average	1.00	8.00	423	0.48

Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	1.00	7.00	84.0	0.37
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	7.00	84.0	0.37
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Building Construction	Cranes	Diesel	Average	1.00	8.00	367	0.29
Building Construction	Forklifts	Diesel	Average	2.00	7.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	1.00	6.00	84.0	0.37
Building Construction	Welders	Diesel	Average	3.00	8.00	46.0	0.45
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Paving	Pavers	Diesel	Average	1.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	1.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Paving	Cement and Mortar Mixers	Diesel	Average	1.00	8.00	10.0	0.56
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	3.00	8.00	84.0	0.37
Demolition	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Site Preparation	Graders	Diesel	Average	1.00	8.00	148	0.41

Site Preparation	Scrapers	Diesel	Average	1.00	8.00	423	0.48
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	1.00	7.00	84.0	0.37
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	7.00	84.0	0.37
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Building Construction	Cranes	Diesel	Average	1.00	8.00	367	0.29
Building Construction	Forklifts	Diesel	Average	2.00	7.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	1.00	6.00	84.0	0.37
Building Construction	Welders	Diesel	Average	3.00	8.00	46.0	0.45
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Paving	Pavers	Diesel	Average	1.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	1.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Paving	Cement and Mortar Mixers	Diesel	Average	1.00	8.00	10.0	0.56
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

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	0.00	18.5	LDA,LDT1,LDT2

Demolition	Vendor	0.00	10.2	HHDT,MHDT
Demolition	Hauling	0.00	20.0	HHDT
Demolition	Onsite truck	4.00	0.05	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	0.00	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	0.00	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	4.00	0.05	HHDT
Grading	—	—	—	—
Grading	Worker	0.00	18.5	LDA,LDT1,LDT2
Grading	Vendor	0.00	10.2	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	4.00	0.05	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	0.00	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	0.00	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	4.00	0.05	HHDT
Paving	—	—	—	—
Paving	Worker	0.00	18.5	LDA,LDT1,LDT2
Paving	Vendor	0.00	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	4.00	0.05	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	0.00	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT

Architectural Coating	Onsite truck	4.00	0.05	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	0.00	18.5	LDA,LDT1,LDT2
Demolition	Vendor	0.00	10.2	HHDT,MHDT
Demolition	Hauling	0.00	20.0	HHDT
Demolition	Onsite truck	4.00	0.05	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	0.00	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	0.00	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	4.00	0.05	HHDT
Grading	—	—	—	—
Grading	Worker	0.00	18.5	LDA,LDT1,LDT2
Grading	Vendor	0.00	10.2	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	4.00	0.05	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	0.00	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	0.00	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	4.00	0.05	HHDT
Paving	—	—	—	—
Paving	Worker	0.00	18.5	LDA,LDT1,LDT2
Paving	Vendor	0.00	10.2	HHDT,MHDT

Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	4.00	0.05	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	0.00	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	4.00	0.05	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	410,812	136,937	26,325	8,775	7,049

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	9,600	—
Site Preparation	—	95.0	15.0	0.00	—
Grading	—	46,422	24.0	0.00	—
Paving	0.00	0.00	0.00	0.00	0.00

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

Land Use	Area Paved (acres)	% Asphalt
Enclosed Parking with Elevator	0.00	100%
Fast Food Restaurant w/o Drive Thru	0.00	0%
High Turnover (Sit Down Restaurant)	0.00	0%
Quality Restaurant	0.00	0%
Recreational Swimming Pool	0.00	0%
Apartments Mid Rise	—	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2024	0.00	349	0.03	< 0.005
2025	0.00	349	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
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Fast Food Restaurant w/o Drive Thru	426	856	615	187,686	4,460	8,965	6,440	1,965,908
High Turnover (Sit Down Restaurant)	328	358	417	125,829	1,314	3,746	4,365	765,532
Quality Restaurant	1,051	1,128	902	379,816	4,138	11,820	9,447	2,187,895
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Mid Rise	946	854	710	328,174	10,517	9,493	7,899	3,648,728

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fast Food Restaurant w/o Drive Thru	332	668	480	146,399	3,479	6,993	5,023	1,533,454
High Turnover (Sit Down Restaurant)	256	279	325	98,149	1,025	2,922	3,405	597,133
Quality Restaurant	820	880	704	296,266	3,228	9,220	7,369	1,706,608
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Mid Rise	510	461	383	177,036	5,673	5,121	4,261	1,968,333

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Apartments Mid Rise	—

Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	214
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.1.2. Mitigated

Hearth Type	Unmitigated (number)
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	214
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	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)
—	—	—	—	—

5.10.3. Landscape Equipment

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

5.10.4. Landscape Equipment - Mitigated

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

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)
Enclosed Parking with Elevator	433,669	349	0.0330	0.0040	0.00
Fast Food Restaurant w/o Drive Thru	48,482	349	0.0330	0.0040	161,184
High Turnover (Sit Down Restaurant)	114,280	349	0.0330	0.0040	379,934
Quality Restaurant	445,000	349	0.0330	0.0040	1,479,441
Recreational Swimming Pool	0.00	349	0.0330	0.0040	0.00
Apartments Mid Rise	784,488	349	0.0330	0.0040	2,376,864

5.11.2. Mitigated

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)

Enclosed Parking with Elevator	433,669	349	0.0330	0.0040	0.00
Fast Food Restaurant w/o Drive Thru	48,482	349	0.0330	0.0040	161,184
High Turnover (Sit Down Restaurant)	114,280	349	0.0330	0.0040	379,934
Quality Restaurant	445,000	349	0.0330	0.0040	1,479,441
Recreational Swimming Pool	0.00	349	0.0330	0.0040	0.00
Apartments Mid Rise	784,488	349	0.0330	0.0040	2,376,864

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Enclosed Parking with Elevator	0.00	0.00
Fast Food Restaurant w/o Drive Thru	424,947	0.00
High Turnover (Sit Down Restaurant)	1,001,661	0.00
Quality Restaurant	3,900,408	0.00
Recreational Swimming Pool	59,143	0.00
Apartments Mid Rise	7,976,593	193,764

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Enclosed Parking with Elevator	0.00	0.00
Fast Food Restaurant w/o Drive Thru	424,947	0.00
High Turnover (Sit Down Restaurant)	1,001,661	0.00
Quality Restaurant	3,900,408	0.00
Recreational Swimming Pool	59,143	0.00
Apartments Mid Rise	7,976,593	193,764

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Enclosed Parking with Elevator	0.00	—
Fast Food Restaurant w/o Drive Thru	16.1	—
High Turnover (Sit Down Restaurant)	39.3	—
Quality Restaurant	11.7	—
Recreational Swimming Pool	5.70	—
Apartments Mid Rise	152	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Enclosed Parking with Elevator	0.00	—
Fast Food Restaurant w/o Drive Thru	16.1	—
High Turnover (Sit Down Restaurant)	39.3	—
Quality Restaurant	11.7	—
Recreational Swimming Pool	5.70	—
Apartments Mid Rise	152	—

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
Fast Food Restaurant w/o Drive Thru	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00

Fast Food Restaurant w/o Drive Thru	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Fast Food Restaurant w/o Drive Thru	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
High Turnover (Sit Down Restaurant)	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
High Turnover (Sit Down Restaurant)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Quality Restaurant	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Quality Restaurant	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Quality Restaurant	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Recreational Swimming Pool	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Recreational Swimming Pool	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Fast Food Restaurant w/o Drive Thru	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Fast Food Restaurant w/o Drive Thru	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0

Fast Food Restaurant w/o Drive Thru	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
High Turnover (Sit Down Restaurant)	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
High Turnover (Sit Down Restaurant)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Quality Restaurant	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Quality Restaurant	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Quality Restaurant	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Recreational Swimming Pool	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Recreational Swimming Pool	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

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

5.15.2. Mitigated

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

5.18.1.2. Mitigated

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

5.18.1.2. Mitigated

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)

5.18.2.2. Mitigated

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	25.9	annual days of extreme heat
Extreme Precipitation	9.15	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	16.9	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 (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth 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 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.

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	N/A	N/A	N/A	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	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	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	N/A	N/A	N/A	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	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A

Air Quality Degradation	N/A	N/A	N/A	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 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	84.6
AQ-PM	72.3
AQ-DPM	82.1
Drinking Water	73.7
Lead Risk Housing	39.3
Pesticides	0.00
Toxic Releases	71.1
Traffic	75.2
Effect Indicators	—
CleanUp Sites	73.4
Groundwater	14.3
Haz Waste Facilities/Generators	53.5
Impaired Water Bodies	0.00
Solid Waste	52.9

Sensitive Population	—
Asthma	12.1
Cardio-vascular	3.07
Low Birth Weights	6.13
Socioeconomic Factor Indicators	—
Education	20.9
Housing	89.6
Linguistic	91.3
Poverty	42.1
Unemployment	—

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	58.2574105
Employed	65.58449891
Median HI	53.81752855
Education	—
Bachelor's or higher	78.22404722
High school enrollment	100
Preschool enrollment	31.61811882
Transportation	—
Auto Access	95.6242782
Active commuting	57.55164892
Social	—
2-parent households	53.85602464

Voting	33.79956371
Neighborhood	—
Alcohol availability	23.49544463
Park access	81.35506224
Retail density	37.95714102
Supermarket access	44.36032337
Tree canopy	76.99217246
Housing	—
Homeownership	23.32862826
Housing habitability	26.2928269
Low-inc homeowner severe housing cost burden	7.76337739
Low-inc renter severe housing cost burden	36.2504812
Uncrowded housing	51.23829077
Health Outcomes	—
Insured adults	51.58475555
Arthritis	0.0
Asthma ER Admissions	93.8
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	89.9
Cognitively Disabled	80.8
Physically Disabled	84.3
Heart Attack ER Admissions	75.0

Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	81.6
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	92.8
Elderly	81.3
English Speaking	8.1
Foreign-born	96.0
Outdoor Workers	95.1
Climate Change Adaptive Capacity	—
Impervious Surface Cover	12.2
Traffic Density	84.2
Traffic Access	23.0
Other Indices	—
Hardship	31.9
Other Decision Support	—
2016 Voting	11.4

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	46.0
Healthy Places Index Score for Project Location (b)	57.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
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	Landscaping provided in plans
Construction: Construction Phases	Project specific information provided by Applicant
Construction: Off-Road Equipment	CalEEMod defaults, added 1 excavator
Construction: Architectural Coatings	CalEEMod Defaults, and parking area square footage added
Operations: Vehicle Data	trip rates per TIA, with reductions for internal trip capture
Operations: Hearths	no woodstoves per SCAQMD rule 445, no woodburning fireplaces, no units will have fire places
Construction: Trips and VMT	LST run

Derby Mixed Use EIR_Existing Setting 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

2.4. Operations Emissions Compared Against Thresholds

2.5. Operations Emissions by Sector, 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

4.3.2. Unmitigated

4.4. Water Emissions by Land Use

4.4.2. Unmitigated

4.5. Waste Emissions by Land Use

4.5.2. 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

5.9. 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	Derby Mixed Use EIR_Existing Setting
Operational Year	2025
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	0.50
Precipitation (days)	24.4
Location	233 E Huntington Dr, Arcadia, CA 91006, USA
County	Los Angeles-South Coast
City	Arcadia
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4923
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.12

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
Parking Lot	73.6	1000sqft	1.69	0.00	8,000	—	—	Estimate of parking lot and landscaping

Quality Restaurant	7.00	1000sqft	0.16	7,000	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

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.	2.59	2.50	2.12	22.3	0.05	0.05	1.84	1.89	0.05	0.33	0.38	7.51	5,845	5,852	1.05	0.21	30.5	5,973
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.51	2.42	2.30	20.1	0.05	0.05	1.84	1.89	0.05	0.33	0.37	7.51	5,621	5,628	1.06	0.23	11.4	5,733
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.02	2.04	1.49	12.6	0.03	0.03	0.93	0.97	0.03	0.17	0.20	7.51	3,207	3,215	0.98	0.14	15.2	3,296
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.37	0.37	0.27	2.29	< 0.005	0.01	0.17	0.18	0.01	0.03	0.04	1.24	531	532	0.16	0.02	2.52	546

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	2.51	2.26	1.90	21.9	0.05	0.03	1.84	1.87	0.03	0.33	0.36	—	5,278	5,278	0.24	0.20	19.5	5,363
Area	0.05	0.23	< 0.005	0.30	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.25	1.25	< 0.005	< 0.005	—	1.26
Energy	0.02	0.01	0.22	0.18	< 0.005	0.02	—	0.02	0.02	—	0.02	—	551	551	0.05	< 0.005	—	554
Water	—	—	—	—	—	—	—	—	—	—	—	4.07	14.4	18.5	0.42	0.01	—	31.9
Waste	—	—	—	—	—	—	—	—	—	—	—	3.44	0.00	3.44	0.34	0.00	—	12.0
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	10.9	10.9
Total	2.59	2.50	2.12	22.3	0.05	0.05	1.84	1.89	0.05	0.33	0.38	7.51	5,845	5,852	1.05	0.21	30.5	5,973
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.49	2.23	2.08	19.9	0.05	0.03	1.84	1.87	0.03	0.33	0.36	—	5,055	5,055	0.25	0.21	0.51	5,124
Area	—	0.18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.02	0.01	0.22	0.18	< 0.005	0.02	—	0.02	0.02	—	0.02	—	551	551	0.05	< 0.005	—	554
Water	—	—	—	—	—	—	—	—	—	—	—	4.07	14.4	18.5	0.42	0.01	—	31.9
Waste	—	—	—	—	—	—	—	—	—	—	—	3.44	0.00	3.44	0.34	0.00	—	12.0
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	10.9	10.9
Total	2.51	2.42	2.30	20.1	0.05	0.05	1.84	1.89	0.05	0.33	0.37	7.51	5,621	5,628	1.06	0.23	11.4	5,733
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.96	1.81	1.27	12.2	0.03	0.02	0.93	0.95	0.02	0.17	0.18	—	2,641	2,641	0.17	0.13	4.27	2,687
Area	0.04	0.21	< 0.005	0.21	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.86	0.86	< 0.005	< 0.005	—	0.86
Energy	0.02	0.01	0.22	0.18	< 0.005	0.02	—	0.02	0.02	—	0.02	—	551	551	0.05	< 0.005	—	554
Water	—	—	—	—	—	—	—	—	—	—	—	4.07	14.4	18.5	0.42	0.01	—	31.9
Waste	—	—	—	—	—	—	—	—	—	—	—	3.44	0.00	3.44	0.34	0.00	—	12.0
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	10.9	10.9
Total	2.02	2.04	1.49	12.6	0.03	0.03	0.93	0.97	0.03	0.17	0.20	7.51	3,207	3,215	0.98	0.14	15.2	3,296

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.36	0.33	0.23	2.22	< 0.005	< 0.005	0.17	0.17	< 0.005	0.03	0.03	—	437	437	0.03	0.02	0.71	445
Area	0.01	0.04	< 0.005	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.14	0.14	< 0.005	< 0.005	—	0.14
Energy	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	91.3	91.3	0.01	< 0.005	—	91.7
Water	—	—	—	—	—	—	—	—	—	—	—	0.67	2.38	3.06	0.07	< 0.005	—	5.29
Waste	—	—	—	—	—	—	—	—	—	—	—	0.57	0.00	0.57	0.06	0.00	—	1.99
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.81	1.81
Total	0.37	0.37	0.27	2.29	< 0.005	0.01	0.17	0.18	0.01	0.03	0.04	1.24	531	532	0.16	0.02	2.52	546

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.00	0.00	0.00
Quality Restaurant	2.51	2.26	1.90	21.9	0.05	0.03	1.84	1.87	0.03	0.33	0.36	—	5,278	5,278	0.24	0.20	19.5	5,363
Total	2.51	2.26	1.90	21.9	0.05	0.03	1.84	1.87	0.03	0.33	0.36	—	5,278	5,278	0.24	0.20	19.5	5,363
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.00	0.00	0.00

Quality Restaurant	2.49	2.23	2.08	19.9	0.05	0.03	1.84	1.87	0.03	0.33	0.36	—	5,055	5,055	0.25	0.21	0.51	5,124
Total	2.49	2.23	2.08	19.9	0.05	0.03	1.84	1.87	0.03	0.33	0.36	—	5,055	5,055	0.25	0.21	0.51	5,124
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.00	0.00	0.00
Quality Restaurant	0.36	0.33	0.23	2.22	< 0.005	< 0.005	0.17	0.17	< 0.005	0.03	0.03	—	437	437	0.03	0.02	0.71	445
Total	0.36	0.33	0.23	2.22	< 0.005	< 0.005	0.17	0.17	< 0.005	0.03	0.03	—	437	437	0.03	0.02	0.71	445

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	61.6	61.6	0.01	< 0.005	—	62.0
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	232	232	0.02	< 0.005	—	233
Total	—	—	—	—	—	—	—	—	—	—	—	—	293	293	0.03	< 0.005	—	295
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	61.6	61.6	0.01	< 0.005	—	62.0
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	232	232	0.02	< 0.005	—	233
Total	—	—	—	—	—	—	—	—	—	—	—	—	293	293	0.03	< 0.005	—	295

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	10.2	10.2	< 0.005	< 0.005	—	10.3
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	38.3	38.3	< 0.005	< 0.005	—	38.6
Total	—	—	—	—	—	—	—	—	—	—	—	—	48.5	48.5	< 0.005	< 0.005	—	48.8

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Quality Restaurant	0.02	0.01	0.22	0.18	< 0.005	0.02	—	0.02	0.02	—	0.02	—	258	258	0.02	< 0.005	—	259
Total	0.02	0.01	0.22	0.18	< 0.005	0.02	—	0.02	0.02	—	0.02	—	258	258	0.02	< 0.005	—	259
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Quality Restaurant	0.02	0.01	0.22	0.18	< 0.005	0.02	—	0.02	0.02	—	0.02	—	258	258	0.02	< 0.005	—	259
Total	0.02	0.01	0.22	0.18	< 0.005	0.02	—	0.02	0.02	—	0.02	—	258	258	0.02	< 0.005	—	259
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Quality Restaurant	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	42.8	42.8	< 0.005	< 0.005	—	42.9

Total	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	42.8	42.8	< 0.005	< 0.005	—	42.9

4.3. Area Emissions by Source

4.3.2. 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	—	0.16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.05	0.05	< 0.005	0.30	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.25	1.25	< 0.005	< 0.005	—	1.26
Total	0.05	0.23	< 0.005	0.30	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.25	1.25	< 0.005	< 0.005	—	1.26
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	0.16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	0.18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Consumer	—	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.01	0.01	< 0.005	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.14	0.14	< 0.005	< 0.005	—	0.14
Total	0.01	0.04	< 0.005	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.14	0.14	< 0.005	< 0.005	—	0.14

4.4. Water Emissions by Land Use

4.4.2. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.57	0.57	< 0.005	< 0.005	—	0.57
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	4.07	13.8	17.9	0.42	0.01	—	31.4
Total	—	—	—	—	—	—	—	—	—	—	—	4.07	14.4	18.5	0.42	0.01	—	31.9
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.57	0.57	< 0.005	< 0.005	—	0.57
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	4.07	13.8	17.9	0.42	0.01	—	31.4
Total	—	—	—	—	—	—	—	—	—	—	—	4.07	14.4	18.5	0.42	0.01	—	31.9

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.09	0.09	< 0.005	< 0.005	—	0.09
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	0.67	2.29	2.96	0.07	< 0.005	—	5.19
Total	—	—	—	—	—	—	—	—	—	—	—	0.67	2.38	3.06	0.07	< 0.005	—	5.29

4.5. Waste Emissions by Land Use

4.5.2. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	3.44	0.00	3.44	0.34	0.00	—	12.0
Total	—	—	—	—	—	—	—	—	—	—	—	3.44	0.00	3.44	0.34	0.00	—	12.0
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	3.44	0.00	3.44	0.34	0.00	—	12.0
Total	—	—	—	—	—	—	—	—	—	—	—	3.44	0.00	3.44	0.34	0.00	—	12.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	0.57	0.00	0.57	0.06	0.00	—	1.99
Total	—	—	—	—	—	—	—	—	—	—	—	0.57	0.00	0.57	0.06	0.00	—	1.99

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	10.9	10.9
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	10.9	10.9
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	10.9	10.9
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	10.9	10.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.81	1.81
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.81	1.81

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)

Equipme 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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Remove	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

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
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Quality Restaurant	587	630	504	212,142	2,311	6,602	5,277	1,222,021

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	10,500	3,500	4,418

5.10.3. Landscape Equipment

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

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)
Parking Lot	64,508	349	0.0330	0.0040	0.00

Quality Restaurant	242,412	349	0.0330	0.0040	805,921

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Parking Lot	0.00	112,197
Quality Restaurant	2,124,736	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Parking Lot	0.00	—
Quality Restaurant	6.39	—

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
Quality Restaurant	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Quality Restaurant	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Quality Restaurant	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

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	25.9	annual days of extreme heat
Extreme Precipitation	9.15	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	16.9	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 (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth 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 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.
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	3	0	0	N/A

Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	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	3	1	1	3
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
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	84.6
AQ-PM	72.3
AQ-DPM	82.1
Drinking Water	73.7
Lead Risk Housing	39.3
Pesticides	0.00
Toxic Releases	71.1
Traffic	75.2
Effect Indicators	—
CleanUp Sites	73.4
Groundwater	14.3
Haz Waste Facilities/Generators	53.5
Impaired Water Bodies	0.00
Solid Waste	52.9
Sensitive Population	—
Asthma	12.1
Cardio-vascular	3.07
Low Birth Weights	6.13
Socioeconomic Factor Indicators	—
Education	20.9
Housing	89.6

Linguistic	91.3
Poverty	42.1
Unemployment	—

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	58.2574105
Employed	65.58449891
Median HI	53.81752855
Education	—
Bachelor's or higher	78.22404722
High school enrollment	100
Preschool enrollment	31.61811882
Transportation	—
Auto Access	95.6242782
Active commuting	57.55164892
Social	—
2-parent households	53.85602464
Voting	33.79956371
Neighborhood	—
Alcohol availability	23.49544463
Park access	81.35506224
Retail density	37.95714102
Supermarket access	44.36032337
Tree canopy	76.99217246

Housing	—
Homeownership	23.32862826
Housing habitability	26.2928269
Low-inc homeowner severe housing cost burden	7.76337739
Low-inc renter severe housing cost burden	36.2504812
Uncrowded housing	51.23829077
Health Outcomes	—
Insured adults	51.58475555
Arthritis	0.0
Asthma ER Admissions	93.8
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	89.9
Cognitively Disabled	80.8
Physically Disabled	84.3
Heart Attack ER Admissions	75.0
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	81.6
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	92.8
Elderly	81.3
English Speaking	8.1
Foreign-born	96.0
Outdoor Workers	95.1
Climate Change Adaptive Capacity	—
Impervious Surface Cover	12.2
Traffic Density	84.2
Traffic Access	23.0
Other Indices	—
Hardship	31.9
Other Decision Support	—
2016 Voting	11.4

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	46.0
Healthy Places Index Score for Project Location (b)	57.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
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

Appendix C-2

Health Risk Assessment Outputs, prepared by Dudek

Table of Contents

Annual HRA	2
Derby HRA.ADO	102
Derby HRA.sum	296
ResidentialOutput	303
ResidentialCancerRiskSumByRec	305
ResidentialNCChronicRiskSumByRec	332

Derby Mixed Use EIR_Proposed Project_HRA 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

2.3. Construction Emissions by Year, Mitigated

2.4. Operations Emissions Compared Against Thresholds

2.5. Operations Emissions by Sector, Unmitigated

2.6. Operations Emissions by Sector, Mitigated

3. Construction Emissions Details

3.1. Demolition (2024) - Unmitigated

3.2. Demolition (2024) - Mitigated

3.3. Site Preparation (2024) - Unmitigated

3.4. Site Preparation (2024) - Mitigated

3.5. Grading (2024) - Unmitigated

3.6. Grading (2024) - Mitigated

3.7. Building Construction (2024) - Unmitigated

3.8. Building Construction (2024) - Mitigated

3.9. Building Construction (2025) - Unmitigated

3.10. Building Construction (2025) - Mitigated

3.11. Paving (2025) - Unmitigated

3.12. Paving (2025) - Mitigated

3.13. Architectural Coating (2025) - Unmitigated

3.14. Architectural Coating (2025) - Mitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.1.2. Mitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.2. Electricity Emissions By Land Use - Mitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.2.4. Natural Gas Emissions By Land Use - Mitigated

4.3. Area Emissions by Source

4.3.2. Unmitigated

4.3.1. Mitigated

4.4. Water Emissions by Land Use

4.4.2. Unmitigated

4.4.1. Mitigated

4.5. Waste Emissions by Land Use

4.5.2. Unmitigated

4.5.1. Mitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.6.2. Mitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.7.2. Mitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.8.2. Mitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.9.2. Mitigated

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

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.2.2. Mitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.3.2. Mitigated

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

5.9.2. Mitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.10.4. Landscape Equipment - Mitigated

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.11.2. Mitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.12.2. Mitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.13.2. Mitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.14.2. Mitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

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

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

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	Derby Mixed Use EIR_Proposed Project_HRA
Construction Start Date	3/1/2024
Operational Year	2025
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	0.50
Precipitation (days)	24.4
Location	34.140501873238875, -118.02369376129494
County	Los Angeles-South Coast
City	Arcadia
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4923
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.12

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

Enclosed Parking with Elevator	117	1000sqft	0.00	117,480	0.00	—	—	—
Fast Food Restaurant w/o Drive Thru	1.40	1000sqft	0.00	1,400	0.00	—	—	—
High Turnover (Sit Down Restaurant)	3.30	1000sqft	0.00	3,300	0.00	—	—	—
Quality Restaurant	12.8	1000sqft	0.00	12,850	0.00	—	—	—
Recreational Swimming Pool	1.00	1000sqft	0.00	1,000	0.00	—	—	—
Apartments Mid Rise	214	Dwelling Unit	2.23	202,870	11,304	—	608	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Transportation	T-1	Increase Residential Density
Transportation	T-3	Provide Transit-Oriented Development
Transportation	T-4	Integrate A ordable and Below Market Rate Housing

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.	2.45	1.91	20.5	19.1	0.03	0.77	3.97	4.65	0.71	1.38	2.09	—	3,236	3,236	0.29	0.13	0.50	3,281
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	2.03	66.7	16.8	16.9	0.03	0.67	3.97	4.65	0.62	0.59	1.21	—	2,693	2,693	0.16	0.05	< 0.005	2,713
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.06	4.74	8.10	8.22	0.01	0.32	0.71	1.02	0.29	0.16	0.45	—	1,481	1,481	0.08	0.03	0.04	1,491
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.19	0.86	1.48	1.50	< 0.005	0.06	0.13	0.19	0.05	0.03	0.08	—	245	245	0.01	< 0.005	0.01	247

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	2.45	1.91	20.5	19.1	0.03	0.77	3.97	4.65	0.71	1.38	2.09	—	3,236	3,236	0.29	0.13	0.50	3,281
2025	1.54	1.26	11.1	12.2	0.02	0.40	0.27	0.67	0.37	0.03	0.40	—	2,290	2,290	0.11	0.03	0.10	2,303
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	2.03	1.66	16.8	16.9	0.03	0.67	3.97	4.65	0.62	0.59	1.21	—	2,693	2,693	0.16	0.05	< 0.005	2,713
2025	1.53	66.7	11.1	12.3	0.02	0.40	0.27	0.67	0.37	0.03	0.40	—	2,291	2,291	0.11	0.03	< 0.005	2,304
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	1.06	0.87	8.10	8.22	0.01	0.32	0.71	1.02	0.29	0.16	0.45	—	1,481	1,481	0.08	0.03	0.04	1,491
2025	0.88	4.74	6.36	7.10	0.01	0.23	0.17	0.41	0.21	0.02	0.23	—	1,304	1,304	0.06	0.02	0.02	1,311
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.19	0.16	1.48	1.50	< 0.005	0.06	0.13	0.19	0.05	0.03	0.08	—	245	245	0.01	< 0.005	0.01	247
2025	0.16	0.86	1.16	1.30	< 0.005	0.04	0.03	0.07	0.04	< 0.005	0.04	—	216	216	0.01	< 0.005	< 0.005	217

2.3. Construction Emissions by Year, Mitigated

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	2.45	1.91	20.5	19.1	0.03	0.77	3.97	4.65	0.71	1.38	2.09	—	3,236	3,236	0.29	0.13	0.50	3,281
2025	1.54	1.26	11.1	12.2	0.02	0.40	0.27	0.67	0.37	0.03	0.40	—	2,290	2,290	0.11	0.03	0.10	2,303
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	2.03	1.66	16.8	16.9	0.03	0.67	3.97	4.65	0.62	0.59	1.21	—	2,693	2,693	0.16	0.05	< 0.005	2,713
2025	1.53	66.7	11.1	12.3	0.02	0.40	0.27	0.67	0.37	0.03	0.40	—	2,291	2,291	0.11	0.03	< 0.005	2,304
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	1.06	0.87	8.10	8.22	0.01	0.32	0.71	1.02	0.29	0.16	0.45	—	1,481	1,481	0.08	0.03	0.04	1,491
2025	0.88	4.74	6.36	7.10	0.01	0.23	0.17	0.41	0.21	0.02	0.23	—	1,304	1,304	0.06	0.02	0.02	1,311
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.19	0.16	1.48	1.50	< 0.005	0.06	0.13	0.19	0.05	0.03	0.08	—	245	245	0.01	< 0.005	0.01	247
2025	0.16	0.86	1.16	1.30	< 0.005	0.04	0.03	0.07	0.04	< 0.005	0.04	—	216	216	0.01	< 0.005	< 0.005	217

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.	15.8	18.9	11.5	136	0.29	0.28	9.93	10.2	0.27	1.77	2.04	147	31,802	31,948	16.3	1.17	134	32,838
Mit.	11.9	15.4	8.57	102	0.21	0.23	7.04	7.27	0.22	1.25	1.48	147	23,511	23,658	15.9	0.85	104	24,415

% Reduced	25%	18%	26%	25%	28%	19%	29%	29%	18%	29%	28%	—	26%	26%	2%	27%	23%	26%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	13.4	16.7	12.4	108	0.27	0.27	9.93	10.2	0.26	1.77	2.03	147	30,540	30,686	16.4	1.22	31.6	31,491
Mit.	9.57	13.2	9.10	76.8	0.20	0.22	7.04	7.26	0.21	1.25	1.46	147	22,600	22,747	16.0	0.89	30.8	23,443
% Reduced	29%	21%	26%	29%	28%	19%	29%	29%	19%	29%	28%	—	26%	26%	2%	27%	3%	26%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	11.9	15.5	9.18	89.7	0.19	0.22	6.54	6.76	0.21	1.16	1.38	147	21,567	21,713	16.0	0.88	58.9	22,434
Mit.	8.80	12.7	6.68	65.5	0.13	0.18	4.43	4.61	0.18	0.79	0.97	147	15,683	15,830	15.7	0.63	49.2	16,459
% Reduced	26%	18%	27%	27%	31%	18%	32%	32%	17%	32%	30%	—	27%	27%	2%	29%	16%	27%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.18	2.83	1.67	16.4	0.03	0.04	1.19	1.23	0.04	0.21	0.25	24.3	3,571	3,595	2.65	0.15	9.74	3,714
Mit.	1.61	2.32	1.22	11.9	0.02	0.03	0.81	0.84	0.03	0.14	0.18	24.3	2,597	2,621	2.60	0.10	8.14	2,725
% Reduced	26%	18%	27%	27%	31%	18%	32%	32%	17%	32%	30%	—	27%	27%	2%	29%	16%	27%

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	13.4	12.0	10.2	118	0.28	0.18	9.93	10.1	0.17	1.77	1.94	—	28,504	28,504	1.29	1.08	105	28,963
Area	2.20	6.78	0.17	18.0	< 0.005	0.01	—	0.01	0.02	—	0.02	0.00	56.8	56.8	< 0.005	< 0.005	—	57.0

Energy	0.13	0.06	1.14	0.71	0.01	0.09	—	0.09	0.09	—	0.09	—	3,153	3,153	0.29	0.02	—	3,167
Water	—	—	—	—	—	—	—	—	—	—	—	25.6	87.9	113	2.63	0.06	—	198
Waste	—	—	—	—	—	—	—	—	—	—	—	121	0.00	121	12.1	0.00	—	424
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	28.9	28.9
Total	15.8	18.9	11.5	136	0.29	0.28	9.93	10.2	0.27	1.77	2.04	147	31,802	31,948	16.3	1.17	134	32,838
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	13.3	11.9	11.2	107	0.27	0.18	9.93	10.1	0.17	1.77	1.94	—	27,298	27,298	1.34	1.14	2.73	27,673
Area	0.00	4.72	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.13	0.06	1.14	0.71	0.01	0.09	—	0.09	0.09	—	0.09	—	3,153	3,153	0.29	0.02	—	3,167
Water	—	—	—	—	—	—	—	—	—	—	—	25.6	87.9	113	2.63	0.06	—	198
Waste	—	—	—	—	—	—	—	—	—	—	—	121	0.00	121	12.1	0.00	—	424
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	28.9	28.9
Total	13.4	16.7	12.4	108	0.27	0.27	9.93	10.2	0.26	1.77	2.03	147	30,540	30,686	16.4	1.22	31.6	31,491
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	10.3	9.33	7.92	76.6	0.18	0.12	6.54	6.66	0.11	1.16	1.28	—	18,286	18,286	0.97	0.79	30.0	18,577
Area	1.51	6.13	0.12	12.3	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	38.9	38.9	< 0.005	< 0.005	—	39.0
Energy	0.13	0.06	1.14	0.71	0.01	0.09	—	0.09	0.09	—	0.09	—	3,153	3,153	0.29	0.02	—	3,167
Water	—	—	—	—	—	—	—	—	—	—	—	25.6	87.9	113	2.63	0.06	—	198
Waste	—	—	—	—	—	—	—	—	—	—	—	121	0.00	121	12.1	0.00	—	424
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	28.9	28.9
Total	11.9	15.5	9.18	89.7	0.19	0.22	6.54	6.76	0.21	1.16	1.38	147	21,567	21,713	16.0	0.88	58.9	22,434
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.88	1.70	1.45	14.0	0.03	0.02	1.19	1.21	0.02	0.21	0.23	—	3,028	3,028	0.16	0.13	4.96	3,076
Area	0.28	1.12	0.02	2.25	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	6.44	6.44	< 0.005	< 0.005	—	6.46
Energy	0.02	0.01	0.21	0.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	522	522	0.05	< 0.005	—	524
Water	—	—	—	—	—	—	—	—	—	—	—	4.24	14.5	18.8	0.44	0.01	—	32.8

Waste	—	—	—	—	—	—	—	—	—	—	—	20.1	0.00	20.1	2.00	0.00	—	70.2
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.78	4.78
Total	2.18	2.83	1.67	16.4	0.03	0.04	1.19	1.23	0.04	0.21	0.25	24.3	3,571	3,595	2.65	0.15	9.74	3,714

2.6. Operations Emissions by Sector, Mitigated

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	9.55	8.57	7.26	83.6	0.20	0.13	7.04	7.17	0.12	1.25	1.37	—	20,213	20,213	0.92	0.77	74.8	20,539
Area	2.20	6.78	0.17	18.0	< 0.005	0.01	—	0.01	0.02	—	0.02	0.00	56.8	56.8	< 0.005	< 0.005	—	57.0
Energy	0.13	0.06	1.14	0.71	0.01	0.09	—	0.09	0.09	—	0.09	—	3,153	3,153	0.29	0.02	—	3,167
Water	—	—	—	—	—	—	—	—	—	—	—	25.6	87.9	113	2.63	0.06	—	198
Waste	—	—	—	—	—	—	—	—	—	—	—	121	0.00	121	12.1	0.00	—	424
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	28.9	28.9
Total	11.9	15.4	8.57	102	0.21	0.23	7.04	7.27	0.22	1.25	1.48	147	23,511	23,658	15.9	0.85	104	24,415
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	9.44	8.45	7.96	76.1	0.19	0.13	7.04	7.17	0.12	1.25	1.37	—	19,359	19,359	0.95	0.81	1.94	19,625
Area	0.00	4.72	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.13	0.06	1.14	0.71	0.01	0.09	—	0.09	0.09	—	0.09	—	3,153	3,153	0.29	0.02	—	3,167
Water	—	—	—	—	—	—	—	—	—	—	—	25.6	87.9	113	2.63	0.06	—	198
Waste	—	—	—	—	—	—	—	—	—	—	—	121	0.00	121	12.1	0.00	—	424
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	28.9	28.9
Total	9.57	13.2	9.10	76.8	0.20	0.22	7.04	7.26	0.21	1.25	1.46	147	22,600	22,747	16.0	0.89	30.8	23,443
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Mobile	7.17	6.51	5.42	52.4	0.12	0.08	4.43	4.51	0.08	0.79	0.87	—	12,403	12,403	0.67	0.54	20.3	12,602
Area	1.51	6.13	0.12	12.3	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	38.9	38.9	< 0.005	< 0.005	—	39.0
Energy	0.13	0.06	1.14	0.71	0.01	0.09	—	0.09	0.09	—	0.09	—	3,153	3,153	0.29	0.02	—	3,167
Water	—	—	—	—	—	—	—	—	—	—	—	25.6	87.9	113	2.63	0.06	—	198
Waste	—	—	—	—	—	—	—	—	—	—	—	121	0.00	121	12.1	0.00	—	424
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	28.9	28.9
Total	8.80	12.7	6.68	65.5	0.13	0.18	4.43	4.61	0.18	0.79	0.97	147	15,683	15,830	15.7	0.63	49.2	16,459
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.31	1.19	0.99	9.56	0.02	0.02	0.81	0.82	0.01	0.14	0.16	—	2,053	2,053	0.11	0.09	3.36	2,086
Area	0.28	1.12	0.02	2.25	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	6.44	6.44	< 0.005	< 0.005	—	6.46
Energy	0.02	0.01	0.21	0.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	522	522	0.05	< 0.005	—	524
Water	—	—	—	—	—	—	—	—	—	—	—	4.24	14.5	18.8	0.44	0.01	—	32.8
Waste	—	—	—	—	—	—	—	—	—	—	—	20.1	0.00	20.1	2.00	0.00	—	70.2
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.78	4.78
Total	1.61	2.32	1.22	11.9	0.02	0.03	0.81	0.84	0.03	0.14	0.18	24.3	2,597	2,621	2.60	0.10	8.14	2,725

3. Construction Emissions Details

3.1. Demolition (2024) - 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	1.92	1.61	15.6	16.0	0.02	0.67	—	0.67	0.62	—	0.62	—	2,494	2,494	0.10	0.02	—	2,502
Demolition	—	—	—	—	—	—	3.70	3.70	—	0.56	0.56	—	—	—	—	—	—	—

Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	—	7.55	7.55	< 0.005	< 0.005	< 0.005	8.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.92	1.61	15.6	16.0	0.02	0.67	—	0.67	0.62	—	0.62	—	2,494	2,494	0.10	0.02	—	2,502
Demolition	—	—	—	—	—	—	3.70	3.70	—	0.56	0.56	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	—	7.66	7.66	< 0.005	< 0.005	< 0.005	8.10
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18	0.15	1.45	1.49	< 0.005	0.06	—	0.06	0.06	—	0.06	—	232	232	0.01	< 0.005	—	233
Demolition	—	—	—	—	—	—	0.34	0.34	—	0.05	0.05	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	0.71	0.71	< 0.005	< 0.005	< 0.005	0.75
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.26	0.27	< 0.005	0.01	—	0.01	0.01	—	0.01	—	38.5	38.5	< 0.005	< 0.005	—	38.6
Demolition	—	—	—	—	—	—	0.06	0.06	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	< 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	0.12
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.35	7.35	< 0.005	< 0.005	0.01	7.74
Hauling	0.10	0.05	1.06	0.77	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	183	183	0.05	0.03	0.14	193

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.41	7.41	< 0.005	< 0.005	< 0.005	7.79
Hauling	0.10	0.04	1.11	0.79	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	184	184	0.05	0.03	< 0.005	195
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.69	0.69	< 0.005	< 0.005	< 0.005	0.72
Hauling	0.01	< 0.005	0.10	0.07	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	17.1	17.1	< 0.005	< 0.005	0.01	18.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.11	0.11	< 0.005	< 0.005	< 0.005	0.12
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.83	2.83	< 0.005	< 0.005	< 0.005	2.99

3.2. Demolition (2024) - Mitigated

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	1.92	1.61	15.6	16.0	0.02	0.67	—	0.67	0.62	—	0.62	—	2,494	2,494	0.10	0.02	—	2,502
Demolition	—	—	—	—	—	—	3.70	3.70	—	0.56	0.56	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	—	7.55	7.55	< 0.005	< 0.005	< 0.005	8.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.92	1.61	15.6	16.0	0.02	0.67	—	0.67	0.62	—	0.62	—	2,494	2,494	0.10	0.02	—	2,502
Demolition	—	—	—	—	—	—	3.70	3.70	—	0.56	0.56	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	—	7.66	7.66	< 0.005	< 0.005	< 0.005	8.10
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18	0.15	1.45	1.49	< 0.005	0.06	—	0.06	0.06	—	0.06	—	232	232	0.01	< 0.005	—	233
Demolition	—	—	—	—	—	—	0.34	0.34	—	0.05	0.05	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	0.71	0.71	< 0.005	< 0.005	< 0.005	0.75
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.26	0.27	< 0.005	0.01	—	0.01	0.01	—	0.01	—	38.5	38.5	< 0.005	< 0.005	—	38.6
Demolition	—	—	—	—	—	—	0.06	0.06	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	< 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	0.12
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.35	7.35	< 0.005	< 0.005	0.01	7.74
Hauling	0.10	0.05	1.06	0.77	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	183	183	0.05	0.03	0.14	193

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.41	7.41	< 0.005	< 0.005	< 0.005	7.79
Hauling	0.10	0.04	1.11	0.79	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	184	184	0.05	0.03	< 0.005	195
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.69	0.69	< 0.005	< 0.005	< 0.005	0.72
Hauling	0.01	< 0.005	0.10	0.07	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	17.1	17.1	< 0.005	< 0.005	0.01	18.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.11	0.11	< 0.005	< 0.005	< 0.005	0.12
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.83	2.83	< 0.005	< 0.005	< 0.005	2.99

3.3. Site Preparation (2024) - 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	1.56	1.31	12.7	11.4	0.03	0.55	—	0.55	0.51	—	0.51	—	2,716	2,716	0.11	0.02	—	2,725
Dust From Material Movement	—	—	—	—	—	—	0.62	0.62	—	0.07	0.07	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	—	7.55	7.55	< 0.005	< 0.005	< 0.005	8.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.35	0.31	< 0.005	0.02	—	0.02	0.01	—	0.01	—	74.4	74.4	< 0.005	< 0.005	—	74.7
Dust From Material Movement	—	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	0.21	0.21	< 0.005	< 0.005	< 0.005	0.22
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	12.3	12.3	< 0.005	< 0.005	—	12.4
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.03	0.03	< 0.005	< 0.005	< 0.005	0.04
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.35	7.35	< 0.005	< 0.005	0.01	7.74
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.10	3.10	< 0.005	< 0.005	< 0.005	3.28
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.20	0.20	< 0.005	< 0.005	< 0.005	0.21
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.09	0.09	< 0.005	< 0.005	< 0.005	0.09
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.03	0.03	< 0.005	< 0.005	< 0.005	0.04
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.01	0.01	< 0.005	< 0.005	< 0.005	0.01

3.4. Site Preparation (2024) - Mitigated

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	1.56	1.31	12.7	11.4	0.03	0.55	—	0.55	0.51	—	0.51	—	2,716	2,716	0.11	0.02	—	2,725
Dust From Material Movement	—	—	—	—	—	—	0.62	0.62	—	0.07	0.07	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	—	7.55	7.55	< 0.005	< 0.005	< 0.005	8.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.35	0.31	< 0.005	0.02	—	0.02	0.01	—	0.01	—	74.4	74.4	< 0.005	< 0.005	—	74.7

Dust From Material Movement	—	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	0.21	0.21	< 0.005	< 0.005	< 0.005	0.22
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	12.3	12.3	< 0.005	< 0.005	—	12.4
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.03	0.03	< 0.005	< 0.005	< 0.005	0.04
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.35	7.35	< 0.005	< 0.005	0.01	7.74
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.10	3.10	< 0.005	< 0.005	< 0.005	3.28
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.20	0.20	< 0.005	< 0.005	< 0.005	0.21
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.09	0.09	< 0.005	< 0.005	< 0.005	0.09
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.03	0.03	< 0.005	< 0.005	< 0.005	0.04

Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.01	0.01	< 0.005	< 0.005	< 0.005	0.01

3.5. Grading (2024) - 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	2.08	1.75	16.7	16.4	0.02	0.77	—	0.77	0.71	—	0.71	—	2,595	2,595	0.11	0.02	—	2,604
Dust From Material Movement	—	—	—	—	—	—	2.77	2.77	—	1.34	1.34	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	—	7.55	7.55	< 0.005	< 0.005	< 0.005	8.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	1.10	1.08	< 0.005	0.05	—	0.05	0.05	—	0.05	—	171	171	0.01	< 0.005	—	171
Dust From Material Movement	—	—	—	—	—	—	0.18	0.18	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	0.50	0.50	< 0.005	< 0.005	< 0.005	0.53
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.20	0.20	< 0.005	0.01	—	0.01	0.01	—	0.01	—	28.3	28.3	< 0.005	< 0.005	—	28.4

Dust From Material Movement	—	—	—	—	—	—	0.03	0.03	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.08	0.08	< 0.005	< 0.005	< 0.005	0.09
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.35	7.35	< 0.005	< 0.005	0.01	7.74
Hauling	0.35	0.16	3.65	2.63	0.01	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	625	625	0.18	0.10	0.49	661
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.49	0.49	< 0.005	< 0.005	< 0.005	0.51
Hauling	0.02	0.01	0.25	0.17	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	41.3	41.3	0.01	0.01	0.01	43.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.08	0.08	< 0.005	< 0.005	< 0.005	0.08
Hauling	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.84	6.84	< 0.005	< 0.005	< 0.005	7.22

3.6. Grading (2024) - Mitigated

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	2.08	1.75	16.7	16.4	0.02	0.77	—	0.77	0.71	—	0.71	—	2,595	2,595	0.11	0.02	—	2,604
Dust From Material Movement	—	—	—	—	—	—	2.77	2.77	—	1.34	1.34	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	—	7.55	7.55	< 0.005	< 0.005	< 0.005	8.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	1.10	1.08	< 0.005	0.05	—	0.05	0.05	—	0.05	—	171	171	0.01	< 0.005	—	171
Dust From Material Movement	—	—	—	—	—	—	0.18	0.18	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	0.50	0.50	< 0.005	< 0.005	< 0.005	0.53
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.20	0.20	< 0.005	0.01	—	0.01	0.01	—	0.01	—	28.3	28.3	< 0.005	< 0.005	—	28.4
Dust From Material Movement	—	—	—	—	—	—	0.03	0.03	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.08	0.08	< 0.005	< 0.005	< 0.005	0.09
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.35	7.35	< 0.005	< 0.005	0.01	7.74
Hauling	0.35	0.16	3.65	2.63	0.01	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	625	625	0.18	0.10	0.49	661
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.49	0.49	< 0.005	< 0.005	< 0.005	0.51
Hauling	0.02	0.01	0.25	0.17	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	41.3	41.3	0.01	0.01	0.01	43.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.08	0.08	< 0.005	< 0.005	< 0.005	0.08
Hauling	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.84	6.84	< 0.005	< 0.005	< 0.005	7.22

3.7. Building Construction (2024) - 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	1.58	1.32	11.2	11.9	0.02	0.46	—	0.46	0.42	—	0.42	—	2,201	2,201	0.09	0.02	—	2,209
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	—	7.55	7.55	< 0.005	< 0.005	< 0.005	8.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.58	1.32	11.2	11.9	0.02	0.46	—	0.46	0.42	—	0.42	—	2,201	2,201	0.09	0.02	—	2,209
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	—	7.66	7.66	< 0.005	< 0.005	< 0.005	8.10
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.65	0.54	4.62	4.91	0.01	0.19	—	0.19	0.17	—	0.17	—	905	905	0.04	0.01	—	908
Onsite truck	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.11	0.11	< 0.005	0.01	0.01	—	3.12	3.12	< 0.005	< 0.005	< 0.005	3.31
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.84	0.90	< 0.005	0.03	—	0.03	0.03	—	0.03	—	150	150	0.01	< 0.005	—	150
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	0.52	0.52	< 0.005	< 0.005	< 0.005	0.55
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.05	0.02	0.47	0.36	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	83.0	83.0	0.02	0.01	0.10	87.4
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.04	0.02	0.49	0.38	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	83.7	83.7	0.02	0.01	< 0.005	88.0
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.02	0.01	0.20	0.15	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	34.2	34.2	0.01	0.01	0.02	36.0
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.67	5.67	< 0.005	< 0.005	< 0.005	5.96
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

3.8. Building Construction (2024) - Mitigated

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	1.58	1.32	11.2	11.9	0.02	0.46	—	0.46	0.42	—	0.42	—	2,201	2,201	0.09	0.02	—	2,209
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	—	7.55	7.55	< 0.005	< 0.005	< 0.005	8.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.58	1.32	11.2	11.9	0.02	0.46	—	0.46	0.42	—	0.42	—	2,201	2,201	0.09	0.02	—	2,209
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	—	7.66	7.66	< 0.005	< 0.005	< 0.005	8.10
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.65	0.54	4.62	4.91	0.01	0.19	—	0.19	0.17	—	0.17	—	905	905	0.04	0.01	—	908

Onsite truck	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.11	0.11	< 0.005	0.01	0.01	—	3.12	3.12	< 0.005	< 0.005	< 0.005	3.31
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.84	0.90	< 0.005	0.03	—	0.03	0.03	—	0.03	—	150	150	0.01	< 0.005	—	150
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	0.52	0.52	< 0.005	< 0.005	< 0.005	0.55
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.05	0.02	0.47	0.36	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	83.0	83.0	0.02	0.01	0.10	87.4
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.04	0.02	0.49	0.38	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	83.7	83.7	0.02	0.01	< 0.005	88.0
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.02	0.01	0.20	0.15	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	34.2	34.2	0.01	0.01	0.02	36.0
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.67	5.67	< 0.005	< 0.005	< 0.005	5.96
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 (2025) - 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	1.49	1.24	10.6	11.9	0.02	0.40	—	0.40	0.37	—	0.37	—	2,201	2,201	0.09	0.02	—	2,209
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	—	7.43	7.43	< 0.005	< 0.005	< 0.005	7.87
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.49	1.24	10.6	11.9	0.02	0.40	—	0.40	0.37	—	0.37	—	2,201	2,201	0.09	0.02	—	2,209
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	—	7.54	7.54	< 0.005	< 0.005	< 0.005	7.98
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.79	0.66	5.64	6.31	0.01	0.22	—	0.22	0.20	—	0.20	—	1,172	1,172	0.05	0.01	—	1,176
Onsite truck	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	0.14	0.14	< 0.005	0.01	0.01	—	3.98	3.98	< 0.005	< 0.005	< 0.005	4.21
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	1.03	1.15	< 0.005	0.04	—	0.04	0.04	—	0.04	—	194	194	0.01	< 0.005	—	195
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	< 0.005	—	0.66	0.66	< 0.005	< 0.005	< 0.005	0.70
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.04	0.02	0.46	0.35	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	81.8	81.8	0.02	0.01	0.10	86.1
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.04	0.02	0.48	0.37	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	82.4	82.4	0.02	0.01	< 0.005	86.7
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.02	0.01	0.25	0.19	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	43.7	43.7	0.01	0.01	0.02	46.0
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.05	0.04	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.23	7.23	< 0.005	< 0.005	< 0.005	7.61
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

3.10. Building Construction (2025) - Mitigated

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	1.49	1.24	10.6	11.9	0.02	0.40	—	0.40	0.37	—	0.37	—	2,201	2,201	0.09	0.02	—	2,209
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	—	7.43	7.43	< 0.005	< 0.005	< 0.005	7.87
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.49	1.24	10.6	11.9	0.02	0.40	—	0.40	0.37	—	0.37	—	2,201	2,201	0.09	0.02	—	2,209
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	—	7.54	7.54	< 0.005	< 0.005	< 0.005	7.98
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.79	0.66	5.64	6.31	0.01	0.22	—	0.22	0.20	—	0.20	—	1,172	1,172	0.05	0.01	—	1,176
Onsite truck	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	0.14	0.14	< 0.005	0.01	0.01	—	3.98	3.98	< 0.005	< 0.005	< 0.005	4.21
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	1.03	1.15	< 0.005	0.04	—	0.04	0.04	—	0.04	—	194	194	0.01	< 0.005	—	195
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	< 0.005	—	0.66	0.66	< 0.005	< 0.005	< 0.005	0.70
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.04	0.02	0.46	0.35	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	81.8	81.8	0.02	0.01	0.10	86.1
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Vendor	0.04	0.02	0.48	0.37	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	82.4	82.4	0.02	0.01	< 0.005	86.7
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.02	0.01	0.25	0.19	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	43.7	43.7	0.01	0.01	0.02	46.0
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.05	0.04	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.23	7.23	< 0.005	< 0.005	< 0.005	7.61
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 (2025) - 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	0.83	0.70	6.13	8.21	0.01	0.27	—	0.27	0.25	—	0.25	—	1,244	1,244	0.05	0.01	—	1,248
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	—	7.43	7.43	< 0.005	< 0.005	< 0.005	7.87
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.70	6.13	8.21	0.01	0.27	—	0.27	0.25	—	0.25	—	1,244	1,244	0.05	0.01	—	1,248
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	—	7.54	7.54	< 0.005	< 0.005	< 0.005	7.98
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.37	0.50	< 0.005	0.02	—	0.02	0.02	—	0.02	—	75.0	75.0	< 0.005	< 0.005	—	75.2
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	0.45	0.45	< 0.005	< 0.005	< 0.005	0.48
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	12.4	12.4	< 0.005	< 0.005	—	12.5
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.07	0.07	< 0.005	< 0.005	< 0.005	0.08
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.24	7.24	< 0.005	< 0.005	0.01	7.63
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.30	7.30	< 0.005	< 0.005	< 0.005	7.68
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.44	0.44	< 0.005	< 0.005	< 0.005	0.46

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.07	0.07	< 0.005	< 0.005	< 0.005	0.08
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

3.12. Paving (2025) - Mitigated

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	0.83	0.70	6.13	8.21	0.01	0.27	—	0.27	0.25	—	0.25	—	1,244	1,244	0.05	0.01	—	1,248
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	—	7.43	7.43	< 0.005	< 0.005	< 0.005	7.87
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.70	6.13	8.21	0.01	0.27	—	0.27	0.25	—	0.25	—	1,244	1,244	0.05	0.01	—	1,248
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	—	7.54	7.54	< 0.005	< 0.005	< 0.005	7.98
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.37	0.50	< 0.005	0.02	—	0.02	0.02	—	0.02	—	75.0	75.0	< 0.005	< 0.005	—	75.2
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	0.45	0.45	< 0.005	< 0.005	< 0.005	0.48
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	12.4	12.4	< 0.005	< 0.005	—	12.5
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.07	0.07	< 0.005	< 0.005	< 0.005	0.08
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.24	7.24	< 0.005	< 0.005	0.01	7.63
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.30	7.30	< 0.005	< 0.005	< 0.005	7.68
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.44	0.44	< 0.005	< 0.005	< 0.005	0.46
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.07	0.07	< 0.005	< 0.005	< 0.005	0.08
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 (2025) - 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	0.15	0.13	0.88	1.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	66.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	—	7.54	7.54	< 0.005	< 0.005	< 0.005	7.98
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.05	8.05	< 0.005	< 0.005	—	8.08
Architectural Coatings	—	4.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	0.45	0.45	< 0.005	< 0.005	< 0.005	0.48
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.33	1.33	< 0.005	< 0.005	—	1.34
Architectural Coatings	—	0.73	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.07	0.07	< 0.005	< 0.005	< 0.005	0.08
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.30	7.30	< 0.005	< 0.005	< 0.005	7.68
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.44	0.44	< 0.005	< 0.005	< 0.005	0.46
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.07	0.07	< 0.005	< 0.005	< 0.005	0.08
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

3.14. Architectural Coating (2025) - Mitigated

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	0.15	0.13	0.88	1.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	66.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	—	7.54	7.54	< 0.005	< 0.005	< 0.005	7.98
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.05	8.05	< 0.005	< 0.005	—	8.08
Architectural Coatings	—	4.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	0.45	0.45	< 0.005	< 0.005	< 0.005	0.48
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.33	1.33	< 0.005	< 0.005	—	1.34
Architectural Coatings	—	0.73	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.07	0.07	< 0.005	< 0.005	< 0.005	0.08
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Vendor	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.30	7.30	< 0.005	< 0.005	< 0.005	7.68
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.44	0.44	< 0.005	< 0.005	< 0.005	0.46
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.07	0.07	< 0.005	< 0.005	< 0.005	0.08
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Fast Food Restaurant w/o Drive Thru	3.41	3.07	2.58	29.7	0.07	0.05	2.50	2.54	0.04	0.44	0.49	—	7,167	7,167	0.33	0.27	26.5	7,283

High Turnover (Sit Down Restaurant)	1.66	1.49	1.26	14.5	0.03	0.02	1.22	1.24	0.02	0.22	0.24	—	3,490	3,490	0.16	0.13	12.9	3,546
Quality Restaurant	4.50	4.04	3.40	39.1	0.09	0.06	3.29	3.35	0.06	0.59	0.64	—	9,450	9,450	0.43	0.36	34.9	9,602
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Mid Rise	3.84	3.44	2.99	34.5	0.08	0.05	2.93	2.98	0.05	0.52	0.57	—	8,397	8,397	0.37	0.32	31.1	8,532
Total	13.4	12.0	10.2	118	0.28	0.18	9.93	10.1	0.17	1.77	1.94	—	28,504	28,504	1.29	1.08	105	28,963
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Fast Food Restaurant w/o Drive Thru	3.38	3.02	2.83	27.0	0.07	0.05	2.50	2.54	0.04	0.44	0.49	—	6,864	6,864	0.34	0.29	0.69	6,958
High Turnover (Sit Down Restaurant)	1.64	1.47	1.38	13.2	0.03	0.02	1.22	1.24	0.02	0.22	0.24	—	3,342	3,342	0.16	0.14	0.33	3,388
Quality Restaurant	4.45	3.99	3.73	35.6	0.09	0.06	3.29	3.35	0.06	0.59	0.64	—	9,050	9,050	0.45	0.38	0.91	9,175
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Apartme Mid Rise	3.80	3.39	3.27	31.3	0.08	0.05	2.93	2.98	0.05	0.52	0.57	—	8,042	8,042	0.39	0.33	0.81	8,151
Total	13.3	11.9	11.2	107	0.27	0.18	9.93	10.1	0.17	1.77	1.94	—	27,298	27,298	1.34	1.14	2.73	27,673
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Fast Food Restaurant w/o Drive Thru	0.37	0.33	0.31	3.05	0.01	< 0.005	0.27	0.28	< 0.005	0.05	0.05	—	691	691	0.03	0.03	1.14	701
High Turnover (Sit Down Restaurant)	0.21	0.20	0.14	1.37	< 0.005	< 0.005	0.11	0.11	< 0.005	0.02	0.02	—	273	273	0.02	0.01	0.44	278
Quality Restaurant	0.64	0.59	0.41	3.98	0.01	0.01	0.30	0.31	0.01	0.05	0.06	—	783	783	0.05	0.04	1.27	796
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Mid Rise	0.66	0.58	0.57	5.59	0.01	0.01	0.51	0.52	0.01	0.09	0.10	—	1,281	1,281	0.06	0.05	2.11	1,300
Total	1.88	1.70	1.45	14.0	0.03	0.02	1.19	1.21	0.02	0.21	0.23	—	3,028	3,028	0.16	0.13	4.96	3,076

4.1.2. Mitigated

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Fast Food Restaurant w/o Drive Thru	2.66	2.39	2.01	23.2	0.05	0.04	1.95	1.98	0.03	0.35	0.38	—	5,590	5,590	0.25	0.21	20.7	5,681
High Turnover (Sit Down Restaurant)	1.30	1.17	0.98	11.3	0.03	0.02	0.95	0.97	0.02	0.17	0.18	—	2,722	2,722	0.12	0.10	10.1	2,766
Quality Restaurant	3.51	3.16	2.65	30.5	0.07	0.05	2.57	2.61	0.04	0.46	0.50	—	7,371	7,371	0.34	0.28	27.3	7,490
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Mid Rise	2.07	1.86	1.61	18.6	0.04	0.03	1.58	1.61	0.03	0.28	0.31	—	4,530	4,530	0.20	0.17	16.8	4,602
Total	9.55	8.57	7.26	83.6	0.20	0.13	7.04	7.17	0.12	1.25	1.37	—	20,213	20,213	0.92	0.77	74.8	20,539
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Fast Food Restaurant w/o Drive Thru	2.63	2.36	2.21	21.1	0.05	0.04	1.95	1.98	0.03	0.35	0.38	—	5,354	5,354	0.26	0.22	0.54	5,428
High Turnover (Sit Down Restaurant)	1.28	1.15	1.07	10.3	0.03	0.02	0.95	0.97	0.02	0.17	0.18	—	2,607	2,607	0.13	0.11	0.26	2,643
Quality Restaurant	3.47	3.11	2.91	27.8	0.07	0.05	2.57	2.61	0.04	0.46	0.50	—	7,060	7,060	0.35	0.29	0.71	7,157
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Mid Rise	2.05	1.83	1.77	16.9	0.04	0.03	1.58	1.61	0.03	0.28	0.31	—	4,338	4,338	0.21	0.18	0.43	4,397
Total	9.44	8.45	7.96	76.1	0.19	0.13	7.04	7.17	0.12	1.25	1.37	—	19,359	19,359	0.95	0.81	1.94	19,625
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Fast Food Restaurant w/o Drive Thru	0.29	0.26	0.24	2.38	0.01	< 0.005	0.21	0.22	< 0.005	0.04	0.04	—	539	539	0.03	0.02	0.89	547
High Turnover (Sit Down Restaurant)	0.17	0.15	0.11	1.07	< 0.005	< 0.005	0.08	0.08	< 0.005	0.01	0.02	—	213	213	0.01	0.01	0.35	217
Quality Restaurant	0.50	0.46	0.32	3.10	0.01	< 0.005	0.24	0.24	< 0.005	0.04	0.05	—	611	611	0.04	0.03	0.99	621

Recreational	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Mid Rise	0.35	0.32	0.31	3.02	0.01	< 0.005	0.27	0.28	< 0.005	0.05	0.05	—	691	691	0.03	0.03	1.14	701
Total	1.31	1.19	0.99	9.56	0.02	0.02	0.81	0.82	0.01	0.14	0.16	—	2,053	2,053	0.11	0.09	3.36	2,086

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	414	414	0.04	< 0.005	—	417
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	46.3	46.3	< 0.005	< 0.005	—	46.6
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	109	109	0.01	< 0.005	—	110
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	425	425	0.04	< 0.005	—	428

Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	749	749	0.07	0.01	—	754
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,744	1,744	0.17	0.02	—	1,754
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	414	414	0.04	< 0.005	—	417
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	46.3	46.3	< 0.005	< 0.005	—	46.6
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	109	109	0.01	< 0.005	—	110
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	425	425	0.04	< 0.005	—	428
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	749	749	0.07	0.01	—	754
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,744	1,744	0.17	0.02	—	1,754
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	68.6	68.6	0.01	< 0.005	—	69.0
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	7.67	7.67	< 0.005	< 0.005	—	7.71
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	18.1	18.1	< 0.005	< 0.005	—	18.2
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	70.4	70.4	0.01	< 0.005	—	70.8
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	124	124	0.01	< 0.005	—	125
Total	—	—	—	—	—	—	—	—	—	—	—	—	289	289	0.03	< 0.005	—	290

4.2.2. Electricity Emissions By Land Use - Mitigated

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	414	414	0.04	< 0.005	—	417

Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	46.3	46.3	< 0.005	< 0.005	—	46.6
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	109	109	0.01	< 0.005	—	110
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	425	425	0.04	< 0.005	—	428
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	749	749	0.07	0.01	—	754
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,744	1,744	0.17	0.02	—	1,754
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	414	414	0.04	< 0.005	—	417
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	46.3	46.3	< 0.005	< 0.005	—	46.6
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	109	109	0.01	< 0.005	—	110
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	425	425	0.04	< 0.005	—	428

Recreati Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	749	749	0.07	0.01	—	754
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,744	1,744	0.17	0.02	—	1,754
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	68.6	68.6	0.01	< 0.005	—	69.0
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	7.67	7.67	< 0.005	< 0.005	—	7.71
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	18.1	18.1	< 0.005	< 0.005	—	18.2
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	70.4	70.4	0.01	< 0.005	—	70.8
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	124	124	0.01	< 0.005	—	125
Total	—	—	—	—	—	—	—	—	—	—	—	—	289	289	0.03	< 0.005	—	290

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	51.7	51.7	< 0.005	< 0.005	—	51.8
High Turnover (Sit Down Restaurant)	0.01	0.01	0.10	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	122	122	0.01	< 0.005	—	122
Quality Restaurant	0.04	0.02	0.40	0.33	< 0.005	0.03	—	0.03	0.03	—	0.03	—	474	474	0.04	< 0.005	—	475
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	0.07	0.04	0.60	0.26	< 0.005	0.05	—	0.05	0.05	—	0.05	—	762	762	0.07	< 0.005	—	764
Total	0.13	0.06	1.14	0.71	0.01	0.09	—	0.09	0.09	—	0.09	—	1,409	1,409	0.12	< 0.005	—	1,413
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Fast Food Restaurant w/o Drive Thru	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	51.7	51.7	< 0.005	< 0.005	—	51.8
High Turnover (Sit Down Restaurant)	0.01	0.01	0.10	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	122	122	0.01	< 0.005	—	122
Quality Restaurant	0.04	0.02	0.40	0.33	< 0.005	0.03	—	0.03	0.03	—	0.03	—	474	474	0.04	< 0.005	—	475
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	0.07	0.04	0.60	0.26	< 0.005	0.05	—	0.05	0.05	—	0.05	—	762	762	0.07	< 0.005	—	764
Total	0.13	0.06	1.14	0.71	0.01	0.09	—	0.09	0.09	—	0.09	—	1,409	1,409	0.12	< 0.005	—	1,413
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.55	8.55	< 0.005	< 0.005	—	8.58
High Turnover (Sit Down Restaurant)	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	20.2	20.2	< 0.005	< 0.005	—	20.2
Quality Restaurant	0.01	< 0.005	0.07	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	—	78.5	78.5	0.01	< 0.005	—	78.7

Recreational	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	0.01	0.01	0.11	0.05	< 0.005	0.01	—	0.01	0.01	—	0.01	—	126	126	0.01	< 0.005	—	126
Total	0.02	0.01	0.21	0.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	233	233	0.02	< 0.005	—	234

4.2.4. Natural Gas Emissions By Land Use - Mitigated

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	51.7	51.7	< 0.005	< 0.005	—	51.8
High Turnover (Sit Down Restaurant)	0.01	0.01	0.10	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	122	122	0.01	< 0.005	—	122
Quality Restaurant	0.04	0.02	0.40	0.33	< 0.005	0.03	—	0.03	0.03	—	0.03	—	474	474	0.04	< 0.005	—	475
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Apartments	0.07	0.04	0.60	0.26	< 0.005	0.05	—	0.05	0.05	—	0.05	—	762	762	0.07	< 0.005	—	764
Total	0.13	0.06	1.14	0.71	0.01	0.09	—	0.09	0.09	—	0.09	—	1,409	1,409	0.12	< 0.005	—	1,413
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	51.7	51.7	< 0.005	< 0.005	—	51.8
High Turnover (Sit Down Restaurant)	0.01	0.01	0.10	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	122	122	0.01	< 0.005	—	122
Quality Restaurant	0.04	0.02	0.40	0.33	< 0.005	0.03	—	0.03	0.03	—	0.03	—	474	474	0.04	< 0.005	—	475
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	0.07	0.04	0.60	0.26	< 0.005	0.05	—	0.05	0.05	—	0.05	—	762	762	0.07	< 0.005	—	764
Total	0.13	0.06	1.14	0.71	0.01	0.09	—	0.09	0.09	—	0.09	—	1,409	1,409	0.12	< 0.005	—	1,413
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Fast Food Restaurant w/o Drive Thru	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.55	8.55	< 0.005	< 0.005	—	8.58
High Turnover (Sit Down Restaurant)	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	20.2	20.2	< 0.005	< 0.005	—	20.2
Quality Restaurant	0.01	< 0.005	0.07	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	—	78.5	78.5	0.01	< 0.005	—	78.7
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	0.01	0.01	0.11	0.05	< 0.005	0.01	—	0.01	0.01	—	0.01	—	126	126	0.01	< 0.005	—	126
Total	0.02	0.01	0.21	0.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	233	233	0.02	< 0.005	—	234

4.3. Area Emissions by Source

4.3.2. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	4.72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landscape Equipme	2.20	2.06	0.17	18.0	< 0.005	0.01	—	0.01	0.02	—	0.02	—	56.8	56.8	< 0.005	< 0.005	—	57.0
Total	2.20	6.78	0.17	18.0	< 0.005	0.01	—	0.01	0.02	—	0.02	0.00	56.8	56.8	< 0.005	< 0.005	—	57.0
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	4.72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.00	4.72	0.00	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	0.86	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.28	0.26	0.02	2.25	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.44	6.44	< 0.005	< 0.005	—	6.46
Total	0.28	1.12	0.02	2.25	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	6.44	6.44	< 0.005	< 0.005	—	6.46

4.3.1. Mitigated

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	4.72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landsca Equipment	2.20	2.06	0.17	18.0	< 0.005	0.01	—	0.01	0.02	—	0.02	—	56.8	56.8	< 0.005	< 0.005	—	57.0
Total	2.20	6.78	0.17	18.0	< 0.005	0.01	—	0.01	0.02	—	0.02	0.00	56.8	56.8	< 0.005	< 0.005	—	57.0
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consum er Products	—	4.72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.00	4.72	0.00	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consum er Products	—	0.86	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landsca pe Equipme nt	0.28	0.26	0.02	2.25	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.44	6.44	< 0.005	< 0.005	—	6.46
Total	0.28	1.12	0.02	2.25	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	6.44	6.44	< 0.005	< 0.005	—	6.46

4.4. Water Emissions by Land Use

4.4.2. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.81	2.76	3.58	0.08	< 0.005	—	6.27
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	1.92	6.51	8.43	0.20	< 0.005	—	14.8
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	7.47	25.4	32.8	0.77	0.02	—	57.6
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.11	0.38	0.50	0.01	< 0.005	—	0.87
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	15.3	52.8	68.1	1.57	0.04	—	119
Total	—	—	—	—	—	—	—	—	—	—	—	25.6	87.9	113	2.63	0.06	—	198
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.81	2.76	3.58	0.08	< 0.005	—	6.27

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	1.92	6.51	8.43	0.20	< 0.005	—	14.8
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	7.47	25.4	32.8	0.77	0.02	—	57.6
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.11	0.38	0.50	0.01	< 0.005	—	0.87
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	15.3	52.8	68.1	1.57	0.04	—	119
Total	—	—	—	—	—	—	—	—	—	—	—	25.6	87.9	113	2.63	0.06	—	198
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.13	0.46	0.59	0.01	< 0.005	—	1.04
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	0.32	1.08	1.40	0.03	< 0.005	—	2.45
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	1.24	4.20	5.44	0.13	< 0.005	—	9.53
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.02	0.06	0.08	< 0.005	< 0.005	—	0.14

Apartments	—	—	—	—	—	—	—	—	—	—	—	2.53	8.75	11.3	0.26	0.01	—	19.7
Total	—	—	—	—	—	—	—	—	—	—	—	4.24	14.5	18.8	0.44	0.01	—	32.8

4.4.1. Mitigated

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.81	2.76	3.58	0.08	< 0.005	—	6.27
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	1.92	6.51	8.43	0.20	< 0.005	—	14.8
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	7.47	25.4	32.8	0.77	0.02	—	57.6
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.11	0.38	0.50	0.01	< 0.005	—	0.87
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	15.3	52.8	68.1	1.57	0.04	—	119
Total	—	—	—	—	—	—	—	—	—	—	—	25.6	87.9	113	2.63	0.06	—	198

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.81	2.76	3.58	0.08	< 0.005	—	6.27
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	1.92	6.51	8.43	0.20	< 0.005	—	14.8
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	7.47	25.4	32.8	0.77	0.02	—	57.6
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.11	0.38	0.50	0.01	< 0.005	—	0.87
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	15.3	52.8	68.1	1.57	0.04	—	119
Total	—	—	—	—	—	—	—	—	—	—	—	25.6	87.9	113	2.63	0.06	—	198
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.13	0.46	0.59	0.01	< 0.005	—	1.04

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	0.32	1.08	1.40	0.03	< 0.005	—	2.45
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	1.24	4.20	5.44	0.13	< 0.005	—	9.53
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.02	0.06	0.08	< 0.005	< 0.005	—	0.14
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	2.53	8.75	11.3	0.26	0.01	—	19.7
Total	—	—	—	—	—	—	—	—	—	—	—	4.24	14.5	18.8	0.44	0.01	—	32.8

4.5. Waste Emissions by Land Use

4.5.2. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	8.69	0.00	8.69	0.87	0.00	—	30.4

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	21.2	0.00	21.2	2.12	0.00	—	74.0
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	6.32	0.00	6.32	0.63	0.00	—	22.1
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	3.07	0.00	3.07	0.31	0.00	—	10.7
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	81.9	0.00	81.9	8.18	0.00	—	286
Total	—	—	—	—	—	—	—	—	—	—	—	121	0.00	121	12.1	0.00	—	424
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	8.69	0.00	8.69	0.87	0.00	—	30.4
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	21.2	0.00	21.2	2.12	0.00	—	74.0
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	6.32	0.00	6.32	0.63	0.00	—	22.1

Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	3.07	0.00	3.07	0.31	0.00	—	10.7
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	81.9	0.00	81.9	8.18	0.00	—	286
Total	—	—	—	—	—	—	—	—	—	—	—	121	0.00	121	12.1	0.00	—	424
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	1.44	0.00	1.44	0.14	0.00	—	5.03
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	3.50	0.00	3.50	0.35	0.00	—	12.3
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	1.05	0.00	1.05	0.10	0.00	—	3.66
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.51	0.00	0.51	0.05	0.00	—	1.78
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	13.6	0.00	13.6	1.35	0.00	—	47.4
Total	—	—	—	—	—	—	—	—	—	—	—	20.1	0.00	20.1	2.00	0.00	—	70.2

4.5.1. Mitigated

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	8.69	0.00	8.69	0.87	0.00	—	30.4
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	21.2	0.00	21.2	2.12	0.00	—	74.0
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	6.32	0.00	6.32	0.63	0.00	—	22.1
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	3.07	0.00	3.07	0.31	0.00	—	10.7
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	81.9	0.00	81.9	8.18	0.00	—	286
Total	—	—	—	—	—	—	—	—	—	—	—	121	0.00	121	12.1	0.00	—	424
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	8.69	0.00	8.69	0.87	0.00	—	30.4
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	21.2	0.00	21.2	2.12	0.00	—	74.0
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	6.32	0.00	6.32	0.63	0.00	—	22.1
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	3.07	0.00	3.07	0.31	0.00	—	10.7
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	81.9	0.00	81.9	8.18	0.00	—	286
Total	—	—	—	—	—	—	—	—	—	—	—	121	0.00	121	12.1	0.00	—	424
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	1.44	0.00	1.44	0.14	0.00	—	5.03
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	3.50	0.00	3.50	0.35	0.00	—	12.3
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	1.05	0.00	1.05	0.10	0.00	—	3.66

Recreational	—	—	—	—	—	—	—	—	—	—	—	0.51	0.00	0.51	0.05	0.00	—	1.78
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	13.6	0.00	13.6	1.35	0.00	—	47.4
Total	—	—	—	—	—	—	—	—	—	—	—	20.1	0.00	20.1	2.00	0.00	—	70.2

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.19	2.19
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.16	5.16
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20.1	20.1
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.45	1.45

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	28.9	28.9
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.19	2.19
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.16	5.16
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20.1	20.1
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.45	1.45
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	28.9	28.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.36	0.36
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.85	0.85
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.33	3.33

Recreati Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.24	0.24
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.78	4.78

4.6.2. Mitigated

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.19	2.19
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.16	5.16
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20.1	20.1
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.45	1.45
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	28.9	28.9

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.19	2.19
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.16	5.16
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20.1	20.1
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.45	1.45
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	28.9	28.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.36	0.36
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.85	0.85
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.33	3.33

Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.24	0.24
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.78	4.78

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8.2. Mitigated

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

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	3/1/2024	4/17/2024	5.00	34.0	—
Site Preparation	Site Preparation	4/18/2024	5/1/2024	5.00	10.0	—
Grading	Grading	5/2/2024	6/4/2024	5.00	24.0	—
Building Construction	Building Construction	6/5/2024	9/29/2025	5.00	344	—
Paving	Paving	9/30/2025	10/29/2025	5.00	22.0	—
Architectural Coating	Architectural Coating	10/30/2025	11/28/2025	5.00	22.0	—

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	Tractors/Loaders/Backhoes	Diesel	Average	3.00	8.00	84.0	0.37
Demolition	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Site Preparation	Graders	Diesel	Average	1.00	8.00	148	0.41
Site Preparation	Scrapers	Diesel	Average	1.00	8.00	423	0.48

Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	1.00	7.00	84.0	0.37
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	7.00	84.0	0.37
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Building Construction	Cranes	Diesel	Average	1.00	8.00	367	0.29
Building Construction	Forklifts	Diesel	Average	2.00	7.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	1.00	6.00	84.0	0.37
Building Construction	Welders	Diesel	Average	3.00	8.00	46.0	0.45
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Paving	Pavers	Diesel	Average	1.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	1.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Paving	Cement and Mortar Mixers	Diesel	Average	1.00	8.00	10.0	0.56
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	3.00	8.00	84.0	0.37
Demolition	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Site Preparation	Graders	Diesel	Average	1.00	8.00	148	0.41

Site Preparation	Scrapers	Diesel	Average	1.00	8.00	423	0.48
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	1.00	7.00	84.0	0.37
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	7.00	84.0	0.37
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Building Construction	Cranes	Diesel	Average	1.00	8.00	367	0.29
Building Construction	Forklifts	Diesel	Average	2.00	7.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	1.00	6.00	84.0	0.37
Building Construction	Welders	Diesel	Average	3.00	8.00	46.0	0.45
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Paving	Pavers	Diesel	Average	1.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	1.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Paving	Cement and Mortar Mixers	Diesel	Average	1.00	8.00	10.0	0.56
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

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	0.00	18.5	LDA,LDT1,LDT2

Demolition	Vendor	4.00	0.25	HHDT,MHDT
Demolition	Hauling	70.6	0.25	HHDT
Demolition	Onsite truck	4.00	0.05	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	0.00	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	4.00	0.25	HHDT,MHDT
Site Preparation	Hauling	1.20	0.25	HHDT
Site Preparation	Onsite truck	4.00	0.05	HHDT
Grading	—	—	—	—
Grading	Worker	0.00	18.5	LDA,LDT1,LDT2
Grading	Vendor	4.00	0.25	HHDT,MHDT
Grading	Hauling	242	0.25	HHDT
Grading	Onsite truck	4.00	0.05	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	0.00	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	45.2	0.25	HHDT,MHDT
Building Construction	Hauling	0.00	0.25	HHDT
Building Construction	Onsite truck	4.00	0.05	HHDT
Paving	—	—	—	—
Paving	Worker	0.00	18.5	LDA,LDT1,LDT2
Paving	Vendor	4.00	0.25	HHDT,MHDT
Paving	Hauling	0.00	0.25	HHDT
Paving	Onsite truck	4.00	0.05	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	0.00	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	4.00	0.25	HHDT,MHDT
Architectural Coating	Hauling	0.00	0.25	HHDT

Architectural Coating	Onsite truck	4.00	0.05	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	0.00	18.5	LDA,LDT1,LDT2
Demolition	Vendor	4.00	0.25	HHDT,MHDT
Demolition	Hauling	70.6	0.25	HHDT
Demolition	Onsite truck	4.00	0.05	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	0.00	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	4.00	0.25	HHDT,MHDT
Site Preparation	Hauling	1.20	0.25	HHDT
Site Preparation	Onsite truck	4.00	0.05	HHDT
Grading	—	—	—	—
Grading	Worker	0.00	18.5	LDA,LDT1,LDT2
Grading	Vendor	4.00	0.25	HHDT,MHDT
Grading	Hauling	242	0.25	HHDT
Grading	Onsite truck	4.00	0.05	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	0.00	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	45.2	0.25	HHDT,MHDT
Building Construction	Hauling	0.00	0.25	HHDT
Building Construction	Onsite truck	4.00	0.05	HHDT
Paving	—	—	—	—
Paving	Worker	0.00	18.5	LDA,LDT1,LDT2
Paving	Vendor	4.00	0.25	HHDT,MHDT

Paving	Hauling	0.00	0.25	HHDT
Paving	Onsite truck	4.00	0.05	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	0.00	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	4.00	0.25	HHDT,MHDT
Architectural Coating	Hauling	0.00	0.25	HHDT
Architectural Coating	Onsite truck	4.00	0.05	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	410,812	136,937	26,325	8,775	7,049

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	9,600	—
Site Preparation	—	95.0	15.0	0.00	—
Grading	—	46,422	24.0	0.00	—
Paving	0.00	0.00	0.00	0.00	0.00

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

Land Use	Area Paved (acres)	% Asphalt
Enclosed Parking with Elevator	0.00	100%
Fast Food Restaurant w/o Drive Thru	0.00	0%
High Turnover (Sit Down Restaurant)	0.00	0%
Quality Restaurant	0.00	0%
Recreational Swimming Pool	0.00	0%
Apartments Mid Rise	—	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2024	0.00	349	0.03	< 0.005
2025	0.00	349	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
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Fast Food Restaurant w/o Drive Thru	426	856	615	187,686	4,460	8,965	6,440	1,965,908
High Turnover (Sit Down Restaurant)	328	358	417	125,829	1,314	3,746	4,365	765,532
Quality Restaurant	1,051	1,128	902	379,816	4,138	11,820	9,447	2,187,895
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Mid Rise	946	854	710	328,174	10,517	9,493	7,899	3,648,728

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fast Food Restaurant w/o Drive Thru	332	668	480	146,399	3,479	6,993	5,023	1,533,454
High Turnover (Sit Down Restaurant)	256	279	325	98,149	1,025	2,922	3,405	597,133
Quality Restaurant	820	880	704	296,266	3,228	9,220	7,369	1,706,608
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Mid Rise	510	461	383	177,036	5,673	5,121	4,261	1,968,333

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Apartments Mid Rise	—

Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	214
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.1.2. Mitigated

Hearth Type	Unmitigated (number)
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	214
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	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)
—	—	—	—	—

5.10.3. Landscape Equipment

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

5.10.4. Landscape Equipment - Mitigated

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

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)
Enclosed Parking with Elevator	433,669	349	0.0330	0.0040	0.00
Fast Food Restaurant w/o Drive Thru	48,482	349	0.0330	0.0040	161,184
High Turnover (Sit Down Restaurant)	114,280	349	0.0330	0.0040	379,934
Quality Restaurant	445,000	349	0.0330	0.0040	1,479,441
Recreational Swimming Pool	0.00	349	0.0330	0.0040	0.00
Apartments Mid Rise	784,488	349	0.0330	0.0040	2,376,864

5.11.2. Mitigated

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)

Enclosed Parking with Elevator	433,669	349	0.0330	0.0040	0.00
Fast Food Restaurant w/o Drive Thru	48,482	349	0.0330	0.0040	161,184
High Turnover (Sit Down Restaurant)	114,280	349	0.0330	0.0040	379,934
Quality Restaurant	445,000	349	0.0330	0.0040	1,479,441
Recreational Swimming Pool	0.00	349	0.0330	0.0040	0.00
Apartments Mid Rise	784,488	349	0.0330	0.0040	2,376,864

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Enclosed Parking with Elevator	0.00	0.00
Fast Food Restaurant w/o Drive Thru	424,947	0.00
High Turnover (Sit Down Restaurant)	1,001,661	0.00
Quality Restaurant	3,900,408	0.00
Recreational Swimming Pool	59,143	0.00
Apartments Mid Rise	7,976,593	193,764

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Enclosed Parking with Elevator	0.00	0.00
Fast Food Restaurant w/o Drive Thru	424,947	0.00
High Turnover (Sit Down Restaurant)	1,001,661	0.00
Quality Restaurant	3,900,408	0.00
Recreational Swimming Pool	59,143	0.00
Apartments Mid Rise	7,976,593	193,764

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Enclosed Parking with Elevator	0.00	—
Fast Food Restaurant w/o Drive Thru	16.1	—
High Turnover (Sit Down Restaurant)	39.3	—
Quality Restaurant	11.7	—
Recreational Swimming Pool	5.70	—
Apartments Mid Rise	152	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Enclosed Parking with Elevator	0.00	—
Fast Food Restaurant w/o Drive Thru	16.1	—
High Turnover (Sit Down Restaurant)	39.3	—
Quality Restaurant	11.7	—
Recreational Swimming Pool	5.70	—
Apartments Mid Rise	152	—

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
Fast Food Restaurant w/o Drive Thru	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00

Fast Food Restaurant w/o Drive Thru	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Fast Food Restaurant w/o Drive Thru	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
High Turnover (Sit Down Restaurant)	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
High Turnover (Sit Down Restaurant)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Quality Restaurant	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Quality Restaurant	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Quality Restaurant	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Recreational Swimming Pool	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Recreational Swimming Pool	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Fast Food Restaurant w/o Drive Thru	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Fast Food Restaurant w/o Drive Thru	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0

Fast Food Restaurant w/o Drive Thru	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
High Turnover (Sit Down Restaurant)	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
High Turnover (Sit Down Restaurant)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Quality Restaurant	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Quality Restaurant	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Quality Restaurant	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Recreational Swimming Pool	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Recreational Swimming Pool	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

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

5.15.2. Mitigated

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

5.18.1.2. Mitigated

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

5.18.1.2. Mitigated

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)

5.18.2.2. Mitigated

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	25.9	annual days of extreme heat
Extreme Precipitation	9.15	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	16.9	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 (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth 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 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.

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	N/A	N/A	N/A	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	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	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	N/A	N/A	N/A	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	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A

Air Quality Degradation	N/A	N/A	N/A	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 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	84.6
AQ-PM	72.3
AQ-DPM	82.1
Drinking Water	73.7
Lead Risk Housing	39.3
Pesticides	0.00
Toxic Releases	71.1
Traffic	75.2
Effect Indicators	—
CleanUp Sites	73.4
Groundwater	14.3
Haz Waste Facilities/Generators	53.5
Impaired Water Bodies	0.00
Solid Waste	52.9

Sensitive Population	—
Asthma	12.1
Cardio-vascular	3.07
Low Birth Weights	6.13
Socioeconomic Factor Indicators	—
Education	20.9
Housing	89.6
Linguistic	91.3
Poverty	42.1
Unemployment	—

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	58.2574105
Employed	65.58449891
Median HI	53.81752855
Education	—
Bachelor's or higher	78.22404722
High school enrollment	100
Preschool enrollment	31.61811882
Transportation	—
Auto Access	95.6242782
Active commuting	57.55164892
Social	—
2-parent households	53.85602464

Voting	33.79956371
Neighborhood	—
Alcohol availability	23.49544463
Park access	81.35506224
Retail density	37.95714102
Supermarket access	44.36032337
Tree canopy	76.99217246
Housing	—
Homeownership	23.32862826
Housing habitability	26.2928269
Low-inc homeowner severe housing cost burden	7.76337739
Low-inc renter severe housing cost burden	36.2504812
Uncrowded housing	51.23829077
Health Outcomes	—
Insured adults	51.58475555
Arthritis	0.0
Asthma ER Admissions	93.8
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	89.9
Cognitively Disabled	80.8
Physically Disabled	84.3
Heart Attack ER Admissions	75.0

Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	81.6
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	92.8
Elderly	81.3
English Speaking	8.1
Foreign-born	96.0
Outdoor Workers	95.1
Climate Change Adaptive Capacity	—
Impervious Surface Cover	12.2
Traffic Density	84.2
Traffic Access	23.0
Other Indices	—
Hardship	31.9
Other Decision Support	—
2016 Voting	11.4

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	46.0
Healthy Places Index Score for Project Location (b)	57.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
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	Landscaping provided in plans
Construction: Construction Phases	Project specific information provided by Applicant
Construction: Off-Road Equipment	CalEEMod defaults, added 1 excavator
Construction: Architectural Coatings	CalEEMod Defaults, and parking area square footage added
Operations: Vehicle Data	trip rates per TIA, with reductions for internal trip capture
Operations: Hearths	no woodstoves per SCAQMD rule 445, no woodburning fireplaces, no units will have fire places
Construction: Trips and VMT	for HRA- On-site diesel emissions only

```
** Lakes Environmental AERMOD MPI
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.0.1
** Lakes Environmental Software Inc.
** Date: 11/15/2022
** File: C:\Users\apoll\Desktop\HRAs\Derby\Derby HRA\Derby HRA.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
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   MODELOPT DFAULT CONC
   AVERTIME 1 PERIOD
   URBANOPT 9818605
   POLLUTID PM_10
   RUNORNOT RUN
   ERRORFIL "Derby HRA.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 = SLINE1
** DESCRSRC
** PREFIX
** Length of Side = 10.00
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 10.00
** SZINIT = 4.65
** Nodes = 15
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** 405590.478, 3778189.449, 147.06, 5.00, 4.65
** 405686.561, 3778189.927, 146.74, 5.00, 4.65
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** 405602.429, 3778274.537, 147.68, 5.00, 4.65
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** 405675.566, 3778199.965, 146.74, 5.00, 4.65
** 405676.044, 3778230.559, 146.82, 5.00, 4.65
** 405612.467, 3778228.647, 147.02, 5.00, 4.65
** 405611.989, 3778211.916, 147.21, 5.00, 4.65
** 405666.484, 3778211.438, 146.91, 5.00, 4.65
** 405666.962, 3778220.520, 146.94, 5.00, 4.65
** 405623.462, 3778220.042, 147.11, 5.00, 4.65
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   LOCATION L0000002     VOLUME   405591.662 3778260.495 147.81
   LOCATION L0000003     VOLUME   405591.496 3778250.496 147.62
   LOCATION L0000004     VOLUME   405591.329 3778240.498 147.44
   LOCATION L0000005     VOLUME   405591.162 3778230.499 147.25
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   LOCATION L0000010     VOLUME   405599.422 3778189.493 147.03
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   LOCATION L0000012     VOLUME   405619.422 3778189.593 146.98
   LOCATION L0000013     VOLUME   405629.422 3778189.643 146.77
   LOCATION L0000014     VOLUME   405639.421 3778189.692 146.58
   LOCATION L0000015     VOLUME   405649.421 3778189.742 146.65
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   LOCATION L0000020     VOLUME   405686.561 3778202.787 146.82
   LOCATION L0000021     VOLUME   405686.561 3778212.787 146.78
   LOCATION L0000022     VOLUME   405686.561 3778222.787 146.74
   LOCATION L0000023     VOLUME   405686.561 3778232.787 146.76
   LOCATION L0000024     VOLUME   405683.415 3778239.595 146.89
   LOCATION L0000025     VOLUME   405673.416 3778239.446 147.03
   LOCATION L0000026     VOLUME   405663.418 3778239.298 147.17
   LOCATION L0000027     VOLUME   405653.419 3778239.150 147.19
   LOCATION L0000028     VOLUME   405643.420 3778239.002 147.22
   LOCATION L0000029     VOLUME   405633.421 3778238.854 147.21
   LOCATION L0000030     VOLUME   405623.422 3778238.706 147.19
   LOCATION L0000031     VOLUME   405621.913 3778247.290 147.41
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   LOCATION L0000034     VOLUME   405618.799 3778274.537 147.95
   LOCATION L0000035     VOLUME   405608.799 3778274.537 147.94
   LOCATION L0000036     VOLUME   405602.311 3778270.909 147.90
   LOCATION L0000037     VOLUME   405601.986 3778260.914 147.69
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   LOCATION L0000038     VOLUME   405601.662 3778250.920 147.52
   LOCATION L0000039     VOLUME   405601.337 3778240.925 147.34
   LOCATION L0000040     VOLUME   405601.013 3778230.930 147.16
   LOCATION L0000041     VOLUME   405600.688 3778220.935 147.17
   LOCATION L0000042     VOLUME   405600.364 3778210.941 147.21
   LOCATION L0000043     VOLUME   405600.039 3778200.946 147.25
   LOCATION L0000044     VOLUME   405610.013 3778200.795 147.32
   LOCATION L0000045     VOLUME   405620.012 3778200.669 147.15
   LOCATION L0000046     VOLUME   405630.012 3778200.542 146.87
   LOCATION L0000047     VOLUME   405640.011 3778200.415 146.65
   LOCATION L0000048     VOLUME   405650.010 3778200.289 146.75
   LOCATION L0000049     VOLUME   405660.009 3778200.162 146.85
   LOCATION L0000050     VOLUME   405670.008 3778200.036 146.88
   LOCATION L0000051     VOLUME   405675.636 3778204.406 146.85
   LOCATION L0000052     VOLUME   405675.792 3778214.405 146.84
   LOCATION L0000053     VOLUME   405675.948 3778224.404 146.82
   LOCATION L0000054     VOLUME   405672.201 3778230.443 146.88
   LOCATION L0000055     VOLUME   405662.206 3778230.143 146.94
   LOCATION L0000056     VOLUME   405652.211 3778229.842 146.89
   LOCATION L0000057     VOLUME   405642.215 3778229.541 146.83
   LOCATION L0000058     VOLUME   405632.220 3778229.241 146.85
   LOCATION L0000059     VOLUME   405622.224 3778228.940 146.94
   LOCATION L0000060     VOLUME   405612.460 3778228.408 147.04
   LOCATION L0000061     VOLUME   405612.175 3778218.412 147.15
   LOCATION L0000062     VOLUME   405615.490 3778211.885 147.17
   LOCATION L0000063     VOLUME   405625.490 3778211.797 146.97
   LOCATION L0000064     VOLUME   405635.489 3778211.710 146.76
   LOCATION L0000065     VOLUME   405645.489 3778211.622 146.75
   LOCATION L0000066     VOLUME   405655.489 3778211.534 146.83
   LOCATION L0000067     VOLUME   405665.488 3778211.447 146.90
   LOCATION L0000068     VOLUME   405666.957 3778220.430 146.89
   LOCATION L0000069     VOLUME   405657.053 3778220.411 146.87
   LOCATION L0000070     VOLUME   405647.054 3778220.302 146.80
   LOCATION L0000071     VOLUME   405637.054 3778220.192 146.77
   LOCATION L0000072     VOLUME   405627.055 3778220.082 146.92
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** Source Parameters **
** LINE VOLUME Source ID = SLINE1
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   SRCPARAM L0000002     0.0138888889      5.00      4.65      4.65
   SRCPARAM L0000003     0.0138888889      5.00      4.65      4.65
   SRCPARAM L0000004     0.0138888889      5.00      4.65      4.65
   SRCPARAM L0000005     0.0138888889      5.00      4.65      4.65
   SRCPARAM L0000006     0.0138888889      5.00      4.65      4.65
   SRCPARAM L0000007     0.0138888889      5.00      4.65      4.65
   SRCPARAM L0000008     0.0138888889      5.00      4.65      4.65
   SRCPARAM L0000009     0.0138888889      5.00      4.65      4.65
   SRCPARAM L0000010     0.0138888889      5.00      4.65      4.65
   SRCPARAM L0000011     0.0138888889      5.00      4.65      4.65
   SRCPARAM L0000012     0.0138888889      5.00      4.65      4.65
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SRCPARAM L0000013     0.0138888889      5.00      4.65      4.65
SRCPARAM L0000014     0.0138888889      5.00      4.65      4.65
SRCPARAM L0000015     0.0138888889      5.00      4.65      4.65
SRCPARAM L0000016     0.0138888889      5.00      4.65      4.65
SRCPARAM L0000017     0.0138888889      5.00      4.65      4.65
SRCPARAM L0000018     0.0138888889      5.00      4.65      4.65
SRCPARAM L0000019     0.0138888889      5.00      4.65      4.65
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SRCPARAM L0000022     0.0138888889      5.00      4.65      4.65
SRCPARAM L0000023     0.0138888889      5.00      4.65      4.65
SRCPARAM L0000024     0.0138888889      5.00      4.65      4.65
SRCPARAM L0000025     0.0138888889      5.00      4.65      4.65
SRCPARAM L0000026     0.0138888889      5.00      4.65      4.65
SRCPARAM L0000027     0.0138888889      5.00      4.65      4.65
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SRCPARAM L0000039     0.0138888889      5.00      4.65      4.65
SRCPARAM L0000040     0.0138888889      5.00      4.65      4.65
SRCPARAM L0000041     0.0138888889      5.00      4.65      4.65
SRCPARAM L0000042     0.0138888889      5.00      4.65      4.65
SRCPARAM L0000043     0.0138888889      5.00      4.65      4.65
SRCPARAM L0000044     0.0138888889      5.00      4.65      4.65
SRCPARAM L0000045     0.0138888889      5.00      4.65      4.65
SRCPARAM L0000046     0.0138888889      5.00      4.65      4.65
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SRCPARAM L0000050     0.0138888889      5.00      4.65      4.65
SRCPARAM L0000051     0.0138888889      5.00      4.65      4.65
SRCPARAM L0000052     0.0138888889      5.00      4.65      4.65
SRCPARAM L0000053     0.0138888889      5.00      4.65      4.65
SRCPARAM L0000054     0.0138888889      5.00      4.65      4.65
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SRCPARAM L0000058     0.0138888889      5.00      4.65      4.65
SRCPARAM L0000059     0.0138888889      5.00      4.65      4.65
SRCPARAM L0000060     0.0138888889      5.00      4.65      4.65
SRCPARAM L0000061     0.0138888889      5.00      4.65      4.65
SRCPARAM L0000062     0.0138888889      5.00      4.65      4.65
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   SRCPARAM L0000067     0.0138888889      5.00      4.65      4.65
   SRCPARAM L0000068     0.0138888889      5.00      4.65      4.65
   SRCPARAM L0000069     0.0138888889      5.00      4.65      4.65
   SRCPARAM L0000070     0.0138888889      5.00      4.65      4.65
   SRCPARAM L0000071     0.0138888889      5.00      4.65      4.65
   SRCPARAM L0000072     0.0138888889      5.00      4.65      4.65
** ------------------------------------------------------------------
   URBANSRC ALL

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Scenario 1"
** WeekDays:
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   EMISFACT L0000001     HRDOW 3.6 3.6 3.6 3.6 3.6 3.6
   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
   EMISFACT L0000002     HRDOW 0.0 3.6 3.6 3.6 3.6 3.6
   EMISFACT L0000002     HRDOW 3.6 3.6 3.6 3.6 3.6 3.6
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000003     HRDOW 3.6 3.6 3.6 3.6 3.6 3.6
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     HRDOW 0.0 3.6 3.6 3.6 3.6 3.6
   EMISFACT L0000004     HRDOW 3.6 3.6 3.6 3.6 3.6 3.6
   EMISFACT L0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000005     HRDOW 3.6 3.6 3.6 3.6 3.6 3.6
   EMISFACT L0000005     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     HRDOW 0.0 3.6 3.6 3.6 3.6 3.6
   EMISFACT L0000006     HRDOW 3.6 3.6 3.6 3.6 3.6 3.6
   EMISFACT L0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     HRDOW 0.0 3.6 3.6 3.6 3.6 3.6
   EMISFACT L0000007     HRDOW 3.6 3.6 3.6 3.6 3.6 3.6
   EMISFACT L0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000008     HRDOW 0.0 3.6 3.6 3.6 3.6 3.6
   EMISFACT L0000008     HRDOW 3.6 3.6 3.6 3.6 3.6 3.6
   EMISFACT L0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000009     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000010     HRDOW 0.0 3.6 3.6 3.6 3.6 3.6
EMISFACT L0000010     HRDOW 3.6 3.6 3.6 3.6 3.6 3.6
EMISFACT L0000010     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     HRDOW 0.0 3.6 3.6 3.6 3.6 3.6
EMISFACT L0000011     HRDOW 3.6 3.6 3.6 3.6 3.6 3.6
EMISFACT L0000011     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     HRDOW 0.0 3.6 3.6 3.6 3.6 3.6
EMISFACT L0000012     HRDOW 3.6 3.6 3.6 3.6 3.6 3.6
EMISFACT L0000012     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     HRDOW 0.0 3.6 3.6 3.6 3.6 3.6
EMISFACT L0000013     HRDOW 3.6 3.6 3.6 3.6 3.6 3.6
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EMISFACT L0000014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     HRDOW 0.0 3.6 3.6 3.6 3.6 3.6
EMISFACT L0000014     HRDOW 3.6 3.6 3.6 3.6 3.6 3.6
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EMISFACT L0000015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000015     HRDOW 3.6 3.6 3.6 3.6 3.6 3.6
EMISFACT L0000015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     HRDOW 0.0 3.6 3.6 3.6 3.6 3.6
EMISFACT L0000016     HRDOW 3.6 3.6 3.6 3.6 3.6 3.6
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EMISFACT L0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000017     HRDOW 3.6 3.6 3.6 3.6 3.6 3.6
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EMISFACT L0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000018     HRDOW 3.6 3.6 3.6 3.6 3.6 3.6
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EMISFACT L0000019     HRDOW 3.6 3.6 3.6 3.6 3.6 3.6
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EMISFACT L0000020     HRDOW 3.6 3.6 3.6 3.6 3.6 3.6
EMISFACT L0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000021     HRDOW 3.6 3.6 3.6 3.6 3.6 3.6
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EMISFACT L0000040     HRDOW 3.6 3.6 3.6 3.6 3.6 3.6
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EMISFACT L0000046     HRDOW 3.6 3.6 3.6 3.6 3.6 3.6
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EMISFACT L0000049     HRDOW 3.6 3.6 3.6 3.6 3.6 3.6
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EMISFACT L0000033     HRDOW 3.6 3.6 3.6 3.6 3.6 0.0
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EMISFACT L0000034     HRDOW 3.6 3.6 3.6 3.6 3.6 0.0
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EMISFACT L0000035     HRDOW 3.6 3.6 3.6 3.6 3.6 0.0
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EMISFACT L0000036     HRDOW 3.6 3.6 3.6 3.6 3.6 0.0
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EMISFACT L0000062     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000025     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000029     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000067     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000069     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000072     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "Derby HRA.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
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```
   SURFFILE ..\AzusaADJU\AZUS_v9.SFC
   PROFFILE ..\AzusaADJU\AZUS_v9.PFL
   SURFDATA 3179 2012
   UAIRDATA 3190 2012
   SITEDATA 99999 2012
   PROFBASE 182.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST "Derby HRA.AD\01H1GALL.PLT" 31
   PLOTFILE PERIOD ALL "Derby HRA.AD\PE00GALL.PLT" 32
   SUMMFILE "Derby HRA.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    1106       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
     0.50
 ME W187    1106       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


 ***********************************
 *** SETUP Finishes Successfully ***
 ***********************************

 *** AERMOD - VERSION 21112  ***   ***
C:\Users\apoll\Desktop\HARP2\HARP\Derby\Derby HRA\Derby HRA.isc      ***
11/15/22
 *** AERMET - VERSION  16216 ***   ***
```

```
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                        ***     MODEL SETUP OPTIONS SUMMARY
 ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - -

 **Model Is Setup For Calculation of Average CONCentration Values.

   --  DEPOSITION LOGIC  --
 **NO GAS DEPOSITION Data Provided.
 **NO PARTICLE DEPOSITION Data Provided.
 **Model Uses NO DRY DEPLETION.  DRYDPLT  =  F
 **Model Uses NO WET DEPLETION.  WETDPLT  =  F

 **Model Uses URBAN Dispersion Algorithm for the SBL for    72 Source(s),
   for Total of    1 Urban Area(s):
   Urban Population =   9818605.0 ;  Urban Roughness Length =  1.000 m

 **Model Uses Regulatory DEFAULT Options:
         1. Stack-tip Downwash.
         2. Model Accounts for ELEVated Terrain Effects.
         3. Use Calms Processing Routine.
         4. Use Missing Data Processing Routine.
         5. No Exponential Decay.
         6. Urban Roughness Length of 1.0 Meter Assumed.

 **Other Options Specified:
         ADJ_U*   - Use ADJ_U* option for SBL in AERMET
         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:     72 Source(s);       1 Source Group(s); and    1315
Receptor(s)

                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:     72 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)


 **Model Set To Continue RUNning After the Setup Testing.

 **The AERMET Input Meteorological Data Version Date:  16216

 **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) =   182.00 ;  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 =      3.7 MB of RAM.

 **Input Runstream File:          aermod.inp

 **Output Print File:             aermod.out


 **Detailed Error/Message File:   Derby HRA.err

 **File for Summary of Results:   Derby HRA.sum

 *** AERMOD - VERSION 21112  ***   ***
C:\Users\apoll\Desktop\HARP2\HARP\Derby\Derby HRA\Derby HRA.isc      ***
11/15/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:03:45

                                  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 (METERS)	URBAN SOURCE	EMISSION RATE VARY BY
L0000001	0	0.13889E-01	405591.8	3778270.5	148.0	5.00	4.65	4.65	YES	HRDOW
L0000002	0	0.13889E-01	405591.7	3778260.5	147.8	5.00	4.65	4.65	YES	HRDOW
L0000003	0	0.13889E-01	405591.5	3778250.5	147.6	5.00	4.65	4.65	YES	HRDOW
L0000004	0	0.13889E-01	405591.3	3778240.5	147.4	5.00	4.65	4.65	YES	HRDOW
L0000005	0	0.13889E-01	405591.2	3778230.5	147.2	5.00	4.65	4.65	YES	HRDOW
L0000006	0	0.13889E-01	405591.0	3778220.5	147.2	5.00	4.65	4.65	YES	HRDOW
L0000007	0	0.13889E-01	405590.8	3778210.5	147.2	5.00	4.65	4.65	YES	HRDOW
L0000008	0	0.13889E-01	405590.7	3778200.5	147.2	5.00	4.65	4.65	YES	HRDOW
L0000009	0	0.13889E-01	405590.5	3778190.5	147.0	5.00	4.65	4.65	YES	HRDOW
L0000010	0	0.13889E-01	405599.4	3778189.5	147.0	5.00	4.65	4.65	YES	HRDOW
L0000011	0	0.13889E-01	405609.4	3778189.5	147.1	5.00	4.65	4.65	YES	HRDOW
L0000012	0	0.13889E-01	405619.4	3778189.6	147.0	5.00	4.65	4.65	YES	HRDOW
L0000013	0	0.13889E-01	405629.4	3778189.6	146.8	5.00	4.65	4.65	YES	HRDOW
L0000014	0	0.13889E-01	405639.4	3778189.7	146.6	5.00	4.65	4.65	YES	HRDOW
L0000015	0	0.13889E-01	405649.4	3778189.7	146.7	5.00	4.65	4.65	YES	HRDOW
L0000016	0	0.13889E-01	405659.4	3778189.8	146.7	5.00	4.65	4.65	YES	HRDOW
L0000017	0	0.13889E-01	405669.4	3778189.8	146.7	5.00	4.65	4.65	YES	HRDOW
L0000018	0	0.13889E-01	405679.4	3778189.9	146.7	5.00	4.65	4.65	YES	HRDOW
L0000019	0	0.13889E-01	405686.6	3778192.8	146.7	5.00	4.65	4.65	YES	HRDOW
L0000020	0	0.13889E-01	405686.6	3778202.8	146.8	5.00	4.65	4.65	YES	HRDOW

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 L0000021         0   0.13889E-01  405686.6 3778212.8   146.8     5.00     4.65
4.65     YES   HRDOW
 L0000022         0   0.13889E-01  405686.6 3778222.8   146.7     5.00     4.65
4.65     YES   HRDOW
 L0000023         0   0.13889E-01  405686.6 3778232.8   146.8     5.00     4.65
4.65     YES   HRDOW
 L0000024         0   0.13889E-01  405683.4 3778239.6   146.9     5.00     4.65
4.65     YES   HRDOW
 L0000025         0   0.13889E-01  405673.4 3778239.4   147.0     5.00     4.65
4.65     YES   HRDOW
 L0000026         0   0.13889E-01  405663.4 3778239.3   147.2     5.00     4.65
4.65     YES   HRDOW
 L0000027         0   0.13889E-01  405653.4 3778239.1   147.2     5.00     4.65
4.65     YES   HRDOW
 L0000028         0   0.13889E-01  405643.4 3778239.0   147.2     5.00     4.65
4.65     YES   HRDOW
 L0000029         0   0.13889E-01  405633.4 3778238.9   147.2     5.00     4.65
4.65     YES   HRDOW
 L0000030         0   0.13889E-01  405623.4 3778238.7   147.2     5.00     4.65
4.65     YES   HRDOW
 L0000031         0   0.13889E-01  405621.9 3778247.3   147.4     5.00     4.65
4.65     YES   HRDOW
 L0000032         0   0.13889E-01  405621.8 3778257.3   147.7     5.00     4.65
4.65     YES   HRDOW
 L0000033         0   0.13889E-01  405621.6 3778267.3   147.9     5.00     4.65
4.65     YES   HRDOW
 L0000034         0   0.13889E-01  405618.8 3778274.5   148.0     5.00     4.65
4.65     YES   HRDOW
 L0000035         0   0.13889E-01  405608.8 3778274.5   147.9     5.00     4.65
4.65     YES   HRDOW
 L0000036         0   0.13889E-01  405602.3 3778270.9   147.9     5.00     4.65
4.65     YES   HRDOW
 L0000037         0   0.13889E-01  405602.0 3778260.9   147.7     5.00     4.65
4.65     YES   HRDOW
 L0000038         0   0.13889E-01  405601.7 3778250.9   147.5     5.00     4.65
4.65     YES   HRDOW
 L0000039         0   0.13889E-01  405601.3 3778240.9   147.3     5.00     4.65
4.65     YES   HRDOW
 L0000040         0   0.13889E-01  405601.0 3778230.9   147.2     5.00     4.65
4.65     YES   HRDOW
 *** AERMOD - VERSION 21112  ***   ***
C:\Users\apoll\Desktop\HARP2\HARP\Derby\Derby HRA\Derby HRA.isc      ***
11/15/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:03:45

                                 PAGE   3
 *** 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 (METERS)	URBAN SOURCE	EMISSION RATE VARY BY
L0000041	0	0.13889E-01	405600.7	3778220.9	147.2	5.00	4.65	4.65	YES	HRDOW
L0000042	0	0.13889E-01	405600.4	3778210.9	147.2	5.00	4.65	4.65	YES	HRDOW
L0000043	0	0.13889E-01	405600.0	3778200.9	147.2	5.00	4.65	4.65	YES	HRDOW
L0000044	0	0.13889E-01	405610.0	3778200.8	147.3	5.00	4.65	4.65	YES	HRDOW
L0000045	0	0.13889E-01	405620.0	3778200.7	147.2	5.00	4.65	4.65	YES	HRDOW
L0000046	0	0.13889E-01	405630.0	3778200.5	146.9	5.00	4.65	4.65	YES	HRDOW
L0000047	0	0.13889E-01	405640.0	3778200.4	146.7	5.00	4.65	4.65	YES	HRDOW
L0000048	0	0.13889E-01	405650.0	3778200.3	146.8	5.00	4.65	4.65	YES	HRDOW
L0000049	0	0.13889E-01	405660.0	3778200.2	146.9	5.00	4.65	4.65	YES	HRDOW
L0000050	0	0.13889E-01	405670.0	3778200.0	146.9	5.00	4.65	4.65	YES	HRDOW
L0000051	0	0.13889E-01	405675.6	3778204.4	146.9	5.00	4.65	4.65	YES	HRDOW
L0000052	0	0.13889E-01	405675.8	3778214.4	146.8	5.00	4.65	4.65	YES	HRDOW
L0000053	0	0.13889E-01	405675.9	3778224.4	146.8	5.00	4.65	4.65	YES	HRDOW
L0000054	0	0.13889E-01	405672.2	3778230.4	146.9	5.00	4.65	4.65	YES	HRDOW
L0000055	0	0.13889E-01	405662.2	3778230.1	146.9	5.00	4.65	4.65	YES	HRDOW
L0000056	0	0.13889E-01	405652.2	3778229.8	146.9	5.00	4.65	4.65	YES	HRDOW
L0000057	0	0.13889E-01	405642.2	3778229.5	146.8	5.00	4.65	4.65	YES	HRDOW
L0000058	0	0.13889E-01	405632.2	3778229.2	146.9	5.00	4.65	4.65	YES	HRDOW
L0000059	0	0.13889E-01	405622.2	3778228.9	146.9	5.00	4.65	4.65	YES	HRDOW
L0000060	0	0.13889E-01	405612.5	3778228.4	147.0	5.00	4.65			

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4.65     YES   HRDOW
 L0000061         0   0.13889E-01  405612.2 3778218.4   147.2     5.00     4.65
4.65     YES   HRDOW
 L0000062         0   0.13889E-01  405615.5 3778211.9   147.2     5.00     4.65
4.65     YES   HRDOW
 L0000063         0   0.13889E-01  405625.5 3778211.8   147.0     5.00     4.65
4.65     YES   HRDOW
 L0000064         0   0.13889E-01  405635.5 3778211.7   146.8     5.00     4.65
4.65     YES   HRDOW
 L0000065         0   0.13889E-01  405645.5 3778211.6   146.8     5.00     4.65
4.65     YES   HRDOW
 L0000066         0   0.13889E-01  405655.5 3778211.5   146.8     5.00     4.65
4.65     YES   HRDOW
 L0000067         0   0.13889E-01  405665.5 3778211.4   146.9     5.00     4.65
4.65     YES   HRDOW
 L0000068         0   0.13889E-01  405667.0 3778220.4   146.9     5.00     4.65
4.65     YES   HRDOW
 L0000069         0   0.13889E-01  405657.1 3778220.4   146.9     5.00     4.65
4.65     YES   HRDOW
 L0000070         0   0.13889E-01  405647.1 3778220.3   146.8     5.00     4.65
4.65     YES   HRDOW
 L0000071         0   0.13889E-01  405637.1 3778220.2   146.8     5.00     4.65
4.65     YES   HRDOW
 L0000072         0   0.13889E-01  405627.1 3778220.1   146.9     5.00     4.65
4.65     YES   HRDOW
↑ *** AERMOD - VERSION 21112  ***   ***
C:\Users\apoll\Desktop\HARP2\HARP\Derby\Derby HRA\Derby HRA.isc      ***
11/15/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:03:45

                                 PAGE   4
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                          *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID                                          SOURCE IDs
 -----------                                          ----------


  ALL        L0000001    , L0000002    , L0000003    , L0000004    , L0000005    ,
L0000006    , L0000007    , L0000008    ,

             L0000009    , L0000010    , L0000011    , L0000012    , L0000013    ,
L0000014    , L0000015    , L0000016    ,

             L0000017    , L0000018    , L0000019    , L0000020    , L0000021    ,
L0000022    , L0000023    , L0000024    ,
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
	9818605.	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 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* 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	.3600E+01
9	.3600E+01	10	.3600E+01	11	.3600E+01	12	.3600E+01	13	.3600E+01	14	.3600E+01	15	.3600E+01	16	.3600E+01
17	.3600E+01	18	.3600E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.3600E+01	10	.3600E+01	11	.3600E+01	12	.3600E+01	13	.3600E+01	14	.3600E+01	15	.3600E+01	16	.3600E+01
17	.3600E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
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	.3600E+01
9	.3600E+01	10	.3600E+01	11	.3600E+01	12	.3600E+01	13	.3600E+01	14	.3600E+01	15	.3600E+01	16	.3600E+01
17	.3600E+01	18	.3600E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.3600E+01	10	.3600E+01	11	.3600E+01	12	.3600E+01	13	.3600E+01	14	.3600E+01	15	.3600E+01	16	.3600E+01
17	.3600E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
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 = 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  .3600E+01
    9  .3600E+01   10  .3600E+01   11  .3600E+01   12  .3600E+01   13  .3600E+01
14  .3600E+01   15  .3600E+01   16  .3600E+01
   17  .3600E+01   18  .3600E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .3600E+01   10  .3600E+01   11  .3600E+01   12  .3600E+01   13  .3600E+01
14  .3600E+01   15  .3600E+01   16  .3600E+01
   17  .3600E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   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 21112  ***   ***
C:\Users\apoll\Desktop\HARP2\HARP\Derby\Derby HRA\Derby HRA.isc      ***
11/15/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:03:45

                                  PAGE   9
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * 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  .3600E+01
    9  .3600E+01   10  .3600E+01   11  .3600E+01   12  .3600E+01   13  .3600E+01
14  .3600E+01   15  .3600E+01   16  .3600E+01
   17  .3600E+01   18  .3600E+01   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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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 .3600E+01
    9 .3600E+01   10 .3600E+01   11 .3600E+01   12 .3600E+01   13 .3600E+01   14 .3600E+01   15 .3600E+01   16 .3600E+01
   17 .3600E+01   18 .3600E+01   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .3600E+01   10 .3600E+01   11 .3600E+01   12 .3600E+01   13 .3600E+01   14 .3600E+01   15 .3600E+01   16 .3600E+01
   17 .3600E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   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 = 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  .3600E+01
    9  .3600E+01   10  .3600E+01   11  .3600E+01   12  .3600E+01   13  .3600E+01
14  .3600E+01   15  .3600E+01   16  .3600E+01
   17  .3600E+01   18  .3600E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .3600E+01   10  .3600E+01   11  .3600E+01   12  .3600E+01   13  .3600E+01
14  .3600E+01   15  .3600E+01   16  .3600E+01
   17  .3600E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   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 21112  ***   ***
C:\Users\apoll\Desktop\HARP2\HARP\Derby\Derby HRA\Derby HRA.isc      ***
11/15/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:03:45

                                  PAGE  13
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * 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  .3600E+01
    9  .3600E+01   10  .3600E+01   11  .3600E+01   12  .3600E+01   13  .3600E+01
14  .3600E+01   15  .3600E+01   16  .3600E+01
   17  .3600E+01   18  .3600E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
```

22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .3600E+01   10 .3600E+01   11 .3600E+01   12 .3600E+01   13 .3600E+01
14 .3600E+01   15 .3600E+01   16 .3600E+01
17 .3600E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
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	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .3600E+01
9 .3600E+01   10 .3600E+01   11 .3600E+01   12 .3600E+01   13 .3600E+01
14 .3600E+01   15 .3600E+01   16 .3600E+01
17 .3600E+01   18 .3600E+01   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .3600E+01   10 .3600E+01   11 .3600E+01   12 .3600E+01   13 .3600E+01
14 .3600E+01   15 .3600E+01   16 .3600E+01
17 .3600E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .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   HOUR   SCALAR
 -
- -
                                              DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .3600E+01
    9 .3600E+01   10 .3600E+01   11 .3600E+01   12 .3600E+01   13 .3600E+01
14 .3600E+01   15 .3600E+01   16 .3600E+01
   17 .3600E+01   18 .3600E+01   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .3600E+01   10 .3600E+01   11 .3600E+01   12 .3600E+01   13 .3600E+01
14 .3600E+01   15 .3600E+01   16 .3600E+01
   17 .3600E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   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 = 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	.3600E+01
9	.3600E+01	10	.3600E+01	11	.3600E+01	12	.3600E+01	13	.3600E+01	14	.3600E+01	15	.3600E+01	16	.3600E+01
17	.3600E+01	18	.3600E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.3600E+01	10	.3600E+01	11	.3600E+01	12	.3600E+01	13	.3600E+01	14	.3600E+01	15	.3600E+01	16	.3600E+01
17	.3600E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
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	.3600E+01
9	.3600E+01	10	.3600E+01	11	.3600E+01	12	.3600E+01	13	.3600E+01						

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14  .3600E+01   15  .3600E+01   16  .3600E+01
   17  .3600E+01   18  .3600E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .3600E+01   10  .3600E+01   11  .3600E+01   12  .3600E+01   13  .3600E+01
14  .3600E+01   15  .3600E+01   16  .3600E+01
   17  .3600E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   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 = 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  .3600E+01
    9  .3600E+01   10  .3600E+01   11  .3600E+01   12  .3600E+01   13  .3600E+01
14  .3600E+01   15  .3600E+01   16  .3600E+01
   17  .3600E+01   18  .3600E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .3600E+01   10  .3600E+01   11  .3600E+01   12  .3600E+01   13  .3600E+01
14  .3600E+01   15  .3600E+01   16  .3600E+01
   17  .3600E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
```

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   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
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .3600E+01
    9 .3600E+01   10 .3600E+01   11 .3600E+01   12 .3600E+01   13 .3600E+01
14 .3600E+01   15 .3600E+01   16 .3600E+01
   17 .3600E+01   18 .3600E+01   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .3600E+01   10 .3600E+01   11 .3600E+01   12 .3600E+01   13 .3600E+01
14 .3600E+01   15 .3600E+01   16 .3600E+01
   17 .3600E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   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 = 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	.3600E+01
9	.3600E+01	10	.3600E+01	11	.3600E+01	12	.3600E+01	13	.3600E+01	14	.3600E+01	15	.3600E+01	16	.3600E+01
17	.3600E+01	18	.3600E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.3600E+01	10	.3600E+01	11	.3600E+01	12	.3600E+01	13	.3600E+01	14	.3600E+01	15	.3600E+01	16	.3600E+01
17	.3600E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
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

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6  .0000E+00    7  .0000E+00    8  .3600E+01
    9  .3600E+01   10  .3600E+01   11  .3600E+01   12  .3600E+01   13  .3600E+01
14  .3600E+01   15  .3600E+01   16  .3600E+01
   17  .3600E+01   18  .3600E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .3600E+01   10  .3600E+01   11  .3600E+01   12  .3600E+01   13  .3600E+01
14  .3600E+01   15  .3600E+01   16  .3600E+01
   17  .3600E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   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 = 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  .3600E+01
    9  .3600E+01   10  .3600E+01   11  .3600E+01   12  .3600E+01   13  .3600E+01
14  .3600E+01   15  .3600E+01   16  .3600E+01
   17  .3600E+01   18  .3600E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .3600E+01   10  .3600E+01   11  .3600E+01   12  .3600E+01   13  .3600E+01
14  .3600E+01   15  .3600E+01   16  .3600E+01
   17  .3600E+01   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 = 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 .3600E+01
    9 .3600E+01   10 .3600E+01   11 .3600E+01   12 .3600E+01   13 .3600E+01
14 .3600E+01   15 .3600E+01   16 .3600E+01
   17 .3600E+01   18 .3600E+01   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .3600E+01   10 .3600E+01   11 .3600E+01   12 .3600E+01   13 .3600E+01
14 .3600E+01   15 .3600E+01   16 .3600E+01
   17 .3600E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   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 .3600E+01
    9 .3600E+01   10 .3600E+01   11 .3600E+01   12 .3600E+01   13 .3600E+01   14 .3600E+01   15 .3600E+01   16 .3600E+01
   17 .3600E+01   18 .3600E+01   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .3600E+01   10 .3600E+01   11 .3600E+01   12 .3600E+01   13 .3600E+01   14 .3600E+01   15 .3600E+01   16 .3600E+01
   17 .3600E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   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 = L0000020   ; 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 = 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 .3600E+01
    9 .3600E+01   10 .3600E+01   11 .3600E+01   12 .3600E+01   13 .3600E+01
14 .3600E+01   15 .3600E+01   16 .3600E+01
   17 .3600E+01   18 .3600E+01   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .3600E+01   10 .3600E+01   11 .3600E+01   12 .3600E+01   13 .3600E+01
14 .3600E+01   15 .3600E+01   16 .3600E+01

                  * 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
 -

                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .3600E+01
    9 .3600E+01   10 .3600E+01   11 .3600E+01   12 .3600E+01   13 .3600E+01   14 .3600E+01   15 .3600E+01   16 .3600E+01
   17 .3600E+01   18 .3600E+01   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                    DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .3600E+01   10 .3600E+01   11 .3600E+01   12 .3600E+01   13 .3600E+01   14 .3600E+01   15 .3600E+01   16 .3600E+01
   17 .3600E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   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 = L0000024   ; 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 .3600E+01
9 .3600E+01 10 .3600E+01 11 .3600E+01 12 .3600E+01 13 .3600E+01
14 .3600E+01 15 .3600E+01 16 .3600E+01
17 .3600E+01 18 .3600E+01 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .3600E+01 10 .3600E+01 11 .3600E+01 12 .3600E+01 13 .3600E+01
14 .3600E+01 15 .3600E+01 16 .3600E+01
17 .3600E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
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 = 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 .3600E+01
9 .3600E+01 10 .3600E+01 11 .3600E+01 12 .3600E+01 13 .3600E+01
14 .3600E+01 15 .3600E+01 16 .3600E+01
17 .3600E+01 18 .3600E+01 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* 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 .3600E+01
9 .3600E+01 10 .3600E+01 11 .3600E+01 12 .3600E+01 13 .3600E+01
14 .3600E+01 15 .3600E+01 16 .3600E+01
17 .3600E+01 18 .3600E+01 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .3600E+01 10 .3600E+01 11 .3600E+01 12 .3600E+01 13 .3600E+01
14 .3600E+01 15 .3600E+01 16 .3600E+01
17 .3600E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
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 = 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	.3600E+01
9	.3600E+01	10	.3600E+01	11	.3600E+01	12	.3600E+01	13	.3600E+01	14	.3600E+01	15	.3600E+01	16	.3600E+01
17	.3600E+01	18	.3600E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.3600E+01	10	.3600E+01	11	.3600E+01	12	.3600E+01	13	.3600E+01	14	.3600E+01	15	.3600E+01	16	.3600E+01
17	.3600E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
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 = 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  .3600E+01
    9  .3600E+01   10  .3600E+01   11  .3600E+01   12  .3600E+01   13  .3600E+01
14  .3600E+01   15  .3600E+01   16  .3600E+01
   17  .3600E+01   18  .3600E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .3600E+01   10  .3600E+01   11  .3600E+01   12  .3600E+01   13  .3600E+01
14  .3600E+01   15  .3600E+01   16  .3600E+01
   17  .3600E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   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 21112  ***   ***
C:\Users\apoll\Desktop\HARP2\HARP\Derby\Derby HRA\Derby HRA.isc      ***
11/15/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:03:45

                                 PAGE  34
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                  * 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  .3600E+01
    9  .3600E+01   10  .3600E+01   11  .3600E+01   12  .3600E+01   13  .3600E+01
14  .3600E+01   15  .3600E+01   16  .3600E+01
   17  .3600E+01   18  .3600E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .3600E+01   10  .3600E+01   11  .3600E+01   12  .3600E+01   13  .3600E+01
14  .3600E+01   15  .3600E+01   16  .3600E+01
   17  .3600E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   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 21112  ***   ***
C:\Users\apoll\Desktop\HARP2\HARP\Derby\Derby HRA\Derby HRA.isc      ***
11/15/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:03:45

                                  PAGE  35
 *** 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  .3600E+01
    9  .3600E+01   10  .3600E+01   11  .3600E+01   12  .3600E+01   13  .3600E+01
14  .3600E+01   15  .3600E+01   16  .3600E+01
   17  .3600E+01   18  .3600E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .3600E+01   10  .3600E+01   11  .3600E+01   12  .3600E+01   13  .3600E+01
14  .3600E+01   15  .3600E+01   16  .3600E+01
   17  .3600E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   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 21112 ***   ***
C:\Users\apoll\Desktop\HARP2\HARP\Derby\Derby HRA\Derby HRA.isc   ***
11/15/22
 *** AERMET - VERSION 16216 ***   ***
                        ***   09:03:45

                                  PAGE 36
 *** 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 .3600E+01
    9 .3600E+01   10 .3600E+01   11 .3600E+01   12 .3600E+01   13 .3600E+01
14 .3600E+01   15 .3600E+01   16 .3600E+01
   17 .3600E+01   18 .3600E+01   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .3600E+01   10 .3600E+01   11 .3600E+01   12 .3600E+01   13 .3600E+01
14 .3600E+01   15 .3600E+01   16 .3600E+01
   17 .3600E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   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 21112 ***   ***
C:\Users\apoll\Desktop\HARP2\HARP\Derby\Derby HRA\Derby HRA.isc   ***
11/15/22
 *** AERMET - VERSION 16216 ***   ***
                        ***   09:03:45

                                  PAGE 37
 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                   * 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  .3600E+01
    9  .3600E+01   10  .3600E+01   11  .3600E+01   12  .3600E+01   13  .3600E+01
14  .3600E+01   15  .3600E+01   16  .3600E+01
   17  .3600E+01   18  .3600E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .3600E+01   10  .3600E+01   11  .3600E+01   12  .3600E+01   13  .3600E+01
14  .3600E+01   15  .3600E+01   16  .3600E+01
   17  .3600E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   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 21112  ***   ***
C:\Users\apoll\Desktop\HARP2\HARP\Derby\Derby HRA\Derby HRA.isc      ***
11/15/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:03:45

                                  PAGE  38
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * 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  .3600E+01
    9  .3600E+01   10  .3600E+01   11  .3600E+01   12  .3600E+01   13  .3600E+01
14  .3600E+01   15  .3600E+01   16  .3600E+01
   17  .3600E+01   18  .3600E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
```

22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .3600E+01   10 .3600E+01   11 .3600E+01   12 .3600E+01   13 .3600E+01
14 .3600E+01   15 .3600E+01   16 .3600E+01
17 .3600E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
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 = 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 .3600E+01
9 .3600E+01   10 .3600E+01   11 .3600E+01   12 .3600E+01   13 .3600E+01
14 .3600E+01   15 .3600E+01   16 .3600E+01
17 .3600E+01   18 .3600E+01   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .3600E+01   10 .3600E+01   11 .3600E+01   12 .3600E+01   13 .3600E+01
14 .3600E+01   15 .3600E+01   16 .3600E+01
17 .3600E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00

                   * 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 .3600E+01
    9 .3600E+01   10 .3600E+01   11 .3600E+01   12 .3600E+01   13 .3600E+01
14 .3600E+01   15 .3600E+01   16 .3600E+01
   17 .3600E+01   18 .3600E+01   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .3600E+01   10 .3600E+01   11 .3600E+01   12 .3600E+01   13 .3600E+01
14 .3600E+01   15 .3600E+01   16 .3600E+01
   17 .3600E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   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 = 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 .3600E+01
    9 .3600E+01   10 .3600E+01   11 .3600E+01   12 .3600E+01   13 .3600E+01
14 .3600E+01   15 .3600E+01   16 .3600E+01
   17 .3600E+01   18 .3600E+01   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .3600E+01   10 .3600E+01   11 .3600E+01   12 .3600E+01   13 .3600E+01
14 .3600E+01   15 .3600E+01   16 .3600E+01
   17 .3600E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   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 21112 ***   ***
C:\Users\apoll\Desktop\HARP2\HARP\Derby\Derby HRA\Derby HRA.isc   ***
11/15/22
 *** AERMET - VERSION 16216 ***   ***
                      ***   09:03:45

                                PAGE 42
 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                    * 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 .3600E+01
    9 .3600E+01   10 .3600E+01   11 .3600E+01   12 .3600E+01   13 .3600E+01

14 .3600E+01   15 .3600E+01   16 .3600E+01
   17 .3600E+01   18 .3600E+01   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .3600E+01   10 .3600E+01   11 .3600E+01   12 .3600E+01   13 .3600E+01
14 .3600E+01   15 .3600E+01   16 .3600E+01
   17 .3600E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   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 = 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 .3600E+01
    9 .3600E+01   10 .3600E+01   11 .3600E+01   12 .3600E+01   13 .3600E+01
14 .3600E+01   15 .3600E+01   16 .3600E+01
   17 .3600E+01   18 .3600E+01   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .3600E+01   10 .3600E+01   11 .3600E+01   12 .3600E+01   13 .3600E+01
14 .3600E+01   15 .3600E+01   16 .3600E+01
   17 .3600E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   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 = 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 .3600E+01
    9 .3600E+01   10 .3600E+01   11 .3600E+01   12 .3600E+01   13 .3600E+01
14 .3600E+01   15 .3600E+01   16 .3600E+01
   17 .3600E+01   18 .3600E+01   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .3600E+01   10 .3600E+01   11 .3600E+01   12 .3600E+01   13 .3600E+01
14 .3600E+01   15 .3600E+01   16 .3600E+01
   17 .3600E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   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 = 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	.3600E+01
9	.3600E+01	10	.3600E+01	11	.3600E+01	12	.3600E+01	13	.3600E+01	14	.3600E+01	15	.3600E+01	16	.3600E+01
17	.3600E+01	18	.3600E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.3600E+01	10	.3600E+01	11	.3600E+01	12	.3600E+01	13	.3600E+01	14	.3600E+01	15	.3600E+01	16	.3600E+01
17	.3600E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
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 = 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

* 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 .3600E+01
9 .3600E+01 10 .3600E+01 11 .3600E+01 12 .3600E+01 13 .3600E+01
14 .3600E+01 15 .3600E+01 16 .3600E+01
17 .3600E+01 18 .3600E+01 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .3600E+01 10 .3600E+01 11 .3600E+01 12 .3600E+01 13 .3600E+01
14 .3600E+01 15 .3600E+01 16 .3600E+01
17 .3600E+01 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 = 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 .3600E+01
    9 .3600E+01   10 .3600E+01   11 .3600E+01   12 .3600E+01   13 .3600E+01
14 .3600E+01   15 .3600E+01   16 .3600E+01
   17 .3600E+01   18 .3600E+01   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .3600E+01   10 .3600E+01   11 .3600E+01   12 .3600E+01   13 .3600E+01
14 .3600E+01   15 .3600E+01   16 .3600E+01
   17 .3600E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   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 = 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 .3600E+01
    9 .3600E+01   10 .3600E+01   11 .3600E+01   12 .3600E+01   13 .3600E+01   14 .3600E+01   15 .3600E+01   16 .3600E+01
   17 .3600E+01   18 .3600E+01   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .3600E+01   10 .3600E+01   11 .3600E+01   12 .3600E+01   13 .3600E+01   14 .3600E+01   15 .3600E+01   16 .3600E+01
   17 .3600E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   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 = L0000045   ; 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 = 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 .3600E+01
    9 .3600E+01   10 .3600E+01   11 .3600E+01   12 .3600E+01   13 .3600E+01
14 .3600E+01   15 .3600E+01   16 .3600E+01
   17 .3600E+01   18 .3600E+01   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .3600E+01   10 .3600E+01   11 .3600E+01   12 .3600E+01   13 .3600E+01
14 .3600E+01   15 .3600E+01   16 .3600E+01

                  * 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
 -

                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .3600E+01
    9 .3600E+01   10 .3600E+01   11 .3600E+01   12 .3600E+01   13 .3600E+01   14 .3600E+01   15 .3600E+01   16 .3600E+01
   17 .3600E+01   18 .3600E+01   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                  DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .3600E+01   10 .3600E+01   11 .3600E+01   12 .3600E+01   13 .3600E+01   14 .3600E+01   15 .3600E+01   16 .3600E+01
   17 .3600E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                  DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   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

- -
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .3600E+01
9 .3600E+01 10 .3600E+01 11 .3600E+01 12 .3600E+01 13 .3600E+01
14 .3600E+01 15 .3600E+01 16 .3600E+01
17 .3600E+01 18 .3600E+01 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .3600E+01 10 .3600E+01 11 .3600E+01 12 .3600E+01 13 .3600E+01
14 .3600E+01 15 .3600E+01 16 .3600E+01
17 .3600E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
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 = 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 .3600E+01
9 .3600E+01 10 .3600E+01 11 .3600E+01 12 .3600E+01 13 .3600E+01
14 .3600E+01 15 .3600E+01 16 .3600E+01
17 .3600E+01 18 .3600E+01 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .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 .3600E+01
9 .3600E+01 10 .3600E+01 11 .3600E+01 12 .3600E+01 13 .3600E+01
14 .3600E+01 15 .3600E+01 16 .3600E+01
17 .3600E+01 18 .3600E+01 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .3600E+01 10 .3600E+01 11 .3600E+01 12 .3600E+01 13 .3600E+01
14 .3600E+01 15 .3600E+01 16 .3600E+01
17 .3600E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
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 = 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	.3600E+01
9	.3600E+01	10	.3600E+01	11	.3600E+01	12	.3600E+01	13	.3600E+01	14	.3600E+01	15	.3600E+01	16	.3600E+01
17	.3600E+01	18	.3600E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.3600E+01	10	.3600E+01	11	.3600E+01	12	.3600E+01	13	.3600E+01	14	.3600E+01	15	.3600E+01	16	.3600E+01
17	.3600E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
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 = 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  .3600E+01
    9  .3600E+01   10  .3600E+01   11  .3600E+01   12  .3600E+01   13  .3600E+01
14  .3600E+01   15  .3600E+01   16  .3600E+01
   17  .3600E+01   18  .3600E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .3600E+01   10  .3600E+01   11  .3600E+01   12  .3600E+01   13  .3600E+01
14  .3600E+01   15  .3600E+01   16  .3600E+01
   17  .3600E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   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 21112  ***   ***
C:\Users\apoll\Desktop\HARP2\HARP\Derby\Derby HRA\Derby HRA.isc      ***
11/15/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:03:45

                                 PAGE  59
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                  * 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  .3600E+01
    9  .3600E+01   10  .3600E+01   11  .3600E+01   12  .3600E+01   13  .3600E+01
14  .3600E+01   15  .3600E+01   16  .3600E+01
   17  .3600E+01   18  .3600E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .3600E+01   10  .3600E+01   11  .3600E+01   12  .3600E+01   13  .3600E+01
14  .3600E+01   15  .3600E+01   16  .3600E+01
   17  .3600E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   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 21112  ***   ***
C:\Users\apoll\Desktop\HARP2\HARP\Derby\Derby HRA\Derby HRA.isc      ***
11/15/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:03:45

                                  PAGE  60
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * 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  .3600E+01
    9  .3600E+01   10  .3600E+01   11  .3600E+01   12  .3600E+01   13  .3600E+01
14  .3600E+01   15  .3600E+01   16  .3600E+01
   17  .3600E+01   18  .3600E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .3600E+01   10  .3600E+01   11  .3600E+01   12  .3600E+01   13  .3600E+01
14  .3600E+01   15  .3600E+01   16  .3600E+01
   17  .3600E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
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 = 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 .3600E+01
    9 .3600E+01   10 .3600E+01   11 .3600E+01   12 .3600E+01   13 .3600E+01
14 .3600E+01   15 .3600E+01   16 .3600E+01
   17 .3600E+01   18 .3600E+01   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .3600E+01   10 .3600E+01   11 .3600E+01   12 .3600E+01   13 .3600E+01
14 .3600E+01   15 .3600E+01   16 .3600E+01
   17 .3600E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   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 = 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  .3600E+01
    9  .3600E+01   10  .3600E+01   11  .3600E+01   12  .3600E+01   13  .3600E+01
14  .3600E+01   15  .3600E+01   16  .3600E+01
   17  .3600E+01   18  .3600E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .3600E+01   10  .3600E+01   11  .3600E+01   12  .3600E+01   13  .3600E+01
14  .3600E+01   15  .3600E+01   16  .3600E+01
   17  .3600E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   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 21112  ***   ***
C:\Users\apoll\Desktop\HARP2\HARP\Derby\Derby HRA\Derby HRA.isc      ***
11/15/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:03:45

                                  PAGE  63
 *** 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  .3600E+01
    9  .3600E+01   10  .3600E+01   11  .3600E+01   12  .3600E+01   13  .3600E+01
14  .3600E+01   15  .3600E+01   16  .3600E+01
   17  .3600E+01   18  .3600E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
```

22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .3600E+01   10 .3600E+01   11 .3600E+01   12 .3600E+01   13 .3600E+01
14 .3600E+01   15 .3600E+01   16 .3600E+01
17 .3600E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
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	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .3600E+01
9 .3600E+01   10 .3600E+01   11 .3600E+01   12 .3600E+01   13 .3600E+01
14 .3600E+01   15 .3600E+01   16 .3600E+01
17 .3600E+01   18 .3600E+01   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .3600E+01   10 .3600E+01   11 .3600E+01   12 .3600E+01   13 .3600E+01
14 .3600E+01   15 .3600E+01   16 .3600E+01
17 .3600E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00

14 .0000E+00   15 .0000E+00   16 .0000E+00
   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   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .3600E+01
    9 .3600E+01   10 .3600E+01   11 .3600E+01   12 .3600E+01   13 .3600E+01
14 .3600E+01   15 .3600E+01   16 .3600E+01
   17 .3600E+01   18 .3600E+01   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .3600E+01   10 .3600E+01   11 .3600E+01   12 .3600E+01   13 .3600E+01
14 .3600E+01   15 .3600E+01   16 .3600E+01
   17 .3600E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   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 .3600E+01
    9 .3600E+01   10 .3600E+01   11 .3600E+01   12 .3600E+01   13 .3600E+01
14 .3600E+01   15 .3600E+01   16 .3600E+01
   17 .3600E+01   18 .3600E+01   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .3600E+01   10 .3600E+01   11 .3600E+01   12 .3600E+01   13 .3600E+01
14 .3600E+01   15 .3600E+01   16 .3600E+01
   17 .3600E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   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 .3600E+01
    9 .3600E+01   10 .3600E+01   11 .3600E+01   12 .3600E+01   13 .3600E+01

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   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
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .3600E+01
    9 .3600E+01   10 .3600E+01   11 .3600E+01   12 .3600E+01   13 .3600E+01
14 .3600E+01   15 .3600E+01   16 .3600E+01
   17 .3600E+01   18 .3600E+01   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .3600E+01   10 .3600E+01   11 .3600E+01   12 .3600E+01   13 .3600E+01
14 .3600E+01   15 .3600E+01   16 .3600E+01
   17 .3600E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   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	.3600E+01
9	.3600E+01	10	.3600E+01	11	.3600E+01	12	.3600E+01	13	.3600E+01	14	.3600E+01	15	.3600E+01	16	.3600E+01
17	.3600E+01	18	.3600E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.3600E+01	10	.3600E+01	11	.3600E+01	12	.3600E+01	13	.3600E+01	14	.3600E+01	15	.3600E+01	16	.3600E+01
17	.3600E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
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

* 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 .3600E+01
9 .3600E+01 10 .3600E+01 11 .3600E+01 12 .3600E+01 13 .3600E+01
14 .3600E+01 15 .3600E+01 16 .3600E+01
17 .3600E+01 18 .3600E+01 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .3600E+01 10 .3600E+01 11 .3600E+01 12 .3600E+01 13 .3600E+01
14 .3600E+01 15 .3600E+01 16 .3600E+01
17 .3600E+01 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 .3600E+01
    9 .3600E+01   10 .3600E+01   11 .3600E+01   12 .3600E+01   13 .3600E+01
14 .3600E+01   15 .3600E+01   16 .3600E+01
   17 .3600E+01   18 .3600E+01   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .3600E+01   10 .3600E+01   11 .3600E+01   12 .3600E+01   13 .3600E+01
14 .3600E+01   15 .3600E+01   16 .3600E+01
   17 .3600E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   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 = 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 .3600E+01
    9 .3600E+01   10 .3600E+01   11 .3600E+01   12 .3600E+01   13 .3600E+01   14 .3600E+01   15 .3600E+01   16 .3600E+01
   17 .3600E+01   18 .3600E+01   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .3600E+01   10 .3600E+01   11 .3600E+01   12 .3600E+01   13 .3600E+01   14 .3600E+01   15 .3600E+01   16 .3600E+01
   17 .3600E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   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 21112 ***   ***
C:\Users\apoll\Desktop\HARP2\HARP\Derby\Derby HRA\Derby HRA.isc   ***
11/15/22
 *** AERMET - VERSION 16216 ***   ***
                       ***   09:03:45

 *** 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
 -

                   * 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 .3600E+01
    9 .3600E+01   10 .3600E+01   11 .3600E+01   12 .3600E+01   13 .3600E+01
14 .3600E+01   15 .3600E+01   16 .3600E+01
   17 .3600E+01   18 .3600E+01   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .3600E+01   10 .3600E+01   11 .3600E+01   12 .3600E+01   13 .3600E+01
14 .3600E+01   15 .3600E+01   16 .3600E+01

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(404922.9, 3777586.4, 140.1, 1875.6, 0.0); (404942.9, 3777586.4, 140.4, 1875.6, 0.0);
(404962.9, 3777586.4, 140.3, 1875.6, 0.0); (404982.9, 3777586.4, 140.2, 1875.6, 0.0);
(405002.9, 3777586.4, 140.1, 1875.6, 0.0); (405022.9, 3777586.4, 140.0, 1875.6, 0.0);
(405042.9, 3777586.4, 140.0, 1875.6, 0.0); (405062.9, 3777586.4, 139.9, 1875.6, 0.0);
(405082.9, 3777586.4, 139.8, 1875.6, 0.0); (405102.9, 3777586.4, 139.8, 1875.6, 0.0);
(405122.9, 3777586.4, 139.8, 1875.6, 0.0); (405142.9, 3777586.4, 139.6, 1875.6, 0.0);
(405162.9, 3777586.4, 139.7, 1875.6, 0.0); (405182.9, 3777586.4, 139.6, 1875.6, 0.0);
(405202.9, 3777586.4, 139.4, 1875.6, 0.0); (405222.9, 3777586.4, 139.5, 1875.6, 0.0);
(405242.9, 3777586.4, 139.6, 1875.6, 0.0); (405262.9, 3777586.4, 139.6, 1875.6, 0.0);
(405282.9, 3777586.4, 139.5, 1875.6, 0.0); (405302.9, 3777586.4, 139.5, 1875.6, 0.0);
(405322.9, 3777586.4, 139.7, 1875.6, 0.0); (405342.9, 3777586.4, 139.7, 1875.6, 0.0);
(405362.9, 3777586.4, 139.9, 1875.6, 0.0); (405382.9, 3777586.4, 140.1, 1875.6, 0.0);
(405402.9, 3777586.4, 140.2, 1875.6, 0.0); (405422.9, 3777586.4, 140.2, 1875.6, 0.0);
(405442.9, 3777586.4, 140.3, 1875.6, 0.0); (405462.9, 3777586.4, 140.4, 1875.6, 0.0);
(405482.9, 3777586.4, 140.2, 1875.6, 0.0); (405502.9, 3777586.4, 140.4, 1875.6, 0.0);
(405522.9, 3777586.4, 140.6, 1875.6, 0.0); (405542.9, 3777586.4, 140.5, 1875.6, 0.0);
(405562.9, 3777586.4, 140.4, 1875.6, 0.0); (405582.9, 3777586.4, 140.3, 1875.6, 0.0);
(405602.9, 3777586.4, 140.1, 1875.6, 0.0); (405622.9, 3777586.4, 139.7, 1875.6, 0.0);
(405642.9, 3777586.4, 139.5, 1875.6, 0.0); (405662.9, 3777586.4, 139.6, 1875.6, 0.0);
(405682.9, 3777586.4, 139.5, 1875.6, 0.0); (405702.9, 3777586.4, 139.4, 1875.6, 0.0);

```
     ( 405722.9, 3777586.4,     139.4,    1875.6,       0.0);         ( 405742.9,
3777586.4,     139.3,    1875.6,       0.0);
     ( 405762.9, 3777586.4,     139.2,    1875.6,       0.0);         ( 405782.9,
3777586.4,     139.2,    1875.6,       0.0);
     ( 405802.9, 3777586.4,     138.9,    1875.6,       0.0);         ( 405822.9,
3777586.4,     138.6,    1875.6,       0.0);
     ( 405842.9, 3777586.4,     138.6,    1875.6,       0.0);         ( 405862.9,
3777586.4,     138.4,    1875.6,       0.0);
     ( 405882.9, 3777586.4,     138.4,    1875.6,       0.0);         ( 405902.9,
3777586.4,     138.3,    1875.6,       0.0);
     ( 405922.9, 3777586.4,     138.3,    1875.6,       0.0);         ( 405942.9,
3777586.4,     138.3,    1875.6,       0.0);
     ( 405962.9, 3777586.4,     138.2,    1875.6,       0.0);         ( 405982.9,
3777586.4,     138.2,    1875.6,       0.0);
     ( 406002.9, 3777586.4,     138.1,    1875.6,       0.0);         ( 406022.9,
3777586.4,     138.1,    1875.6,       0.0);
     ( 406042.9, 3777586.4,     137.9,    1875.6,       0.0);         ( 406062.9,
3777586.4,     137.7,    1875.6,       0.0);
     ( 406082.9, 3777586.4,     137.4,    1875.6,       0.0);         ( 406102.9,
3777586.4,     137.2,    1875.6,       0.0);
     ( 406122.9, 3777586.4,     137.0,    1875.6,       0.0);         ( 406142.9,
3777586.4,     137.0,    1875.6,       0.0);
     ( 406162.9, 3777586.4,     136.9,    1875.6,       0.0);         ( 406182.9,
3777586.4,     136.8,    1875.6,       0.0);
     ( 404922.9, 3777606.4,     140.3,    1875.6,       0.0);         ( 404942.9,
3777606.4,     140.4,    1875.6,       0.0);
     ( 404962.9, 3777606.4,     140.5,    1875.6,       0.0);         ( 404982.9,
3777606.4,     140.5,    1875.6,       0.0);
     ( 405002.9, 3777606.4,     140.4,    1875.6,       0.0);         ( 405022.9,
3777606.4,     140.3,    1875.6,       0.0);
     ( 405042.9, 3777606.4,     140.2,    1875.6,       0.0);         ( 405062.9,
3777606.4,     140.2,    1875.6,       0.0);
     ( 405082.9, 3777606.4,     140.1,    1875.6,       0.0);         ( 405102.9,
3777606.4,     140.0,    1875.6,       0.0);
     ( 405122.9, 3777606.4,     140.0,    1875.6,       0.0);         ( 405142.9,
3777606.4,     139.9,    1875.6,       0.0);
     ( 405162.9, 3777606.4,     139.8,    1875.6,       0.0);         ( 405182.9,
3777606.4,     139.8,    1875.6,       0.0);
     ( 405202.9, 3777606.4,     139.7,    1875.6,       0.0);         ( 405222.9,
3777606.4,     139.7,    1875.6,       0.0);
     ( 405242.9, 3777606.4,     139.7,    1875.6,       0.0);         ( 405262.9,
3777606.4,     139.7,    1875.6,       0.0);
     ( 405282.9, 3777606.4,     139.7,    1875.6,       0.0);         ( 405302.9,
3777606.4,     139.8,    1875.6,       0.0);
     ( 405322.9, 3777606.4,     139.8,    1875.6,       0.0);         ( 405342.9,
3777606.4,     139.9,    1875.6,       0.0);
     ( 405362.9, 3777606.4,     140.1,    1875.6,       0.0);         ( 405382.9,
3777606.4,     140.2,    1875.6,       0.0);
     ( 405402.9, 3777606.4,     140.3,    1875.6,       0.0);         ( 405422.9,
3777606.4,     140.4,    1875.6,       0.0);
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(405442.9, 3777606.4, 140.5, 1875.6, 0.0); (405462.9, 3777606.4, 140.5, 1875.6, 0.0);
(405482.9, 3777606.4, 140.4, 1875.6, 0.0); (405502.9, 3777606.4, 140.6, 1875.6, 0.0);
(405522.9, 3777606.4, 140.6, 1875.6, 0.0); (405542.9, 3777606.4, 140.6, 1875.6, 0.0);
(405562.9, 3777606.4, 140.7, 1875.6, 0.0); (405582.9, 3777606.4, 140.6, 1875.6, 0.0);
(405602.9, 3777606.4, 140.4, 1875.6, 0.0); (405622.9, 3777606.4, 140.0, 1875.6, 0.0);
(405642.9, 3777606.4, 139.9, 1875.6, 0.0); (405662.9, 3777606.4, 140.1, 1875.6, 0.0);
(405682.9, 3777606.4, 140.1, 1875.6, 0.0); (405702.9, 3777606.4, 139.8, 1875.6, 0.0);
(405722.9, 3777606.4, 139.6, 1875.6, 0.0); (405742.9, 3777606.4, 139.5, 1875.6, 0.0);
(405762.9, 3777606.4, 139.4, 1875.6, 0.0); (405782.9, 3777606.4, 139.4, 1875.6, 0.0);
(405802.9, 3777606.4, 139.1, 1875.6, 0.0); (405822.9, 3777606.4, 138.9, 1875.6, 0.0);
(405842.9, 3777606.4, 138.7, 1875.6, 0.0); (405862.9, 3777606.4, 138.6, 1875.6, 0.0);
(405882.9, 3777606.4, 138.7, 1875.6, 0.0); (405902.9, 3777606.4, 138.6, 1875.6, 0.0);
(405922.9, 3777606.4, 138.5, 1875.6, 0.0); (405942.9, 3777606.4, 138.6, 1875.6, 0.0);
(405962.9, 3777606.4, 138.5, 1875.6, 0.0); (405982.9, 3777606.4, 138.4, 1875.6, 0.0);
(406002.9, 3777606.4, 138.4, 1875.6, 0.0); (406022.9, 3777606.4, 138.4, 1875.6, 0.0);
(406042.9, 3777606.4, 138.2, 1875.6, 0.0); (406062.9, 3777606.4, 137.9, 1875.6, 0.0);
(406082.9, 3777606.4, 137.7, 1875.6, 0.0); (406102.9, 3777606.4, 137.5, 1875.6, 0.0);
(406122.9, 3777606.4, 137.3, 1875.6, 0.0); (406142.9, 3777606.4, 137.2, 1875.6, 0.0);
(406162.9, 3777606.4, 137.2, 1875.6, 0.0); (406182.9,

3777606.4,   137.1,   1875.6,   0.0);
     (404922.9, 3777626.4,   140.4,   1875.6,   0.0);   (404942.9,
3777626.4,   140.2,   1875.6,   0.0);
     (404962.9, 3777626.4,   140.3,   1875.6,   0.0);   (404982.9,
3777626.4,   140.6,   1875.6,   0.0);
     (405002.9, 3777626.4,   140.6,   1875.6,   0.0);   (405022.9,
3777626.4,   140.5,   1875.6,   0.0);
     (405042.9, 3777626.4,   140.2,   1875.6,   0.0);   (405062.9,
3777626.4,   140.3,   1875.6,   0.0);
     (405082.9, 3777626.4,   140.4,   1875.6,   0.0);   (405102.9,
3777626.4,   140.3,   1875.6,   0.0);
     (405122.9, 3777626.4,   140.2,   1875.6,   0.0);   (405142.9,
3777626.4,   140.1,   1875.6,   0.0);
     (405162.9, 3777626.4,   140.0,   1875.6,   0.0);   (405182.9,
3777626.4,   140.0,   1875.6,   0.0);
     (405202.9, 3777626.4,   139.9,   1875.6,   0.0);   (405222.9,
3777626.4,   140.0,   1875.6,   0.0);
     (405242.9, 3777626.4,   140.0,   1875.6,   0.0);   (405262.9,
3777626.4,   139.8,   1875.6,   0.0);
     (405282.9, 3777626.4,   139.8,   1875.6,   0.0);   (405302.9,
3777626.4,   140.0,   1875.6,   0.0);
     (405322.9, 3777626.4,   139.9,   1875.6,   0.0);   (405342.9,
3777626.4,   140.2,   1875.6,   0.0);
     (405362.9, 3777626.4,   140.2,   1875.6,   0.0);   (405382.9,
3777626.4,   140.2,   1875.6,   0.0);
     (405402.9, 3777626.4,   140.5,   1875.6,   0.0);   (405422.9,
3777626.4,   140.7,   1875.6,   0.0);
     (405442.9, 3777626.4,   140.8,   1875.6,   0.0);   (405462.9,
3777626.4,   140.7,   1875.6,   0.0);
     (405482.9, 3777626.4,   140.6,   1875.6,   0.0);   (405502.9,
3777626.4,   140.8,   1875.6,   0.0);
     (405522.9, 3777626.4,   140.8,   1875.6,   0.0);   (405542.9,
3777626.4,   140.9,   1875.6,   0.0);
     (405562.9, 3777626.4,   140.9,   1875.6,   0.0);   (405582.9,
3777626.4,   140.8,   1875.6,   0.0);
     (405602.9, 3777626.4,   140.6,   1875.6,   0.0);   (405622.9,
3777626.4,   140.3,   1875.6,   0.0);
     (405642.9, 3777626.4,   140.2,   1875.6,   0.0);   (405662.9,
3777626.4,   140.3,   1875.6,   0.0);
     (405682.9, 3777626.4,   140.3,   1875.6,   0.0);   (405702.9,
3777626.4,   140.1,   1875.6,   0.0);
     (405722.9, 3777626.4,   139.9,   1875.6,   0.0);   (405742.9,
3777626.4,   139.8,   1875.6,   0.0);
     (405762.9, 3777626.4,   139.7,   1875.6,   0.0);   (405782.9,
3777626.4,   139.7,   1875.6,   0.0);
     (405802.9, 3777626.4,   139.4,   1875.6,   0.0);   (405822.9,
3777626.4,   139.2,   1875.6,   0.0);
     (405842.9, 3777626.4,   139.0,   1875.6,   0.0);   (405862.9,
3777626.4,   139.0,   1875.6,   0.0);
     (405882.9, 3777626.4,   139.0,   1875.6,   0.0);   (405902.9,

3777626.4,   138.8,   1875.6,   0.0);
     (405922.9, 3777626.4,   138.7,   1875.6,   0.0);   (405942.9,
3777626.4,   138.8,   1875.6,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                       (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)

     (405962.9, 3777626.4,   138.8,   1875.6,   0.0);   (405982.9,
3777626.4,   138.7,   1875.6,   0.0);
     (406002.9, 3777626.4,   138.6,   1875.6,   0.0);   (406022.9,
3777626.4,   138.5,   1875.6,   0.0);
     (406042.9, 3777626.4,   138.3,   1875.6,   0.0);   (406062.9,
3777626.4,   138.1,   1875.6,   0.0);
     (406082.9, 3777626.4,   137.9,   1875.6,   0.0);   (406102.9,
3777626.4,   137.7,   1875.6,   0.0);
     (406122.9, 3777626.4,   137.5,   1875.6,   0.0);   (406142.9,
3777626.4,   137.4,   1875.6,   0.0);
     (406162.9, 3777626.4,   137.3,   1875.6,   0.0);   (406182.9,
3777626.4,   137.3,   1875.6,   0.0);
     (404922.9, 3777646.4,   140.4,   1875.6,   0.0);   (404942.9,
3777646.4,   139.6,   1875.6,   0.0);
     (404962.9, 3777646.4,   139.7,   1875.6,   0.0);   (404982.9,
3777646.4,   140.5,   1875.6,   0.0);
     (405002.9, 3777646.4,   141.0,   1875.6,   0.0);   (405022.9,
3777646.4,   140.8,   1875.6,   0.0);
     (405042.9, 3777646.4,   139.5,   1875.6,   0.0);   (405062.9,
3777646.4,   140.4,   1875.6,   0.0);
     (405082.9, 3777646.4,   140.7,   1875.6,   0.0);   (405102.9,
3777646.4,   140.6,   1875.6,   0.0);
     (405122.9, 3777646.4,   140.4,   1875.6,   0.0);   (405142.9,
3777646.4,   140.2,   1875.6,   0.0);
     (405162.9, 3777646.4,   140.2,   1875.6,   0.0);   (405182.9,
3777646.4,   140.2,   1875.6,   0.0);
     (405202.9, 3777646.4,   140.2,   1875.6,   0.0);   (405222.9,
3777646.4,   140.4,   1875.6,   0.0);
     (405242.9, 3777646.4,   140.3,   1875.6,   0.0);   (405262.9,
3777646.4,   139.7,   1875.6,   0.0);
     (405282.9, 3777646.4,   139.5,   1875.6,   0.0);   (405302.9,
3777646.4,   140.3,   1875.6,   0.0);
     (405322.9, 3777646.4,   140.0,   1875.6,   0.0);   (405342.9,
3777646.4,   140.5,   1875.6,   0.0);

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     ( 405362.9, 3777646.4,     140.4,    1875.6,       0.0);         ( 405382.9,
3777646.4,     140.2,    1875.6,       0.0);
     ( 405402.9, 3777646.4,     140.8,    1875.6,       0.0);         ( 405422.9,
3777646.4,     141.1,    1875.6,       0.0);
     ( 405442.9, 3777646.4,     141.2,    1875.6,       0.0);         ( 405462.9,
3777646.4,     141.0,    1875.6,       0.0);
     ( 405482.9, 3777646.4,     140.8,    1875.6,       0.0);         ( 405502.9,
3777646.4,     141.1,    1875.6,       0.0);
     ( 405522.9, 3777646.4,     141.1,    1875.6,       0.0);         ( 405542.9,
3777646.4,     141.2,    1875.6,       0.0);
     ( 405562.9, 3777646.4,     141.2,    1875.6,       0.0);         ( 405582.9,
3777646.4,     141.0,    1875.6,       0.0);
     ( 405602.9, 3777646.4,     140.8,    1875.6,       0.0);         ( 405622.9,
3777646.4,     140.6,    1875.6,       0.0);
     ( 405642.9, 3777646.4,     140.4,    1875.6,       0.0);         ( 405662.9,
3777646.4,     140.4,    1875.6,       0.0);
     ( 405682.9, 3777646.4,     140.3,    1875.6,       0.0);         ( 405702.9,
3777646.4,     140.3,    1875.6,       0.0);
     ( 405722.9, 3777646.4,     140.2,    1875.6,       0.0);         ( 405742.9,
3777646.4,     140.1,    1875.6,       0.0);
     ( 405762.9, 3777646.4,     140.0,    1875.6,       0.0);         ( 405782.9,
3777646.4,     140.0,    1875.6,       0.0);
     ( 405802.9, 3777646.4,     139.7,    1875.6,       0.0);         ( 405822.9,
3777646.4,     139.4,    1875.6,       0.0);
     ( 405842.9, 3777646.4,     139.3,    1875.6,       0.0);         ( 405862.9,
3777646.4,     139.3,    1875.6,       0.0);
     ( 405882.9, 3777646.4,     139.2,    1875.6,       0.0);         ( 405902.9,
3777646.4,     139.1,    1875.6,       0.0);
     ( 405922.9, 3777646.4,     139.0,    1875.6,       0.0);         ( 405942.9,
3777646.4,     139.0,    1875.6,       0.0);
     ( 405962.9, 3777646.4,     139.1,    1875.6,       0.0);         ( 405982.9,
3777646.4,     139.1,    1875.6,       0.0);
     ( 406002.9, 3777646.4,     138.9,    1875.6,       0.0);         ( 406022.9,
3777646.4,     138.7,    1875.6,       0.0);
     ( 406042.9, 3777646.4,     138.4,    1875.6,       0.0);         ( 406062.9,
3777646.4,     138.3,    1875.6,       0.0);
     ( 406082.9, 3777646.4,     138.1,    1875.6,       0.0);         ( 406102.9,
3777646.4,     137.9,    1875.6,       0.0);
     ( 406122.9, 3777646.4,     137.7,    1875.6,       0.0);         ( 406142.9,
3777646.4,     137.6,    1875.6,       0.0);
     ( 406162.9, 3777646.4,     137.5,    1875.6,       0.0);         ( 406182.9,
3777646.4,     137.5,    1875.6,       0.0);
     ( 404922.9, 3777666.4,     140.7,    1875.6,       0.0);         ( 404942.9,
3777666.4,     140.2,    1875.6,       0.0);
     ( 404962.9, 3777666.4,     140.2,    1875.6,       0.0);         ( 404982.9,
3777666.4,     140.7,    1875.6,       0.0);
     ( 405002.9, 3777666.4,     141.0,    1875.6,       0.0);         ( 405022.9,
3777666.4,     140.8,    1875.6,       0.0);
     ( 405042.9, 3777666.4,     140.1,    1875.6,       0.0);         ( 405062.9,
3777666.4,     140.6,    1875.6,       0.0);
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(405082.9, 3777666.4, 140.8, 1875.6, 0.0); (405102.9, 3777666.4, 140.7, 1875.6, 0.0);
(405122.9, 3777666.4, 140.6, 1875.6, 0.0); (405142.9, 3777666.4, 140.5, 1875.6, 0.0);
(405162.9, 3777666.4, 140.5, 1875.6, 0.0); (405182.9, 3777666.4, 140.5, 1875.6, 0.0);

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(405202.9, 3777666.4, 140.5, 1875.6, 0.0); (405222.9, 3777666.4, 140.6, 1875.6, 0.0);
(405242.9, 3777666.4, 140.6, 1875.6, 0.0); (405262.9, 3777666.4, 140.4, 1875.6, 0.0);
(405282.9, 3777666.4, 140.3, 1875.6, 0.0); (405302.9, 3777666.4, 140.7, 1875.6, 0.0);
(405322.9, 3777666.4, 140.6, 1875.6, 0.0); (405342.9, 3777666.4, 140.8, 1875.6, 0.0);
(405362.9, 3777666.4, 140.8, 1875.6, 0.0); (405382.9, 3777666.4, 140.7, 1875.6, 0.0);
(405402.9, 3777666.4, 140.9, 1875.6, 0.0); (405422.9, 3777666.4, 141.0, 1875.6, 0.0);
(405442.9, 3777666.4, 141.0, 1875.6, 0.0); (405462.9, 3777666.4, 141.0, 1875.6, 0.0);
(405482.9, 3777666.4, 141.1, 1875.6, 0.0); (405502.9, 3777666.4, 141.4, 1875.6, 0.0);
(405522.9, 3777666.4, 141.5, 1875.6, 0.0); (405542.9, 3777666.4, 141.6, 1875.6, 0.0);
(405562.9, 3777666.4, 141.5, 1875.6, 0.0); (405582.9, 3777666.4, 141.2, 1875.6, 0.0);
(405602.9, 3777666.4, 141.0, 1875.6, 0.0); (405622.9, 3777666.4, 140.8, 1875.6, 0.0);
(405642.9, 3777666.4, 140.6, 1875.6, 0.0); (405662.9, 3777666.4, 140.6, 1875.6, 0.0);
(405682.9, 3777666.4, 140.6, 1875.6, 0.0); (405702.9, 3777666.4, 140.5, 1875.6, 0.0);
(405722.9, 3777666.4, 140.4, 1875.6, 0.0); (405742.9, 3777666.4, 140.2, 1875.6, 0.0);
(405762.9, 3777666.4, 140.0, 1875.6, 0.0); (405782.9, 3777666.4, 139.9, 1875.6, 0.0);
(405802.9, 3777666.4, 139.7, 1875.6, 0.0); (405822.9,

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3777666.4,     139.6,    1875.6,       0.0);
     ( 405842.9, 3777666.4,     139.5,    1875.6,       0.0);         ( 405862.9,
3777666.4,     139.4,    1875.6,       0.0);
     ( 405882.9, 3777666.4,     139.4,    1875.6,       0.0);         ( 405902.9,
3777666.4,     139.2,    1875.6,       0.0);
     ( 405922.9, 3777666.4,     139.2,    1875.6,       0.0);         ( 405942.9,
3777666.4,     139.3,    1875.6,       0.0);
     ( 405962.9, 3777666.4,     139.4,    1875.6,       0.0);         ( 405982.9,
3777666.4,     139.3,    1875.6,       0.0);
     ( 406002.9, 3777666.4,     139.1,    1875.6,       0.0);         ( 406022.9,
3777666.4,     138.9,    1875.6,       0.0);
     ( 406042.9, 3777666.4,     138.6,    1875.6,       0.0);         ( 406062.9,
3777666.4,     138.4,    1875.6,       0.0);
     ( 406082.9, 3777666.4,     138.3,    1875.6,       0.0);         ( 406102.9,
3777666.4,     138.1,    1875.6,       0.0);
     ( 406122.9, 3777666.4,     138.0,    1875.6,       0.0);         ( 406142.9,
3777666.4,     137.8,    1875.6,       0.0);
     ( 406162.9, 3777666.4,     137.8,    1875.6,       0.0);         ( 406182.9,
3777666.4,     137.8,    1875.6,       0.0);
     ( 404922.9, 3777686.4,     141.1,    1875.6,       0.0);         ( 404942.9,
3777686.4,     141.0,    1875.6,       0.0);
     ( 404962.9, 3777686.4,     141.0,    1875.6,       0.0);         ( 404982.9,
3777686.4,     141.0,    1875.6,       0.0);
     ( 405002.9, 3777686.4,     141.0,    1875.6,       0.0);         ( 405022.9,
3777686.4,     141.0,    1875.6,       0.0);
     ( 405042.9, 3777686.4,     140.9,    1875.6,       0.0);         ( 405062.9,
3777686.4,     140.9,    1875.6,       0.0);
     ( 405082.9, 3777686.4,     140.9,    1875.6,       0.0);         ( 405102.9,
3777686.4,     140.9,    1875.6,       0.0);
     ( 405122.9, 3777686.4,     140.9,    1875.6,       0.0);         ( 405142.9,
3777686.4,     140.9,    1875.6,       0.0);
     ( 405162.9, 3777686.4,     140.8,    1875.6,       0.0);         ( 405182.9,
3777686.4,     140.8,    1875.6,       0.0);
     ( 405202.9, 3777686.4,     140.7,    1875.6,       0.0);         ( 405222.9,
3777686.4,     140.9,    1875.6,       0.0);
     ( 405242.9, 3777686.4,     140.9,    1875.6,       0.0);         ( 405262.9,
3777686.4,     140.9,    1875.6,       0.0);
     ( 405282.9, 3777686.4,     140.9,    1875.6,       0.0);         ( 405302.9,
3777686.4,     140.8,    1875.6,       0.0);
     ( 405322.9, 3777686.4,     141.0,    1875.6,       0.0);         ( 405342.9,
3777686.4,     141.0,    1875.6,       0.0);
     ( 405362.9, 3777686.4,     141.1,    1875.6,       0.0);         ( 405382.9,
3777686.4,     141.1,    1875.6,       0.0);
     ( 405402.9, 3777686.4,     141.0,    1875.6,       0.0);         ( 405422.9,
3777686.4,     141.1,    1875.6,       0.0);
     ( 405442.9, 3777686.4,     141.2,    1875.6,       0.0);         ( 405462.9,
3777686.4,     141.2,    1875.6,       0.0);
     ( 405482.9, 3777686.4,     141.3,    1875.6,       0.0);         ( 405502.9,
3777686.4,     141.6,    1875.6,       0.0);
     ( 405522.9, 3777686.4,     141.7,    1875.6,       0.0);         ( 405542.9,
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3777686.4,   141.8,   1875.6,   0.0);
     (405562.9, 3777686.4,   141.8,   1875.6,   0.0);   (405582.9,
3777686.4,   141.5,   1875.6,   0.0);
     (405602.9, 3777686.4,   141.3,   1875.6,   0.0);   (405622.9,
3777686.4,   141.1,   1875.6,   0.0);
     (405642.9, 3777686.4,   141.0,   1875.6,   0.0);   (405662.9,
3777686.4,   141.1,   1875.6,   0.0);
     (405682.9, 3777686.4,   140.9,   1875.6,   0.0);   (405702.9,
3777686.4,   140.9,   1875.6,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                       (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)

     (405722.9, 3777686.4,   140.7,   1875.6,   0.0);   (405742.9,
3777686.4,   140.5,   1875.6,   0.0);
     (405762.9, 3777686.4,   140.3,   1875.6,   0.0);   (405782.9,
3777686.4,   140.2,   1875.6,   0.0);
     (405802.9, 3777686.4,   140.1,   1875.6,   0.0);   (405822.9,
3777686.4,   139.9,   1875.6,   0.0);
     (405842.9, 3777686.4,   139.7,   1875.6,   0.0);   (405862.9,
3777686.4,   139.7,   1875.6,   0.0);
     (405882.9, 3777686.4,   139.6,   1875.6,   0.0);   (405902.9,
3777686.4,   139.5,   1875.6,   0.0);
     (405922.9, 3777686.4,   139.5,   1875.6,   0.0);   (405942.9,
3777686.4,   139.6,   1875.6,   0.0);
     (405962.9, 3777686.4,   139.7,   1875.6,   0.0);   (405982.9,
3777686.4,   139.6,   1875.6,   0.0);
     (406002.9, 3777686.4,   139.4,   1875.6,   0.0);   (406022.9,
3777686.4,   139.2,   1875.6,   0.0);
     (406042.9, 3777686.4,   138.9,   1875.6,   0.0);   (406062.9,
3777686.4,   138.7,   1875.6,   0.0);
     (406082.9, 3777686.4,   138.5,   1875.6,   0.0);   (406102.9,
3777686.4,   138.4,   1875.6,   0.0);
     (406122.9, 3777686.4,   138.2,   1875.6,   0.0);   (406142.9,
3777686.4,   138.2,   1875.6,   0.0);
     (406162.9, 3777686.4,   138.2,   1875.6,   0.0);   (406182.9,
3777686.4,   138.1,   1875.6,   0.0);
     (404922.9, 3777706.4,   141.4,   1875.6,   0.0);   (404942.9,
3777706.4,   141.5,   1875.6,   0.0);
     (404962.9, 3777706.4,   141.5,   1875.6,   0.0);   (404982.9,
3777706.4,   141.5,   1875.6,   0.0);

```
     ( 405002.9, 3777706.4,     141.5,    1875.6,       0.0);         ( 405022.9,
3777706.4,     141.5,    1875.6,       0.0);
     ( 405042.9, 3777706.4,     141.5,    1875.6,       0.0);         ( 405062.9,
3777706.4,     141.3,    1875.6,       0.0);
     ( 405082.9, 3777706.4,     141.4,    1875.6,       0.0);         ( 405102.9,
3777706.4,     141.4,    1875.6,       0.0);
     ( 405122.9, 3777706.4,     141.4,    1875.6,       0.0);         ( 405142.9,
3777706.4,     141.5,    1875.6,       0.0);
     ( 405162.9, 3777706.4,     141.3,    1875.6,       0.0);         ( 405182.9,
3777706.4,     141.1,    1875.6,       0.0);
     ( 405202.9, 3777706.4,     141.0,    1875.6,       0.0);         ( 405222.9,
3777706.4,     141.3,    1875.6,       0.0);
     ( 405242.9, 3777706.4,     141.2,    1875.6,       0.0);         ( 405262.9,
3777706.4,     141.2,    1875.6,       0.0);
     ( 405282.9, 3777706.4,     140.9,    1875.6,       0.0);         ( 405302.9,
3777706.4,     140.6,    1875.6,       0.0);
     ( 405322.9, 3777706.4,     141.1,    1875.6,       0.0);         ( 405342.9,
3777706.4,     141.2,    1875.6,       0.0);
     ( 405362.9, 3777706.4,     141.4,    1875.6,       0.0);         ( 405382.9,
3777706.4,     141.5,    1875.6,       0.0);
     ( 405402.9, 3777706.4,     141.2,    1875.6,       0.0);         ( 405422.9,
3777706.4,     141.5,    1875.6,       0.0);
     ( 405442.9, 3777706.4,     141.6,    1875.6,       0.0);         ( 405462.9,
3777706.4,     141.5,    1875.6,       0.0);
     ( 405482.9, 3777706.4,     141.5,    1875.6,       0.0);         ( 405502.9,
3777706.4,     141.8,    1875.6,       0.0);
     ( 405522.9, 3777706.4,     141.9,    1875.6,       0.0);         ( 405542.9,
3777706.4,     142.0,    1875.6,       0.0);
     ( 405562.9, 3777706.4,     142.0,    1875.6,       0.0);         ( 405582.9,
3777706.4,     141.9,    1875.6,       0.0);
     ( 405602.9, 3777706.4,     141.7,    1875.6,       0.0);         ( 405622.9,
3777706.4,     141.5,    1875.6,       0.0);
     ( 405642.9, 3777706.4,     141.5,    1875.6,       0.0);         ( 405662.9,
3777706.4,     141.6,    1875.6,       0.0);
     ( 405682.9, 3777706.4,     141.3,    1875.6,       0.0);         ( 405702.9,
3777706.4,     141.3,    1875.6,       0.0);
     ( 405722.9, 3777706.4,     141.2,    1875.6,       0.0);         ( 405742.9,
3777706.4,     140.9,    1875.6,       0.0);
     ( 405762.9, 3777706.4,     140.7,    1875.6,       0.0);         ( 405782.9,
3777706.4,     140.6,    1875.6,       0.0);
     ( 405802.9, 3777706.4,     140.5,    1875.6,       0.0);         ( 405822.9,
3777706.4,     140.3,    1875.6,       0.0);
     ( 405842.9, 3777706.4,     140.1,    1875.6,       0.0);         ( 405862.9,
3777706.4,     140.0,    1875.6,       0.0);
     ( 405882.9, 3777706.4,     139.9,    1875.6,       0.0);         ( 405902.9,
3777706.4,     139.8,    1875.6,       0.0);
     ( 405922.9, 3777706.4,     139.8,    1875.6,       0.0);         ( 405942.9,
3777706.4,     140.0,    1875.6,       0.0);
     ( 405962.9, 3777706.4,     139.9,    1875.6,       0.0);         ( 405982.9,
3777706.4,     139.8,    1875.6,       0.0);
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(404962.9, 3777726.4, 141.9, 1875.6, 0.0); (404982.9,
3777726.4, 141.9, 1875.6, 0.0);
(405002.9, 3777726.4, 141.9, 1875.6, 0.0); (405022.9,
3777726.4, 141.8, 1875.6, 0.0);
(405042.9, 3777726.4, 141.8, 1875.6, 0.0); (405062.9,
3777726.4, 141.6, 1875.6, 0.0);
(405082.9, 3777726.4, 141.7, 1875.6, 0.0); (405102.9,
3777726.4, 141.7, 1875.6, 0.0);
(405122.9, 3777726.4, 141.7, 1875.6, 0.0); (405142.9,
3777726.4, 141.6, 1875.6, 0.0);
(405162.9, 3777726.4, 141.5, 1875.6, 0.0); (405182.9,
3777726.4, 141.3, 1875.6, 0.0);
(405202.9, 3777726.4, 141.2, 1875.6, 0.0); (405222.9,
3777726.4, 141.4, 1875.6, 0.0);
(405242.9, 3777726.4, 141.4, 1875.6, 0.0); (405262.9,
3777726.4, 141.4, 1875.6, 0.0);
(405282.9, 3777726.4, 141.3, 1875.6, 0.0); (405302.9,
3777726.4, 141.2, 1875.6, 0.0);
(405322.9, 3777726.4, 141.4, 1875.6, 0.0); (405342.9,
3777726.4, 141.5, 1875.6, 0.0);
(405362.9, 3777726.4, 141.6, 1875.6, 0.0); (405382.9,
3777726.4, 141.7, 1875.6, 0.0);
(405402.9, 3777726.4, 141.6, 1875.6, 0.0); (405422.9,
3777726.4, 141.7, 1875.6, 0.0);
(405442.9, 3777726.4, 141.8, 1875.6, 0.0); (405462.9,

3777726.4,   141.8,   1875.6,   0.0);
     (405482.9, 3777726.4,   141.8,   1875.6,   0.0);   (405502.9,
3777726.4,   142.0,   1875.6,   0.0);
     (405522.9, 3777726.4,   142.0,   1875.6,   0.0);   (405542.9,
3777726.4,   142.1,   1875.6,   0.0);
     (405562.9, 3777726.4,   142.2,   1875.6,   0.0);   (405582.9,
3777726.4,   142.2,   1875.6,   0.0);
     (405602.9, 3777726.4,   142.0,   1875.6,   0.0);   (405622.9,
3777726.4,   141.8,   1875.6,   0.0);
     (405642.9, 3777726.4,   141.7,   1875.6,   0.0);   (405662.9,
3777726.4,   141.7,   1875.6,   0.0);
     (405682.9, 3777726.4,   141.5,   1875.6,   0.0);   (405702.9,
3777726.4,   141.5,   1875.6,   0.0);
     (405722.9, 3777726.4,   141.3,   1875.6,   0.0);   (405742.9,
3777726.4,   141.0,   1875.6,   0.0);
     (405762.9, 3777726.4,   140.9,   1875.6,   0.0);   (405782.9,
3777726.4,   140.7,   1875.6,   0.0);
     (405802.9, 3777726.4,   140.7,   1875.6,   0.0);   (405822.9,
3777726.4,   140.5,   1875.6,   0.0);
     (405842.9, 3777726.4,   140.3,   1875.6,   0.0);   (405862.9,
3777726.4,   140.1,   1875.6,   0.0);
     (405882.9, 3777726.4,   140.2,   1875.6,   0.0);   (405902.9,
3777726.4,   140.1,   1875.6,   0.0);
     (405922.9, 3777726.4,   140.1,   1875.6,   0.0);   (405942.9,
3777726.4,   140.2,   1875.6,   0.0);
     (405962.9, 3777726.4,   140.2,   1875.6,   0.0);   (405982.9,
3777726.4,   140.1,   1875.6,   0.0);
     (406002.9, 3777726.4,   139.9,   1875.6,   0.0);   (406022.9,
3777726.4,   139.6,   1875.6,   0.0);
     (406042.9, 3777726.4,   139.3,   1875.6,   0.0);   (406062.9,
3777726.4,   139.2,   1875.6,   0.0);
     (406082.9, 3777726.4,   139.0,   1875.6,   0.0);   (406102.9,
3777726.4,   138.9,   1875.6,   0.0);
     (406122.9, 3777726.4,   138.7,   1875.6,   0.0);   (406142.9,
3777726.4,   138.8,   1875.6,   0.0);
     (406162.9, 3777726.4,   138.7,   1875.6,   0.0);   (406182.9,
3777726.4,   138.5,   1875.6,   0.0);
     (404922.9, 3777746.4,   141.9,   1875.6,   0.0);   (404942.9,
3777746.4,   142.1,   1875.6,   0.0);
     (404962.9, 3777746.4,   142.1,   1875.6,   0.0);   (404982.9,
3777746.4,   142.1,   1875.6,   0.0);
     (405002.9, 3777746.4,   142.2,   1875.6,   0.0);   (405022.9,
3777746.4,   142.1,   1875.6,   0.0);
     (405042.9, 3777746.4,   142.1,   1875.6,   0.0);   (405062.9,
3777746.4,   141.9,   1875.6,   0.0);
     (405082.9, 3777746.4,   141.9,   1875.6,   0.0);   (405102.9,
3777746.4,   142.0,   1875.6,   0.0);
     (405122.9, 3777746.4,   141.9,   1875.6,   0.0);   (405142.9,
3777746.4,   141.7,   1875.6,   0.0);
     (405162.9, 3777746.4,   141.7,   1875.6,   0.0);   (405182.9,

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     ( 405922.9, 3777746.4,     140.3,    1875.6,       0.0);         ( 405942.9,
3777746.4,     140.5,    1875.6,       0.0);
     ( 405962.9, 3777746.4,     140.4,    1875.6,       0.0);         ( 405982.9,
3777746.4,     140.3,    1875.6,       0.0);
     ( 406002.9, 3777746.4,     140.1,    1875.6,       0.0);         ( 406022.9,
3777746.4,     139.8,    1875.6,       0.0);
     ( 406042.9, 3777746.4,     139.7,    1875.6,       0.0);         ( 406062.9,
3777746.4,     139.5,    1875.6,       0.0);
     ( 406082.9, 3777746.4,     139.3,    1875.6,       0.0);         ( 406102.9,
3777746.4,     139.2,    1875.6,       0.0);
     ( 406122.9, 3777746.4,     139.0,    1875.6,       0.0);         ( 406142.9,
3777746.4,     139.0,    1875.6,       0.0);
     ( 406162.9, 3777746.4,     138.9,    1875.6,       0.0);         ( 406182.9,
3777746.4,     138.8,    1875.6,       0.0);
     ( 404922.9, 3777766.4,     142.1,    1875.6,       0.0);         ( 404942.9,
3777766.4,     142.4,    1875.6,       0.0);
     ( 404962.9, 3777766.4,     142.4,    1875.6,       0.0);         ( 404982.9,
3777766.4,     142.4,    1875.6,       0.0);
     ( 405002.9, 3777766.4,     142.4,    1875.6,       0.0);         ( 405022.9,
3777766.4,     142.4,    1875.6,       0.0);
     ( 405042.9, 3777766.4,     142.6,    1875.6,       0.0);         ( 405062.9,
3777766.4,     142.3,    1875.6,       0.0);
     ( 405082.9, 3777766.4,     142.2,    1875.6,       0.0);         ( 405102.9,
3777766.4,     142.2,    1875.6,       0.0);
     ( 405122.9, 3777766.4,     142.1,    1875.6,       0.0);         ( 405142.9,
3777766.4,     142.0,    1875.6,       0.0);
     ( 405162.9, 3777766.4,     142.0,    1875.6,       0.0);         ( 405182.9,
3777766.4,     141.9,    1875.6,       0.0);
     ( 405202.9, 3777766.4,     141.8,    1875.6,       0.0);         ( 405222.9,
3777766.4,     141.9,    1875.6,       0.0);
     ( 405242.9, 3777766.4,     141.8,    1875.6,       0.0);         ( 405262.9,
3777766.4,     141.8,    1875.6,       0.0);
     ( 405282.9, 3777766.4,     141.9,    1875.6,       0.0);         ( 405302.9,
3777766.4,     142.0,    1875.6,       0.0);
     ( 405322.9, 3777766.4,     141.9,    1875.6,       0.0);         ( 405342.9,
3777766.4,     142.0,    1875.6,       0.0);
     ( 405362.9, 3777766.4,     142.2,    1875.6,       0.0);         ( 405382.9,
3777766.4,     142.3,    1875.6,       0.0);
     ( 405402.9, 3777766.4,     141.9,    1875.6,       0.0);         ( 405422.9,
3777766.4,     142.7,    1875.6,       0.0);
     ( 405442.9, 3777766.4,     142.6,    1875.6,       0.0);         ( 405462.9,
3777766.4,     142.3,    1875.6,       0.0);
     ( 405482.9, 3777766.4,     142.1,    1875.6,       0.0);         ( 405502.9,
3777766.4,     141.1,    1875.6,       0.0);
     ( 405522.9, 3777766.4,     141.0,    1875.6,       0.0);         ( 405542.9,
3777766.4,     141.8,    1875.6,       0.0);
     ( 405562.9, 3777766.4,     142.6,    1875.6,       0.0);         ( 405582.9,
3777766.4,     142.5,    1875.6,       0.0);
     ( 405602.9, 3777766.4,     142.5,    1875.6,       0.0);         ( 405622.9,
3777766.4,     142.3,    1875.6,       0.0);
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(405642.9, 3777766.4, 142.2, 1875.6, 0.0); (405662.9, 3777766.4, 142.1, 1875.6, 0.0);
(405682.9, 3777766.4, 142.1, 1875.6, 0.0); (405702.9, 3777766.4, 141.2, 1875.6, 0.0);
(405722.9, 3777766.4, 140.6, 1875.6, 0.0); (405742.9, 3777766.4, 140.7, 1875.6, 0.0);
(405762.9, 3777766.4, 141.8, 1875.6, 0.0); (405782.9, 3777766.4, 140.9, 1875.6, 0.0);
(405802.9, 3777766.4, 140.9, 1875.6, 0.0); (405822.9, 3777766.4, 141.0, 1875.6, 0.0);
(405842.9, 3777766.4, 141.1, 1875.6, 0.0); (405862.9, 3777766.4, 140.6, 1875.6, 0.0);
(405882.9, 3777766.4, 140.6, 1875.6, 0.0); (405902.9, 3777766.4, 140.6, 1875.6, 0.0);
(405922.9, 3777766.4, 140.6, 1875.6, 0.0); (405942.9, 3777766.4, 140.8, 1875.6, 0.0);
(405962.9, 3777766.4, 140.6, 1875.6, 0.0); (405982.9, 3777766.4, 140.5, 1875.6, 0.0);

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(406002.9, 3777766.4, 140.3, 1875.6, 0.0); (406022.9, 3777766.4, 140.0, 1875.6, 0.0);
(406042.9, 3777766.4, 140.1, 1875.6, 0.0); (406062.9, 3777766.4, 139.8, 1875.6, 0.0);
(406082.9, 3777766.4, 139.6, 1875.6, 0.0); (406102.9, 3777766.4, 139.4, 1875.6, 0.0);
(406122.9, 3777766.4, 139.3, 1875.6, 0.0); (406142.9, 3777766.4, 139.2, 1875.6, 0.0);
(406162.9, 3777766.4, 139.1, 1875.6, 0.0); (406182.9, 3777766.4, 138.9, 1875.6, 0.0);
(404922.9, 3777786.4, 142.3, 1875.6, 0.0); (404942.9, 3777786.4, 142.5, 1875.6, 0.0);
(404962.9, 3777786.4, 142.5, 1875.6, 0.0); (404982.9, 3777786.4, 142.5, 1875.6, 0.0);
(405002.9, 3777786.4, 142.5, 1875.6, 0.0); (405022.9, 3777786.4, 142.5, 1875.6, 0.0);
(405042.9, 3777786.4, 142.6, 1875.6, 0.0); (405062.9, 3777786.4, 142.5, 1875.6, 0.0);
(405082.9, 3777786.4, 142.4, 1875.6, 0.0); (405102.9,

3777786.4,   142.4,   1875.6,   0.0);
     (405122.9, 3777786.4,   142.3,   1875.6,   0.0);   (405142.9,
3777786.4,   142.2,   1875.6,   0.0);
     (405162.9, 3777786.4,   142.2,   1875.6,   0.0);   (405182.9,
3777786.4,   142.1,   1875.6,   0.0);
     (405202.9, 3777786.4,   142.0,   1875.6,   0.0);   (405222.9,
3777786.4,   142.2,   1875.6,   0.0);
     (405242.9, 3777786.4,   142.2,   1875.6,   0.0);   (405262.9,
3777786.4,   142.2,   1875.6,   0.0);
     (405282.9, 3777786.4,   142.2,   1875.6,   0.0);   (405302.9,
3777786.4,   142.3,   1875.6,   0.0);
     (405322.9, 3777786.4,   142.3,   1875.6,   0.0);   (405342.9,
3777786.4,   142.3,   1875.6,   0.0);
     (405362.9, 3777786.4,   142.4,   1875.6,   0.0);   (405382.9,
3777786.4,   142.5,   1875.6,   0.0);
     (405402.9, 3777786.4,   142.3,   1875.6,   0.0);   (405422.9,
3777786.4,   142.7,   1875.6,   0.0);
     (405442.9, 3777786.4,   142.6,   1875.6,   0.0);   (405462.9,
3777786.4,   142.5,   1875.6,   0.0);
     (405482.9, 3777786.4,   142.5,   1875.6,   0.0);   (405502.9,
3777786.4,   142.0,   1875.6,   0.0);
     (405522.9, 3777786.4,   141.9,   1875.6,   0.0);   (405542.9,
3777786.4,   142.2,   1875.6,   0.0);
     (405562.9, 3777786.4,   142.5,   1875.6,   0.0);   (405582.9,
3777786.4,   142.4,   1875.6,   0.0);
     (405602.9, 3777786.4,   142.3,   1875.6,   0.0);   (405622.9,
3777786.4,   142.2,   1875.6,   0.0);
     (405642.9, 3777786.4,   142.1,   1875.6,   0.0);   (405662.9,
3777786.4,   142.0,   1875.6,   0.0);
     (405682.9, 3777786.4,   142.0,   1875.6,   0.0);   (405702.9,
3777786.4,   141.7,   1875.6,   0.0);
     (405722.9, 3777786.4,   141.4,   1875.6,   0.0);   (405742.9,
3777786.4,   141.4,   1875.6,   0.0);
     (405762.9, 3777786.4,   141.6,   1875.6,   0.0);   (405782.9,
3777786.4,   141.3,   1875.6,   0.0);
     (405802.9, 3777786.4,   141.2,   1875.6,   0.0);   (405822.9,
3777786.4,   141.2,   1875.6,   0.0);
     (405842.9, 3777786.4,   141.2,   1875.6,   0.0);   (405862.9,
3777786.4,   141.0,   1875.6,   0.0);
     (405882.9, 3777786.4,   140.9,   1875.6,   0.0);   (405902.9,
3777786.4,   140.9,   1875.6,   0.0);
     (405922.9, 3777786.4,   140.8,   1875.6,   0.0);   (405942.9,
3777786.4,   140.9,   1875.6,   0.0);
     (405962.9, 3777786.4,   140.8,   1875.6,   0.0);   (405982.9,
3777786.4,   140.6,   1875.6,   0.0);
     (406002.9, 3777786.4,   140.4,   1875.6,   0.0);   (406022.9,
3777786.4,   140.1,   1875.6,   0.0);
     (406042.9, 3777786.4,   140.3,   1875.6,   0.0);   (406062.9,
3777786.4,   140.1,   1875.6,   0.0);
     (406082.9, 3777786.4,   139.9,   1875.6,   0.0);   (406102.9,

3777786.4,   139.7,   1875.6,   0.0);
     (406122.9, 3777786.4,   139.6,   1875.6,   0.0);   (406142.9,
3777786.4,   139.4,   1875.6,   0.0);
     (406162.9, 3777786.4,   139.2,   1875.6,   0.0);   (406182.9,
3777786.4,   139.0,   1875.6,   0.0);
     (404922.9, 3777806.4,   142.4,   1875.6,   0.0);   (404942.9,
3777806.4,   142.6,   1875.6,   0.0);
     (404962.9, 3777806.4,   142.6,   1875.6,   0.0);   (404982.9,
3777806.4,   142.6,   1875.6,   0.0);
     (405002.9, 3777806.4,   142.6,   1875.6,   0.0);   (405022.9,
3777806.4,   142.5,   1875.6,   0.0);
     (405042.9, 3777806.4,   142.4,   1875.6,   0.0);   (405062.9,
3777806.4,   142.5,   1875.6,   0.0);
     (405082.9, 3777806.4,   142.5,   1875.6,   0.0);   (405102.9,
3777806.4,   142.5,   1875.6,   0.0);
     (405122.9, 3777806.4,   142.5,   1875.6,   0.0);   (405142.9,
3777806.4,   142.5,   1875.6,   0.0);
     (405162.9, 3777806.4,   142.4,   1875.6,   0.0);   (405182.9,
3777806.4,   142.4,   1875.6,   0.0);
     (405202.9, 3777806.4,   142.3,   1875.6,   0.0);   (405222.9,
3777806.4,   142.5,   1875.6,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                  (METERS)

     (405242.9, 3777806.4,   142.5,   1875.6,   0.0);   (405262.9,
3777806.4,   142.5,   1875.6,   0.0);
     (405282.9, 3777806.4,   142.6,   1875.6,   0.0);   (405302.9,
3777806.4,   142.6,   1875.6,   0.0);
     (405322.9, 3777806.4,   142.6,   1875.6,   0.0);   (405342.9,
3777806.4,   142.6,   1875.6,   0.0);
     (405362.9, 3777806.4,   142.7,   1875.6,   0.0);   (405382.9,
3777806.4,   142.7,   1875.6,   0.0);
     (405402.9, 3777806.4,   142.7,   1875.6,   0.0);   (405422.9,
3777806.4,   142.7,   1875.6,   0.0);
     (405442.9, 3777806.4,   142.8,   1875.6,   0.0);   (405462.9,
3777806.4,   142.8,   1875.6,   0.0);
     (405482.9, 3777806.4,   142.8,   1875.6,   0.0);   (405502.9,
3777806.4,   142.7,   1875.6,   0.0);
     (405522.9, 3777806.4,   142.7,   1875.6,   0.0);   (405542.9,
3777806.4,   142.6,   1875.6,   0.0);

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     ( 405562.9, 3777806.4,     142.6,    1875.6,       0.0);         ( 405582.9,
3777806.4,     142.5,    1875.6,       0.0);
     ( 405602.9, 3777806.4,     142.5,    1875.6,       0.0);         ( 405622.9,
3777806.4,     142.4,    1875.6,       0.0);
     ( 405642.9, 3777806.4,     142.4,    1875.6,       0.0);         ( 405662.9,
3777806.4,     142.4,    1875.6,       0.0);
     ( 405682.9, 3777806.4,     142.0,    1875.6,       0.0);         ( 405702.9,
3777806.4,     142.0,    1875.6,       0.0);
     ( 405722.9, 3777806.4,     142.0,    1875.6,       0.0);         ( 405742.9,
3777806.4,     141.9,    1875.6,       0.0);
     ( 405762.9, 3777806.4,     141.7,    1875.6,       0.0);         ( 405782.9,
3777806.4,     141.6,    1875.6,       0.0);
     ( 405802.9, 3777806.4,     141.5,    1875.6,       0.0);         ( 405822.9,
3777806.4,     141.4,    1875.6,       0.0);
     ( 405842.9, 3777806.4,     141.3,    1875.6,       0.0);         ( 405862.9,
3777806.4,     141.3,    1875.6,       0.0);
     ( 405882.9, 3777806.4,     141.2,    1875.6,       0.0);         ( 405902.9,
3777806.4,     141.1,    1875.6,       0.0);
     ( 405922.9, 3777806.4,     141.0,    1875.6,       0.0);         ( 405942.9,
3777806.4,     141.1,    1875.6,       0.0);
     ( 405962.9, 3777806.4,     141.0,    1875.6,       0.0);         ( 405982.9,
3777806.4,     140.8,    1875.6,       0.0);
     ( 406002.9, 3777806.4,     140.4,    1875.6,       0.0);         ( 406022.9,
3777806.4,     140.3,    1875.6,       0.0);
     ( 406042.9, 3777806.4,     140.5,    1875.6,       0.0);         ( 406062.9,
3777806.4,     140.2,    1875.6,       0.0);
     ( 406082.9, 3777806.4,     140.1,    1875.6,       0.0);         ( 406102.9,
3777806.4,     140.0,    1875.6,       0.0);
     ( 406122.9, 3777806.4,     140.2,    1875.6,       0.0);         ( 406142.9,
3777806.4,     141.0,    1875.6,       0.0);
     ( 404922.9, 3777826.4,     142.9,    1875.6,       0.0);         ( 404942.9,
3777826.4,     143.2,    1875.6,       0.0);
     ( 404962.9, 3777826.4,     143.3,    1875.6,       0.0);         ( 404982.9,
3777826.4,     143.4,    1875.6,       0.0);
     ( 405002.9, 3777826.4,     143.2,    1875.6,       0.0);         ( 405022.9,
3777826.4,     142.7,    1875.6,       0.0);
     ( 405042.9, 3777826.4,     142.1,    1875.6,       0.0);         ( 405062.9,
3777826.4,     142.8,    1875.6,       0.0);
     ( 405082.9, 3777826.4,     143.0,    1875.6,       0.0);         ( 405102.9,
3777826.4,     142.8,    1875.6,       0.0);
     ( 405122.9, 3777826.4,     142.7,    1875.6,       0.0);         ( 405142.9,
3777826.4,     142.9,    1875.6,       0.0);
     ( 405162.9, 3777826.4,     142.8,    1875.6,       0.0);         ( 405182.9,
3777826.4,     142.7,    1875.6,       0.0);
     ( 405202.9, 3777826.4,     142.7,    1875.6,       0.0);         ( 405222.9,
3777826.4,     142.8,    1875.6,       0.0);
     ( 405242.9, 3777826.4,     142.8,    1875.6,       0.0);         ( 405262.9,
3777826.4,     142.8,    1875.6,       0.0);
     ( 405282.9, 3777826.4,     142.8,    1875.6,       0.0);         ( 405302.9,
3777826.4,     142.9,    1875.6,       0.0);
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3777826.4,   140.6,   1875.6,   0.0);
     (406082.9, 3777826.4,   140.4,   1875.6,   0.0);   (404922.9,
3777846.4,   143.2,   1875.6,   0.0);
     (404942.9, 3777846.4,   143.5,   1875.6,   0.0);   (404962.9,
3777846.4,   143.7,   1875.6,   0.0);
     (404982.9, 3777846.4,   143.7,   1875.6,   0.0);   (405002.9,
3777846.4,   143.5,   1875.6,   0.0);
     (405022.9, 3777846.4,   143.0,   1875.6,   0.0);   (405042.9,
3777846.4,   142.6,   1875.6,   0.0);
     (405062.9, 3777846.4,   143.2,   1875.6,   0.0);   (405082.9,
3777846.4,   143.3,   1875.6,   0.0);
     (405102.9, 3777846.4,   143.0,   1875.6,   0.0);   (405122.9,
3777846.4,   143.0,   1875.6,   0.0);
     (405142.9, 3777846.4,   143.1,   1875.6,   0.0);   (405162.9,
3777846.4,   143.1,   1875.6,   0.0);
     (405182.9, 3777846.4,   143.0,   1875.6,   0.0);   (405202.9,
3777846.4,   142.9,   1875.6,   0.0);
     (405222.9, 3777846.4,   143.0,   1875.6,   0.0);   (405242.9,
3777846.4,   143.0,   1875.6,   0.0);
     (405262.9, 3777846.4,   143.0,   1875.6,   0.0);   (405282.9,
3777846.4,   143.0,   1875.6,   0.0);
     (405302.9, 3777846.4,   143.1,   1875.6,   0.0);   (405322.9,
3777846.4,   143.1,   1875.6,   0.0);
     (405342.9, 3777846.4,   143.2,   1875.6,   0.0);   (405362.9,
3777846.4,   143.3,   1875.6,   0.0);
     (405382.9, 3777846.4,   143.3,   1875.6,   0.0);   (405402.9,
3777846.4,   143.2,   1875.6,   0.0);
     (405422.9, 3777846.4,   143.2,   1875.6,   0.0);   (405442.9,
3777846.4,   143.3,   1875.6,   0.0);
     (405462.9, 3777846.4,   143.4,   1875.6,   0.0);   (405482.9,
3777846.4,   143.3,   1875.6,   0.0);
     (405502.9, 3777846.4,   143.4,   1875.6,   0.0);   (405522.9,
3777846.4,   143.5,   1875.6,   0.0);
     (405542.9, 3777846.4,   143.6,   1875.6,   0.0);   (405562.9,
3777846.4,   143.6,   1875.6,   0.0);
     (405582.9, 3777846.4,   143.6,   1875.6,   0.0);   (405602.9,
3777846.4,   143.4,   1875.6,   0.0);
     (405622.9, 3777846.4,   143.2,   1875.6,   0.0);   (405642.9,
3777846.4,   143.2,   1875.6,   0.0);
     (405662.9, 3777846.4,   143.1,   1875.6,   0.0);   (405682.9,
3777846.4,   141.8,   1875.6,   0.0);
     (405702.9, 3777846.4,   142.0,   1875.6,   0.0);   (405722.9,
3777846.4,   142.3,   1875.6,   0.0);
     (405742.9, 3777846.4,   142.2,   1875.6,   0.0);   (405762.9,
3777846.4,   142.0,   1875.6,   0.0);
     (405782.9, 3777846.4,   142.0,   1875.6,   0.0);   (405802.9,
3777846.4,   141.9,   1875.6,   0.0);
     (405822.9, 3777846.4,   141.8,   1875.6,   0.0);   (405842.9,
3777846.4,   141.6,   1875.6,   0.0);
     (405862.9, 3777846.4,   141.7,   1875.6,   0.0);   (405882.9,

3777846.4,   141.9,   1875.6,   0.0);
     (405902.9, 3777846.4,   141.8,   1875.6,   0.0);   (405922.9,
3777846.4,   141.5,   1875.6,   0.0);
     (405942.9, 3777846.4,   141.5,   1875.6,   0.0);   (405962.9,
3777846.4,   141.3,   1875.6,   0.0);
     (405982.9, 3777846.4,   141.0,   1875.6,   0.0);   (406002.9,
3777846.4,   140.8,   1875.6,   0.0);
     (404922.9, 3777866.4,   143.4,   1875.6,   0.0);   (404942.9,
3777866.4,   143.6,   1875.6,   0.0);
     (404962.9, 3777866.4,   143.6,   1875.6,   0.0);   (404982.9,
3777866.4,   143.6,   1875.6,   0.0);
     (405002.9, 3777866.4,   143.6,   1875.6,   0.0);   (405022.9,
3777866.4,   143.6,   1875.6,   0.0);
     (405042.9, 3777866.4,   143.6,   1875.6,   0.0);   (405062.9,
3777866.4,   143.6,   1875.6,   0.0);
     (405082.9, 3777866.4,   143.5,   1875.6,   0.0);   (405102.9,
3777866.4,   143.3,   1875.6,   0.0);
     (405122.9, 3777866.4,   143.2,   1875.6,   0.0);   (405142.9,
3777866.4,   143.2,   1875.6,   0.0);
     (405162.9, 3777866.4,   143.2,   1875.6,   0.0);   (405182.9,
3777866.4,   143.2,   1875.6,   0.0);
     (405202.9, 3777866.4,   143.1,   1875.6,   0.0);   (405222.9,
3777866.4,   143.2,   1875.6,   0.0);
     (405242.9, 3777866.4,   143.2,   1875.6,   0.0);   (405262.9,
3777866.4,   143.2,   1875.6,   0.0);
     (405282.9, 3777866.4,   143.2,   1875.6,   0.0);   (405302.9,
3777866.4,   143.3,   1875.6,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                  (METERS)

     (405322.9, 3777866.4,   143.3,   1875.6,   0.0);   (405342.9,
3777866.4,   143.3,   1875.6,   0.0);
     (405362.9, 3777866.4,   143.3,   1875.6,   0.0);   (405382.9,
3777866.4,   143.4,   1875.6,   0.0);
     (405402.9, 3777866.4,   143.4,   1875.6,   0.0);   (405422.9,
3777866.4,   143.4,   1875.6,   0.0);
     (405442.9, 3777866.4,   143.5,   1875.6,   0.0);   (405462.9,
3777866.4,   143.6,   1875.6,   0.0);
     (405482.9, 3777866.4,   143.6,   1875.6,   0.0);   (405502.9,
3777866.4,   143.7,   1875.6,   0.0);

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     ( 405522.9, 3777866.4,     143.9,    1875.6,       0.0);         ( 405542.9,
3777866.4,     144.0,    1875.6,       0.0);
     ( 405562.9, 3777866.4,     144.0,    1875.6,       0.0);         ( 405582.9,
3777866.4,     143.9,    1875.6,       0.0);
     ( 405602.9, 3777866.4,     143.7,    1875.6,       0.0);         ( 405622.9,
3777866.4,     143.4,    1875.6,       0.0);
     ( 405642.9, 3777866.4,     143.2,    1875.6,       0.0);         ( 405662.9,
3777866.4,     143.1,    1875.6,       0.0);
     ( 405682.9, 3777866.4,     141.8,    1875.6,       0.0);         ( 405702.9,
3777866.4,     142.2,    1875.6,       0.0);
     ( 405722.9, 3777866.4,     142.5,    1875.6,       0.0);         ( 405742.9,
3777866.4,     142.4,    1875.6,       0.0);
     ( 405762.9, 3777866.4,     142.1,    1875.6,       0.0);         ( 405782.9,
3777866.4,     142.2,    1875.6,       0.0);
     ( 405802.9, 3777866.4,     142.1,    1875.6,       0.0);         ( 405822.9,
3777866.4,     142.0,    1875.6,       0.0);
     ( 405842.9, 3777866.4,     141.9,    1875.6,       0.0);         ( 405862.9,
3777866.4,     141.9,    1875.6,       0.0);
     ( 405882.9, 3777866.4,     142.2,    1875.6,       0.0);         ( 405902.9,
3777866.4,     142.0,    1875.6,       0.0);
     ( 405922.9, 3777866.4,     142.0,    1875.6,       0.0);         ( 405942.9,
3777866.4,     142.9,    1875.6,       0.0);
     ( 404922.9, 3777886.4,     143.7,    1875.6,       0.0);         ( 404942.9,
3777886.4,     143.8,    1875.6,       0.0);
     ( 404962.9, 3777886.4,     143.9,    1875.6,       0.0);         ( 404982.9,
3777886.4,     143.9,    1875.6,       0.0);
     ( 405002.9, 3777886.4,     143.9,    1875.6,       0.0);         ( 405022.9,
3777886.4,     143.9,    1875.6,       0.0);
     ( 405042.9, 3777886.4,     143.9,    1875.6,       0.0);         ( 405062.9,
3777886.4,     144.2,    1875.6,       0.0);
     ( 405082.9, 3777886.4,     144.2,    1875.6,       0.0);         ( 405102.9,
3777886.4,     143.9,    1875.6,       0.0);
     ( 405122.9, 3777886.4,     143.4,    1875.6,       0.0);         ( 405142.9,
3777886.4,     143.5,    1875.6,       0.0);
     ( 405162.9, 3777886.4,     143.5,    1875.6,       0.0);         ( 405182.9,
3777886.4,     143.5,    1875.6,       0.0);
     ( 405202.9, 3777886.4,     143.5,    1875.6,       0.0);         ( 405222.9,
3777886.4,     143.7,    1875.6,       0.0);
     ( 405242.9, 3777886.4,     143.7,    1875.6,       0.0);         ( 405262.9,
3777886.4,     143.6,    1875.6,       0.0);
     ( 405282.9, 3777886.4,     143.6,    1875.6,       0.0);         ( 405302.9,
3777886.4,     143.7,    1875.6,       0.0);
     ( 405322.9, 3777886.4,     143.5,    1875.6,       0.0);         ( 405342.9,
3777886.4,     143.5,    1875.6,       0.0);
     ( 405362.9, 3777886.4,     143.6,    1875.6,       0.0);         ( 405382.9,
3777886.4,     143.7,    1875.6,       0.0);
     ( 405402.9, 3777886.4,     143.7,    1875.6,       0.0);         ( 405422.9,
3777886.4,     143.7,    1875.6,       0.0);
     ( 405442.9, 3777886.4,     144.0,    1875.6,       0.0);         ( 405462.9,
3777886.4,     144.2,    1875.6,       0.0);
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     ( 405482.9, 3777886.4,     143.8,    1875.6,       0.0);         ( 405502.9,
3777886.4,     144.0,    1875.6,       0.0);
     ( 405522.9, 3777886.4,     144.1,    1875.6,       0.0);         ( 405542.9,
3777886.4,     144.1,    1875.6,       0.0);
     ( 405562.9, 3777886.4,     144.0,    1875.6,       0.0);         ( 405582.9,
3777886.4,     143.9,    1875.6,       0.0);
     ( 405602.9, 3777886.4,     143.8,    1875.6,       0.0);         ( 405622.9,
3777886.4,     143.5,    1875.6,       0.0);
     ( 405642.9, 3777886.4,     143.3,    1875.6,       0.0);         ( 405662.9,
3777886.4,     143.3,    1875.6,       0.0);
     ( 405682.9, 3777886.4,     142.6,    1875.6,       0.0);         ( 405702.9,
3777886.4,     142.6,    1875.6,       0.0);
     ( 405722.9, 3777886.4,     142.7,    1875.6,       0.0);         ( 405742.9,
3777886.4,     142.7,    1875.6,       0.0);
     ( 405762.9, 3777886.4,     142.3,    1875.6,       0.0);         ( 405782.9,
3777886.4,     142.4,    1875.6,       0.0);
     ( 405802.9, 3777886.4,     142.2,    1875.6,       0.0);         ( 405822.9,
3777886.4,     142.2,    1875.6,       0.0);
     ( 405842.9, 3777886.4,     142.4,    1875.6,       0.0);         ( 405862.9,
3777886.4,     142.3,    1875.6,       0.0);
     ( 405882.9, 3777886.4,     142.3,    1875.6,       0.0);         ( 404922.9,
3777906.4,     143.9,    1875.6,       0.0);
     ( 404942.9, 3777906.4,     144.0,    1875.6,       0.0);         ( 404962.9,
3777906.4,     144.1,    1875.6,       0.0);
     ( 404982.9, 3777906.4,     144.1,    1875.6,       0.0);         ( 405002.9,
3777906.4,     144.1,    1875.6,       0.0);
     ( 405022.9, 3777906.4,     144.2,    1875.6,       0.0);         ( 405042.9,
3777906.4,     144.2,    1875.6,       0.0);
     ( 405062.9, 3777906.4,     144.4,    1875.6,       0.0);         ( 405082.9,
3777906.4,     144.4,    1875.6,       0.0);
 *** AERMOD - VERSION 21112  ***   ***
C:\Users\apoll\Desktop\HARP2\HARP\Derby\Derby HRA\Derby HRA.isc      ***
11/15/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:03:45

                                  PAGE  89
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                  (METERS)

     ( 405102.9, 3777906.4,     144.1,    1875.6,       0.0);         ( 405122.9,
3777906.4,     143.7,    1875.6,       0.0);
     ( 405142.9, 3777906.4,     143.8,    1875.6,       0.0);         ( 405162.9,
3777906.4,     143.8,    1875.6,       0.0);
     ( 405182.9, 3777906.4,     143.8,    1875.6,       0.0);         ( 405202.9,
3777906.4,     143.8,    1875.6,       0.0);
     ( 405222.9, 3777906.4,     143.9,    1875.6,       0.0);         ( 405242.9,
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3777906.4,   143.9,   1875.6,   0.0);
     (405262.9, 3777906.4,   143.9,   1875.6,   0.0);   (405282.9,
3777906.4,   143.9,   1875.6,   0.0);
     (405302.9, 3777906.4,   143.9,   1875.6,   0.0);   (405322.9,
3777906.4,   143.8,   1875.6,   0.0);
     (405342.9, 3777906.4,   143.9,   1875.6,   0.0);   (405362.9,
3777906.4,   143.9,   1875.6,   0.0);
     (405382.9, 3777906.4,   144.0,   1875.6,   0.0);   (405402.9,
3777906.4,   144.0,   1875.6,   0.0);
     (405422.9, 3777906.4,   144.0,   1875.6,   0.0);   (405442.9,
3777906.4,   144.2,   1875.6,   0.0);
     (405462.9, 3777906.4,   144.3,   1875.6,   0.0);   (405482.9,
3777906.4,   144.1,   1875.6,   0.0);
     (405502.9, 3777906.4,   144.2,   1875.6,   0.0);   (405522.9,
3777906.4,   144.4,   1875.6,   0.0);
     (405542.9, 3777906.4,   144.4,   1875.6,   0.0);   (405562.9,
3777906.4,   144.2,   1875.6,   0.0);
     (405582.9, 3777906.4,   144.0,   1875.6,   0.0);   (405602.9,
3777906.4,   143.9,   1875.6,   0.0);
     (405622.9, 3777906.4,   143.7,   1875.6,   0.0);   (405642.9,
3777906.4,   143.5,   1875.6,   0.0);
     (405662.9, 3777906.4,   143.4,   1875.6,   0.0);   (405682.9,
3777906.4,   143.1,   1875.6,   0.0);
     (405702.9, 3777906.4,   143.0,   1875.6,   0.0);   (405722.9,
3777906.4,   143.0,   1875.6,   0.0);
     (405742.9, 3777906.4,   142.9,   1875.6,   0.0);   (405762.9,
3777906.4,   142.6,   1875.6,   0.0);
     (405782.9, 3777906.4,   142.6,   1875.6,   0.0);   (405802.9,
3777906.4,   142.5,   1875.6,   0.0);
     (405822.9, 3777906.4,   142.5,   1875.6,   0.0);   (405842.9,
3777906.4,   142.9,   1875.6,   0.0);
     (404922.9, 3777926.4,   144.1,   1875.6,   0.0);   (404942.9,
3777926.4,   144.2,   1875.6,   0.0);
     (404962.9, 3777926.4,   144.2,   1875.6,   0.0);   (404982.9,
3777926.4,   144.2,   1875.6,   0.0);
     (405002.9, 3777926.4,   144.3,   1875.6,   0.0);   (405022.9,
3777926.4,   144.4,   1875.6,   0.0);
     (405042.9, 3777926.4,   144.4,   1875.6,   0.0);   (405062.9,
3777926.4,   144.2,   1875.6,   0.0);
     (405082.9, 3777926.4,   144.1,   1875.6,   0.0);   (405102.9,
3777926.4,   144.0,   1875.6,   0.0);
     (405122.9, 3777926.4,   144.0,   1875.6,   0.0);   (405142.9,
3777926.4,   144.0,   1875.6,   0.0);
     (405162.9, 3777926.4,   144.0,   1875.6,   0.0);   (405182.9,
3777926.4,   143.9,   1875.6,   0.0);
     (405202.9, 3777926.4,   144.0,   1875.6,   0.0);   (405222.9,
3777926.4,   144.0,   1875.6,   0.0);
     (405242.9, 3777926.4,   144.1,   1875.6,   0.0);   (405262.9,
3777926.4,   144.1,   1875.6,   0.0);
     (405282.9, 3777926.4,   144.1,   1875.6,   0.0);   (405302.9,

3777926.4,   144.2,   1875.6,   0.0);
     (405322.9, 3777926.4,   144.2,   1875.6,   0.0);   (405342.9,
3777926.4,   144.2,   1875.6,   0.0);
     (405362.9, 3777926.4,   144.2,   1875.6,   0.0);   (405382.9,
3777926.4,   144.2,   1875.6,   0.0);
     (405402.9, 3777926.4,   144.3,   1875.6,   0.0);   (405422.9,
3777926.4,   144.3,   1875.6,   0.0);
     (405442.9, 3777926.4,   144.3,   1875.6,   0.0);   (405462.9,
3777926.4,   144.4,   1875.6,   0.0);
     (405482.9, 3777926.4,   144.3,   1875.6,   0.0);   (405502.9,
3777926.4,   144.6,   1875.6,   0.0);
     (405522.9, 3777926.4,   144.7,   1875.6,   0.0);   (405542.9,
3777926.4,   144.6,   1875.6,   0.0);
     (405562.9, 3777926.4,   144.4,   1875.6,   0.0);   (405582.9,
3777926.4,   144.2,   1875.6,   0.0);
     (405602.9, 3777926.4,   144.0,   1875.6,   0.0);   (405782.9,
3777926.4,   143.3,   1875.6,   0.0);
     (405802.9, 3777926.4,   143.7,   1875.6,   0.0);   (404922.9,
3777946.4,   144.4,   1875.6,   0.0);
     (404942.9, 3777946.4,   144.6,   1875.6,   0.0);   (404962.9,
3777946.4,   144.5,   1875.6,   0.0);
     (404982.9, 3777946.4,   144.5,   1875.6,   0.0);   (405002.9,
3777946.4,   144.6,   1875.6,   0.0);
     (405022.9, 3777946.4,   144.6,   1875.6,   0.0);   (405042.9,
3777946.4,   144.6,   1875.6,   0.0);
     (405062.9, 3777946.4,   144.6,   1875.6,   0.0);   (405082.9,
3777946.4,   144.5,   1875.6,   0.0);
     (405102.9, 3777946.4,   144.5,   1875.6,   0.0);   (405122.9,
3777946.4,   144.5,   1875.6,   0.0);
     (405142.9, 3777946.4,   144.3,   1875.6,   0.0);   (405162.9,
3777946.4,   144.3,   1875.6,   0.0);
     (405182.9, 3777946.4,   144.3,   1875.6,   0.0);   (405202.9,
3777946.4,   144.3,   1875.6,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                       (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                  (METERS)

     (405222.9, 3777946.4,   144.4,   1875.6,   0.0);   (405242.9,
3777946.4,   144.3,   1875.6,   0.0);
     (405262.9, 3777946.4,   144.3,   1875.6,   0.0);   (405282.9,
3777946.4,   144.5,   1875.6,   0.0);

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     ( 405302.9, 3777946.4,     144.5,    1875.6,       0.0);         ( 405322.9,
3777946.4,     144.4,    1875.6,       0.0);
     ( 405342.9, 3777946.4,     144.5,    1875.6,       0.0);         ( 405362.9,
3777946.4,     144.3,    1875.6,       0.0);
     ( 405382.9, 3777946.4,     144.0,    1875.6,       0.0);         ( 405402.9,
3777946.4,     144.5,    1875.6,       0.0);
     ( 405422.9, 3777946.4,     144.6,    1875.6,       0.0);         ( 405442.9,
3777946.4,     144.8,    1875.6,       0.0);
     ( 405462.9, 3777946.4,     144.9,    1875.6,       0.0);         ( 405482.9,
3777946.4,     144.5,    1875.6,       0.0);
     ( 405502.9, 3777946.4,     144.9,    1875.6,       0.0);         ( 405522.9,
3777946.4,     144.9,    1875.6,       0.0);
     ( 405542.9, 3777946.4,     144.7,    1875.6,       0.0);         ( 405562.9,
3777946.4,     144.5,    1875.6,       0.0);
     ( 405582.9, 3777946.4,     144.3,    1875.6,       0.0);         ( 405602.9,
3777946.4,     144.2,    1875.6,       0.0);
     ( 404922.9, 3777966.4,     144.7,    1875.6,       0.0);         ( 404942.9,
3777966.4,     144.9,    1875.6,       0.0);
     ( 404962.9, 3777966.4,     144.8,    1875.6,       0.0);         ( 404982.9,
3777966.4,     144.8,    1875.6,       0.0);
     ( 405002.9, 3777966.4,     144.9,    1875.6,       0.0);         ( 405022.9,
3777966.4,     144.8,    1875.6,       0.0);
     ( 405042.9, 3777966.4,     144.8,    1875.6,       0.0);         ( 405062.9,
3777966.4,     144.8,    1875.6,       0.0);
     ( 405082.9, 3777966.4,     144.8,    1875.6,       0.0);         ( 405102.9,
3777966.4,     144.8,    1875.6,       0.0);
     ( 405122.9, 3777966.4,     144.7,    1875.6,       0.0);         ( 405142.9,
3777966.4,     144.6,    1875.6,       0.0);
     ( 405162.9, 3777966.4,     144.6,    1875.6,       0.0);         ( 405182.9,
3777966.4,     144.6,    1875.6,       0.0);
     ( 405202.9, 3777966.4,     144.6,    1875.6,       0.0);         ( 405222.9,
3777966.4,     144.6,    1875.6,       0.0);
     ( 405242.9, 3777966.4,     144.5,    1875.6,       0.0);         ( 405262.9,
3777966.4,     144.5,    1875.6,       0.0);
     ( 405282.9, 3777966.4,     144.6,    1875.6,       0.0);         ( 405302.9,
3777966.4,     144.7,    1875.6,       0.0);
     ( 405322.9, 3777966.4,     144.6,    1875.6,       0.0);         ( 405342.9,
3777966.4,     144.7,    1875.6,       0.0);
     ( 405362.9, 3777966.4,     144.6,    1875.6,       0.0);         ( 405382.9,
3777966.4,     144.3,    1875.6,       0.0);
     ( 405402.9, 3777966.4,     144.7,    1875.6,       0.0);         ( 405422.9,
3777966.4,     144.8,    1875.6,       0.0);
     ( 405442.9, 3777966.4,     145.0,    1875.6,       0.0);         ( 405462.9,
3777966.4,     145.0,    1875.6,       0.0);
     ( 405482.9, 3777966.4,     144.8,    1875.6,       0.0);         ( 405502.9,
3777966.4,     145.1,    1875.6,       0.0);
     ( 405522.9, 3777966.4,     144.9,    1875.6,       0.0);         ( 405542.9,
3777966.4,     144.7,    1875.6,       0.0);
     ( 405562.9, 3777966.4,     144.6,    1875.6,       0.0);         ( 405582.9,
3777966.4,     144.4,    1875.6,       0.0);
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     ( 405602.9, 3777966.4,     144.3,    1875.6,       0.0);         ( 404922.9,
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     ( 404942.9, 3777986.4,     145.1,    1875.6,       0.0);         ( 404962.9,
3777986.4,     145.0,    1875.6,       0.0);
     ( 404982.9, 3777986.4,     145.0,    1875.6,       0.0);         ( 405002.9,
3777986.4,     145.0,    1875.6,       0.0);
     ( 405022.9, 3777986.4,     145.0,    1875.6,       0.0);         ( 405042.9,
3777986.4,     145.1,    1875.6,       0.0);
     ( 405062.9, 3777986.4,     145.0,    1875.6,       0.0);         ( 405082.9,
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     ( 405102.9, 3777986.4,     144.9,    1875.6,       0.0);         ( 405122.9,
3777986.4,     144.8,    1875.6,       0.0);
     ( 405142.9, 3777986.4,     144.9,    1875.6,       0.0);         ( 405162.9,
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     ( 405182.9, 3777986.4,     144.8,    1875.6,       0.0);         ( 405202.9,
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     ( 405222.9, 3777986.4,     144.7,    1875.6,       0.0);         ( 405242.9,
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     ( 405262.9, 3777986.4,     144.7,    1875.6,       0.0);         ( 405282.9,
3777986.4,     144.7,    1875.6,       0.0);
     ( 405302.9, 3777986.4,     144.8,    1875.6,       0.0);         ( 405322.9,
3777986.4,     144.8,    1875.6,       0.0);
     ( 405342.9, 3777986.4,     144.9,    1875.6,       0.0);         ( 405362.9,
3777986.4,     144.9,    1875.6,       0.0);
     ( 405382.9, 3777986.4,     144.9,    1875.6,       0.0);         ( 405402.9,
3777986.4,     144.9,    1875.6,       0.0);
     ( 405422.9, 3777986.4,     145.0,    1875.6,       0.0);         ( 405442.9,
3777986.4,     145.0,    1875.6,       0.0);
     ( 405462.9, 3777986.4,     145.1,    1875.6,       0.0);         ( 404922.9,
3778006.4,     145.3,    1875.6,       0.0);
     ( 404942.9, 3778006.4,     145.6,    1875.6,       0.0);         ( 404962.9,
3778006.4,     145.3,    1875.6,       0.0);
     ( 404982.9, 3778006.4,     145.2,    1875.6,       0.0);         ( 405002.9,
3778006.4,     145.2,    1875.6,       0.0);
     ( 405022.9, 3778006.4,     145.3,    1875.6,       0.0);         ( 405042.9,
3778006.4,     145.4,    1875.6,       0.0);
 *** AERMOD - VERSION 21112  ***   ***
C:\Users\apoll\Desktop\HARP2\HARP\Derby\Derby HRA\Derby HRA.isc      ***
11/15/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:03:45

                                  PAGE  91
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                    (METERS)

     ( 405062.9, 3778006.4,     145.3,    1875.6,       0.0);         ( 405082.9,
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3778006.4,     145.1,    1875.6,       0.0);
     ( 405102.9, 3778006.4,     144.8,    1875.6,       0.0);         ( 405122.9,
3778006.4,     145.1,    1875.6,       0.0);
     ( 405142.9, 3778006.4,     145.2,    1875.6,       0.0);         ( 405162.9,
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     ( 405182.9, 3778006.4,     145.1,    1875.6,       0.0);         ( 405202.9,
3778006.4,     145.1,    1875.6,       0.0);
     ( 405222.9, 3778006.4,     145.2,    1875.6,       0.0);         ( 405242.9,
3778006.4,     145.2,    1875.6,       0.0);
     ( 405262.9, 3778006.4,     145.1,    1875.6,       0.0);         ( 405282.9,
3778006.4,     145.1,    1875.6,       0.0);
     ( 405302.9, 3778006.4,     145.2,    1875.6,       0.0);         ( 405322.9,
3778006.4,     145.6,    1875.6,       0.0);
     ( 405342.9, 3778006.4,     145.5,    1875.6,       0.0);         ( 405362.9,
3778006.4,     145.3,    1875.6,       0.0);
     ( 405382.9, 3778006.4,     145.4,    1875.6,       0.0);         ( 405402.9,
3778006.4,     145.4,    1875.6,       0.0);
     ( 405422.9, 3778006.4,     145.5,    1875.6,       0.0);         ( 405442.9,
3778006.4,     145.5,    1875.6,       0.0);
     ( 405462.9, 3778006.4,     145.4,    1875.6,       0.0);         ( 404922.9,
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     ( 404942.9, 3778026.4,     145.9,    1875.6,       0.0);         ( 404962.9,
3778026.4,     145.6,    1875.6,       0.0);
     ( 404982.9, 3778026.4,     145.4,    1875.6,       0.0);         ( 405002.9,
3778026.4,     145.5,    1875.6,       0.0);
     ( 405022.9, 3778026.4,     145.6,    1875.6,       0.0);         ( 405042.9,
3778026.4,     145.7,    1875.6,       0.0);
     ( 405062.9, 3778026.4,     145.6,    1875.6,       0.0);         ( 405082.9,
3778026.4,     145.3,    1875.6,       0.0);
     ( 405102.9, 3778026.4,     145.1,    1875.6,       0.0);         ( 405122.9,
3778026.4,     145.4,    1875.6,       0.0);
     ( 405142.9, 3778026.4,     145.4,    1875.6,       0.0);         ( 405162.9,
3778026.4,     145.4,    1875.6,       0.0);
     ( 405182.9, 3778026.4,     145.4,    1875.6,       0.0);         ( 405202.9,
3778026.4,     145.3,    1875.6,       0.0);
     ( 405222.9, 3778026.4,     145.4,    1875.6,       0.0);         ( 405242.9,
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     ( 405262.9, 3778026.4,     145.4,    1875.6,       0.0);         ( 405282.9,
3778026.4,     145.4,    1875.6,       0.0);
     ( 405302.9, 3778026.4,     145.5,    1875.6,       0.0);         ( 405322.9,
3778026.4,     146.0,    1875.6,       0.0);
     ( 405342.9, 3778026.4,     145.8,    1875.6,       0.0);         ( 405362.9,
3778026.4,     145.6,    1875.6,       0.0);
     ( 405382.9, 3778026.4,     145.7,    1875.6,       0.0);         ( 405402.9,
3778026.4,     145.7,    1875.6,       0.0);
     ( 405422.9, 3778026.4,     145.7,    1875.6,       0.0);         ( 405442.9,
3778026.4,     145.7,    1875.6,       0.0);
     ( 405462.9, 3778026.4,     145.6,    1875.6,       0.0);         ( 404922.9,
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     ( 404942.9, 3778046.4,     145.8,    1875.6,       0.0);         ( 404962.9,
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     (404982.9, 3778046.4,   145.8,   1875.6,   0.0);   (405002.9,
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     (405022.9, 3778046.4,   145.9,   1875.6,   0.0);   (405042.9,
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     (405102.9, 3778046.4,   145.8,   1875.6,   0.0);   (405122.9,
3778046.4,   145.7,   1875.6,   0.0);
     (405142.9, 3778046.4,   145.7,   1875.6,   0.0);   (405162.9,
3778046.4,   145.7,   1875.6,   0.0);
     (405182.9, 3778046.4,   145.5,   1875.6,   0.0);   (405202.9,
3778046.4,   145.5,   1875.6,   0.0);
     (405222.9, 3778046.4,   145.5,   1875.6,   0.0);   (405242.9,
3778046.4,   145.6,   1875.6,   0.0);
     (405262.9, 3778046.4,   145.6,   1875.6,   0.0);   (405282.9,
3778046.4,   145.7,   1875.6,   0.0);
     (405302.9, 3778046.4,   145.7,   1875.6,   0.0);   (405322.9,
3778046.4,   145.8,   1875.6,   0.0);
     (405342.9, 3778046.4,   145.8,   1875.6,   0.0);   (405362.9,
3778046.4,   145.8,   1875.6,   0.0);
     (405382.9, 3778046.4,   145.8,   1875.6,   0.0);   (405402.9,
3778046.4,   145.8,   1875.6,   0.0);
     (405422.9, 3778046.4,   145.8,   1875.6,   0.0);   (405442.9,
3778046.4,   145.7,   1875.6,   0.0);
     (405462.9, 3778046.4,   145.7,   1875.6,   0.0);   (404922.9,
3778066.4,   146.0,   1875.6,   0.0);
     (404942.9, 3778066.4,   146.0,   1875.6,   0.0);   (404962.9,
3778066.4,   145.9,   1875.6,   0.0);
     (404982.9, 3778066.4,   146.0,   1875.6,   0.0);   (405002.9,
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     (405022.9, 3778066.4,   146.1,   1875.6,   0.0);   (405042.9,
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     (405062.9, 3778066.4,   146.2,   1875.6,   0.0);   (405082.9,
3778066.4,   146.2,   1875.6,   0.0);
     (405102.9, 3778066.4,   146.1,   1875.6,   0.0);   (405122.9,
3778066.4,   146.0,   1875.6,   0.0);
     (405142.9, 3778066.4,   146.0,   1875.6,   0.0);   (405162.9,
3778066.4,   146.0,   1875.6,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)

(METERS)

(405182.9, 3778066.4, 145.9, 1875.6, 0.0); (405202.9, 3778066.4, 145.8, 1875.6, 0.0);
(405222.9, 3778066.4, 145.8, 1875.6, 0.0); (405242.9, 3778066.4, 146.8, 1875.6, 0.0);
(405262.9, 3778066.4, 147.0, 1875.6, 0.0); (405282.9, 3778066.4, 146.3, 1875.6, 0.0);
(405302.9, 3778066.4, 146.4, 1875.6, 0.0); (405322.9, 3778066.4, 145.8, 1875.6, 0.0);
(405342.9, 3778066.4, 145.9, 1875.6, 0.0); (405362.9, 3778066.4, 146.2, 1875.6, 0.0);
(405382.9, 3778066.4, 146.2, 1875.6, 0.0); (405402.9, 3778066.4, 146.3, 1875.6, 0.0);
(405422.9, 3778066.4, 146.3, 1875.6, 0.0); (405442.9, 3778066.4, 146.2, 1875.6, 0.0);
(405462.9, 3778066.4, 146.1, 1875.6, 0.0); (404922.9, 3778086.4, 146.2, 1875.6, 0.0);
(404942.9, 3778086.4, 146.3, 1875.6, 0.0); (404962.9, 3778086.4, 146.2, 1875.6, 0.0);
(404982.9, 3778086.4, 146.2, 1875.6, 0.0); (405002.9, 3778086.4, 146.3, 1875.6, 0.0);
(405022.9, 3778086.4, 146.3, 1875.6, 0.0); (405042.9, 3778086.4, 146.4, 1875.6, 0.0);
(405062.9, 3778086.4, 146.5, 1875.6, 0.0); (405082.9, 3778086.4, 146.5, 1875.6, 0.0);
(405102.9, 3778086.4, 146.3, 1875.6, 0.0); (405122.9, 3778086.4, 146.3, 1875.6, 0.0);
(405142.9, 3778086.4, 146.3, 1875.6, 0.0); (405162.9, 3778086.4, 146.2, 1875.6, 0.0);
(405182.9, 3778086.4, 146.2, 1875.6, 0.0); (405202.9, 3778086.4, 146.2, 1875.6, 0.0);
(405222.9, 3778086.4, 146.2, 1875.6, 0.0); (405242.9, 3778086.4, 147.3, 1875.6, 0.0);
(405262.9, 3778086.4, 147.6, 1875.6, 0.0); (405282.9, 3778086.4, 146.7, 1875.6, 0.0);
(405302.9, 3778086.4, 146.8, 1875.6, 0.0); (405322.9, 3778086.4, 146.0, 1875.6, 0.0);
(405342.9, 3778086.4, 146.1, 1875.6, 0.0); (405362.9, 3778086.4, 146.5, 1875.6, 0.0);
(405382.9, 3778086.4, 146.5, 1875.6, 0.0); (405402.9, 3778086.4, 146.6, 1875.6, 0.0);
(405422.9, 3778086.4, 146.6, 1875.6, 0.0); (405442.9, 3778086.4, 146.5, 1875.6, 0.0);
(405462.9, 3778086.4, 146.3, 1875.6, 0.0); (404917.7, 3778096.2, 146.3, 1875.6, 0.0);
(405475.7, 3778102.5, 146.3, 1875.6, 0.0); (405479.5, 3777968.9, 144.9, 1875.6, 0.0);
(405613.9, 3777970.1, 144.3, 1875.6, 0.0); (405621.5, 3777920.2, 143.8, 1875.6, 0.0);

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     ( 405768.6, 3777919.0,     142.7,    1875.6,       0.0);         ( 405777.5,
3777937.7,     143.9,    1875.6,       0.0);
     ( 405908.1, 3777881.5,     142.1,    1875.6,       0.0);         ( 406116.1,
3777816.6,     140.4,    1875.6,       0.0);
     ( 406198.5, 3777786.7,     139.0,    1875.6,       0.0);         ( 406199.8,
3777568.2,     136.5,    1875.6,       0.0);
     ( 404921.5, 3777569.5,     139.8,    1875.6,       0.0);

 *** AERMOD - VERSION 21112  ***   ***
C:\Users\apoll\Desktop\HARP2\HARP\Derby\Derby HRA\Derby HRA.isc      ***
11/15/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:03:45

                                   PAGE  93
 *** 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 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 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,
 *** AERMOD - VERSION 21112  ***   ***
C:\Users\apoll\Desktop\HARP2\HARP\Derby\Derby HRA\Derby HRA.isc      ***
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                    *** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL
DATA ***

   Surface file: ..\AzusaADJU\AZUS_v9.SFC
                Met Version: 16216
   Profile file: ..\AzusaADJU\AZUS_v9.PFL

   Surface format: FREE

   Profile format: FREE

   Surface station no.:   3179   Upper air station no.:   3190
                  Name: UNKNOWN   Name: UNKNOWN

                  Year: 2012   Year: 2012

 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
- -
- - - - - - - - - - - - - - - - - - -
 12 01 01   1 01 -21.3 0.224 -9.000 -9.000 -999. 255.   55.3 0.36   1.68
1.00   1.80   20.   9.1 293.1   5.5
 12 01 01   1 02 -32.6 0.342 -9.000 -9.000 -999. 481.   128.9 0.36   1.68
1.00   2.70   99.   9.1 293.1   5.5
 12 01 01   1 03 -26.4 0.277 -9.000 -9.000 -999. 351.   84.1 0.36   1.68
1.00   2.20   14.   9.1 292.0   5.5
 12 01 01   1 04 -32.6 0.342 -9.000 -9.000 -999. 480.   128.9 0.36   1.68
1.00   2.70   10.   9.1 292.5   5.5
 12 01 01   1 05 -26.4 0.277 -9.000 -9.000 -999. 351.   84.1 0.36   1.68
1.00   2.20   12.   9.1 292.5   5.5
 12 01 01   1 06 -21.6 0.224 -9.000 -9.000 -999. 256.   55.2 0.36   1.68
1.00   1.80 118.   9.1 289.2   5.5
 12 01 01   1 07 -26.6 0.277 -9.000 -9.000 -999. 349.   84.1 0.36   1.68
1.00   2.20   64.   9.1 290.9   5.5
 12 01 01   1 08   -1.3 0.062 -9.000 -9.000 -999. 124.   16.5 0.36   1.68
0.55   0.40   36.   9.1 290.9   5.5
 12 01 01   1 09   38.1 0.160 0.348 0.008   39. 153.   -9.5 0.36   1.68
0.32   0.90 124.   9.1 293.8   5.5
 12 01 01   1 10   99.5 0.179 0.693 0.007 119. 181.   -5.1 0.36   1.68
0.25   0.90   21.   9.1 298.1   5.5
 12 01 01   1 11 142.6 0.494 1.086 0.005 321. 832.   -75.2 0.36   1.68
0.22   3.60 141.   9.1 299.9   5.5

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 12 01 01   1 12  162.8  0.442  1.385  0.005  582.  709.    -47.3  0.36   1.68
0.21    3.10  122.    9.1  299.9    5.5
 12 01 01   1 13  164.4  0.298  1.634  0.005  946.  405.    -14.3  0.36   1.68
0.21    1.80  114.    9.1  300.9    5.5
 12 01 01   1 14  142.7  0.293  1.718  0.005 1265.  382.    -15.8  0.36   1.68
0.22    1.80   93.    9.1  302.5    5.5
 12 01 01   1 15   96.7  0.283  1.575  0.005 1438.  361.    -20.7  0.36   1.68
0.26    1.80  110.    9.1  303.8    5.5
 12 01 01   1 16   41.5  0.207  1.201  0.005 1485.  228.    -18.9  0.36   1.68
0.35    1.30  113.    9.1  304.2    5.5
 12 01 01   1 17  -37.8  0.464 -9.000 -9.000 -999.  757.    236.3  0.36   1.68
0.62    3.60  251.    9.1  300.9    5.5
 12 01 01   1 18  -26.1  0.277 -9.000 -9.000 -999.  379.     84.2  0.36   1.68
1.00    2.20    8.    9.1  296.4    5.5
 12 01 01   1 19 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.36   1.68
1.00  999.00  999.   -9.0  295.9    5.5
 12 01 01   1 20   -5.7  0.107 -9.000 -9.000 -999.   84.     19.3  0.36   1.68
1.00    0.90   35.    9.1  295.4    5.5
 12 01 01   1 21  -21.3  0.224 -9.000 -9.000 -999.  255.     55.3  0.36   1.68
1.00    1.80  213.    9.1  293.8    5.5
 12 01 01   1 22  -21.3  0.224 -9.000 -9.000 -999.  255.     55.3  0.36   1.68
1.00    1.80   52.    9.1  293.8    5.5
 12 01 01   1 23  -26.3  0.277 -9.000 -9.000 -999.  349.     84.2  0.36   1.68
1.00    2.20   58.    9.1  293.8    5.5
 12 01 01   1 24  -21.4  0.224 -9.000 -9.000 -999.  256.     55.3  0.36   1.68
1.00    1.80   83.    9.1  292.5    5.5


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 12 01 01 01    5.5 0 -999.  -99.00   293.2   99.0  -99.00  -99.00
 12 01 01 01    9.1 1   20.    1.80  -999.0   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
 *** AERMOD - VERSION 21112  ***   ***
C:\Users\apoll\Desktop\HARP2\HARP\Derby\Derby HRA\Derby HRA.isc      ***
11/15/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:03:45

                                 PAGE  95
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43848 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
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, 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
404922.92	3777586.44	0.43870	404942.92	3777586.44	0.45161
404962.92	3777586.44	0.46479	404982.92	3777586.44	0.47845
405002.92	3777586.44	0.49255	405022.92	3777586.44	0.50712
405042.92	3777586.44	0.52218	405062.92	3777586.44	0.53769
405082.92	3777586.44	0.55363	405102.92	3777586.44	0.57001
405122.92	3777586.44	0.58681	405142.92	3777586.44	0.60379
405162.92	3777586.44	0.62124	405182.92	3777586.44	0.63884
405202.92	3777586.44	0.65660	405222.92	3777586.44	0.67464
405242.92	3777586.44	0.69271	405262.92	3777586.44	0.71058
405282.92	3777586.44	0.72825	405302.92	3777586.44	0.74568
405322.92	3777586.44	0.76283	405342.92	3777586.44	0.77940
405362.92	3777586.44	0.79542	405382.92	3777586.44	0.81064
405402.92	3777586.44	0.82478	405422.92	3777586.44	0.83776
405442.92	3777586.44	0.84984	405462.92	3777586.44	0.86047
405482.92	3777586.44	0.86957	405502.92	3777586.44	0.87768
405522.92	3777586.44	0.88421	405542.92	3777586.44	0.88904
405562.92	3777586.44	0.89220	405582.92	3777586.44	0.89376
405602.92	3777586.44	0.89374	405622.92	3777586.44	0.89175

```
         405642.92    3777586.44        0.88866                      405662.92
3777586.44        0.88450
         405682.92    3777586.44        0.87871                      405702.92
3777586.44        0.87161
         405722.92    3777586.44        0.86333                      405742.92
3777586.44        0.85387
         405762.92    3777586.44        0.84330                      405782.92
3777586.44        0.83187
         405802.92    3777586.44        0.81902                      405822.92
3777586.44        0.80563
         405842.92    3777586.44        0.79175                      405862.92
3777586.44        0.77712
         405882.92    3777586.44        0.76237                      405902.92
3777586.44        0.74701
         405922.92    3777586.44        0.73144                      405942.92
3777586.44        0.71575
         405962.92    3777586.44        0.69968                      405982.92
3777586.44        0.68363
         406002.92    3777586.44        0.66759                      406022.92
3777586.44        0.65158
         406042.92    3777586.44        0.63560                      406062.92
3777586.44        0.61965
         406082.92    3777586.44        0.60395                      406102.92
3777586.44        0.58851
         406122.92    3777586.44        0.57338                      406142.92
3777586.44        0.55874
         406162.92    3777586.44        0.54435                      406182.92
3777586.44        0.53026
         404922.92    3777606.44        0.44900                      404942.92
3777606.44        0.46253
         404962.92    3777606.44        0.47653                      404982.92
3777606.44        0.49101
         405002.92    3777606.44        0.50599                      405022.92
3777606.44        0.52149
         405042.92    3777606.44        0.53755                      405062.92
3777606.44        0.55411
         405082.92    3777606.44        0.57118                      405102.92
3777606.44        0.58875
         405122.92    3777606.44        0.60680                      405142.92
3777606.44        0.62521
         405162.92    3777606.44        0.64409                      405182.92
3777606.44        0.66325
         405202.92    3777606.44        0.68266                      405222.92
3777606.44        0.70236
 *** AERMOD - VERSION 21112  ***   ***
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11/15/22
 *** AERMET - VERSION  16216 ***   ***
                      ***       09:03:45
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 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
405242.92	3777606.44	0.72218	405262.92	3777606.44	0.74194
405282.92	3777606.44	0.76157	405302.92	3777606.44	0.78096
405322.92	3777606.44	0.79999	405342.92	3777606.44	0.81855
405362.92	3777606.44	0.83650	405382.92	3777606.44	0.85361
405402.92	3777606.44	0.86964	405422.92	3777606.44	0.88455
405442.92	3777606.44	0.89825	405462.92	3777606.44	0.91043
405482.92	3777606.44	0.92101	405502.92	3777606.44	0.93034
405522.92	3777606.44	0.93774	405542.92	3777606.44	0.94350
405562.92	3777606.44	0.94747	405582.92	3777606.44	0.94948
405602.92	3777606.44	0.94958	405622.92	3777606.44	0.94768
405642.92	3777606.44	0.94448	405662.92	3777606.44	0.94002
405682.92	3777606.44	0.93377	405702.92	3777606.44	0.92546
405722.92	3777606.44	0.91594	405742.92	3777606.44	0.90523

405762.92 3777606.44 0.89336 405782.92
3777606.44 0.88057
405802.92 3777606.44 0.86633 405822.92
3777606.44 0.85131
405842.92 3777606.44 0.83569 405862.92
3777606.44 0.81944
405882.92 3777606.44 0.80302 405902.92
3777606.44 0.78596
405922.92 3777606.44 0.76863 405942.92
3777606.44 0.75125
405962.92 3777606.44 0.73361 405982.92
3777606.44 0.71584
406002.92 3777606.44 0.69822 406022.92
3777606.44 0.68072
406042.92 3777606.44 0.66321 406062.92
3777606.44 0.64573
406082.92 3777606.44 0.62864 406102.92
3777606.44 0.61192
406122.92 3777606.44 0.59558 406142.92
3777606.44 0.57964
406162.92 3777606.44 0.56416 406182.92
3777606.44 0.54905
404922.92 3777626.44 0.45948 404942.92
3777626.44 0.47356
404962.92 3777626.44 0.48839 404982.92
3777626.44 0.50384
405002.92 3777626.44 0.51982 405022.92
3777626.44 0.53629
405042.92 3777626.44 0.55318 405062.92
3777626.44 0.57104
405082.92 3777626.44 0.58940 405102.92
3777626.44 0.60827
405122.92 3777626.44 0.62765 405142.92
3777626.44 0.64757
405162.92 3777626.44 0.66803 405182.92
3777626.44 0.68890
405202.92 3777626.44 0.71015 405222.92
3777626.44 0.73174
405242.92 3777626.44 0.75349 405262.92
3777626.44 0.77509
405282.92 3777626.44 0.79682 405302.92
3777626.44 0.81868
405322.92 3777626.44 0.83980 405342.92
3777626.44 0.86079
405362.92 3777626.44 0.88087 405382.92
3777626.44 0.90003
405402.92 3777626.44 0.91850 405422.92
3777626.44 0.93563
405442.92 3777626.44 0.95128 405462.92
3777626.44 0.96521

*** THE PERIOD (43848 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
405562.92	3777626.44	1.00846	405582.92	3777626.44	1.01089
405602.92	3777626.44	1.01124	405622.92	3777626.44	1.00939
405642.92	3777626.44	1.00587	405662.92	3777626.44	1.00080
405682.92	3777626.44	0.99379	405702.92	3777626.44	0.98469
405722.92	3777626.44	0.97403	405742.92	3777626.44	0.96193
405762.92	3777626.44	0.94856	405782.92	3777626.44	0.93419
405802.92	3777626.44	0.91814	405822.92	3777626.44	0.90122
405842.92	3777626.44	0.88371	405862.92	3777626.44	0.86569

405882.92 3777626.44 0.84721 405902.92
3777626.44 0.82812
405922.92 3777626.44 0.80879 405942.92
3777626.44 0.78944
405962.92 3777626.44 0.77007 405982.92
3777626.44 0.75045
406002.92 3777626.44 0.73093 406022.92
3777626.44 0.71157
406042.92 3777626.44 0.69233 406062.92
3777626.44 0.67341
406082.92 3777626.44 0.65483 406102.92
3777626.44 0.63664
406122.92 3777626.44 0.61888 406142.92
3777626.44 0.60161
406162.92 3777626.44 0.58494 406182.92
3777626.44 0.56874
404922.92 3777646.44 0.47014 404942.92
3777646.44 0.48466
404962.92 3777646.44 0.50024 404982.92
3777646.44 0.51690
405002.92 3777646.44 0.53409 405022.92
3777646.44 0.55152
405042.92 3777646.44 0.56886 405062.92
3777646.44 0.58844
405082.92 3777646.44 0.60833 405102.92
3777646.44 0.62860
405122.92 3777646.44 0.64940 405142.92
3777646.44 0.67089
405162.92 3777646.44 0.69313 405182.92
3777646.44 0.71588
405202.92 3777646.44 0.73912 405222.92
3777646.44 0.76290
405242.92 3777646.44 0.78677 405262.92
3777646.44 0.81016
405282.92 3777646.44 0.83413 405302.92
3777646.44 0.85905
405322.92 3777646.44 0.88248 405342.92
3777646.44 0.90640
405362.92 3777646.44 0.92885 405382.92
3777646.44 0.95022
405402.92 3777646.44 0.97179 405422.92
3777646.44 0.99144
405442.92 3777646.44 1.00941 405462.92
3777646.44 1.02538
405482.92 3777646.44 1.03935 405502.92
3777646.44 1.05199
405522.92 3777646.44 1.06221 405542.92
3777646.44 1.07031
405562.92 3777646.44 1.07596 405582.92
3777646.44 1.07885

406002.92 3777646.44 0.76594 406022.92
3777646.44 0.74450
406042.92 3777646.44 0.72336 406062.92
3777646.44 0.70279
406082.92 3777646.44 0.68256 406102.92
3777646.44 0.66278
406122.92 3777646.44 0.64351 406142.92
3777646.44 0.62484
406162.92 3777646.44 0.60686 406182.92
3777646.44 0.58947
404922.92 3777666.44 0.48116 404942.92
3777666.44 0.49660
404962.92 3777666.44 0.51303 404982.92
3777666.44 0.53042
405002.92 3777666.44 0.54848 405022.92
3777666.44 0.56706
405042.92 3777666.44 0.58601 405062.92
3777666.44 0.60656
405082.92 3777666.44 0.62771 405102.92
3777666.44 0.64951
405122.92 3777666.44 0.67202 405142.92
3777666.44 0.69533
405162.92 3777666.44 0.71943 405182.92
3777666.44 0.74418
405202.92 3777666.44 0.76958 405222.92
3777666.44 0.79568
405242.92 3777666.44 0.82205 405262.92
3777666.44 0.84844
405282.92 3777666.44 0.87523 405302.92
3777666.44 0.90244
405322.92 3777666.44 0.92897 405342.92
3777666.44 0.95545
405362.92 3777666.44 0.98097 405382.92
3777666.44 1.00551
405402.92 3777666.44 1.02941 405422.92
3777666.44 1.05172
405442.92 3777666.44 1.07232 405462.92
3777666.44 1.09101
405482.92 3777666.44 1.10767 405502.92
3777666.44 1.12259
405522.92 3777666.44 1.13467 405542.92
3777666.44 1.14422
405562.92 3777666.44 1.15092 405582.92
3777666.44 1.15435
405602.92 3777666.44 1.15547 405622.92
3777666.44 1.15365
405642.92 3777666.44 1.14942 405662.92
3777666.44 1.14291
405682.92 3777666.44 1.13386 405702.92
3777666.44 1.12252

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         405722.92    3777666.44        1.10895                      405742.92
3777666.44        1.09336
         405762.92    3777666.44        1.07607                      405782.92
3777666.44        1.05733
         405802.92    3777666.44        1.03707                      405822.92
3777666.44        1.01569
         405842.92    3777666.44        0.99350                      405862.92
3777666.44        0.97074
         405882.92    3777666.44        0.94726                      405902.92
3777666.44        0.92333
         405922.92    3777666.44        0.89931                      405942.92
3777666.44        0.87538
         405962.92    3777666.44        0.85149                      405982.92
3777666.44        0.82736
         406002.92    3777666.44        0.80341                      406022.92
3777666.44        0.77979
         406042.92    3777666.44        0.75658                      406062.92
3777666.44        0.73394
         406082.92    3777666.44        0.71189                      406102.92
3777666.44        0.69043
         406122.92    3777666.44        0.66961                      406142.92
3777666.44        0.64941
         406162.92    3777666.44        0.63007                      406182.92
3777666.44        0.61134
 *** AERMOD - VERSION 21112  ***   ***
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11/15/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:03:45

                                 PAGE  99
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE PERIOD ( 43848 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
                    **
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X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
404922.92	3777686.44	0.49240	404942.92	3777686.44	0.50889
404962.92	3777686.44	0.52622	404982.92	3777686.44	0.54433
405002.92	3777686.44	0.56328	405022.92	3777686.44	0.58307
405042.92	3777686.44	0.60375	405062.92	3777686.44	0.62532
405082.92	3777686.44	0.64782	405102.92	3777686.44	0.67128
405122.92	3777686.44	0.69564	405142.92	3777686.44	0.72091
405162.92	3777686.44	0.74699	405182.92	3777686.44	0.77390
405202.92	3777686.44	0.80166	405222.92	3777686.44	0.83033
405242.92	3777686.44	0.85941	405262.92	3777686.44	0.88893
405282.92	3777686.44	0.91871	405302.92	3777686.44	0.94860
405322.92	3777686.44	0.97870	405342.92	3777686.44	1.00834
405362.92	3777686.44	1.03741	405382.92	3777686.44	1.06557
405402.92	3777686.44	1.09237	405422.92	3777686.44	1.11805
405442.92	3777686.44	1.14186	405462.92	3777686.44	1.16362
405482.92	3777686.44	1.18319	405502.92	3777686.44	1.20066
405522.92	3777686.44	1.21494	405542.92	3777686.44	1.22627
405562.92	3777686.44	1.23437	405582.92	3777686.44	1.23882
405602.92	3777686.44	1.24038	405622.92	3777686.44	1.23867
405642.92	3777686.44	1.23416	405662.92	3777686.44	1.22698
405682.92	3777686.44	1.21655	405702.92	3777686.44	1.20369
405722.92	3777686.44	1.18820	405742.92	3777686.44	1.17035
405762.92	3777686.44	1.15053	405782.92	3777686.44	1.12910
405802.92	3777686.44	1.10620	405822.92	3777686.44	1.08193

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         405842.92    3777686.44        1.05662                       405862.92
3777686.44        1.03080
         405882.92    3777686.44        1.00428                       405902.92
3777686.44        0.97739
         405922.92    3777686.44        0.95048                       405942.92
3777686.44        0.92378
         405962.92    3777686.44        0.89698                       405982.92
3777686.44        0.87022
         406002.92    3777686.44        0.84374                       406022.92
3777686.44        0.81768
         406042.92    3777686.44        0.79211                       406062.92
3777686.44        0.76728
         406082.92    3777686.44        0.74320                       406102.92
3777686.44        0.71985
         406122.92    3777686.44        0.69725                       406142.92
3777686.44        0.67549
         406162.92    3777686.44        0.65458                       406182.92
3777686.44        0.63436
         404922.92    3777706.44        0.50378                       404942.92
3777706.44        0.52124
         404962.92    3777706.44        0.53952                       404982.92
3777706.44        0.55867
         405002.92    3777706.44        0.57873                       405022.92
3777706.44        0.59974
         405042.92    3777706.44        0.62178                       405062.92
3777706.44        0.64474
         405082.92    3777706.44        0.66887                       405102.92
3777706.44        0.69410
         405122.92    3777706.44        0.72033                       405142.92
3777706.44        0.74769
         405162.92    3777706.44        0.77591                       405182.92
3777706.44        0.80511
         405202.92    3777706.44        0.83540                       405222.92
3777706.44        0.86695
 *** AERMOD - VERSION 21112  ***   ***
C:\Users\apoll\Desktop\HARP2\HARP\Derby\Derby HRA\Derby HRA.isc      ***
11/15/22
 *** AERMET - VERSION  16216 ***   ***
                      ***       09:03:45

                                  PAGE 100
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43848 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
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, 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
405242.92	3777706.44	0.89898	405262.92	3777706.44	0.93159
405282.92	3777706.44	0.96450	405302.92	3777706.44	0.99753
405322.92	3777706.44	1.03186	405342.92	3777706.44	1.06543
405362.92	3777706.44	1.09861	405382.92	3777706.44	1.13087
405402.92	3777706.44	1.16129	405422.92	3777706.44	1.19123
405442.92	3777706.44	1.21890	405462.92	3777706.44	1.24416
405482.92	3777706.44	1.26692	405502.92	3777706.44	1.28731
405522.92	3777706.44	1.30418	405542.92	3777706.44	1.31771
405562.92	3777706.44	1.32764	405582.92	3777706.44	1.33363
405602.92	3777706.44	1.33577	405622.92	3777706.44	1.33417
405642.92	3777706.44	1.32941	405662.92	3777706.44	1.32146
405682.92	3777706.44	1.30929	405702.92	3777706.44	1.29475
405722.92	3777706.44	1.27700	405742.92	3777706.44	1.25643
405762.92	3777706.44	1.23362	405782.92	3777706.44	1.20908
405802.92	3777706.44	1.18295	405822.92	3777706.44	1.15518
405842.92	3777706.44	1.12619	405862.92	3777706.44	1.09677
405882.92	3777706.44	1.06676	405902.92	3777706.44	1.03642
405922.92	3777706.44	1.00615	405942.92	3777706.44	0.97621

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         405962.92    3777706.44        0.94609                    405982.92
3777706.44        0.91638
         406002.92    3777706.44        0.88708                    406022.92
3777706.44        0.85825
         406042.92    3777706.44        0.83006                    406062.92
3777706.44        0.80283
         406082.92    3777706.44        0.77653                    406102.92
3777706.44        0.75109
         406122.92    3777706.44        0.72651                    406142.92
3777706.44        0.70309
         406162.92    3777706.44        0.68046                    406182.92
3777706.44        0.65862
         404922.92    3777726.44        0.51529                    404942.92
3777726.44        0.53369
         404962.92    3777726.44        0.55294                    404982.92
3777726.44        0.57318
         405002.92    3777726.44        0.59442                    405022.92
3777726.44        0.61671
         405042.92    3777726.44        0.64015                    405062.92
3777726.44        0.66462
         405082.92    3777726.44        0.69043                    405102.92
3777726.44        0.71751
         405122.92    3777726.44        0.74575                    405142.92
3777726.44        0.77517
         405162.92    3777726.44        0.80586                    405182.92
3777726.44        0.83773
         405202.92    3777726.44        0.87081                    405222.92
3777726.44        0.90532
         405242.92    3777726.44        0.94070                    405262.92
3777726.44        0.97694
         405282.92    3777726.44        1.01381                    405302.92
3777726.44        1.05114
         405322.92    3777726.44        1.08931                    405342.92
3777726.44        1.12723
         405362.92    3777726.44        1.16486                    405382.92
3777726.44        1.20172
         405402.92    3777726.44        1.23713                    405422.92
3777726.44        1.27147
         405442.92    3777726.44        1.30363                    405462.92
3777726.44        1.33327
         405482.92    3777726.44        1.36004                    405502.92
3777726.44        1.38389
         405522.92    3777726.44        1.40400                    405542.92
3777726.44        1.42023
 *** AERMOD - VERSION 21112  ***   ***
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11/15/22
 *** AERMET - VERSION  16216 ***   ***
                      ***       09:03:45
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 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
405562.92	3777726.44	1.43232	405582.92	3777726.44	1.43998
405602.92	3777726.44	1.44306	405622.92	3777726.44	1.44157
405642.92	3777726.44	1.43611	405662.92	3777726.44	1.42686
405682.92	3777726.44	1.41326	405702.92	3777726.44	1.39642
405722.92	3777726.44	1.37578	405742.92	3777726.44	1.35200
405762.92	3777726.44	1.32589	405782.92	3777726.44	1.29760
405802.92	3777726.44	1.26756	405822.92	3777726.44	1.23582
405842.92	3777726.44	1.20274	405862.92	3777726.44	1.16908
405882.92	3777726.44	1.13528	405902.92	3777726.44	1.10091
405922.92	3777726.44	1.06664	405942.92	3777726.44	1.03295
405962.92	3777726.44	0.99924	405982.92	3777726.44	0.96616
406002.92	3777726.44	0.93353	406022.92	3777726.44	0.90151
406042.92	3777726.44	0.87051	406062.92	3777726.44	0.84072

406082.92 3777726.44 0.81198 406102.92
3777726.44 0.78425
406122.92 3777726.44 0.75756 406142.92
3777726.44 0.73223
406162.92 3777726.44 0.70778 406182.92
3777726.44 0.68421
404922.92 3777746.44 0.52693 404942.92
3777746.44 0.54628
404962.92 3777746.44 0.56654 404982.92
3777746.44 0.58789
405002.92 3777746.44 0.61038 405022.92
3777746.44 0.63404
405042.92 3777746.44 0.65895 405062.92
3777746.44 0.68505
405082.92 3777746.44 0.71262 405102.92
3777746.44 0.74164
405122.92 3777746.44 0.77203 405142.92
3777746.44 0.80370
405162.92 3777746.44 0.83709 405182.92
3777746.44 0.87187
405202.92 3777746.44 0.90800 405222.92
3777746.44 0.94581
405242.92 3777746.44 0.98486 405262.92
3777746.44 1.02512
405282.92 3777746.44 1.06644 405302.92
3777746.44 1.10858
405322.92 3777746.44 1.15118 405342.92
3777746.44 1.19410
405362.92 3777746.44 1.23697 405382.92
3777746.44 1.27924
405402.92 3777746.44 1.32015 405422.92
3777746.44 1.36020
405442.92 3777746.44 1.39766 405462.92
3777746.44 1.43229
405482.92 3777746.44 1.46384 405502.92
3777746.44 1.49122
405522.92 3777746.44 1.51516 405542.92
3777746.44 1.53520
405562.92 3777746.44 1.55053 405582.92
3777746.44 1.56008
405602.92 3777746.44 1.56435 405622.92
3777746.44 1.56313
405642.92 3777746.44 1.55701 405662.92
3777746.44 1.54634
405682.92 3777746.44 1.53088 405702.92
3777746.44 1.51058
405722.92 3777746.44 1.48620 405742.92
3777746.44 1.45891
405762.92 3777746.44 1.42990 405782.92
3777746.44 1.39644

*** THE PERIOD (43848 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
405882.92	3777746.44	1.21042	405902.92	3777746.44	1.17142
405922.92	3777746.44	1.13262	405942.92	3777746.44	1.09466
405962.92	3777746.44	1.05681	405982.92	3777746.44	1.01979
406002.92	3777746.44	0.98348	406022.92	3777746.44	0.94807
406042.92	3777746.44	0.91414	406062.92	3777746.44	0.88133
406082.92	3777746.44	0.84980	406102.92	3777746.44	0.81955
406122.92	3777746.44	0.79056	406142.92	3777746.44	0.76302
406162.92	3777746.44	0.73661	406182.92	3777746.44	0.71128

404922.92 3777766.44 0.53870 404942.92
3777766.44 0.55900
404962.92 3777766.44 0.58033 404982.92
3777766.44 0.60285
405002.92 3777766.44 0.62661 405022.92
3777766.44 0.65171
405042.92 3777766.44 0.67827 405062.92
3777766.44 0.70608
405082.92 3777766.44 0.73549 405102.92
3777766.44 0.76656
405122.92 3777766.44 0.79920 405142.92
3777766.44 0.83355
405162.92 3777766.44 0.86974 405182.92
3777766.44 0.90758
405202.92 3777766.44 0.94710 405222.92
3777766.44 0.98871
405242.92 3777766.44 1.03165 405262.92
3777766.44 1.07631
405282.92 3777766.44 1.12245 405302.92
3777766.44 1.16977
405322.92 3777766.44 1.21773 405342.92
3777766.44 1.26654
405362.92 3777766.44 1.31570 405382.92
3777766.44 1.36435
405402.92 3777766.44 1.41107 405422.92
3777766.44 1.45867
405442.92 3777766.44 1.50236 405462.92
3777766.44 1.54270
405482.92 3777766.44 1.57995 405502.92
3777766.44 1.61055
405522.92 3777766.44 1.63893 405542.92
3777766.44 1.66456
405562.92 3777766.44 1.68473 405582.92
3777766.44 1.69642
405602.92 3777766.44 1.70213 405622.92
3777766.44 1.70148
405642.92 3777766.44 1.69481 405662.92
3777766.44 1.68250
405682.92 3777766.44 1.66466 405702.92
3777766.44 1.63951
405722.92 3777766.44 1.61023 405742.92
3777766.44 1.57915
405762.92 3777766.44 1.54746 405782.92
3777766.44 1.50733
405802.92 3777766.44 1.46709 405822.92
3777766.44 1.42562
405842.92 3777766.44 1.38244 405862.92
3777766.44 1.33728
405882.92 3777766.44 1.29311 405902.92
3777766.44 1.24869

405042.92 3777786.44 0.69772 405062.92
3777786.44 0.72738
405082.92 3777786.44 0.75882 405102.92
3777786.44 0.79210
405122.92 3777786.44 0.82722 405142.92
3777786.44 0.86437
405162.92 3777786.44 0.90356 405182.92
3777786.44 0.94475
405202.92 3777786.44 0.98804 405222.92
3777786.44 1.03374
405242.92 3777786.44 1.08126 405262.92
3777786.44 1.13081
405282.92 3777786.44 1.18227 405302.92
3777786.44 1.23536
405322.92 3777786.44 1.28965 405342.92
3777786.44 1.34504
405362.92 3777786.44 1.40108 405382.92
3777786.44 1.45704
405402.92 3777786.44 1.51180 405422.92
3777786.44 1.56636
405442.92 3777786.44 1.61787 405462.92
3777786.44 1.66618
405482.92 3777786.44 1.71089 405502.92
3777786.44 1.74963
405522.92 3777786.44 1.78414 405542.92
3777786.44 1.81366
405562.92 3777786.44 1.83665 405582.92
3777786.44 1.85138
405602.92 3777786.44 1.85890 405622.92
3777786.44 1.85887
405642.92 3777786.44 1.85155 405662.92
3777786.44 1.83736
405682.92 3777786.44 1.81665 405702.92
3777786.44 1.78892
405722.92 3777786.44 1.75589 405742.92
3777786.44 1.71876
405762.92 3777786.44 1.67860 405782.92
3777786.44 1.63315
405802.92 3777786.44 1.58605 405822.92
3777786.44 1.53722
405842.92 3777786.44 1.48696 405862.92
3777786.44 1.43565
405882.92 3777786.44 1.38458 405902.92
3777786.44 1.33369
405922.92 3777786.44 1.28358 405942.92
3777786.44 1.23489
405962.92 3777786.44 1.18687 405982.92
3777786.44 1.14023
406002.92 3777786.44 1.09505 406022.92
3777786.44 1.05168

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         406042.92    3777786.44        1.01086                      406062.92
3777786.44        0.97116
         406082.92    3777786.44        0.93329                      406102.92
3777786.44        0.89727
         406122.92    3777786.44        0.86308                      406142.92
3777786.44        0.83050
         406162.92    3777786.44        0.79955                      406182.92
3777786.44        0.77023
         404922.92    3777806.44        0.56238                      404942.92
3777806.44        0.58466
         404962.92    3777806.44        0.60817                      404982.92
3777806.44        0.63315
         405002.92    3777806.44        0.65963                      405022.92
3777806.44        0.68765
         405042.92    3777806.44        0.71737                      405062.92
3777806.44        0.74907
         405082.92    3777806.44        0.78268                      405102.92
3777806.44        0.81830
         405122.92    3777806.44        0.85611                      405142.92
3777806.44        0.89622
         405162.92    3777806.44        0.93865                      405182.92
3777806.44        0.98348
         405202.92    3777806.44        1.03088                      405222.92
3777806.44        1.08104
 *** AERMOD - VERSION 21112  ***   ***
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11/15/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:03:45

                                 PAGE 104
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE PERIOD ( 43848 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
                    **
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X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
405242.92	3777806.44	1.13358	405262.92	3777806.44	1.18862
405282.92	3777806.44	1.24602	405302.92	3777806.44	1.30560
405322.92	3777806.44	1.36707	405342.92	3777806.44	1.43013
405362.92	3777806.44	1.49426	405382.92	3777806.44	1.55879
405402.92	3777806.44	1.62288	405422.92	3777806.44	1.68595
405442.92	3777806.44	1.74700	405462.92	3777806.44	1.80494
405482.92	3777806.44	1.85861	405502.92	3777806.44	1.90703
405522.92	3777806.44	1.94934	405542.92	3777806.44	1.98445
405562.92	3777806.44	2.01165	405582.92	3777806.44	2.03039
405602.92	3777806.44	2.04027	405622.92	3777806.44	2.04123
405642.92	3777806.44	2.03349	405662.92	3777806.44	2.01720
405682.92	3777806.44	1.99152	405702.92	3777806.44	1.95981
405722.92	3777806.44	1.92155	405742.92	3777806.44	1.87741
405762.92	3777806.44	1.82838	405782.92	3777806.44	1.77558
405802.92	3777806.44	1.71999	405822.92	3777806.44	1.66241
405842.92	3777806.44	1.60367	405862.92	3777806.44	1.54477
405882.92	3777806.44	1.48578	405902.92	3777806.44	1.42728
405922.92	3777806.44	1.37005	405942.92	3777806.44	1.31466
405962.92	3777806.44	1.26056	405982.92	3777806.44	1.20804
406002.92	3777806.44	1.15758	406022.92	3777806.44	1.10960
406042.92	3777806.44	1.06445	406062.92	3777806.44	1.02080
406082.92	3777806.44	0.97937	406102.92	3777806.44	0.94027
406122.92	3777806.44	0.90357	406142.92	3777806.44	0.86943

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         404922.92    3777826.44        0.57444                        404942.92
3777826.44        0.59787
         404962.92    3777826.44        0.62263                        404982.92
3777826.44        0.64890
         405002.92    3777826.44        0.67670                        405022.92
3777826.44        0.70605
         405042.92    3777826.44        0.73719                        405062.92
3777826.44        0.77139
         405082.92    3777826.44        0.80738                        405102.92
3777826.44        0.84531
         405122.92    3777826.44        0.88587                        405142.92
3777826.44        0.92928
         405162.92    3777826.44        0.97519                        405182.92
3777826.44        1.02390
         405202.92    3777826.44        1.07566                        405222.92
3777826.44        1.13066
         405242.92    3777826.44        1.18855                        405262.92
3777826.44        1.24963
         405282.92    3777826.44        1.31382                        405302.92
3777826.44        1.38081
         405322.92    3777826.44        1.45026                        405342.92
3777826.44        1.52246
         405362.92    3777826.44        1.59636                        405382.92
3777826.44        1.67103
         405402.92    3777826.44        1.74535                        405422.92
3777826.44        1.81965
         405442.92    3777826.44        1.89230                        405462.92
3777826.44        1.96160
         405482.92    3777826.44        2.02590                        405502.92
3777826.44        2.08502
         405522.92    3777826.44        2.13731                        405542.92
3777826.44        2.18105
         405562.92    3777826.44        2.21518                        405582.92
3777826.44        2.23922
 *** AERMOD - VERSION 21112  ***   ***
C:\Users\apoll\Desktop\HARP2\HARP\Derby\Derby HRA\Derby HRA.isc      ***
11/15/22
 *** AERMET - VERSION  16216 ***   ***
                      ***       09:03:45

                                PAGE 105
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                             *** THE PERIOD ( 43848 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
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, 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
405602.92	3777826.44	2.25211	405622.92	3777826.44	2.25446
405642.92	3777826.44	2.24652	405662.92	3777826.44	2.22797
405682.92	3777826.44	2.19414	405702.92	3777826.44	2.15646
405722.92	3777826.44	2.11123	405742.92	3777826.44	2.05867
405762.92	3777826.44	2.00040	405782.92	3777826.44	1.93758
405802.92	3777826.44	1.87150	405822.92	3777826.44	1.80338
405842.92	3777826.44	1.73449	405862.92	3777826.44	1.66619
405882.92	3777826.44	1.59798	405902.92	3777826.44	1.53060
405922.92	3777826.44	1.46497	405942.92	3777826.44	1.40195
405962.92	3777826.44	1.34094	405982.92	3777826.44	1.28166
406002.92	3777826.44	1.22536	406022.92	3777826.44	1.17238
406042.92	3777826.44	1.12254	406062.92	3777826.44	1.07456
406082.92	3777826.44	1.02904	404922.92	3777846.44	0.58643
404942.92	3777846.44	0.61092	404962.92	3777846.44	0.63688
404982.92	3777846.44	0.66447	405002.92	3777846.44	0.69375
405022.92	3777846.44	0.72481	405042.92	3777846.44	0.75791
405062.92	3777846.44	0.79410	405082.92	3777846.44	0.83236
405102.92	3777846.44	0.87289	405122.92	3777846.44	0.91637

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         405142.92    3777846.44        0.96303                    405162.92
3777846.44        1.01269
         405182.92    3777846.44        1.06564                    405202.92
3777846.44        1.12213
         405222.92    3777846.44        1.18244                    405242.92
3777846.44        1.24631
         405262.92    3777846.44        1.31408                    405282.92
3777846.44        1.38572
         405302.92    3777846.44        1.46107                    405322.92
3777846.44        1.53978
         405342.92    3777846.44        1.62198                    405362.92
3777846.44        1.70680
         405382.92    3777846.44        1.79338                    405402.92
3777846.44        1.88060
         405422.92    3777846.44        1.96824                    405442.92
3777846.44        2.05459
         405462.92    3777846.44        2.13786                    405482.92
3777846.44        2.21626
         405502.92    3777846.44        2.28878                    405522.92
3777846.44        2.35352
         405542.92    3777846.44        2.40835                    405562.92
3777846.44        2.45163
         405582.92    3777846.44        2.48232                    405602.92
3777846.44        2.49929
         405622.92    3777846.44        2.50279                    405642.92
3777846.44        2.49320
         405662.92    3777846.44        2.47041                    405682.92
3777846.44        2.42923
         405702.92    3777846.44        2.38498                    405722.92
3777846.44        2.33099
         405742.92    3777846.44        2.26741                    405762.92
3777846.44        2.19673
         405782.92    3777846.44        2.12202                    405802.92
3777846.44        2.04356
         405822.92    3777846.44        1.96291                    405842.92
3777846.44        1.88168
         405862.92    3777846.44        1.80150                    405882.92
3777846.44        1.72302
         405902.92    3777846.44        1.64524                    405922.92
3777846.44        1.56953
         405942.92    3777846.44        1.49754                    405962.92
3777846.44        1.42806
         405982.92    3777846.44        1.36173                    406002.92
3777846.44        1.29906
 *** AERMOD - VERSION 21112  ***   ***
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11/15/22
 *** AERMET - VERSION  16216 ***   ***
                      ***       09:03:45
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 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
404922.92	3777866.44	0.59832	404942.92	3777866.44	0.62382
404962.92	3777866.44	0.65095	404982.92	3777866.44	0.67987
405002.92	3777866.44	0.71077	405022.92	3777866.44	0.74381
405042.92	3777866.44	0.77918	405062.92	3777866.44	0.81711
405082.92	3777866.44	0.85763	405102.92	3777866.44	0.90097
405122.92	3777866.44	0.94754	405142.92	3777866.44	0.99754
405162.92	3777866.44	1.05121	405182.92	3777866.44	1.10874
405202.92	3777866.44	1.17034	405222.92	3777866.44	1.23643
405242.92	3777866.44	1.30692	405262.92	3777866.44	1.38207
405282.92	3777866.44	1.46200	405302.92	3777866.44	1.54675
405322.92	3777866.44	1.63598	405342.92	3777866.44	1.72959
405362.92	3777866.44	1.82706	405382.92	3777866.44	1.92767
405402.92	3777866.44	2.03041	405422.92	3777866.44	2.13411

405442.92 3777866.44 2.23732 405462.92
3777866.44 2.33798
405482.92 3777866.44 2.43376 405502.92
3777866.44 2.52329
405522.92 3777866.44 2.60380 405542.92
3777866.44 2.67272
405562.92 3777866.44 2.72787 405582.92
3777866.44 2.76737
405602.92 3777866.44 2.79019 405622.92
3777866.44 2.79551
405642.92 3777866.44 2.78413 405662.92
3777866.44 2.75646
405682.92 3777866.44 2.70764 405702.92
3777866.44 2.65388
405722.92 3777866.44 2.58797 405742.92
3777866.44 2.51035
405762.92 3777866.44 2.42412 405782.92
3777866.44 2.33417
405802.92 3777866.44 2.24003 405822.92
3777866.44 2.14405
405842.92 3777866.44 2.04824 405862.92
3777866.44 1.95367
405882.92 3777866.44 1.86200 405902.92
3777866.44 1.77200
405922.92 3777866.44 1.68578 405942.92
3777866.44 1.60567
404922.92 3777886.44 0.61014 404942.92
3777886.44 0.63672
404962.92 3777886.44 0.66513 404982.92
3777886.44 0.69545
405002.92 3777886.44 0.72790 405022.92
3777886.44 0.76270
405042.92 3777886.44 0.80008 405062.92
3777886.44 0.84038
405082.92 3777886.44 0.88352 405102.92
3777886.44 0.92969
405122.92 3777886.44 0.97916 405142.92
3777886.44 1.03300
405162.92 3777886.44 1.09096 405182.92
3777886.44 1.15332
405202.92 3777886.44 1.22045 405222.92
3777886.44 1.29291
405242.92 3777886.44 1.37057 405262.92
3777886.44 1.45388
405282.92 3777886.44 1.54307 405302.92
3777886.44 1.63836
405322.92 3777886.44 1.73913 405342.92
3777886.44 1.84619
405362.92 3777886.44 1.95873 405382.92
3777886.44 2.07592

*** THE PERIOD (43848 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
405482.92	3777886.44	2.68338	405502.92	3777886.44	2.79450
405522.92	3777886.44	2.89521	405542.92	3777886.44	2.98212
405562.92	3777886.44	3.05234	405582.92	3777886.44	3.10383
405602.92	3777886.44	3.13525	405622.92	3777886.44	3.14393
405642.92	3777886.44	3.13116	405662.92	3777886.44	3.09867
405682.92	3777886.44	3.04254	405702.92	3777886.44	2.97385
405722.92	3777886.44	2.89107	405742.92	3777886.44	2.79551
405762.92	3777886.44	2.68948	405782.92	3777886.44	2.57964

405802.92 3777886.44 2.46547 405822.92
3777886.44 2.35060
405842.92 3777886.44 2.23747 405862.92
3777886.44 2.12539
405882.92 3777886.44 2.01695 404922.92
3777906.44 0.62180
404942.92 3777906.44 0.64949 404962.92
3777906.44 0.67915
404982.92 3777906.44 0.71088 405002.92
3777906.44 0.74494
405022.92 3777906.44 0.78155 405042.92
3777906.44 0.82095
405062.92 3777906.44 0.86350 405082.92
3777906.44 0.90924
405102.92 3777906.44 0.95841 405122.92
3777906.44 1.01132
405142.92 3777906.44 1.06905 405162.92
3777906.44 1.13144
405182.92 3777906.44 1.19891 405202.92
3777906.44 1.27193
405222.92 3777906.44 1.35114 405242.92
3777906.44 1.43661
405262.92 3777906.44 1.52890 405282.92
3777906.44 1.62840
405302.92 3777906.44 1.73546 405322.92
3777906.44 1.84984
405342.92 3777906.44 1.97223 405362.92
3777906.44 2.10211
405382.92 3777906.44 2.23875 405402.92
3777906.44 2.38124
405422.92 3777906.44 2.52800 405442.92
3777906.44 2.67774
405462.92 3777906.44 2.82697 405482.92
3777906.44 2.97133
405502.92 3777906.44 3.11025 405522.92
3777906.44 3.23782
405542.92 3777906.44 3.34903 405562.92
3777906.44 3.43975
405582.92 3777906.44 3.50771 405602.92
3777906.44 3.54981
405622.92 3777906.44 3.56371 405642.92
3777906.44 3.54977
405662.92 3777906.44 3.50961 405682.92
3777906.44 3.44325
405702.92 3777906.44 3.35635 405722.92
3777906.44 3.25167
405742.92 3777906.44 3.13226 405762.92
3777906.44 3.00094
405782.92 3777906.44 2.86541 405802.92
3777906.44 2.72640

         405162.92   3777926.44   1.17252   405182.92
3777926.44   1.24533
         405202.92   3777926.44   1.32464   405222.92
3777926.44   1.41103
         405242.92   3777926.44   1.50494   405262.92
3777926.44   1.60704

405282.92 3777926.44 1.71795 405302.92
3777926.44 1.83814
405322.92 3777926.44 1.96809 405342.92
3777926.44 2.10799
405362.92 3777926.44 2.25779 405382.92
3777926.44 2.41716
405402.92 3777926.44 2.58559 405422.92
3777926.44 2.76102
405442.92 3777926.44 2.94172 405462.92
3777926.44 3.12442
405482.92 3777926.44 3.30490 405502.92
3777926.44 3.48018
405522.92 3777926.44 3.64309 405542.92
3777926.44 3.78701
405562.92 3777926.44 3.90602 405582.92
3777926.44 3.99678
405602.92 3777926.44 4.05403 405782.92
3777926.44 3.20324
405802.92 3777926.44 3.03425 404922.92
3777946.44 0.64452
404942.92 3777946.44 0.67450 404962.92
3777946.44 0.70657
404982.92 3777946.44 0.74116 405002.92
3777946.44 0.77847
405022.92 3777946.44 0.81873 405042.92
3777946.44 0.86225
405062.92 3777946.44 0.90938 405082.92
3777946.44 0.96052
405102.92 3777946.44 1.01608 405122.92
3777946.44 1.07654
405142.92 3777946.44 1.14233 405162.92
3777946.44 1.21419
405182.92 3777946.44 1.29274 405202.92
3777946.44 1.37865
405222.92 3777946.44 1.47272 405242.92
3777946.44 1.57552
405262.92 3777946.44 1.68825 405282.92
3777946.44 1.81175
405302.92 3777946.44 1.94652 405322.92
3777946.44 2.09341
405342.92 3777946.44 2.25337 405362.92
3777946.44 2.42596
405382.92 3777946.44 2.61100 405402.92
3777946.44 2.81177
405422.92 3777946.44 3.02238 405442.92
3777946.44 3.24253
405462.92 3777946.44 3.46817 405482.92
3777946.44 3.69305
405502.92 3777946.44 3.91646 405522.92
3777946.44 4.12542

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         405542.92    3777946.44        4.31338                      405562.92
3777946.44        4.47288
         405582.92    3777946.44        4.59588                      405602.92
3777946.44        4.67603
         404922.92    3777966.44        0.65547                      404942.92
3777966.44        0.68656
         404962.92    3777966.44        0.71987                      404982.92
3777966.44        0.75587
         405002.92    3777966.44        0.79479                      405022.92
3777966.44        0.83686
         405042.92    3777966.44        0.88250                      405062.92
3777966.44        0.93208
         405082.92    3777966.44        0.98600                      405102.92
3777966.44        1.04478
         405122.92    3777966.44        1.10896                      405142.92
3777966.44        1.17910
         405162.92    3777966.44        1.25602                      405182.92
3777966.44        1.34048
         405202.92    3777966.44        1.43330                      405222.92
3777966.44        1.53547
         405242.92    3777966.44        1.64788                      405262.92
3777966.44        1.77202
         405282.92    3777966.44        1.90904                      405302.92
3777966.44        2.05989
 *** AERMOD - VERSION 21112  ***   ***
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11/15/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:03:45

                                 PAGE 109
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                             *** THE PERIOD ( 43848 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
                    **
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X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
405322.92	3777966.44	2.22583	405342.92	3777966.44	2.40841
405362.92	3777966.44	2.60779	405382.92	3777966.44	2.82433
405402.92	3777966.44	3.06148	405422.92	3777966.44	3.31452
405442.92	3777966.44	3.58290	405462.92	3777966.44	3.86263
405482.92	3777966.44	4.14702	405502.92	3777966.44	4.43265
405522.92	3777966.44	4.70498	405542.92	3777966.44	4.95451
405562.92	3777966.44	5.17040	405582.92	3777966.44	5.33997
405602.92	3777966.44	5.45342	404922.92	3777986.44	0.66603
404942.92	3777986.44	0.69815	404962.92	3777986.44	0.73273
404982.92	3777986.44	0.77011	405002.92	3777986.44	0.81059
405022.92	3777986.44	0.85453	405042.92	3777986.44	0.90230
405062.92	3777986.44	0.95425	405082.92	3777986.44	1.01094
405102.92	3777986.44	1.07293	405122.92	3777986.44	1.14085
405142.92	3777986.44	1.21556	405162.92	3777986.44	1.29769
405182.92	3777986.44	1.38821	405202.92	3777986.44	1.48821
405222.92	3777986.44	1.59884	405242.92	3777986.44	1.72157
405262.92	3777986.44	1.85783	405282.92	3777986.44	2.00928
405302.92	3777986.44	2.17771	405322.92	3777986.44	2.36490
405342.92	3777986.44	2.57285	405362.92	3777986.44	2.80314
405382.92	3777986.44	3.05737	405402.92	3777986.44	3.33651
405422.92	3777986.44	3.64078	405442.92	3777986.44	3.96872
405462.92	3777986.44	4.31697	404922.92	3778006.44	0.67614
404942.92	3778006.44	0.70939	404962.92	3778006.44	0.74512

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         404982.92    3778006.44        0.78383                        405002.92
3778006.44        0.82589
         405022.92    3778006.44        0.87169                        405042.92
3778006.44        0.92155
         405062.92    3778006.44        0.97589                        405082.92
3778006.44        1.03523
         405102.92    3778006.44        1.10033                        405122.92
3778006.44        1.17229
         405142.92    3778006.44        1.25146                        405162.92
3778006.44        1.33887
         405182.92    3778006.44        1.43564                        405202.92
3778006.44        1.54306
         405222.92    3778006.44        1.66278                        405242.92
3778006.44        1.79622
         405262.92    3778006.44        1.94534                        405282.92
3778006.44        2.11235
         405302.92    3778006.44        2.29989                        405322.92
3778006.44        2.51118
         405342.92    3778006.44        2.74723                        405362.92
3778006.44        3.01164
         405382.92    3778006.44        3.30825                        405402.92
3778006.44        3.63907
         405422.92    3778006.44        4.00557                        405442.92
3778006.44        4.40776
         405462.92    3778006.44        4.84341                        404922.92
3778026.44        0.68572
         404942.92    3778026.44        0.72002                        404962.92
3778026.44        0.75691
         404982.92    3778026.44        0.79694                        405002.92
3778026.44        0.84054
         405022.92    3778026.44        0.88811                        405042.92
3778026.44        0.94001
         405062.92    3778026.44        0.99671                        405082.92
3778026.44        1.05879
 *** AERMOD - VERSION 21112  ***   ***
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11/15/22
 *** AERMET - VERSION  16216 ***   ***
                      ***       09:03:45

                                PAGE 110
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                             *** THE PERIOD ( 43848 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
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, 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
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         405102.92    3778026.44        1.12706                       405122.92
3778026.44        1.20283
         405142.92    3778026.44        1.28644                       405162.92
3778026.44        1.37912
         405182.92    3778026.44        1.48217                       405202.92
3778026.44        1.59715
         405222.92    3778026.44        1.72602                       405242.92
3778026.44        1.87053
         405262.92    3778026.44        2.03312                       405282.92
3778026.44        2.21664
         405302.92    3778026.44        2.42451                       405322.92
3778026.44        2.66089
         405342.92    3778026.44        2.92810                       405362.92
3778026.44        3.23136
         405382.92    3778026.44        3.57634                       405402.92
3778026.44        3.96730
         405422.92    3778026.44        4.40833                       405442.92
3778026.44        4.90232
         405462.92    3778026.44        5.44952                       404922.92
3778046.44        0.69471
         404942.92    3778046.44        0.72988                       404962.92
3778046.44        0.76797
         404982.92    3778046.44        0.80936                       405002.92
3778046.44        0.85444
         405022.92    3778046.44        0.90363                       405042.92
3778046.44        0.95748
         405062.92    3778046.44        1.01652                       405082.92
3778046.44        1.08142
         405102.92    3778046.44        1.15300                       405122.92
3778046.44        1.23216
         405142.92    3778046.44        1.32014                       405162.92
3778046.44        1.41800
         405182.92    3778046.44        1.52725                       405202.92
3778046.44        1.64977
         405222.92    3778046.44        1.78775                       405242.92
3778046.44        1.94352
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         405262.92    3778046.44        2.12004                     405282.92
3778046.44        2.32081
         405302.92    3778046.44        2.54998                     405322.92
3778046.44        2.81233
         405342.92    3778046.44        3.11355                     405362.92
3778046.44        3.46020
         405382.92    3778046.44        3.85963                     405402.92
3778046.44        4.31996
         405422.92    3778046.44        4.84947                     405442.92
3778046.44        5.45596
         405462.92    3778046.44        6.14519                     404922.92
3778066.44        0.70307
         404942.92    3778066.44        0.73915                     404962.92
3778066.44        0.77828
         404982.92    3778066.44        0.82089                     405002.92
3778066.44        0.86738
         405022.92    3778066.44        0.91816                     405042.92
3778066.44        0.97386
         405062.92    3778066.44        1.03510                     405082.92
3778066.44        1.10259
         405102.92    3778066.44        1.17718                     405122.92
3778066.44        1.25991
         405142.92    3778066.44        1.35212                     405162.92
3778066.44        1.45510
         405182.92    3778066.44        1.57055                     405202.92
3778066.44        1.70059
         405222.92    3778066.44        1.84764                     405242.92
3778066.44        2.01557
         405262.92    3778066.44        2.20623                     405282.92
3778066.44        2.42396
         405302.92    3778066.44        2.67530                     405322.92
3778066.44        2.96447
         405342.92    3778066.44        3.30175                     405362.92
3778066.44        3.69571
         405382.92    3778066.44        4.15586                     405402.92
3778066.44        4.69557
         405422.92    3778066.44        5.32938                     405442.92
3778066.44        6.07281
         405462.92    3778066.44        6.94063                     404922.92
3778086.44        0.71073
         404942.92    3778086.44        0.74766                     404962.92
3778086.44        0.78777
         404982.92    3778086.44        0.83149                     405002.92
3778086.44        0.87926
 *** AERMOD - VERSION 21112  ***   ***
C:\Users\apoll\Desktop\HARP2\HARP\Derby\Derby HRA\Derby HRA.isc      ***
11/15/22
 *** AERMET - VERSION  16216 ***   ***
                      ***       09:03:45
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 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
405022.92	3778086.44	0.93155	405042.92	3778086.44	0.98898
405062.92	3778086.44	1.05227	405082.92	3778086.44	1.12217
405102.92	3778086.44	1.19960	405122.92	3778086.44	1.28576
405142.92	3778086.44	1.38199	405162.92	3778086.44	1.48984
405182.92	3778086.44	1.61124	405202.92	3778086.44	1.74854
405222.92	3778086.44	1.90447	405242.92	3778086.44	2.08287
405262.92	3778086.44	2.28537	405282.92	3778086.44	2.52311
405302.92	3778086.44	2.79669	405322.92	3778086.44	3.11456
405342.92	3778086.44	3.48923	405362.92	3778086.44	3.93256
405382.92	3778086.44	4.45832	405402.92	3778086.44	5.08618
405422.92	3778086.44	5.83935	405442.92	3778086.44	6.74545
405462.92	3778086.44	7.83551	404917.73	3778096.23	0.70500
405475.70	3778102.48	9.60863	405479.50	3777968.91	4.15796

                              *** 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)
 -
- -
        404922.92   3777586.44   13.37003 (16012217)   404942.92
3777586.44   13.72649 (16012217)
        404962.92   3777586.44   14.08997 (16012217)   404982.92
3777586.44   14.46391 (16012217)
        405002.92   3777586.44   14.84773 (16012217)   405022.92
3777586.44   15.24159 (16012217)
        405042.92   3777586.44   15.64594 (16012217)   405062.92
3777586.44   16.05985 (16012217)
        405082.92   3777586.44   17.78475 (12111715)   405102.92
3777586.44   21.27582 (12111715)

405122.92 3777586.44 25.16554 (12111715) 405142.92
3777586.44 29.40671 (12111715)
405162.92 3777586.44 33.93867 (12111715) 405182.92
3777586.44 38.65026 (12111715)
405202.92 3777586.44 43.40885 (12111715) 405222.92
3777586.44 48.05885 (12111715)
405242.92 3777586.44 52.40383 (12111715) 405262.92
3777586.44 56.23399 (12111715)
405282.92 3777586.44 59.34708 (12111715) 405302.92
3777586.44 61.55574 (12111715)
405322.92 3777586.44 62.70217 (12111715) 405342.92
3777586.44 62.66372 (12111715)
405362.92 3777586.44 62.20308 (12021515) 405382.92
3777586.44 65.23534 (12021515)
405402.92 3777586.44 67.02460 (12021515) 405422.92
3777586.44 67.41501 (12021515)
405442.92 3777586.44 66.34978 (12021515) 405462.92
3777586.44 63.82547 (12021515)
405482.92 3777586.44 59.96114 (12021515) 405502.92
3777586.44 54.99584 (12021515)
405522.92 3777586.44 49.18510 (12021515) 405542.92
3777586.44 42.85608 (12021515)
405562.92 3777586.44 40.48889 (15122816) 405582.92
3777586.44 41.87597 (15122816)
405602.92 3777586.44 42.38123 (15122816) 405622.92
3777586.44 42.11746 (12101116)
405642.92 3777586.44 45.96129 (12101116) 405662.92
3777586.44 48.99606 (12101116)
405682.92 3777586.44 51.01192 (12101116) 405702.92
3777586.44 51.89480 (12101116)
405722.92 3777586.44 51.60053 (12101116) 405742.92
3777586.44 50.16075 (12101116)
405762.92 3777586.44 53.75013 (12042618) 405782.92
3777586.44 58.22920 (12042618)
405802.92 3777586.44 61.69036 (12042618) 405822.92
3777586.44 64.00197 (12042618)
405842.92 3777586.44 65.06801 (12042618) 405862.92
3777586.44 64.85384 (12042618)
405882.92 3777586.44 63.44265 (12042618) 405902.92
3777586.44 60.92587 (12042618)
405922.92 3777586.44 57.49024 (12042618) 405942.92
3777586.44 53.33938 (12042618)
405962.92 3777586.44 48.67491 (12042618) 405982.92
3777586.44 43.72829 (12042618)
406002.92 3777586.44 42.19990 (12111716) 406022.92
3777586.44 42.41683 (12111716)
406042.92 3777586.44 41.93471 (12111716) 406062.92
3777586.44 40.80812 (12111716)
406082.92 3777586.44 39.12595 (12111716) 406102.92
3777586.44 36.98613 (12111716)

406122.92   3777586.44   34.49690 (12111716)   406142.92
3777586.44   31.77201 (12111716)
406162.92   3777586.44   28.90602 (12111716)   406182.92
3777586.44   25.99476 (12111716)
404922.92   3777606.44   13.68650 (16012217)   404942.92
3777606.44   14.06068 (16012217)
404962.92   3777606.44   14.44564 (16012217)   404982.92
3777606.44   14.84154 (16012217)
405002.92   3777606.44   15.24841 (16012217)   405022.92
3777606.44   15.66662 (16012217)
405042.92   3777606.44   16.09668 (16012217)   405062.92
3777606.44   16.53745 (16012217)
405082.92   3777606.44   16.98904 (16012217)   405102.92
3777606.44   19.73560 (12111715)
405122.92   3777606.44   23.60390 (12111715)   405142.92
3777606.44   27.89412 (12111715)
405162.92   3777606.44   32.55485 (12111715)   405182.92
3777606.44   37.49323 (12111715)
405202.92   3777606.44   42.58427 (12111715)   405222.92
3777606.44   47.66988 (12111715)

*** 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)
- -

405242.92 3777606.44 52.55369 (12111715) 405262.92
3777606.44 57.01320 (12111715)
405282.92 3777606.44 60.82003 (12111715) 405302.92
3777606.44 63.74968 (12111715)
405322.92 3777606.44 65.60056 (12111715) 405342.92
3777606.44 66.21774 (12111715)
405362.92 3777606.44 65.50652 (12111715) 405382.92
3777606.44 67.59041 (12021515)
405402.92 3777606.44 70.05133 (12021515) 405422.92
3777606.44 71.04444 (12021515)
405442.92 3777606.44 70.45218 (12021515) 405462.92
3777606.44 68.24596 (12021515)
405482.92 3777606.44 64.52431 (12021515) 405502.92
3777606.44 59.51111 (12021515)
405522.92 3777606.44 53.47234 (12021515) 405542.92
3777606.44 46.77965 (12021515)
405562.92 3777606.44 42.44338 (15122816) 405582.92
3777606.44 44.01036 (15122816)
405602.92 3777606.44 44.61381 (15122816) 405622.92
3777606.44 44.51085 (12101116)
405642.92 3777606.44 48.60823 (12101116) 405662.92
3777606.44 51.80640 (12101116)
405682.92 3777606.44 53.87792 (12101116) 405702.92
3777606.44 54.67741 (12101116)
405722.92 3777606.44 54.19279 (12101116) 405742.92
3777606.44 52.55667 (12042618)
405762.92 3777606.44 58.00328 (12042618) 405782.92
3777606.44 62.54357 (12042618)
405802.92 3777606.44 65.91058 (12042618) 405822.92
3777606.44 67.96521 (12042618)
405842.92 3777606.44 68.63441 (12042618) 405862.92
3777606.44 67.92052 (12042618)
405882.92 3777606.44 65.93395 (12042618) 405902.92
3777606.44 62.80329 (12042618)
405922.92 3777606.44 58.75215 (12042618) 405942.92
3777606.44 54.02255 (12042618)
405962.92 3777606.44 48.84505 (12042618) 405982.92
3777606.44 44.18990 (12111716)
406002.92 3777606.44 44.71764 (12111716) 406022.92
3777606.44 44.46840 (12111716)
406042.92 3777606.44 43.48629 (12111716) 406062.92
3777606.44 41.85364 (12111716)
406082.92 3777606.44 39.68965 (12111716) 406102.92
3777606.44 37.10971 (12111716)
406122.92 3777606.44 34.23479 (12111716) 406142.92
3777606.44 31.18274 (12111716)
406162.92 3777606.44 28.06249 (12111716) 406182.92
3777606.44 26.97658 (14120116)
404922.92 3777626.44 14.00834 (16012217) 404942.92
3777626.44 14.39954 (16012217)

```
        404962.92   3777626.44       14.80659  (16012217)                404982.92
3777626.44       15.22726  (16012217)
        405002.92   3777626.44       15.65984  (16012217)                405022.92
3777626.44       16.10338  (16012217)
        405042.92   3777626.44       16.55694  (16012217)                405062.92
3777626.44       17.02952  (16012217)
        405082.92   3777626.44       17.51306  (16012217)                405102.92
3777626.44       18.13841  (12111715)
        405122.92   3777626.44       21.94264  (12111715)                405142.92
3777626.44       26.23390  (12111715)
        405162.92   3777626.44       30.97602  (12111715)                405182.92
3777626.44       36.09499  (12111715)
        405202.92   3777626.44       41.47869  (12111715)                405222.92
3777626.44       46.97515  (12111715)
        405242.92   3777626.44       52.38583  (12111715)                405262.92
3777626.44       57.47246  (12111715)
        405282.92   3777626.44       62.00152  (12111715)                405302.92
3777626.44       65.72414  (12111715)
        405322.92   3777626.44       68.35942  (12111715)                405342.92
3777626.44       69.74132  (12111715)
        405362.92   3777626.44       69.69211  (12111715)                405382.92
3777626.44       69.85486  (12021515)
        405402.92   3777626.44       73.08593  (12021515)                405422.92
3777626.44       74.77796  (12021515)
        405442.92   3777626.44       74.75657  (12021515)                405462.92
3777626.44       72.95453  (12021515)
        405482.92   3777626.44       69.44109  (12021515)                405502.92
3777626.44       64.43229  (12021515)
        405522.92   3777626.44       58.19379  (12021515)                405542.92
3777626.44       51.13085  (12021515)
 *** AERMOD - VERSION 21112  ***   ***
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11/15/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:03:45

                                 PAGE 114
 *** 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    ,  . . .      ,
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*** 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)
405562.92	3777626.44	44.54704	(15122816)	405582.92	3777626.44	46.31580	(15122816)
405602.92	3777626.44	47.03651	(15122816)	405622.92	3777626.44	47.11400	(12101116)
405642.92	3777626.44	51.48283	(12101116)	405662.92	3777626.44	54.84569	(12101116)
405682.92	3777626.44	56.96061	(12101116)	405702.92	3777626.44	57.67880	(12101116)
405722.92	3777626.44	56.98144	(12101116)	405742.92	3777626.44	57.01313	(12042618)
405762.92	3777626.44	62.65286	(12042618)	405782.92	3777626.44	67.21761	(12042618)
405802.92	3777626.44	70.42204	(12042618)	405822.92	3777626.44	72.14431	(12042618)
405842.92	3777626.44	72.33736	(12042618)	405862.92	3777626.44	71.04489	(12042618)
405882.92	3777626.44	68.39581	(12042618)	405902.92	3777626.44	64.57963	(12042618)
405922.92	3777626.44	59.86105	(12042618)	405942.92	3777626.44	54.51712	(12042618)
405962.92	3777626.44	48.81290	(12042618)	405982.92	3777626.44	47.10679	(12111716)
406002.92	3777626.44	47.13605	(12111716)	406022.92	3777626.44	46.34197	(12111716)
406042.92	3777626.44	44.80318	(12111716)	406062.92	3777626.44	42.63770	(12111716)
406082.92	3777626.44	39.97386	(12111716)	406102.92	3777626.44	36.94854	(12111716)
406122.92	3777626.44	33.69691	(12111716)	406142.92	3777626.44	30.34413	(12111716)
406162.92	3777626.44	28.85596	(14120116)	406182.92	3777626.44	28.36651	(14120116)
404922.92	3777646.44	14.33524	(16012217)	404942.92	3777646.44	14.74188	(16012217)
404962.92	3777646.44	15.17020	(16012217)	404982.92	3777646.44	15.62020	(16012217)
405002.92	3777646.44	16.08264	(16012217)	405022.92	3777646.44	16.55224	(16012217)
405042.92	3777646.44	17.02277	(16012217)	405062.92	3777646.44	17.53520	(16012217)

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        405082.92   3777646.44       18.05568  (16012217)                405102.92
3777646.44       18.58500  (16012217)
        405122.92   3777646.44       20.20426  (12111715)                405142.92
3777646.44       24.44588  (12111715)
        405162.92   3777646.44       29.21761  (12111715)                405182.92
3777646.44       34.46333  (12111715)
        405202.92   3777646.44       40.08970  (12111715)                405222.92
3777646.44       45.96092  (12111715)
        405242.92   3777646.44       51.87412  (12111715)                405262.92
3777646.44       57.57164  (12111715)
        405282.92   3777646.44       62.83957  (12111715)                405302.92
3777646.44       67.42383  (12111715)
        405322.92   3777646.44       70.91822  (12111715)                405342.92
3777646.44       73.18066  (12111715)
        405362.92   3777646.44       73.90917  (12111715)                405382.92
3777646.44       73.01567  (12111715)
        405402.92   3777646.44       76.09735  (12021515)                405422.92
3777646.44       78.59005  (12021515)
        405442.92   3777646.44       79.25209  (12021515)                405462.92
3777646.44       77.95617  (12021515)
        405482.92   3777646.44       74.73412  (12021515)                405502.92
3777646.44       69.79599  (12021515)
        405522.92   3777646.44       63.39537  (12021515)                405542.92
3777646.44       55.96162  (12021515)
        405562.92   3777646.44       47.95405  (12021515)                405582.92
3777646.44       48.81279  (15122816)
        405602.92   3777646.44       49.67140  (15122816)                405622.92
3777646.44       49.95315  (12101116)
        405642.92   3777646.44       54.61751  (12101116)                405662.92
3777646.44       58.15243  (12101116)
        405682.92   3777646.44       60.30088  (12101116)                405702.92
3777646.44       60.92269  (12101116)
        405722.92   3777646.44       59.97772  (12101116)                405742.92
3777646.44       61.91979  (12042618)
        405762.92   3777646.44       67.72800  (12042618)                405782.92
3777646.44       72.26523  (12042618)
        405802.92   3777646.44       75.23429  (12042618)                405822.92
3777646.44       76.53463  (12042618)
        405842.92   3777646.44       76.15771  (12042618)                405862.92
3777646.44       74.18964  (12042618)
 *** AERMOD - VERSION 21112  ***   ***
C:\Users\apoll\Desktop\HARP2\HARP\Derby\Derby HRA\Derby HRA.isc      ***
11/15/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:03:45

                                 PAGE 115
 *** 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)
 -
- -
        405882.92   3777646.44   70.79039 (12042618)   405902.92
3777646.44   66.21959 (12042618)
        405922.92   3777646.44   60.78338 (12042618)   405942.92
3777646.44   54.79724 (12042618)
        405962.92   3777646.44   49.57377 (12111716)   405982.92
3777646.44   49.95420 (12111716)
        406002.92   3777646.44   49.39925 (12111716)   406022.92
3777646.44   47.99047 (12111716)
        406042.92   3777646.44   45.84682 (12111716)   406062.92
3777646.44   43.11754 (12111716)
        406082.92   3777646.44   39.94467 (12111716)   406102.92
3777646.44   36.48390 (12111716)
        406122.92   3777646.44   32.87987 (12111716)   406142.92
3777646.44   30.92443 (14120116)
        406162.92   3777646.44   30.39606 (14120116)   406182.92
3777646.44   29.68889 (14120116)
        404922.92   3777666.44   14.67022 (16012217)   404942.92
3777666.44   15.10096 (16012217)
        404962.92   3777666.44   15.55254 (16012217)   404982.92
3777666.44   16.02417 (16012217)
        405002.92   3777666.44   16.51110 (16012217)   405022.92
3777666.44   17.01030 (16012217)
        405042.92   3777666.44   17.51902 (16012217)   405062.92
3777666.44   18.05885 (16012217)
        405082.92   3777666.44   18.61203 (16012217)   405102.92
3777666.44   19.17910 (16012217)
        405122.92   3777666.44   19.76120 (16012217)   405142.92
3777666.44   22.55705 (12111715)
        405162.92   3777666.44   27.29964 (12111715)   405182.92
3777666.44   32.61044 (12111715)

405202.92 3777666.44 38.41888 (12111715) 405222.92 3777666.44 44.60894 (12111715)
405242.92 3777666.44 50.99189 (12111715) 405262.92 3777666.44 57.32923 (12111715)
405282.92 3777666.44 63.36398 (12111715) 405302.92 3777666.44 68.79580 (12111715)
405322.92 3777666.44 73.24952 (12111715) 405342.92 3777666.44 76.45661 (12111715)
405362.92 3777666.44 78.11120 (12111715) 405382.92 3777666.44 78.03529 (12111715)
405402.92 3777666.44 79.01504 (12021515) 405422.92 3777666.44 82.40655 (12021515)
405442.92 3777666.44 83.87125 (12021515) 405462.92 3777666.44 83.22028 (12021515)
405482.92 3777666.44 80.42539 (12021515) 405502.92 3777666.44 75.64444 (12021515)
405522.92 3777666.44 69.12686 (12021515) 405542.92 3777666.44 61.32821 (12021515)
405562.92 3777666.44 52.75827 (12021515) 405582.92 3777666.44 51.52466 (15122816)
405602.92 3777666.44 52.54289 (15122816) 405622.92 3777666.44 53.05745 (12101116)
405642.92 3777666.44 58.05368 (12101116) 405662.92 3777666.44 61.78282 (12101116)
405682.92 3777666.44 63.95866 (12101116) 405702.92 3777666.44 64.43345 (12101116)
405722.92 3777666.44 63.18783 (12101116) 405742.92 3777666.44 67.30892 (12042618)
405762.92 3777666.44 73.24831 (12042618) 405782.92 3777666.44 77.67848 (12042618)
405802.92 3777666.44 80.34009 (12042618) 405822.92 3777666.44 81.12798 (12042618)
405842.92 3777666.44 80.06872 (12042618) 405862.92 3777666.44 77.30856 (12042618)
405882.92 3777666.44 73.07311 (12042618) 405902.92 3777666.44 67.68031 (12042618)
405922.92 3777666.44 61.48611 (12042618) 405942.92 3777666.44 54.83809 (12042618)
405962.92 3777666.44 52.90705 (12111716) 405982.92 3777666.44 52.66536 (12111716)
406002.92 3777666.44 51.44182 (12111716) 406022.92 3777666.44 49.35924 (12111716)
406042.92 3777666.44 46.57111 (12111716) 406062.92 3777666.44 43.25189 (12111716)
406082.92 3777666.44 39.57412 (12111716) 406102.92 3777666.44 35.70152 (12111716)
406122.92 3777666.44 33.20476 (14120116) 406142.92 3777666.44 32.63596 (14120116)
406162.92 3777666.44 31.86149 (14120116) 406182.92 3777666.44 30.91577 (14120116)

 *** 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)
 -
- -
        404922.92   3777686.44   15.01062 (16012217)   404942.92
3777686.44   15.46807 (16012217)
        404962.92   3777686.44   15.94415 (16012217)   404982.92
3777686.44   16.43789 (16012217)
        405002.92   3777686.44   16.94998 (16012217)   405022.92
3777686.44   17.48055 (16012217)
        405042.92   3777686.44   18.03034 (16012217)   405062.92
3777686.44   18.59894 (16012217)
        405082.92   3777686.44   19.18718 (16012217)   405102.92
3777686.44   19.79510 (16012217)
        405122.92   3777686.44   20.42177 (16012217)   405142.92
3777686.44   21.06707 (16012217)
        405162.92   3777686.44   25.24871 (12111715)   405182.92
3777686.44   30.55764 (12111715)
        405202.92   3777686.44   36.47985 (12111715)   405222.92
3777686.44   42.92448 (12111715)
        405242.92   3777686.44   49.72199 (12111715)   405262.92
3777686.44   56.65575 (12111715)
        405282.92   3777686.44   63.44302 (12111715)   405302.92
3777686.44   69.75143 (12111715)

405322.92 3777686.44 75.23390 (12111715) 405342.92 3777686.44 79.49936 (12111715)
405362.92 3777686.44 82.21734 (12111715) 405382.92 3777686.44 83.11736 (12111715)
405402.92 3777686.44 82.03006 (12111715) 405422.92 3777686.44 86.24391 (12021515)
405442.92 3777686.44 88.65497 (12021515) 405462.92 3777686.44 88.78412 (12021515)
405482.92 3777686.44 86.53333 (12021515) 405502.92 3777686.44 82.00467 (12021515)
405522.92 3777686.44 75.43193 (12021515) 405542.92 3777686.44 67.28941 (12021515)
405562.92 3777686.44 58.13861 (12021515) 405582.92 3777686.44 54.48748 (15122816)
405602.92 3777686.44 55.69103 (15122816) 405622.92 3777686.44 56.47266 (12101116)
405642.92 3777686.44 61.83859 (12101116) 405662.92 3777686.44 65.77964 (12101116)
405682.92 3777686.44 67.96662 (12101116) 405702.92 3777686.44 68.26761 (12101116)
405722.92 3777686.44 66.66746 (12101116) 405742.92 3777686.44 73.27636 (12042618)
405762.92 3777686.44 79.30088 (12042618) 405782.92 3777686.44 83.55350 (12042618)
405802.92 3777686.44 85.79504 (12042618) 405822.92 3777686.44 85.93678 (12042618)
405842.92 3777686.44 84.05959 (12042618) 405862.92 3777686.44 80.39018 (12042618)
405882.92 3777686.44 75.21989 (12042618) 405902.92 3777686.44 68.93157 (12042618)
405922.92 3777686.44 61.93143 (12042618) 405942.92 3777686.44 55.97467 (12111716)
405962.92 3777686.44 56.14092 (12111716) 405982.92 3777686.44 55.17516 (12111716)
406002.92 3777686.44 53.20239 (12111716) 406022.92 3777686.44 50.38926 (12111716)
406042.92 3777686.44 46.92529 (12111716) 406062.92 3777686.44 43.01582 (12111716)
406082.92 3777686.44 38.85063 (12111716) 406102.92 3777686.44 35.73224 (14120116)
406122.92 3777686.44 35.11504 (14120116) 406142.92 3777686.44 34.26670 (14120116)
406162.92 3777686.44 33.22221 (14120116) 406182.92 3777686.44 32.01952 (14120116)
404922.92 3777706.44 15.35474 (16012217) 404942.92 3777706.44 15.83796 (16012217)
404962.92 3777706.44 16.33984 (16012217) 404982.92 3777706.44 16.86158 (16012217)
405002.92 3777706.44 17.40341 (16012217) 405022.92 3777706.44 17.96602 (16012217)

*** 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)
405242.92	3777706.44	48.05628	(12111715)	405262.92	3777706.44	55.51795	(12111715)
405282.92	3777706.44	63.01915	(12111715)	405302.92	3777706.44	70.21586	(12111715)
405322.92	3777706.44	76.78774	(12111715)	405342.92	3777706.44	82.22263	(12111715)
405362.92	3777706.44	86.14443	(12111715)	405382.92	3777706.44	88.18771	(12111715)
405402.92	3777706.44	88.06535	(12111715)	405422.92	3777706.44	90.06081	(12021515)

405442.92 3777706.44 93.57737 (12021515) 405462.92 3777706.44 94.64163 (12021515)
405482.92 3777706.44 93.07278 (12021515) 405502.92 3777706.44 88.91531 (12021515)
405522.92 3777706.44 82.36972 (12021515) 405542.92 3777706.44 73.91910 (12021515)
405562.92 3777706.44 64.17657 (12021515) 405582.92 3777706.44 57.73208 (15122816)
405602.92 3777706.44 59.15481 (15122816) 405622.92 3777706.44 60.23953 (12101116)
405642.92 3777706.44 66.01948 (12101116) 405662.92 3777706.44 70.18914 (12101116)
405682.92 3777706.44 72.36704 (12101116) 405702.92 3777706.44 72.45665 (12101116)
405722.92 3777706.44 72.13705 (12042618) 405742.92 3777706.44 79.87915 (12042618)
405762.92 3777706.44 85.92464 (12042618) 405782.92 3777706.44 89.90123 (12042618)
405802.92 3777706.44 91.58702 (12042618) 405822.92 3777706.44 90.93257 (12042618)
405842.92 3777706.44 88.09124 (12042618) 405862.92 3777706.44 83.38252 (12042618)
405882.92 3777706.44 77.17678 (12042618) 405902.92 3777706.44 69.92154 (12042618)
405922.92 3777706.44 62.07688 (12042618) 405942.92 3777706.44 59.81879 (12111716)
405962.92 3777706.44 59.19413 (12111716) 405982.92 3777706.44 57.39957 (12111716)
406002.92 3777706.44 54.60272 (12111716) 406022.92 3777706.44 51.01320 (12111716)
406042.92 3777706.44 46.86021 (12111716) 406062.92 3777706.44 42.37572 (12111716)
406082.92 3777706.44 38.54457 (14120116) 406102.92 3777706.44 37.87344 (14120116)
406122.92 3777706.44 36.94114 (14120116) 406142.92 3777706.44 35.78226 (14120116)
406162.92 3777706.44 34.44523 (14120116) 406182.92 3777706.44 32.96941 (14120116)
404922.92 3777726.44 15.70195 (16012217) 404942.92 3777726.44 16.21075 (16012217)
404962.92 3777726.44 16.73933 (16012217) 404982.92 3777726.44 17.29014 (16012217)
405002.92 3777726.44 17.86340 (16012217) 405022.92 3777726.44 18.45997 (16012217)
405042.92 3777726.44 19.08106 (16012217) 405062.92 3777726.44 19.72478 (16012217)
405082.92 3777726.44 20.39612 (16012217) 405102.92 3777726.44 21.09377 (16012217)
405122.92 3777726.44 21.81566 (16012217) 405142.92 3777726.44 22.56159 (16012217)

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        405162.92   3777726.44       23.33295  (16012217)               405182.92
3777726.44       25.96814  (12111715)
        405202.92   3777726.44       31.88092  (12111715)               405222.92
3777726.44       38.59027  (12111715)
        405242.92   3777726.44       45.99040  (12111715)               405262.92
3777726.44       53.91367  (12111715)
        405282.92   3777726.44       62.10065  (12111715)               405302.92
3777726.44       70.20963  (12111715)
        405322.92   3777726.44       77.85761  (12111715)               405342.92
3777726.44       84.53781  (12111715)
        405362.92   3777726.44       89.78324  (12111715)               405382.92
3777726.44       93.14057  (12111715)
        405402.92   3777726.44       94.23373  (12111715)               405422.92
3777726.44       93.76558  (12021515)
        405442.92   3777726.44       98.55345  (12021515)               405462.92
3777726.44      100.75105  (12021515)
        405482.92   3777726.44      100.05561  (12021515)               405502.92
3777726.44       96.42012  (12021515)
        405522.92   3777726.44       90.01582  (12021515)               405542.92
3777726.44       81.31034  (12021515)
 *** AERMOD - VERSION 21112  ***   ***
C:\Users\apoll\Desktop\HARP2\HARP\Derby\Derby HRA\Derby HRA.isc      ***
11/15/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:03:45

                                 PAGE 118
 *** 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)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
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405562.92 3777726.44 70.96563 (12021515) 405582.92 3777726.44 61.27879 (15122816)
405602.92 3777726.44 62.96789 (15122816) 405622.92 3777726.44 64.39749 (12101116)
405642.92 3777726.44 70.62276 (12101116) 405662.92 3777726.44 75.02070 (12101116)
405682.92 3777726.44 77.19285 (12101116) 405702.92 3777726.44 77.00694 (12101116)
405722.92 3777726.44 79.12453 (12042618) 405742.92 3777726.44 87.14118 (12042618)
405762.92 3777726.44 93.13155 (12042618) 405782.92 3777726.44 96.69896 (12042618)
405802.92 3777726.44 97.66691 (12042618) 405822.92 3777726.44 96.05561 (12042618)
405842.92 3777726.44 92.10015 (12042618) 405862.92 3777726.44 86.21274 (12042618)
405882.92 3777726.44 78.88228 (12042618) 405902.92 3777726.44 70.59389 (12042618)
405922.92 3777726.44 63.67768 (12111716) 405942.92 3777726.44 63.51785 (12111716)
405962.92 3777726.44 61.97544 (12111716) 405982.92 3777726.44 59.24997 (12111716)
406002.92 3777726.44 55.55970 (12111716) 406022.92 3777726.44 51.16386 (12111716)
406042.92 3777726.44 46.33299 (12111716) 406062.92 3777726.44 41.68908 (14120116)
406082.92 3777726.44 40.95648 (14120116) 406102.92 3777726.44 39.92446 (14120116)
406122.92 3777726.44 38.64066 (14120116) 406142.92 3777726.44 37.14533 (14120116)
406162.92 3777726.44 35.49575 (14120116) 406182.92 3777726.44 33.73431 (14120116)
404922.92 3777746.44 16.05204 (16012217) 404942.92 3777746.44 16.58671 (16012217)
404962.92 3777746.44 17.14303 (16012217) 404982.92 3777746.44 17.72413 (16012217)
405002.92 3777746.44 18.33046 (16012217) 405022.92 3777746.44 18.96278 (16012217)
405042.92 3777746.44 19.62241 (16012217) 405062.92 3777746.44 20.30774 (16012217)
405082.92 3777746.44 21.02374 (16012217) 405102.92 3777746.44 21.76990 (16012217)
405122.92 3777746.44 22.54436 (16012217) 405142.92 3777746.44 23.34523 (16012217)
405162.92 3777746.44 24.18011 (16012217) 405182.92 3777746.44 25.04286 (16012217)
405202.92 3777746.44 29.28714 (12111715) 405222.92 3777746.44 35.98660 (12111715)
405242.92 3777746.44 43.54538 (12111715) 405262.92 3777746.44 51.83601 (12111715)

```
        405282.92   3777746.44       60.63512  (12111715)                405302.92
3777746.44       69.61587  (12111715)
        405322.92   3777746.44       78.34902  (12111715)                405342.92
3777746.44       86.33983  (12111715)
        405362.92   3777746.44       93.03934  (12111715)                405382.92
3777746.44       97.89628  (12111715)
        405402.92   3777746.44      100.41580  (12111715)                405422.92
3777746.44      100.31764  (12111715)
        405442.92   3777746.44      103.55815  (12021515)                405462.92
3777746.44      107.08690  (12021515)
        405482.92   3777746.44      107.47762  (12021515)                405502.92
3777746.44      104.51397  (12021515)
        405522.92   3777746.44       98.39170  (12021515)                405542.92
3777746.44       89.53805  (12021515)
        405562.92   3777746.44       78.62381  (12021515)                405582.92
3777746.44       66.49248  (12021515)
        405602.92   3777746.44       67.18042  (15122816)                405622.92
3777746.44       69.01045  (12101116)
        405642.92   3777746.44       75.74033  (12101116)                405662.92
3777746.44       80.38716  (12101116)
        405682.92   3777746.44       82.52382  (12101116)                405702.92
3777746.44       81.96604  (12101116)
        405722.92   3777746.44       86.89690  (12042618)                405742.92
3777746.44       95.14818  (12042618)
        405762.92   3777746.44      101.02824  (12042618)                405782.92
3777746.44      103.98611  (12042618)
        405802.92   3777746.44      104.04880  (12042618)                405822.92
3777746.44      101.29981  (12042618)
        405842.92   3777746.44       96.06062  (12042618)                405862.92
3777746.44       88.83267  (12042618)
 *** AERMOD - VERSION 21112  ***   ***
C:\Users\apoll\Desktop\HARP2\HARP\Derby\Derby HRA\Derby HRA.isc      ***
11/15/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:03:45

                                 PAGE 119
 *** 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    ,  . . .      ,
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*** 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)
405882.92	3777746.44	80.26302	(12042618)	405902.92	3777746.44	70.88781	(12042618)
405922.92	3777746.44	68.13667	(12111716)	405942.92	3777746.44	66.97302	(12111716)
405962.92	3777746.44	64.37824	(12111716)	405982.92	3777746.44	60.62837	(12111716)
406002.92	3777746.44	56.00181	(12111716)	406022.92	3777746.44	50.80235	(12111716)
406042.92	3777746.44	45.33023	(12111716)	406062.92	3777746.44	44.41592	(14120116)
406082.92	3777746.44	43.27034	(14120116)	406102.92	3777746.44	41.83476	(14120116)
406122.92	3777746.44	40.16632	(14120116)	406142.92	3777746.44	38.31505	(14120116)
406162.92	3777746.44	36.33805	(14120116)	406182.92	3777746.44	35.42109	(12012517)
404922.92	3777766.44	16.40429	(16012217)	404942.92	3777766.44	16.96560	(16012217)
404962.92	3777766.44	17.55090	(16012217)	404982.92	3777766.44	18.16342	(16012217)
405002.92	3777766.44	18.80394	(16012217)	405022.92	3777766.44	19.47395	(16012217)
405042.92	3777766.44	20.17572	(16012217)	405062.92	3777766.44	20.90486	(16012217)
405082.92	3777766.44	21.66791	(16012217)	405102.92	3777766.44	22.46532	(16012217)
405122.92	3777766.44	23.29522	(16012217)	405142.92	3777766.44	24.15991	(16012217)
405162.92	3777766.44	25.06131	(16012217)	405182.92	3777766.44	25.99557	(16012217)
405202.92	3777766.44	26.96289	(16012217)	405222.92	3777766.44	33.14978	(12111715)
405242.92	3777766.44	40.75073	(12111715)	405262.92	3777766.44	49.29293	(12111715)
405282.92	3777766.44	58.59784	(12111715)	405302.92	3777766.44	68.36790	(12111715)
405322.92	3777766.44	78.17521	(12111715)	405342.92	3777766.44	87.52136	(12111715)
405362.92	3777766.44	95.79667	(12111715)	405382.92	3777766.44	102.33848	(12111715)

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        405402.92   3777766.44      106.48660  (12111715)               405422.92
3777766.44      107.96244  (12111715)
        405442.92   3777766.44      108.52963  (12021515)               405462.92
3777766.44      113.60789  (12021515)
        405482.92   3777766.44      115.33165  (12021515)               405502.92
3777766.44      113.19626  (12021515)
        405522.92   3777766.44      107.52871  (12021515)               405542.92
3777766.44       98.69672  (12021515)
        405562.92   3777766.44       87.28678  (12021515)               405582.92
3777766.44       74.15744  (12021515)
        405602.92   3777766.44       71.84859  (15122816)               405622.92
3777766.44       74.15054  (12101116)
        405642.92   3777766.44       81.45527  (12101116)               405662.92
3777766.44       86.37038  (12101116)
        405682.92   3777766.44       88.43404  (12101116)               405702.92
3777766.44       87.38710  (12101116)
        405722.92   3777766.44       95.55494  (12042618)               405742.92
3777766.44      103.98526  (12042618)
        405762.92   3777766.44      109.67064  (12042618)               405782.92
3777766.44      111.78234  (12042618)
        405802.92   3777766.44      110.71050  (12042618)               405822.92
3777766.44      106.60739  (12042618)
        405842.92   3777766.44       99.89314  (12042618)               405862.92
3777766.44       91.16246  (12042618)
        405882.92   3777766.44       81.24932  (12042618)               405902.92
3777766.44       73.08481  (12111716)
        405922.92   3777766.44       72.39685  (12111716)               405942.92
3777766.44       70.05821  (12111716)
        405962.92   3777766.44       66.28736  (12111716)               405982.92
3777766.44       61.44075  (12111716)
        406002.92   3777766.44       55.85855  (12111716)               406022.92
3777766.44       49.88238  (12111716)
        406042.92   3777766.44       48.31222  (14120116)               406062.92
3777766.44       47.03862  (14120116)
        406082.92   3777766.44       45.42839  (14120116)               406102.92
3777766.44       43.54979  (14120116)
        406122.92   3777766.44       41.46926  (14120116)               406142.92
3777766.44       39.24579  (14120116)
        406162.92   3777766.44       38.15472  (12012517)               406182.92
3777766.44       36.93083  (12012517)
 *** AERMOD - VERSION 21112  ***   ***
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11/15/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:03:45

                                 PAGE 120
 *** 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)
 -
- -
        404922.92   3777786.44   16.75703 (16012217)   404942.92
3777786.44   17.34533 (16012217)
        404962.92   3777786.44   17.96021 (16012217)   404982.92
3777786.44   18.60535 (16012217)
        405002.92   3777786.44   19.28149 (16012217)   405022.92
3777786.44   19.98992 (16012217)
        405042.92   3777786.44   20.73331 (16012217)   405062.92
3777786.44   21.50967 (16012217)
        405082.92   3777786.44   22.32366 (16012217)   405102.92
3777786.44   23.17613 (16012217)
        405122.92   3777786.44   24.06674 (16012217)   405142.92
3777786.44   24.99845 (16012217)
        405162.92   3777786.44   25.97119 (16012217)   405182.92
3777786.44   26.98363 (16012217)
        405202.92   3777786.44   28.03701 (16012217)   405222.92
3777786.44   30.12141 (12111715)
        405242.92   3777786.44   37.64936 (12111715)   405262.92
3777786.44   46.31286 (12111715)
        405282.92   3777786.44   55.99367 (12111715)   405302.92
3777786.44   66.44576 (12111715)
        405322.92   3777786.44   77.27663 (12111715)   405342.92
3777786.44   87.97214 (12111715)
        405362.92   3777786.44   97.88255 (12111715)   405382.92
3777786.44   106.26907 (12111715)
        405402.92   3777786.44   112.36083 (12111715)   405422.92
3777786.44   115.61029 (12111715)
        405442.92   3777786.44   115.41387 (12111715)   405462.92
3777786.44   120.25290 (12021515)
        405482.92   3777786.44   123.63550 (12021515)   405502.92
3777786.44   122.83079 (12021515)

405522.92 3777786.44 117.86879 (12021515) 405542.92 3777786.44 109.04985 (12021515)
405562.92 3777786.44 97.05179 (12021515) 405582.92 3777786.44 82.88838 (12021515)
405602.92 3777786.44 77.01846 (15122816) 405622.92 3777786.44 79.86436 (12101116)
405642.92 3777786.44 87.81571 (12101116) 405662.92 3777786.44 93.01801 (12101116)
405682.92 3777786.44 94.96471 (12101116) 405702.92 3777786.44 94.25908 (12042618)
405722.92 3777786.44 105.49640 (12042618) 405742.92 3777786.44 113.94679 (12042618)
405762.92 3777786.44 118.98784 (12042618) 405782.92 3777786.44 120.14669 (12042618)
405802.92 3777786.44 117.66301 (12042618) 405822.92 3777786.44 111.89102 (12042618)
405842.92 3777786.44 103.45592 (12042618) 405862.92 3777786.44 93.13104 (12042618)
405882.92 3777786.44 81.77307 (12042618) 405902.92 3777786.44 78.31970 (12111716)
405922.92 3777786.44 76.31502 (12111716) 405942.92 3777786.44 72.62754 (12111716)
405962.92 3777786.44 67.57790 (12111716) 405982.92 3777786.44 61.59288 (12111716)
406002.92 3777786.44 55.06625 (12111716) 406022.92 3777786.44 52.75833 (14120116)
406042.92 3777786.44 51.31053 (14120116) 406062.92 3777786.44 49.49218 (14120116)
406082.92 3777786.44 47.36749 (14120116) 406102.92 3777786.44 45.01236 (14120116)
406122.92 3777786.44 42.49816 (14120116) 406142.92 3777786.44 41.20723 (12012517)
406162.92 3777786.44 39.78253 (12012517) 406182.92 3777786.44 38.19251 (12012517)
404922.92 3777806.44 17.10978 (16012217) 404942.92 3777806.44 17.72589 (16012217)
404962.92 3777806.44 18.37116 (16012217) 404982.92 3777806.44 19.05013 (16012217)
405002.92 3777806.44 19.76310 (16012217) 405022.92 3777806.44 20.51075 (16012217)
405042.92 3777806.44 21.29577 (16012217) 405062.92 3777806.44 22.12342 (16012217)
405082.92 3777806.44 22.99183 (16012217) 405102.92 3777806.44 23.90257 (16012217)
405122.92 3777806.44 24.85866 (16012217) 405142.92 3777806.44 25.86169 (16012217)
405162.92 3777806.44 26.91112 (16012217) 405182.92 3777806.44 28.00829 (16012217)
405202.92 3777806.44 29.15551 (16012217) 405222.92 3777806.44 30.35619 (16012217)

 *** 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)
 -
- -
        405242.92   3777806.44   34.29160 (12111715)   405262.92
3777806.44   42.93110 (12111715)
        405282.92   3777806.44   52.83503 (12111715)   405302.92
3777806.44   63.82796 (12111715)
        405322.92   3777806.44   75.57751 (12111715)   405342.92
3777806.44   87.58508 (12111715)
        405362.92   3777806.44   99.17935 (12111715)   405382.92
3777806.44   109.55412 (12111715)
        405402.92   3777806.44   117.83229 (12111715)   405422.92
3777806.44   123.19333 (12111715)
        405442.92   3777806.44   124.94889 (12111715)   405462.92
3777806.44   126.95254 (12021515)
        405482.92   3777806.44   132.32924 (12021515)   405502.92
3777806.44   133.20696 (12021515)
        405522.92   3777806.44   129.26318 (12021515)   405542.92
3777806.44   120.67837 (12021515)
        405562.92   3777806.44   108.18190 (12021515)   405582.92
3777806.44   92.94157 (12021515)
        405602.92   3777806.44   82.83216 (15122816)   405622.92
3777806.44   86.32458 (12101116)

405642.92 3777806.44 95.02766 (12101116) 405662.92 3777806.44 100.54580 (12101116)
405682.92 3777806.44 102.25415 (12101116) 405702.92 3777806.44 104.83796 (12042618)
405722.92 3777806.44 116.64222 (12042618) 405742.92 3777806.44 124.96851 (12042618)
405762.92 3777806.44 129.16524 (12042618) 405782.92 3777806.44 129.03276 (12042618)
405802.92 3777806.44 124.80508 (12042618) 405822.92 3777806.44 117.07423 (12042618)
405842.92 3777806.44 106.68503 (12042618) 405862.92 3777806.44 94.60463 (12042618)
405882.92 3777806.44 84.75799 (12111716) 405902.92 3777806.44 83.26990 (12111716)
405922.92 3777806.44 79.72528 (12111716) 405942.92 3777806.44 74.53923 (12111716)
405962.92 3777806.44 68.14121 (12111716) 405982.92 3777806.44 61.00919 (12111716)
406002.92 3777806.44 57.81531 (14120116) 406022.92 3777806.44 56.20284 (14120116)
406042.92 3777806.44 54.11923 (14120116) 406062.92 3777806.44 51.69958 (14120116)
406082.92 3777806.44 49.01819 (14120116) 406102.92 3777806.44 46.15641 (14120116)
406122.92 3777806.44 44.62095 (12012517) 406142.92 3777806.44 42.93794 (12012517)
404922.92 3777826.44 17.46437 (16012217) 404942.92 3777826.44 18.11114 (16012217)
404962.92 3777826.44 18.78977 (16012217) 404982.92 3777826.44 19.50359 (16012217)
405002.92 3777826.44 20.25256 (16012217) 405022.92 3777826.44 21.03728 (16012217)
405042.92 3777826.44 21.86173 (16012217) 405062.92 3777826.44 22.75002 (16012217)
405082.92 3777826.44 23.67763 (16012217) 405102.92 3777826.44 24.64683 (16012217)
405122.92 3777826.44 25.67042 (16012217) 405142.92 3777826.44 26.75194 (16012217)
405162.92 3777826.44 27.88395 (16012217) 405182.92 3777826.44 29.07146 (16012217)
405202.92 3777826.44 30.31868 (16012217) 405222.92 3777826.44 31.62812 (16012217)
405242.92 3777826.44 32.99250 (16012217) 405262.92 3777826.44 39.20255 (12111715)
405282.92 3777826.44 49.15823 (12111715) 405302.92 3777826.44 60.51960 (12111715)
405322.92 3777826.44 73.02902 (12111715) 405342.92 3777826.44 86.26848 (12111715)
405362.92 3777826.44 99.56004 (12111715) 405382.92 3777826.44 112.03562 (12111715)

*** 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)
405602.92	3777826.44	89.42307	(15122816)	405622.92	3777826.44	93.68833	(12101116)
405642.92	3777826.44	103.26883	(12101116)	405662.92	3777826.44	109.14104	(12101116)
405682.92	3777826.44	110.42635	(12101116)	405702.92	3777826.44	116.88623	(12042618)
405722.92	3777826.44	129.16095	(12042618)	405742.92	3777826.44	137.15669	(12042618)
405762.92	3777826.44	140.26751	(12042618)	405782.92	3777826.44	138.41691	(12042618)

405802.92 3777826.44 132.05762 (12042618) 405822.92 3777826.44 122.04061 (12042618)
405842.92 3777826.44 109.45770 (12042618) 405862.92 3777826.44 95.46826 (12042618)
405882.92 3777826.44 90.98526 (12111716) 405902.92 3777826.44 87.74274 (12111716)
405922.92 3777826.44 82.44125 (12111716) 405942.92 3777826.44 75.64117 (12111716)
405962.92 3777826.44 67.86505 (12111716) 405982.92 3777826.44 63.61659 (14120116)
406002.92 3777826.44 61.79919 (14120116) 406022.92 3777826.44 59.42953 (14120116)
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404982.92 3777846.44 19.95218 (16012217) 405002.92 3777846.44 20.74054 (16012217)
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405142.92 3777846.44 27.65843 (16012217) 405162.92 3777846.44 28.87915 (16012217)
405182.92 3777846.44 30.16509 (16012217) 405202.92 3777846.44 31.52023 (16012217)
405222.92 3777846.44 32.94902 (16012217) 405242.92 3777846.44 34.44514 (16012217)
405262.92 3777846.44 36.01431 (16012217) 405282.92 3777846.44 45.02490 (12111715)
405302.92 3777846.44 56.54580 (12111715) 405322.92 3777846.44 69.62142 (12111715)
405342.92 3777846.44 83.91405 (12111715) 405362.92 3777846.44 98.80504 (12111715)
405382.92 3777846.44 113.42624 (12111715) 405402.92 3777846.44 126.68355 (12111715)
405422.92 3777846.44 137.42724 (12111715) 405442.92 3777846.44 144.44239 (12111715)
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405502.92 3777846.44 156.07931 (12021515) 405522.92 3777846.44 155.44762 (12021515)
405542.92 3777846.44 148.42217 (12021515) 405562.92 3777846.44 135.52993 (12021515)
405582.92 3777846.44 118.08067 (12021515) 405602.92 3777846.44 97.91719 (12021515)

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        405662.92   3777846.44      118.71724  (12101116)               405682.92
3777846.44      119.56216  (12101116)
        405702.92   3777846.44      130.68083  (12042618)               405722.92
3777846.44      143.30099  (12042618)
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3777846.44      152.20167  (12042618)
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3777846.44      139.29874  (12042618)
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3777846.44      111.62736  (12042618)
        405862.92   3777846.44       99.47097  (12111716)               405882.92
3777846.44       96.81479  (12111716)
        405902.92   3777846.44       91.52653  (12111716)               405922.92
3777846.44       84.27072  (12111716)
        405942.92   3777846.44       75.77797  (12111716)               405962.92
3777846.44       70.32308  (14120116)
        405982.92   3777846.44       68.25652  (14120116)               406002.92
3777846.44       65.54376  (14120116)
 *** AERMOD - VERSION 21112  ***   ***
C:\Users\apoll\Desktop\HARP2\HARP\Derby\Derby HRA\Derby HRA.isc      ***
11/15/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:03:45

                                 PAGE 123
 *** 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)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
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3777866.44 20.39531 (16012217)
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3777866.44 24.02261 (16012217)
405082.92 3777866.44 25.06574 (16012217) 405102.92
3777866.44 26.16910 (16012217)
405122.92 3777866.44 27.33969 (16012217) 405142.92
3777866.44 28.58091 (16012217)
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3777866.44 31.28850 (16012217)
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3777866.44 34.31872 (16012217)
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3777866.44 80.48924 (12111715)
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3777866.44 113.56456 (12111715)
405402.92 3777866.44 129.57949 (12111715) 405422.92
3777866.44 143.51232 (12111715)
405442.92 3777866.44 153.90579 (12111715) 405462.92
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3777866.44 146.59731 (12042618)
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3777866.44 165.60568 (12042618)
405762.92 3777866.44 165.07549 (12042618) 405782.92
3777866.44 158.34929 (12042618)
405802.92 3777866.44 146.37709 (12042618) 405822.92
3777866.44 130.71664 (12042618)
405842.92 3777866.44 113.03774 (12042618) 405862.92
3777866.44 106.97262 (12111716)
405882.92 3777866.44 101.93781 (12111716) 405902.92
3777866.44 94.33477 (12111716)

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3777866.44       78.03000  (14120116)
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        404962.92   3777886.44       21.48207  (12022717)                404982.92
3777886.44       21.01851  (12022717)
        405002.92   3777886.44       21.71023  (16012217)                405022.92
3777886.44       22.63519  (16012217)
        405042.92   3777886.44       23.61772  (16012217)                405062.92
3777886.44       24.66438  (16012217)
        405082.92   3777886.44       25.77296  (16012217)                405102.92
3777886.44       26.94637  (16012217)
        405122.92   3777886.44       28.18939  (16012217)                405142.92
3777886.44       29.52222  (16012217)
        405162.92   3777886.44       30.93879  (16012217)                405182.92
3777886.44       32.44316  (16012217)
        405202.92   3777886.44       34.04085  (16012217)                405222.92
3777886.44       35.74186  (16012217)
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3777886.44       39.44511  (16012217)
        405282.92   3777886.44       41.45725  (16012217)                405302.92
3777886.44       46.91485  (12111715)
        405322.92   3777886.44       60.32941  (12111715)                405342.92
3777886.44       75.99963  (12111715)
        405362.92   3777886.44       93.56166  (12111715)                405382.92
3777886.44      112.29837  (12111715)
        405402.92   3777886.44      131.10723  (12111715)                405422.92
3777886.44      148.50836  (12111715)
        405442.92   3777886.44      162.84454  (12111715)                405462.92
3777886.44      172.27240  (12111715)
 *** AERMOD - VERSION 21112  ***   ***
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11/15/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:03:45

                                 PAGE 124
 *** 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    ,  . . .      ,
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*** 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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405522.92	3777886.44	186.80554	(12021515)	405542.92	3777886.44	183.33216	(12021515)
405562.92	3777886.44	171.27662	(12021515)	405582.92	3777886.44	151.89924	(12021515)
405602.92	3777886.44	127.52901	(12021515)	405622.92	3777886.44	122.48539	(12101116)
405642.92	3777886.44	135.39673	(12101116)	405662.92	3777886.44	142.27906	(12101116)
405682.92	3777886.44	146.17995	(12042618)	405702.92	3777886.44	165.08310	(12042618)
405722.92	3777886.44	177.52842	(12042618)	405742.92	3777886.44	182.19667	(12042618)
405762.92	3777886.44	178.89291	(12042618)	405782.92	3777886.44	168.72260	(12042618)
405802.92	3777886.44	153.07911	(12042618)	405822.92	3777886.44	134.00769	(12042618)
405842.92	3777886.44	118.51904	(12111716)	405862.92	3777886.44	113.88538	(12111716)
405882.92	3777886.44	106.02816	(12111716)	404922.92	3777906.44	25.55319	(12022717)
404942.92	3777906.44	25.41312	(12022717)	404962.92	3777906.44	25.19441	(12022717)
404982.92	3777906.44	24.88902	(12022717)	405002.92	3777906.44	24.49223	(12022717)
405022.92	3777906.44	23.99939	(12022717)	405042.92	3777906.44	24.19549	(16012217)
405062.92	3777906.44	25.29960	(16012217)	405082.92	3777906.44	26.47350	(16012217)
405102.92	3777906.44	27.72105	(16012217)	405122.92	3777906.44	29.04751	(16012217)
405142.92	3777906.44	30.47382	(16012217)	405162.92	3777906.44	31.99486	(16012217)
405182.92	3777906.44	33.61753	(16012217)	405202.92	3777906.44	35.34955	(16012217)
405222.92	3777906.44	37.20115	(16012217)	405242.92	3777906.44	39.17128	(16012217)
405262.92	3777906.44	41.26847	(16012217)	405282.92	3777906.44	43.49755	(16012217)

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        405302.92   3777906.44       45.86283  (16012217)               405322.92
3777906.44       54.61338  (12111715)
        405342.92   3777906.44       70.48092  (12111715)               405362.92
3777906.44       88.92727  (12111715)
        405382.92   3777906.44      109.41359  (12111715)               405402.92
3777906.44      130.93947  (12111715)
        405422.92   3777906.44      151.99364  (12111715)               405442.92
3777906.44      170.68899  (12111715)
        405462.92   3777906.44      184.79886  (12111715)               405482.92
3777906.44      192.16546  (12111715)
        405502.92   3777906.44      195.31914  (12021515)               405522.92
3777906.44      204.58523  (12021515)
        405542.92   3777906.44      204.08813  (12021515)               405562.92
3777906.44      193.27566  (12021515)
        405582.92   3777906.44      173.27093  (12021515)               405602.92
3777906.44      146.54760  (12021515)
        405622.92   3777906.44      135.20338  (12101116)               405642.92
3777906.44      149.65533  (12101116)
        405662.92   3777906.44      156.85279  (12101116)               405682.92
3777906.44      166.65405  (12042618)
        405702.92   3777906.44      186.54395  (12042618)               405722.92
3777906.44      198.22291  (12042618)
        405742.92   3777906.44      200.50699  (12042618)               405762.92
3777906.44      193.57152  (12042618)
        405782.92   3777906.44      179.11697  (12042618)               405802.92
3777906.44      159.17756  (12042618)
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3777906.44      127.78615  (12111716)
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3777926.44       29.05489  (12022717)
        404962.92   3777926.44       29.05663  (12022717)               404982.92
3777926.44       28.97189  (12022717)
        405002.92   3777926.44       28.79233  (12022717)               405022.92
3777926.44       28.50900  (12022717)
        405042.92   3777926.44       28.11089  (12022717)               405062.92
3777926.44       27.59009  (12022717)
        405082.92   3777926.44       27.16373  (16012217)               405102.92
3777926.44       28.48930  (16012217)
        405122.92   3777926.44       29.90851  (16012217)               405142.92
3777926.44       31.43072  (16012217)
 *** AERMOD - VERSION 21112  ***   ***
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11/15/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:03:45

                                 PAGE 125
 *** 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)
 -
- -
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3777926.44   38.69314 (16012217)
        405242.92   3777926.44   40.84758 (16012217)   405262.92
3777926.44   43.15487 (16012217)
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3777926.44   48.25814 (16012217)
        405322.92   3777926.44   51.40412 (15022109)   405342.92
3777926.44   64.02940 (12111715)
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        405442.92   3777926.44   176.98224 (12111715)   405462.92
3777926.44   196.54872 (12111715)
        405482.92   3777926.44   209.51960 (12111715)   405502.92
3777926.44   213.68933 (12111715)
        405522.92   3777926.44   223.73420 (12021515)   405542.92
3777926.44   227.34895 (12021515)
        405562.92   3777926.44   218.67037 (12021515)   405582.92
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        405602.92   3777926.44   169.30666 (12021515)   405782.92
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        405802.92   3777926.44   164.57399 (12042618)   404922.92
3777946.44   32.31456 (12022717)
        404942.92   3777946.44   32.66405 (12022717)   404962.92
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        404982.92   3777946.44   33.13644 (12022717)   405002.92
3777946.44   33.24302 (12022717)

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405202.92 3777966.44 39.39635 (16012217) 405222.92 3777966.44 41.75892 (16012217)
405242.92 3777966.44 44.31614 (16012217) 405262.92 3777966.44 47.09320 (16012217)
405282.92 3777966.44 50.10672 (16012217) 405302.92 3777966.44 53.36729 (16012217)

*** 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)
405322.92	3777966.44	56.89180	(16012217)	405342.92	3777966.44	61.10664	(15022109)
405362.92	3777966.44	67.25248	(12111715)	405382.92	3777966.44	90.08365	(12111715)
405402.92	3777966.44	117.67812	(12111715)	405422.92	3777966.44	149.09389	(12111715)
405442.92	3777966.44	182.60288	(12111715)	405462.92	3777966.44	215.24759	(12111715)
405482.92	3777966.44	243.00614	(12111715)	405502.92	3777966.44	261.84952	(12111715)
405522.92	3777966.44	267.47780	(12111715)	405542.92	3777966.44	282.05119	(12021515)
405562.92	3777966.44	281.99106	(12021515)	405582.92	3777966.44	263.93739	(12021515)
405602.92	3777966.44	230.21663	(12021515)	404922.92	3777986.44	38.17742	(12022717)
404942.92	3777986.44	39.15459	(12022717)	404962.92	3777986.44	40.10050	(12022717)
404982.92	3777986.44	41.00683	(12022717)	405002.92	3777986.44	41.86170	(12022717)

405022.92 3777986.44 42.65092 (12022717) 405042.92
3777986.44 43.35791 (12022717)
405062.92 3777986.44 43.96131 (12022717) 405082.92
3777986.44 44.44283 (12022717)
405102.92 3777986.44 44.78001 (12022717) 405122.92
3777986.44 44.94719 (12022717)
405142.92 3777986.44 44.92255 (12022717) 405162.92
3777986.44 44.67115 (12022717)
405182.92 3777986.44 44.16465 (12022717) 405202.92
3777986.44 43.37420 (12022717)
405222.92 3777986.44 43.30238 (16012217) 405242.92
3777986.44 46.08331 (16012217)
405262.92 3777986.44 49.11744 (16012217) 405282.92
3777986.44 52.43003 (16012217)
405302.92 3777986.44 56.04712 (16012217) 405322.92
3777986.44 59.99330 (16012217)
405342.92 3777986.44 64.29617 (16012217) 405362.92
3777986.44 69.77288 (15022109)
405382.92 3777986.44 80.40461 (12111715) 405402.92
3777986.44 108.53633 (12111715)
405422.92 3777986.44 142.31922 (12111715) 405442.92
3777986.44 180.46225 (12111715)
405462.92 3777986.44 220.23517 (12111715) 404922.92
3778006.44 40.40183 (12022717)
404942.92 3778006.44 41.71272 (12022717) 404962.92
3778006.44 43.01821 (12022717)
404982.92 3778006.44 44.31798 (12022717) 405002.92
3778006.44 45.60330 (12022717)
405022.92 3778006.44 46.86131 (12022717) 405042.92
3778006.44 48.07304 (12022717)
405062.92 3778006.44 49.21690 (12022717) 405082.92
3778006.44 50.27133 (12022717)
405102.92 3778006.44 51.21669 (12022717) 405122.92
3778006.44 52.04018 (12022717)
405142.92 3778006.44 52.69016 (12022717) 405162.92
3778006.44 53.13465 (12022717)
405182.92 3778006.44 53.33438 (12022717) 405202.92
3778006.44 53.24645 (12022717)
405222.92 3778006.44 52.83028 (12022717) 405242.92
3778006.44 52.02875 (12022717)
405262.92 3778006.44 51.16433 (16012217) 405282.92
3778006.44 54.79828 (16012217)
405302.92 3778006.44 58.80244 (16012217) 405322.92
3778006.44 63.23097 (16012217)
405342.92 3778006.44 68.07287 (16012217) 405362.92
3778006.44 73.38484 (16012217)
405382.92 3778006.44 80.39739 (15022109) 405402.92
3778006.44 97.22853 (12111715)
405422.92 3778006.44 132.32866 (12111715) 405442.92
3778006.44 174.33288 (12111715)

*** 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)
405102.92	3778026.44	57.20396	(12022717)	405122.92	3778026.44	58.78451	(12022717)
405142.92	3778026.44	60.24875	(12022717)	405162.92	3778026.44	61.56395	(12022717)
405182.92	3778026.44	62.68703	(12022717)	405202.92	3778026.44	63.56789	(12022717)
405222.92	3778026.44	64.15519	(12022717)	405242.92	3778026.44	64.36832	(12022717)
405262.92	3778026.44	64.13380	(12022717)	405282.92	3778026.44	63.37473	(12022717)

405302.92 3778026.44 62.01540 (12022717) 405322.92
3778026.44 66.50880 (16012217)
405342.92 3778026.44 71.94617 (16012217) 405362.92
3778026.44 77.98057 (16012217)
405382.92 3778026.44 84.70154 (16012217) 405402.92
3778026.44 93.67644 (15022109)
405422.92 3778026.44 119.07158 (12111715) 405442.92
3778026.44 163.56589 (12111715)
405462.92 3778026.44 216.59129 (12111715) 404922.92
3778046.44 42.78777 (12022717)
404942.92 3778046.44 44.68985 (12022717) 404962.92
3778046.44 46.66671 (12022717)
404982.92 3778046.44 48.71981 (12022717) 405002.92
3778046.44 50.84667 (12022717)
405022.92 3778046.44 53.04224 (12022717) 405042.92
3778046.44 55.30143 (12022717)
405062.92 3778046.44 57.61263 (12022717) 405082.92
3778046.44 59.96417 (12022717)
405102.92 3778046.44 62.34008 (12022717) 405122.92
3778046.44 64.72015 (12022717)
405142.92 3778046.44 67.08719 (12022717) 405162.92
3778046.44 69.39811 (12022717)
405182.92 3778046.44 71.61335 (12022717) 405202.92
3778046.44 73.68845 (12022717)
405222.92 3778046.44 75.56568 (12022717) 405242.92
3778046.44 77.16201 (12022717)
405262.92 3778046.44 78.38651 (12022717) 405282.92
3778046.44 79.13246 (12022717)
405302.92 3778046.44 79.27751 (12022717) 405322.92
3778046.44 78.68135 (12022717)
405342.92 3778046.44 77.19589 (12022717) 405362.92
3778046.44 82.70893 (16012217)
405382.92 3778046.44 90.40639 (16012217) 405402.92
3778046.44 99.06342 (16012217)
405422.92 3778046.44 110.62041 (15022109) 405442.92
3778046.44 148.03325 (12111715)
405462.92 3778046.44 205.60827 (12111715) 404922.92
3778066.44 42.77976 (12022717)
404942.92 3778066.44 44.90383 (12022717) 404962.92
3778066.44 47.14028 (12022717)
404982.92 3778066.44 49.49576 (12022717) 405002.92
3778066.44 51.97272 (12022717)
405022.92 3778066.44 54.57104 (12022717) 405042.92
3778066.44 57.29513 (12022717)
405062.92 3778066.44 60.14385 (12022717) 405082.92
3778066.44 63.11187 (12022717)
405102.92 3778066.44 66.19287 (12022717) 405122.92
3778066.44 69.37866 (12022717)
405142.92 3778066.44 72.66387 (12022717) 405162.92
3778066.44 76.02076 (12022717)

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        405182.92   3778066.44       79.42354  (12022717)               405202.92
3778066.44       82.83890  (12022717)
        405222.92   3778066.44       86.21505  (12022717)               405242.92
3778066.44       89.54213  (12022717)
        405262.92   3778066.44       92.62958  (12022717)               405282.92
3778066.44       95.36351  (12022717)
        405302.92   3778066.44       97.69438  (12022717)               405322.92
3778066.44       99.32948  (12022717)
        405342.92   3778066.44      100.20343  (12022717)               405362.92
3778066.44      100.03196  (12022717)
        405382.92   3778066.44       98.46834  (12022717)               405402.92
3778066.44      106.33560  (16012217)
        405422.92   3778066.44      117.79634  (16012217)               405442.92
3778066.44      132.61668  (15022109)
        405462.92   3778066.44      187.73319  (12111715)               404922.92
3778086.44       41.92883  (12022717)
        404942.92   3778086.44       44.20436  (12022717)               404962.92
3778086.44       46.62369  (12022717)
        404982.92   3778086.44       49.19936  (12022717)               405002.92
3778086.44       51.94013  (12022717)
 *** AERMOD - VERSION 21112  ***   ***
C:\Users\apoll\Desktop\HARP2\HARP\Derby\Derby HRA\Derby HRA.isc      ***
11/15/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:03:45

                                 PAGE 128
 *** 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)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
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        405022.92   3778086.44       54.85330  (12022717)                405042.92
3778086.44       57.95101  (12022717)
        405062.92   3778086.44       61.24275  (12022717)                405082.92
3778086.44       64.73382  (12022717)
        405102.92   3778086.44       68.42937  (12022717)                405122.92
3778086.44       72.34134  (12022717)
        405142.92   3778086.44       76.47333  (12022717)                405162.92
3778086.44       80.82423  (12022717)
        405182.92   3778086.44       85.38983  (12022717)                405202.92
3778086.44       90.15991  (12022717)
        405222.92   3778086.44       95.10691  (12022717)                405242.92
3778086.44      100.40207  (12022717)
        405262.92   3778086.44      106.25420  (12022717)                405282.92
3778086.44      110.58293  (12022717)
        405302.92   3778086.44      115.64038  (12022717)                405322.92
3778086.44      120.31960  (12022717)
        405342.92   3778086.44      124.58761  (12022717)                405362.92
3778086.44      128.12099  (12022717)
        405382.92   3778086.44      130.44801  (12022717)                405402.92
3778086.44      131.13635  (12022717)
        405422.92   3778086.44      129.61083  (12022717)                405442.92
3778086.44      142.85587  (16012217)
        405462.92   3778086.44      163.01492  (12111715)                404917.73
3778096.23       40.63403  (12022717)
        405475.70   3778102.48      189.99470  (16012217)                405479.50
3777968.91      240.49176  (12111715)
        405613.93   3777970.15      213.32849  (12021515)                405621.53
3777920.23      143.87125  (12101116)
        405768.63   3777918.98      198.81244  (12042618)                405777.51
3777937.70      201.95764  (12042618)
        405908.13   3777881.53       92.89118  (12111716)                406116.10
3777816.62       46.23392  (12012517)
        406198.53   3777786.66       36.87317  (12012517)                406199.80
3777568.21       24.46222  (12111716)
        404921.53   3777569.46       13.08182  (16012217)

 *** AERMOD - VERSION 21112  ***   ***
C:\Users\apoll\Desktop\HARP2\HARP\Derby\Derby HRA\Derby HRA.isc      ***
11/15/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:03:45

                                  PAGE 129
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                       *** THE SUMMARY OF MAXIMUM PERIOD ( 43848
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
- -
- - - - - - - - - - - - - - - - - -

ALL 1ST HIGHEST VALUE IS 9.60863 AT (405475.70, 3778102.48, 146.31,
1875.60, 0.00) DC
2ND HIGHEST VALUE IS 7.83551 AT (405462.92, 3778086.44, 146.32,
1875.60, 0.00) DC
3RD HIGHEST VALUE IS 6.94063 AT (405462.92, 3778066.44, 146.08,
1875.60, 0.00) DC
4TH HIGHEST VALUE IS 6.74545 AT (405442.92, 3778086.44, 146.48,
1875.60, 0.00) DC
5TH HIGHEST VALUE IS 6.14519 AT (405462.92, 3778046.44, 145.72,
1875.60, 0.00) DC
6TH HIGHEST VALUE IS 6.07281 AT (405442.92, 3778066.44, 146.21,
1875.60, 0.00) DC
7TH HIGHEST VALUE IS 5.83935 AT (405422.92, 3778086.44, 146.56,
1875.60, 0.00) DC
8TH HIGHEST VALUE IS 5.65768 AT (405613.93, 3777970.15, 144.28,
1875.60, 0.00) DC
9TH HIGHEST VALUE IS 5.45596 AT (405442.92, 3778046.44, 145.74,
1875.60, 0.00) DC
10TH HIGHEST VALUE IS 5.45342 AT (405602.92, 3777966.44, 144.30,
1875.60, 0.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** 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
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -

ALL      HIGH   1ST HIGH VALUE IS     282.05119  ON 12021515: AT (  405542.92,
3777966.44,   144.71,  1875.60,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
↑ *** AERMOD - VERSION 21112  ***   ***
C:\Users\apoll\Desktop\HARP2\HARP\Derby\Derby HRA\Derby HRA.isc      ***
11/15/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:03:45

                                  PAGE 131
 *** 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          1684 Informational Message(s)

 A Total of         43848 Hours Were Processed

 A Total of            75 Calm Hours Identified

 A Total of          1609 Missing Hours Identified (  3.67 Percent)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 ME W186    1106       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
     0.50
 ME W187    1106       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
```

```
**********************************
*** AERMOD Finishes Successfully ***
**********************************
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                          ***   MODEL SETUP OPTIONS SUMMARY
 ***
 -
- -

 **Model Is Setup For Calculation of Average CONCentration Values.

   -- DEPOSITION LOGIC --
 **NO GAS DEPOSITION Data Provided.
 **NO PARTICLE DEPOSITION Data Provided.
 **Model Uses NO DRY DEPLETION. DRYDPLT = F
 **Model Uses NO WET DEPLETION. WETDPLT = F

 **Model Uses URBAN Dispersion Algorithm for the SBL for   72 Source(s),
   for Total of   1 Urban Area(s):
   Urban Population =   9818605.0 ; Urban Roughness Length = 1.000 m

 **Model Uses Regulatory DEFAULT Options:
         1. Stack-tip Downwash.
         2. Model Accounts for ELEVated Terrain Effects.
         3. Use Calms Processing Routine.
         4. Use Missing Data Processing Routine.
         5. No Exponential Decay.
         6. Urban Roughness Length of 1.0 Meter Assumed.

 **Other Options Specified:
         ADJ_U*   - Use ADJ_U* option for SBL in AERMET
         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: 72 Source(s);   1 Source Group(s); and   1315
Receptor(s)

                with: 0 POINT(s), including
                           0 POINTCAP(s) and   0 POINTHOR(s)

```
                and:     72 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)


 **Model Set To Continue RUNning After the Setup Testing.

 **The AERMET Input Meteorological Data Version Date:  16216

 **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) =   182.00 ;  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 =      3.7 MB of RAM.

 **Input Runstream File:          aermod.inp

 **Output Print File:             aermod.out


 **Detailed Error/Message File:   Derby HRA.err

 **File for Summary of Results:   Derby HRA.sum

 *** AERMOD - VERSION 21112  ***   ***
C:\Users\apoll\Desktop\HARP2\HARP\Derby\Derby HRA\Derby HRA.isc      ***
11/15/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:03:45

                                  PAGE   2
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*** 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
```

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,

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ..\AzusaADJU\AZUS_v9.SFC
Met Version: 16216
Profile file: ..\AzusaADJU\AZUS_v9.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 3179 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN

Year: 2012 Year: 2012

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
12	01	01	1	01	-21.3	0.224	-9.000	-9.000	-999.	255.	55.3	0.36	1.68	1.00	1.80	20.	9.1	293.1	5.5
12	01	01	1	02	-32.6	0.342	-9.000	-9.000	-999.	481.	128.9	0.36	1.68	1.00	2.70	99.	9.1	293.1	5.5
12	01	01	1	03	-26.4	0.277	-9.000	-9.000	-999.	351.	84.1	0.36	1.68	1.00	2.20	14.	9.1	292.0	5.5
12	01	01	1	04	-32.6	0.342	-9.000	-9.000	-999.	480.	128.9	0.36	1.68	1.00	2.70	10.	9.1	292.5	5.5
12	01	01	1	05	-26.4	0.277	-9.000	-9.000	-999.	351.	84.1	0.36	1.68	1.00	2.20	12.	9.1	292.5	5.5
12	01	01	1	06	-21.6	0.224	-9.000	-9.000	-999.	256.	55.2	0.36	1.68	1.00	1.80	118.	9.1	289.2	5.5
12	01	01	1	07	-26.6	0.277	-9.000	-9.000	-999.	349.	84.1	0.36	1.68	1.00	2.20	64.	9.1	290.9	5.5
12	01	01	1	08	-1.3	0.062	-9.000	-9.000	-999.	124.	16.5	0.36	1.68	0.55	0.40	36.	9.1	290.9	5.5
12	01	01	1	09	38.1	0.160	0.348	0.008	39.	153.	-9.5	0.36	1.68	0.32	0.90	124.	9.1	293.8	5.5
12	01	01	1	10	99.5	0.179	0.693	0.007	119.	181.	-5.1	0.36	1.68	0.25	0.90	21.	9.1	298.1	5.5
12	01	01	1	11	142.6	0.494	1.086	0.005	321.	832.	-75.2	0.36	1.68	0.22	3.60	141.	9.1	299.9	5.5
12	01	01	1	12	162.8	0.442	1.385	0.005	582.	709.	-47.3	0.36	1.68	0.21	3.10	122.	9.1	299.9	5.5
12	01	01	1	13	164.4	0.298	1.634	0.005	946.	405.	-14.3	0.36	1.68	0.21	1.80	114.	9.1	300.9	5.5
12	01	01	1	14	142.7	0.293	1.718	0.005	1265.	382.	-15.8	0.36	1.68	0.22	1.80	93.	9.1	302.5	5.5
12	01	01	1	15	96.7	0.283	1.575	0.005	1438.	361.	-20.7	0.36	1.68	0.26	1.80	110.	9.1	303.8	5.5
12	01	01	1	16	41.5	0.207	1.201	0.005	1485.	228.	-18.9	0.36	1.68	0.35	1.30	113.	9.1	304.2	5.5
12	01	01	1	17	-37.8	0.464	-9.000	-9.000	-999.	757.	236.3	0.36	1.68	0.62	3.60	251.	9.1	300.9	5.5
12	01	01	1	18	-26.1	0.277	-9.000	-9.000	-999.	379.	84.2	0.36	1.68	1.00	2.20	8.	9.1	296.4	5.5
12	01	01	1	19	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.36	1.68						

```
1.00  999.00  999.   -9.0  295.9    5.5
 12 01 01   1 20   -5.7  0.107 -9.000 -9.000 -999.   84.     19.3  0.36   1.68
1.00    0.90   35.    9.1  295.4    5.5
 12 01 01   1 21  -21.3  0.224 -9.000 -9.000 -999.  255.     55.3  0.36   1.68
1.00    1.80  213.    9.1  293.8    5.5
 12 01 01   1 22  -21.3  0.224 -9.000 -9.000 -999.  255.     55.3  0.36   1.68
1.00    1.80   52.    9.1  293.8    5.5
 12 01 01   1 23  -26.3  0.277 -9.000 -9.000 -999.  349.     84.2  0.36   1.68
1.00    2.20   58.    9.1  293.8    5.5
 12 01 01   1 24  -21.4  0.224 -9.000 -9.000 -999.  256.     55.3  0.36   1.68
1.00    1.80   83.    9.1  292.5    5.5


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 12 01 01 01    5.5 0 -999.  -99.00   293.2   99.0  -99.00  -99.00
 12 01 01 01    9.1 1   20.    1.80  -999.0   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
 *** AERMOD - VERSION 21112  ***   ***
C:\Users\apoll\Desktop\HARP2\HARP\Derby\Derby HRA\Derby HRA.isc      ***
11/15/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:03:45

                                  PAGE   4
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                      *** THE SUMMARY OF MAXIMUM PERIOD ( 43848
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
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -

ALL       1ST HIGHEST VALUE IS       9.60863 AT (  405475.70,  3778102.48,   146.31,
 1875.60,    0.00)  DC
          2ND HIGHEST VALUE IS       7.83551 AT (  405462.92,  3778086.44,   146.32,
 1875.60,    0.00)  DC
          3RD HIGHEST VALUE IS       6.94063 AT (  405462.92,  3778066.44,   146.08,
 1875.60,    0.00)  DC
          4TH HIGHEST VALUE IS       6.74545 AT (  405442.92,  3778086.44,   146.48,
 1875.60,    0.00)  DC
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         5TH HIGHEST VALUE IS       6.14519 AT (  405462.92,  3778046.44,   145.72,
 1875.60,    0.00)  DC
         6TH HIGHEST VALUE IS       6.07281 AT (  405442.92,  3778066.44,   146.21,
 1875.60,    0.00)  DC
         7TH HIGHEST VALUE IS       5.83935 AT (  405422.92,  3778086.44,   146.56,
 1875.60,    0.00)  DC
         8TH HIGHEST VALUE IS       5.65768 AT (  405613.93,  3777970.15,   144.28,
 1875.60,    0.00)  DC
         9TH HIGHEST VALUE IS       5.45596 AT (  405442.92,  3778046.44,   145.74,
 1875.60,    0.00)  DC
        10TH HIGHEST VALUE IS       5.45342 AT (  405602.92,  3777966.44,   144.30,
 1875.60,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
↑ *** AERMOD - VERSION 21112  ***   ***
C:\Users\apoll\Desktop\HARP2\HARP\Derby\Derby HRA\Derby HRA.isc      ***
11/15/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:03:45

                                  PAGE   5
 *** 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
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

ALL      HIGH   1ST HIGH VALUE IS     282.05119  ON 12021515: AT (  405542.92,
3777966.44,   144.71,  1875.60,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
↑ *** AERMOD - VERSION 21112  ***   ***
```

 *** 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   1684 Informational Message(s)

 A Total of   43848 Hours Were Processed

 A Total of   75 Calm Hours Identified

 A Total of   1609 Missing Hours Identified (3.67 Percent)

    ******** FATAL ERROR MESSAGES ********
               *** NONE ***

    ********   WARNING MESSAGES   ********
 ME W186   1106   MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
     0.50
 ME W187   1106   MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

HARP2 - HRACalc (dated 22118) 5/11/2023 5:43:09 AM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25
Total Exposure Duration: 1.75

Exposure Duration Bin Distribution
3rd Trimester Bin: 0.25
0<2 Years Bin: 1.75
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: True
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: RMP

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: OFF

****
SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.05
Soil mixing depth (m): 0.01
Dermal climate: Warm

****
HOMEGROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden
Fraction leafy: 0.137
Fraction exposed: 0.137
Fraction protected: 0.137
Fraction root: 0.137

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to:
C:\Users\apoll\Desktop\HARP2\HARP\Derby\HARP\hra\ResidentialCancerRisk.csv
Cancer risk total by receptor saved to:
C:\Users\apoll\Desktop\HARP2\HARP\Derby\HARP\hra\ResidentialCancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to:
C:\Users\apoll\Desktop\HARP2\HARP\Derby\HARP\hra\ResidentialNCChronicRisk.csv
Chronic risk total by receptor saved to:
C:\Users\apoll\Desktop\HARP2\HARP\Derby\HARP\hra\ResidentialNCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to:
C:\Users\apoll\Desktop\HARP2\HARP\Derby\HARP\hra\ResidentialNCAcuteRisk.csv
Acute risk total by receptor saved to:
C:\Users\apoll\Desktop\HARP2\HARP\Derby\HARP\hra\ResidentialNCAcuteRiskSumByRec.csv
HRA ran successfully

REC	GRP	NETID	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RIS	WATER_RI	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RISI	PIG_RISK	CHICKEN_R	EGG_RISK
1	ALL		404922.9	3777586	2.18E-07	1.75YrCanc	2.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	ALL		404942.9	3777586	2.24E-07	1.75YrCanc	2.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	ALL		404962.9	3777586	2.31E-07	1.75YrCanc	2.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	ALL		404982.9	3777586	2.38E-07	1.75YrCanc	2.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	ALL		405002.9	3777586	2.45E-07	1.75YrCanc	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	ALL		405022.9	3777586	2.52E-07	1.75YrCanc	2.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	ALL		405042.9	3777586	2.59E-07	1.75YrCanc	2.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	ALL		405062.9	3777586	2.67E-07	1.75YrCanc	2.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9	ALL		405082.9	3777586	2.75E-07	1.75YrCanc	2.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10	ALL		405102.9	3777586	2.83E-07	1.75YrCanc	2.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
11	ALL		405122.9	3777586	2.92E-07	1.75YrCanc	2.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12	ALL		405142.9	3777586	3.00E-07	1.75YrCanc	3.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
13	ALL		405162.9	3777586	3.09E-07	1.75YrCanc	3.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14	ALL		405182.9	3777586	3.17E-07	1.75YrCanc	3.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	ALL		405202.9	3777586	3.26E-07	1.75YrCanc	3.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
16	ALL		405222.9	3777586	3.35E-07	1.75YrCanc	3.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17	ALL		405242.9	3777586	3.44E-07	1.75YrCanc	3.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18	ALL		405262.9	3777586	3.53E-07	1.75YrCanc	3.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	ALL		405282.9	3777586	3.62E-07	1.75YrCanc	3.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	ALL		405302.9	3777586	3.70E-07	1.75YrCanc	3.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	ALL		405322.9	3777586	3.79E-07	1.75YrCanc	3.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22	ALL		405342.9	3777586	3.87E-07	1.75YrCanc	3.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23	ALL		405362.9	3777586	3.95E-07	1.75YrCanc	3.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	ALL		405382.9	3777586	4.03E-07	1.75YrCanc	4.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
25	ALL		405402.9	3777586	4.10E-07	1.75YrCanc	4.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
26	ALL		405422.9	3777586	4.16E-07	1.75YrCanc	4.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
27	ALL		405442.9	3777586	4.22E-07	1.75YrCanc	4.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
28	ALL		405462.9	3777586	4.28E-07	1.75YrCanc	4.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
29	ALL		405482.9	3777586	4.32E-07	1.75YrCanc	4.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
30	ALL		405502.9	3777586	4.36E-07	1.75YrCanc	4.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
31	ALL		405522.9	3777586	4.39E-07	1.75YrCanc	4.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
32	ALL		405542.9	3777586	4.42E-07	1.75YrCanc	4.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
33	ALL		405562.9	3777586	4.43E-07	1.75YrCanc	4.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
34	ALL		405582.9	3777586	4.44E-07	1.75YrCanc	4.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
35	ALL		405602.9	3777586	4.44E-07	1.75YrCanc	4.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
36	ALL		405622.9	3777586	4.43E-07	1.75YrCanc	4.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
37	ALL		405642.9	3777586	4.42E-07	1.75YrCanc	4.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
38	ALL		405662.9	3777586	4.39E-07	1.75YrCanc	4.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
39	ALL		405682.9	3777586	4.37E-07	1.75YrCanc	4.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
40	ALL		405702.9	3777586	4.33E-07	1.75YrCanc	4.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
41	ALL		405722.9	3777586	4.29E-07	1.75YrCanc	4.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
42	ALL		405742.9	3777586	4.24E-07	1.75YrCanc	4.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
43	ALL		405762.9	3777586	4.19E-07	1.75YrCanc	4.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
44	ALL		405782.9	3777586	4.13E-07	1.75YrCanc	4.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
45	ALL		405802.9	3777586	4.07E-07	1.75YrCanc	4.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
46	ALL		405822.9	3777586	4.00E-07	1.75YrCanc	4.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
47	ALL		405842.9	3777586	3.93E-07	1.75YrCanc	3.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
48	ALL		405862.9	3777586	3.86E-07	1.75YrCanc	3.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

49	ALL	405882.9	3777586	3.79E-07	1.75YrCanc	3.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
50	ALL	405902.9	3777586	3.71E-07	1.75YrCanc	3.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	ALL	405922.9	3777586	3.63E-07	1.75YrCanc	3.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
52	ALL	405942.9	3777586	3.56E-07	1.75YrCanc	3.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
53	ALL	405962.9	3777586	3.48E-07	1.75YrCanc	3.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
54	ALL	405982.9	3777586	3.40E-07	1.75YrCanc	3.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
55	ALL	406002.9	3777586	3.32E-07	1.75YrCanc	3.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
56	ALL	406022.9	3777586	3.24E-07	1.75YrCanc	3.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
57	ALL	406042.9	3777586	3.16E-07	1.75YrCanc	3.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
58	ALL	406062.9	3777586	3.08E-07	1.75YrCanc	3.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
59	ALL	406082.9	3777586	3.00E-07	1.75YrCanc	3.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
60	ALL	406102.9	3777586	2.92E-07	1.75YrCanc	2.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
61	ALL	406122.9	3777586	2.85E-07	1.75YrCanc	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
62	ALL	406142.9	3777586	2.78E-07	1.75YrCanc	2.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
63	ALL	406162.9	3777586	2.70E-07	1.75YrCanc	2.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
64	ALL	406182.9	3777586	2.63E-07	1.75YrCanc	2.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
65	ALL	404922.9	3777606	2.23E-07	1.75YrCanc	2.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
66	ALL	404942.9	3777606	2.30E-07	1.75YrCanc	2.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
67	ALL	404962.9	3777606	2.37E-07	1.75YrCanc	2.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
68	ALL	404982.9	3777606	2.44E-07	1.75YrCanc	2.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
69	ALL	405002.9	3777606	2.51E-07	1.75YrCanc	2.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
70	ALL	405022.9	3777606	2.59E-07	1.75YrCanc	2.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
71	ALL	405042.9	3777606	2.67E-07	1.75YrCanc	2.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
72	ALL	405062.9	3777606	2.75E-07	1.75YrCanc	2.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
73	ALL	405082.9	3777606	2.84E-07	1.75YrCanc	2.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
74	ALL	405102.9	3777606	2.93E-07	1.75YrCanc	2.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
75	ALL	405122.9	3777606	3.01E-07	1.75YrCanc	3.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
76	ALL	405142.9	3777606	3.11E-07	1.75YrCanc	3.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
77	ALL	405162.9	3777606	3.20E-07	1.75YrCanc	3.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
78	ALL	405182.9	3777606	3.30E-07	1.75YrCanc	3.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
79	ALL	405202.9	3777606	3.39E-07	1.75YrCanc	3.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
80	ALL	405222.9	3777606	3.49E-07	1.75YrCanc	3.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
81	ALL	405242.9	3777606	3.59E-07	1.75YrCanc	3.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
82	ALL	405262.9	3777606	3.69E-07	1.75YrCanc	3.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
83	ALL	405282.9	3777606	3.78E-07	1.75YrCanc	3.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
84	ALL	405302.9	3777606	3.88E-07	1.75YrCanc	3.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
85	ALL	405322.9	3777606	3.97E-07	1.75YrCanc	3.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
86	ALL	405342.9	3777606	4.07E-07	1.75YrCanc	4.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	ALL	405362.9	3777606	4.16E-07	1.75YrCanc	4.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
88	ALL	405382.9	3777606	4.24E-07	1.75YrCanc	4.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
89	ALL	405402.9	3777606	4.32E-07	1.75YrCanc	4.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
90	ALL	405422.9	3777606	4.39E-07	1.75YrCanc	4.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
91	ALL	405442.9	3777606	4.46E-07	1.75YrCanc	4.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
92	ALL	405462.9	3777606	4.52E-07	1.75YrCanc	4.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
93	ALL	405482.9	3777606	4.58E-07	1.75YrCanc	4.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
94	ALL	405502.9	3777606	4.62E-07	1.75YrCanc	4.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
95	ALL	405522.9	3777606	4.66E-07	1.75YrCanc	4.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
96	ALL	405542.9	3777606	4.69E-07	1.75YrCanc	4.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
97	ALL	405562.9	3777606	4.71E-07	1.75YrCanc	4.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

98	ALL	405582.9	3777606	4.72E-07	1.75YrCanc	4.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
99	ALL	405602.9	3777606	4.72E-07	1.75YrCanc	4.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
100	ALL	405622.9	3777606	4.71E-07	1.75YrCanc	4.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
101	ALL	405642.9	3777606	4.69E-07	1.75YrCanc	4.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
102	ALL	405662.9	3777606	4.67E-07	1.75YrCanc	4.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
103	ALL	405682.9	3777606	4.64E-07	1.75YrCanc	4.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
104	ALL	405702.9	3777606	4.60E-07	1.75YrCanc	4.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
105	ALL	405722.9	3777606	4.55E-07	1.75YrCanc	4.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
106	ALL	405742.9	3777606	4.50E-07	1.75YrCanc	4.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
107	ALL	405762.9	3777606	4.44E-07	1.75YrCanc	4.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
108	ALL	405782.9	3777606	4.38E-07	1.75YrCanc	4.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
109	ALL	405802.9	3777606	4.30E-07	1.75YrCanc	4.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
110	ALL	405822.9	3777606	4.23E-07	1.75YrCanc	4.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
111	ALL	405842.9	3777606	4.15E-07	1.75YrCanc	4.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
112	ALL	405862.9	3777606	4.07E-07	1.75YrCanc	4.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
113	ALL	405882.9	3777606	3.99E-07	1.75YrCanc	3.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
114	ALL	405902.9	3777606	3.91E-07	1.75YrCanc	3.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
115	ALL	405922.9	3777606	3.82E-07	1.75YrCanc	3.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
116	ALL	405942.9	3777606	3.73E-07	1.75YrCanc	3.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
117	ALL	405962.9	3777606	3.64E-07	1.75YrCanc	3.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
118	ALL	405982.9	3777606	3.56E-07	1.75YrCanc	3.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
119	ALL	406002.9	3777606	3.47E-07	1.75YrCanc	3.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
120	ALL	406022.9	3777606	3.38E-07	1.75YrCanc	3.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
121	ALL	406042.9	3777606	3.30E-07	1.75YrCanc	3.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
122	ALL	406062.9	3777606	3.21E-07	1.75YrCanc	3.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
123	ALL	406082.9	3777606	3.12E-07	1.75YrCanc	3.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
124	ALL	406102.9	3777606	3.04E-07	1.75YrCanc	3.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
125	ALL	406122.9	3777606	2.96E-07	1.75YrCanc	2.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
126	ALL	406142.9	3777606	2.88E-07	1.75YrCanc	2.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
127	ALL	406162.9	3777606	2.80E-07	1.75YrCanc	2.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
128	ALL	406182.9	3777606	2.73E-07	1.75YrCanc	2.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
129	ALL	404922.9	3777626	2.28E-07	1.75YrCanc	2.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
130	ALL	404942.9	3777626	2.35E-07	1.75YrCanc	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
131	ALL	404962.9	3777626	2.43E-07	1.75YrCanc	2.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
132	ALL	404982.9	3777626	2.50E-07	1.75YrCanc	2.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
133	ALL	405002.9	3777626	2.58E-07	1.75YrCanc	2.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
134	ALL	405022.9	3777626	2.66E-07	1.75YrCanc	2.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
135	ALL	405042.9	3777626	2.75E-07	1.75YrCanc	2.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
136	ALL	405062.9	3777626	2.84E-07	1.75YrCanc	2.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
137	ALL	405082.9	3777626	2.93E-07	1.75YrCanc	2.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
138	ALL	405102.9	3777626	3.02E-07	1.75YrCanc	3.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
139	ALL	405122.9	3777626	3.12E-07	1.75YrCanc	3.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
140	ALL	405142.9	3777626	3.22E-07	1.75YrCanc	3.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
141	ALL	405162.9	3777626	3.32E-07	1.75YrCanc	3.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
142	ALL	405182.9	3777626	3.42E-07	1.75YrCanc	3.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
143	ALL	405202.9	3777626	3.53E-07	1.75YrCanc	3.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
144	ALL	405222.9	3777626	3.64E-07	1.75YrCanc	3.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
145	ALL	405242.9	3777626	3.74E-07	1.75YrCanc	3.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
146	ALL	405262.9	3777626	3.85E-07	1.75YrCanc	3.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

147	ALL	405282.9	3777626	3.96E-07	1.75YrCanc	3.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
148	ALL	405302.9	3777626	4.07E-07	1.75YrCanc	4.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
149	ALL	405322.9	3777626	4.17E-07	1.75YrCanc	4.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
150	ALL	405342.9	3777626	4.28E-07	1.75YrCanc	4.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
151	ALL	405362.9	3777626	4.38E-07	1.75YrCanc	4.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
152	ALL	405382.9	3777626	4.47E-07	1.75YrCanc	4.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
153	ALL	405402.9	3777626	4.56E-07	1.75YrCanc	4.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
154	ALL	405422.9	3777626	4.65E-07	1.75YrCanc	4.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
155	ALL	405442.9	3777626	4.73E-07	1.75YrCanc	4.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
156	ALL	405462.9	3777626	4.80E-07	1.75YrCanc	4.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
157	ALL	405482.9	3777626	4.86E-07	1.75YrCanc	4.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
158	ALL	405502.9	3777626	4.91E-07	1.75YrCanc	4.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
159	ALL	405522.9	3777626	4.95E-07	1.75YrCanc	4.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
160	ALL	405542.9	3777626	4.99E-07	1.75YrCanc	4.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
161	ALL	405562.9	3777626	5.01E-07	1.75YrCanc	5.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
162	ALL	405582.9	3777626	5.02E-07	1.75YrCanc	5.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
163	ALL	405602.9	3777626	5.02E-07	1.75YrCanc	5.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
164	ALL	405622.9	3777626	5.02E-07	1.75YrCanc	5.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
165	ALL	405642.9	3777626	5.00E-07	1.75YrCanc	5.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
166	ALL	405662.9	3777626	4.97E-07	1.75YrCanc	4.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
167	ALL	405682.9	3777626	4.94E-07	1.75YrCanc	4.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
168	ALL	405702.9	3777626	4.89E-07	1.75YrCanc	4.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
169	ALL	405722.9	3777626	4.84E-07	1.75YrCanc	4.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
170	ALL	405742.9	3777626	4.78E-07	1.75YrCanc	4.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
171	ALL	405762.9	3777626	4.71E-07	1.75YrCanc	4.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
172	ALL	405782.9	3777626	4.64E-07	1.75YrCanc	4.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
173	ALL	405802.9	3777626	4.56E-07	1.75YrCanc	4.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
174	ALL	405822.9	3777626	4.48E-07	1.75YrCanc	4.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
175	ALL	405842.9	3777626	4.39E-07	1.75YrCanc	4.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
176	ALL	405862.9	3777626	4.30E-07	1.75YrCanc	4.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
177	ALL	405882.9	3777626	4.21E-07	1.75YrCanc	4.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
178	ALL	405902.9	3777626	4.11E-07	1.75YrCanc	4.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
179	ALL	405922.9	3777626	4.02E-07	1.75YrCanc	4.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
180	ALL	405942.9	3777626	3.92E-07	1.75YrCanc	3.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
181	ALL	405962.9	3777626	3.83E-07	1.75YrCanc	3.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
182	ALL	405982.9	3777626	3.73E-07	1.75YrCanc	3.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
183	ALL	406002.9	3777626	3.63E-07	1.75YrCanc	3.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
184	ALL	406022.9	3777626	3.54E-07	1.75YrCanc	3.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
185	ALL	406042.9	3777626	3.44E-07	1.75YrCanc	3.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
186	ALL	406062.9	3777626	3.35E-07	1.75YrCanc	3.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
187	ALL	406082.9	3777626	3.25E-07	1.75YrCanc	3.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
188	ALL	406102.9	3777626	3.16E-07	1.75YrCanc	3.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
189	ALL	406122.9	3777626	3.07E-07	1.75YrCanc	3.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
190	ALL	406142.9	3777626	2.99E-07	1.75YrCanc	2.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
191	ALL	406162.9	3777626	2.91E-07	1.75YrCanc	2.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
192	ALL	406182.9	3777626	2.83E-07	1.75YrCanc	2.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
193	ALL	404922.9	3777646	2.34E-07	1.75YrCanc	2.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
194	ALL	404942.9	3777646	2.41E-07	1.75YrCanc	2.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
195	ALL	404962.9	3777646	2.49E-07	1.75YrCanc	2.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

196	ALL	404982.9	3777646	2.57E-07	1.75YrCanc	2.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
197	ALL	405002.9	3777646	2.65E-07	1.75YrCanc	2.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
198	ALL	405022.9	3777646	2.74E-07	1.75YrCanc	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
199	ALL	405042.9	3777646	2.83E-07	1.75YrCanc	2.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
200	ALL	405062.9	3777646	2.92E-07	1.75YrCanc	2.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
201	ALL	405082.9	3777646	3.02E-07	1.75YrCanc	3.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
202	ALL	405102.9	3777646	3.12E-07	1.75YrCanc	3.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
203	ALL	405122.9	3777646	3.23E-07	1.75YrCanc	3.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
204	ALL	405142.9	3777646	3.33E-07	1.75YrCanc	3.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
205	ALL	405162.9	3777646	3.44E-07	1.75YrCanc	3.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
206	ALL	405182.9	3777646	3.56E-07	1.75YrCanc	3.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
207	ALL	405202.9	3777646	3.67E-07	1.75YrCanc	3.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
208	ALL	405222.9	3777646	3.79E-07	1.75YrCanc	3.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
209	ALL	405242.9	3777646	3.91E-07	1.75YrCanc	3.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
210	ALL	405262.9	3777646	4.03E-07	1.75YrCanc	4.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
211	ALL	405282.9	3777646	4.14E-07	1.75YrCanc	4.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
212	ALL	405302.9	3777646	4.27E-07	1.75YrCanc	4.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
213	ALL	405322.9	3777646	4.38E-07	1.75YrCanc	4.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
214	ALL	405342.9	3777646	4.50E-07	1.75YrCanc	4.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
215	ALL	405362.9	3777646	4.61E-07	1.75YrCanc	4.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
216	ALL	405382.9	3777646	4.72E-07	1.75YrCanc	4.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
217	ALL	405402.9	3777646	4.83E-07	1.75YrCanc	4.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
218	ALL	405422.9	3777646	4.93E-07	1.75YrCanc	4.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
219	ALL	405442.9	3777646	5.02E-07	1.75YrCanc	5.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
220	ALL	405462.9	3777646	5.09E-07	1.75YrCanc	5.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
221	ALL	405482.9	3777646	5.16E-07	1.75YrCanc	5.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
222	ALL	405502.9	3777646	5.23E-07	1.75YrCanc	5.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
223	ALL	405522.9	3777646	5.28E-07	1.75YrCanc	5.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
224	ALL	405542.9	3777646	5.32E-07	1.75YrCanc	5.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
225	ALL	405562.9	3777646	5.35E-07	1.75YrCanc	5.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
226	ALL	405582.9	3777646	5.36E-07	1.75YrCanc	5.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
227	ALL	405602.9	3777646	5.36E-07	1.75YrCanc	5.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
228	ALL	405622.9	3777646	5.35E-07	1.75YrCanc	5.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
229	ALL	405642.9	3777646	5.34E-07	1.75YrCanc	5.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
230	ALL	405662.9	3777646	5.31E-07	1.75YrCanc	5.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
231	ALL	405682.9	3777646	5.27E-07	1.75YrCanc	5.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
232	ALL	405702.9	3777646	5.22E-07	1.75YrCanc	5.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
233	ALL	405722.9	3777646	5.16E-07	1.75YrCanc	5.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
234	ALL	405742.9	3777646	5.09E-07	1.75YrCanc	5.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
235	ALL	405762.9	3777646	5.01E-07	1.75YrCanc	5.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
236	ALL	405782.9	3777646	4.93E-07	1.75YrCanc	4.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
237	ALL	405802.9	3777646	4.84E-07	1.75YrCanc	4.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
238	ALL	405822.9	3777646	4.75E-07	1.75YrCanc	4.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
239	ALL	405842.9	3777646	4.65E-07	1.75YrCanc	4.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
240	ALL	405862.9	3777646	4.55E-07	1.75YrCanc	4.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
241	ALL	405882.9	3777646	4.45E-07	1.75YrCanc	4.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
242	ALL	405902.9	3777646	4.34E-07	1.75YrCanc	4.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
243	ALL	405922.9	3777646	4.23E-07	1.75YrCanc	4.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
244	ALL	405942.9	3777646	4.13E-07	1.75YrCanc	4.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

245	ALL	405962.9	3777646	4.02E-07	1.75YrCanc	4.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
246	ALL	405982.9	3777646	3.91E-07	1.75YrCanc	3.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
247	ALL	406002.9	3777646	3.81E-07	1.75YrCanc	3.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
248	ALL	406022.9	3777646	3.70E-07	1.75YrCanc	3.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
249	ALL	406042.9	3777646	3.59E-07	1.75YrCanc	3.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
250	ALL	406062.9	3777646	3.49E-07	1.75YrCanc	3.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
251	ALL	406082.9	3777646	3.39E-07	1.75YrCanc	3.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
252	ALL	406102.9	3777646	3.29E-07	1.75YrCanc	3.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
253	ALL	406122.9	3777646	3.20E-07	1.75YrCanc	3.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
254	ALL	406142.9	3777646	3.10E-07	1.75YrCanc	3.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
255	ALL	406162.9	3777646	3.02E-07	1.75YrCanc	3.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
256	ALL	406182.9	3777646	2.93E-07	1.75YrCanc	2.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
257	ALL	404922.9	3777666	2.39E-07	1.75YrCanc	2.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
258	ALL	404942.9	3777666	2.47E-07	1.75YrCanc	2.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
259	ALL	404962.9	3777666	2.55E-07	1.75YrCanc	2.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
260	ALL	404982.9	3777666	2.64E-07	1.75YrCanc	2.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
261	ALL	405002.9	3777666	2.73E-07	1.75YrCanc	2.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
262	ALL	405022.9	3777666	2.82E-07	1.75YrCanc	2.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
263	ALL	405042.9	3777666	2.91E-07	1.75YrCanc	2.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
264	ALL	405062.9	3777666	3.01E-07	1.75YrCanc	3.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
265	ALL	405082.9	3777666	3.12E-07	1.75YrCanc	3.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
266	ALL	405102.9	3777666	3.23E-07	1.75YrCanc	3.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
267	ALL	405122.9	3777666	3.34E-07	1.75YrCanc	3.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
268	ALL	405142.9	3777666	3.45E-07	1.75YrCanc	3.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
269	ALL	405162.9	3777666	3.57E-07	1.75YrCanc	3.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
270	ALL	405182.9	3777666	3.70E-07	1.75YrCanc	3.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
271	ALL	405202.9	3777666	3.82E-07	1.75YrCanc	3.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
272	ALL	405222.9	3777666	3.95E-07	1.75YrCanc	3.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
273	ALL	405242.9	3777666	4.08E-07	1.75YrCanc	4.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
274	ALL	405262.9	3777666	4.22E-07	1.75YrCanc	4.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
275	ALL	405282.9	3777666	4.35E-07	1.75YrCanc	4.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
276	ALL	405302.9	3777666	4.48E-07	1.75YrCanc	4.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
277	ALL	405322.9	3777666	4.62E-07	1.75YrCanc	4.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
278	ALL	405342.9	3777666	4.75E-07	1.75YrCanc	4.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
279	ALL	405362.9	3777666	4.87E-07	1.75YrCanc	4.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
280	ALL	405382.9	3777666	5.00E-07	1.75YrCanc	5.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
281	ALL	405402.9	3777666	5.11E-07	1.75YrCanc	5.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
282	ALL	405422.9	3777666	5.23E-07	1.75YrCanc	5.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
283	ALL	405442.9	3777666	5.33E-07	1.75YrCanc	5.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
284	ALL	405462.9	3777666	5.42E-07	1.75YrCanc	5.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
285	ALL	405482.9	3777666	5.50E-07	1.75YrCanc	5.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
286	ALL	405502.9	3777666	5.58E-07	1.75YrCanc	5.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
287	ALL	405522.9	3777666	5.64E-07	1.75YrCanc	5.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
288	ALL	405542.9	3777666	5.69E-07	1.75YrCanc	5.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
289	ALL	405562.9	3777666	5.72E-07	1.75YrCanc	5.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
290	ALL	405582.9	3777666	5.74E-07	1.75YrCanc	5.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
291	ALL	405602.9	3777666	5.74E-07	1.75YrCanc	5.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
292	ALL	405622.9	3777666	5.73E-07	1.75YrCanc	5.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
293	ALL	405642.9	3777666	5.71E-07	1.75YrCanc	5.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

294	ALL	405662.9	3777666	5.68E-07	1.75YrCanc	5.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
295	ALL	405682.9	3777666	5.63E-07	1.75YrCanc	5.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
296	ALL	405702.9	3777666	5.58E-07	1.75YrCanc	5.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
297	ALL	405722.9	3777666	5.51E-07	1.75YrCanc	5.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
298	ALL	405742.9	3777666	5.43E-07	1.75YrCanc	5.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
299	ALL	405762.9	3777666	5.35E-07	1.75YrCanc	5.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
300	ALL	405782.9	3777666	5.25E-07	1.75YrCanc	5.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
301	ALL	405802.9	3777666	5.15E-07	1.75YrCanc	5.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
302	ALL	405822.9	3777666	5.05E-07	1.75YrCanc	5.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
303	ALL	405842.9	3777666	4.94E-07	1.75YrCanc	4.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
304	ALL	405862.9	3777666	4.82E-07	1.75YrCanc	4.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
305	ALL	405882.9	3777666	4.71E-07	1.75YrCanc	4.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
306	ALL	405902.9	3777666	4.59E-07	1.75YrCanc	4.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
307	ALL	405922.9	3777666	4.47E-07	1.75YrCanc	4.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
308	ALL	405942.9	3777666	4.35E-07	1.75YrCanc	4.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
309	ALL	405962.9	3777666	4.23E-07	1.75YrCanc	4.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
310	ALL	405982.9	3777666	4.11E-07	1.75YrCanc	4.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
311	ALL	406002.9	3777666	3.99E-07	1.75YrCanc	3.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
312	ALL	406022.9	3777666	3.87E-07	1.75YrCanc	3.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
313	ALL	406042.9	3777666	3.76E-07	1.75YrCanc	3.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
314	ALL	406062.9	3777666	3.65E-07	1.75YrCanc	3.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
315	ALL	406082.9	3777666	3.54E-07	1.75YrCanc	3.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
316	ALL	406102.9	3777666	3.43E-07	1.75YrCanc	3.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
317	ALL	406122.9	3777666	3.33E-07	1.75YrCanc	3.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
318	ALL	406142.9	3777666	3.23E-07	1.75YrCanc	3.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
319	ALL	406162.9	3777666	3.13E-07	1.75YrCanc	3.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
320	ALL	406182.9	3777666	3.04E-07	1.75YrCanc	3.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
321	ALL	404922.9	3777686	2.45E-07	1.75YrCanc	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
322	ALL	404942.9	3777686	2.53E-07	1.75YrCanc	2.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
323	ALL	404962.9	3777686	2.61E-07	1.75YrCanc	2.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
324	ALL	404982.9	3777686	2.70E-07	1.75YrCanc	2.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
325	ALL	405002.9	3777686	2.80E-07	1.75YrCanc	2.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
326	ALL	405022.9	3777686	2.90E-07	1.75YrCanc	2.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
327	ALL	405042.9	3777686	3.00E-07	1.75YrCanc	3.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
328	ALL	405062.9	3777686	3.11E-07	1.75YrCanc	3.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
329	ALL	405082.9	3777686	3.22E-07	1.75YrCanc	3.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
330	ALL	405102.9	3777686	3.34E-07	1.75YrCanc	3.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
331	ALL	405122.9	3777686	3.46E-07	1.75YrCanc	3.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
332	ALL	405142.9	3777686	3.58E-07	1.75YrCanc	3.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
333	ALL	405162.9	3777686	3.71E-07	1.75YrCanc	3.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
334	ALL	405182.9	3777686	3.85E-07	1.75YrCanc	3.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
335	ALL	405202.9	3777686	3.98E-07	1.75YrCanc	3.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
336	ALL	405222.9	3777686	4.13E-07	1.75YrCanc	4.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
337	ALL	405242.9	3777686	4.27E-07	1.75YrCanc	4.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
338	ALL	405262.9	3777686	4.42E-07	1.75YrCanc	4.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
339	ALL	405282.9	3777686	4.56E-07	1.75YrCanc	4.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
340	ALL	405302.9	3777686	4.71E-07	1.75YrCanc	4.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
341	ALL	405322.9	3777686	4.86E-07	1.75YrCanc	4.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
342	ALL	405342.9	3777686	5.01E-07	1.75YrCanc	5.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

343	ALL	405362.9	3777686	5.15E-07	1.75YrCanc	5.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
344	ALL	405382.9	3777686	5.29E-07	1.75YrCanc	5.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
345	ALL	405402.9	3777686	5.43E-07	1.75YrCanc	5.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
346	ALL	405422.9	3777686	5.56E-07	1.75YrCanc	5.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
347	ALL	405442.9	3777686	5.67E-07	1.75YrCanc	5.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
348	ALL	405462.9	3777686	5.78E-07	1.75YrCanc	5.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
349	ALL	405482.9	3777686	5.88E-07	1.75YrCanc	5.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
350	ALL	405502.9	3777686	5.97E-07	1.75YrCanc	5.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
351	ALL	405522.9	3777686	6.04E-07	1.75YrCanc	6.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
352	ALL	405542.9	3777686	6.09E-07	1.75YrCanc	6.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
353	ALL	405562.9	3777686	6.13E-07	1.75YrCanc	6.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
354	ALL	405582.9	3777686	6.16E-07	1.75YrCanc	6.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
355	ALL	405602.9	3777686	6.16E-07	1.75YrCanc	6.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
356	ALL	405622.9	3777686	6.15E-07	1.75YrCanc	6.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
357	ALL	405642.9	3777686	6.13E-07	1.75YrCanc	6.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
358	ALL	405662.9	3777686	6.10E-07	1.75YrCanc	6.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
359	ALL	405682.9	3777686	6.04E-07	1.75YrCanc	6.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
360	ALL	405702.9	3777686	5.98E-07	1.75YrCanc	5.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
361	ALL	405722.9	3777686	5.90E-07	1.75YrCanc	5.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
362	ALL	405742.9	3777686	5.81E-07	1.75YrCanc	5.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
363	ALL	405762.9	3777686	5.72E-07	1.75YrCanc	5.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
364	ALL	405782.9	3777686	5.61E-07	1.75YrCanc	5.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
365	ALL	405802.9	3777686	5.50E-07	1.75YrCanc	5.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
366	ALL	405822.9	3777686	5.38E-07	1.75YrCanc	5.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
367	ALL	405842.9	3777686	5.25E-07	1.75YrCanc	5.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
368	ALL	405862.9	3777686	5.12E-07	1.75YrCanc	5.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
369	ALL	405882.9	3777686	4.99E-07	1.75YrCanc	4.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
370	ALL	405902.9	3777686	4.86E-07	1.75YrCanc	4.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
371	ALL	405922.9	3777686	4.72E-07	1.75YrCanc	4.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
372	ALL	405942.9	3777686	4.59E-07	1.75YrCanc	4.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
373	ALL	405962.9	3777686	4.46E-07	1.75YrCanc	4.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
374	ALL	405982.9	3777686	4.32E-07	1.75YrCanc	4.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
375	ALL	406002.9	3777686	4.19E-07	1.75YrCanc	4.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
376	ALL	406022.9	3777686	4.06E-07	1.75YrCanc	4.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
377	ALL	406042.9	3777686	3.94E-07	1.75YrCanc	3.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
378	ALL	406062.9	3777686	3.81E-07	1.75YrCanc	3.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
379	ALL	406082.9	3777686	3.69E-07	1.75YrCanc	3.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
380	ALL	406102.9	3777686	3.58E-07	1.75YrCanc	3.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
381	ALL	406122.9	3777686	3.46E-07	1.75YrCanc	3.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
382	ALL	406142.9	3777686	3.36E-07	1.75YrCanc	3.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
383	ALL	406162.9	3777686	3.25E-07	1.75YrCanc	3.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
384	ALL	406182.9	3777686	3.15E-07	1.75YrCanc	3.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
385	ALL	404922.9	3777706	2.50E-07	1.75YrCanc	2.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
386	ALL	404942.9	3777706	2.59E-07	1.75YrCanc	2.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
387	ALL	404962.9	3777706	2.68E-07	1.75YrCanc	2.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
388	ALL	404982.9	3777706	2.78E-07	1.75YrCanc	2.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
389	ALL	405002.9	3777706	2.88E-07	1.75YrCanc	2.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
390	ALL	405022.9	3777706	2.98E-07	1.75YrCanc	2.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
391	ALL	405042.9	3777706	3.09E-07	1.75YrCanc	3.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

392	ALL	405062.9	3777706	3.20E-07	1.75YrCanc	3.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
393	ALL	405082.9	3777706	3.32E-07	1.75YrCanc	3.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
394	ALL	405102.9	3777706	3.45E-07	1.75YrCanc	3.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
395	ALL	405122.9	3777706	3.58E-07	1.75YrCanc	3.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
396	ALL	405142.9	3777706	3.71E-07	1.75YrCanc	3.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
397	ALL	405162.9	3777706	3.86E-07	1.75YrCanc	3.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
398	ALL	405182.9	3777706	4.00E-07	1.75YrCanc	4.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
399	ALL	405202.9	3777706	4.15E-07	1.75YrCanc	4.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
400	ALL	405222.9	3777706	4.31E-07	1.75YrCanc	4.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
401	ALL	405242.9	3777706	4.47E-07	1.75YrCanc	4.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
402	ALL	405262.9	3777706	4.63E-07	1.75YrCanc	4.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
403	ALL	405282.9	3777706	4.79E-07	1.75YrCanc	4.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
404	ALL	405302.9	3777706	4.96E-07	1.75YrCanc	4.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
405	ALL	405322.9	3777706	5.13E-07	1.75YrCanc	5.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
406	ALL	405342.9	3777706	5.29E-07	1.75YrCanc	5.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
407	ALL	405362.9	3777706	5.46E-07	1.75YrCanc	5.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
408	ALL	405382.9	3777706	5.62E-07	1.75YrCanc	5.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
409	ALL	405402.9	3777706	5.77E-07	1.75YrCanc	5.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
410	ALL	405422.9	3777706	5.92E-07	1.75YrCanc	5.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
411	ALL	405442.9	3777706	6.06E-07	1.75YrCanc	6.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
412	ALL	405462.9	3777706	6.18E-07	1.75YrCanc	6.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
413	ALL	405482.9	3777706	6.29E-07	1.75YrCanc	6.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
414	ALL	405502.9	3777706	6.40E-07	1.75YrCanc	6.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
415	ALL	405522.9	3777706	6.48E-07	1.75YrCanc	6.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
416	ALL	405542.9	3777706	6.55E-07	1.75YrCanc	6.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
417	ALL	405562.9	3777706	6.60E-07	1.75YrCanc	6.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
418	ALL	405582.9	3777706	6.63E-07	1.75YrCanc	6.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
419	ALL	405602.9	3777706	6.64E-07	1.75YrCanc	6.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
420	ALL	405622.9	3777706	6.63E-07	1.75YrCanc	6.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
421	ALL	405642.9	3777706	6.61E-07	1.75YrCanc	6.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
422	ALL	405662.9	3777706	6.57E-07	1.75YrCanc	6.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
423	ALL	405682.9	3777706	6.51E-07	1.75YrCanc	6.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
424	ALL	405702.9	3777706	6.43E-07	1.75YrCanc	6.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
425	ALL	405722.9	3777706	6.34E-07	1.75YrCanc	6.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
426	ALL	405742.9	3777706	6.24E-07	1.75YrCanc	6.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
427	ALL	405762.9	3777706	6.13E-07	1.75YrCanc	6.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
428	ALL	405782.9	3777706	6.01E-07	1.75YrCanc	6.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
429	ALL	405802.9	3777706	5.88E-07	1.75YrCanc	5.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
430	ALL	405822.9	3777706	5.74E-07	1.75YrCanc	5.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
431	ALL	405842.9	3777706	5.60E-07	1.75YrCanc	5.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
432	ALL	405862.9	3777706	5.45E-07	1.75YrCanc	5.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
433	ALL	405882.9	3777706	5.30E-07	1.75YrCanc	5.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
434	ALL	405902.9	3777706	5.15E-07	1.75YrCanc	5.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
435	ALL	405922.9	3777706	5.00E-07	1.75YrCanc	5.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
436	ALL	405942.9	3777706	4.85E-07	1.75YrCanc	4.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
437	ALL	405962.9	3777706	4.70E-07	1.75YrCanc	4.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
438	ALL	405982.9	3777706	4.55E-07	1.75YrCanc	4.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
439	ALL	406002.9	3777706	4.41E-07	1.75YrCanc	4.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
440	ALL	406022.9	3777706	4.26E-07	1.75YrCanc	4.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

441	ALL	406042.9	3777706	4.12E-07	1.75YrCanc	4.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
442	ALL	406062.9	3777706	3.99E-07	1.75YrCanc	3.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
443	ALL	406082.9	3777706	3.86E-07	1.75YrCanc	3.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
444	ALL	406102.9	3777706	3.73E-07	1.75YrCanc	3.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
445	ALL	406122.9	3777706	3.61E-07	1.75YrCanc	3.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
446	ALL	406142.9	3777706	3.49E-07	1.75YrCanc	3.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
447	ALL	406162.9	3777706	3.38E-07	1.75YrCanc	3.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
448	ALL	406182.9	3777706	3.27E-07	1.75YrCanc	3.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
449	ALL	404922.9	3777726	2.56E-07	1.75YrCanc	2.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
450	ALL	404942.9	3777726	2.65E-07	1.75YrCanc	2.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
451	ALL	404962.9	3777726	2.75E-07	1.75YrCanc	2.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
452	ALL	404982.9	3777726	2.85E-07	1.75YrCanc	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
453	ALL	405002.9	3777726	2.95E-07	1.75YrCanc	2.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
454	ALL	405022.9	3777726	3.06E-07	1.75YrCanc	3.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
455	ALL	405042.9	3777726	3.18E-07	1.75YrCanc	3.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
456	ALL	405062.9	3777726	3.30E-07	1.75YrCanc	3.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
457	ALL	405082.9	3777726	3.43E-07	1.75YrCanc	3.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
458	ALL	405102.9	3777726	3.56E-07	1.75YrCanc	3.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
459	ALL	405122.9	3777726	3.71E-07	1.75YrCanc	3.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
460	ALL	405142.9	3777726	3.85E-07	1.75YrCanc	3.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
461	ALL	405162.9	3777726	4.00E-07	1.75YrCanc	4.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
462	ALL	405182.9	3777726	4.16E-07	1.75YrCanc	4.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
463	ALL	405202.9	3777726	4.33E-07	1.75YrCanc	4.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
464	ALL	405222.9	3777726	4.50E-07	1.75YrCanc	4.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
465	ALL	405242.9	3777726	4.67E-07	1.75YrCanc	4.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
466	ALL	405262.9	3777726	4.85E-07	1.75YrCanc	4.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
467	ALL	405282.9	3777726	5.04E-07	1.75YrCanc	5.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
468	ALL	405302.9	3777726	5.22E-07	1.75YrCanc	5.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
469	ALL	405322.9	3777726	5.41E-07	1.75YrCanc	5.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
470	ALL	405342.9	3777726	5.60E-07	1.75YrCanc	5.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
471	ALL	405362.9	3777726	5.79E-07	1.75YrCanc	5.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
472	ALL	405382.9	3777726	5.97E-07	1.75YrCanc	5.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
473	ALL	405402.9	3777726	6.15E-07	1.75YrCanc	6.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
474	ALL	405422.9	3777726	6.32E-07	1.75YrCanc	6.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
475	ALL	405442.9	3777726	6.48E-07	1.75YrCanc	6.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
476	ALL	405462.9	3777726	6.62E-07	1.75YrCanc	6.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
477	ALL	405482.9	3777726	6.76E-07	1.75YrCanc	6.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
478	ALL	405502.9	3777726	6.88E-07	1.75YrCanc	6.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
479	ALL	405522.9	3777726	6.98E-07	1.75YrCanc	6.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
480	ALL	405542.9	3777726	7.06E-07	1.75YrCanc	7.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
481	ALL	405562.9	3777726	7.12E-07	1.75YrCanc	7.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
482	ALL	405582.9	3777726	7.15E-07	1.75YrCanc	7.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
483	ALL	405602.9	3777726	7.17E-07	1.75YrCanc	7.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
484	ALL	405622.9	3777726	7.16E-07	1.75YrCanc	7.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
485	ALL	405642.9	3777726	7.14E-07	1.75YrCanc	7.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
486	ALL	405662.9	3777726	7.09E-07	1.75YrCanc	7.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
487	ALL	405682.9	3777726	7.02E-07	1.75YrCanc	7.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
488	ALL	405702.9	3777726	6.94E-07	1.75YrCanc	6.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
489	ALL	405722.9	3777726	6.84E-07	1.75YrCanc	6.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

490	ALL	405742.9	3777726	6.72E-07	1.75YrCanc	6.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
491	ALL	405762.9	3777726	6.59E-07	1.75YrCanc	6.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
492	ALL	405782.9	3777726	6.45E-07	1.75YrCanc	6.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
493	ALL	405802.9	3777726	6.30E-07	1.75YrCanc	6.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
494	ALL	405822.9	3777726	6.14E-07	1.75YrCanc	6.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
495	ALL	405842.9	3777726	5.98E-07	1.75YrCanc	5.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
496	ALL	405862.9	3777726	5.81E-07	1.75YrCanc	5.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
497	ALL	405882.9	3777726	5.64E-07	1.75YrCanc	5.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
498	ALL	405902.9	3777726	5.47E-07	1.75YrCanc	5.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
499	ALL	405922.9	3777726	5.30E-07	1.75YrCanc	5.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
500	ALL	405942.9	3777726	5.13E-07	1.75YrCanc	5.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
501	ALL	405962.9	3777726	4.96E-07	1.75YrCanc	4.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
502	ALL	405982.9	3777726	4.80E-07	1.75YrCanc	4.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
503	ALL	406002.9	3777726	4.64E-07	1.75YrCanc	4.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
504	ALL	406022.9	3777726	4.48E-07	1.75YrCanc	4.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
505	ALL	406042.9	3777726	4.33E-07	1.75YrCanc	4.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
506	ALL	406062.9	3777726	4.18E-07	1.75YrCanc	4.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
507	ALL	406082.9	3777726	4.03E-07	1.75YrCanc	4.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
508	ALL	406102.9	3777726	3.90E-07	1.75YrCanc	3.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
509	ALL	406122.9	3777726	3.76E-07	1.75YrCanc	3.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
510	ALL	406142.9	3777726	3.64E-07	1.75YrCanc	3.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
511	ALL	406162.9	3777726	3.52E-07	1.75YrCanc	3.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
512	ALL	406182.9	3777726	3.40E-07	1.75YrCanc	3.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
513	ALL	404922.9	3777746	2.62E-07	1.75YrCanc	2.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
514	ALL	404942.9	3777746	2.71E-07	1.75YrCanc	2.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
515	ALL	404962.9	3777746	2.81E-07	1.75YrCanc	2.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
516	ALL	404982.9	3777746	2.92E-07	1.75YrCanc	2.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
517	ALL	405002.9	3777746	3.03E-07	1.75YrCanc	3.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
518	ALL	405022.9	3777746	3.15E-07	1.75YrCanc	3.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
519	ALL	405042.9	3777746	3.27E-07	1.75YrCanc	3.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
520	ALL	405062.9	3777746	3.40E-07	1.75YrCanc	3.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
521	ALL	405082.9	3777746	3.54E-07	1.75YrCanc	3.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
522	ALL	405102.9	3777746	3.68E-07	1.75YrCanc	3.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
523	ALL	405122.9	3777746	3.84E-07	1.75YrCanc	3.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
524	ALL	405142.9	3777746	3.99E-07	1.75YrCanc	3.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
525	ALL	405162.9	3777746	4.16E-07	1.75YrCanc	4.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
526	ALL	405182.9	3777746	4.33E-07	1.75YrCanc	4.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
527	ALL	405202.9	3777746	4.51E-07	1.75YrCanc	4.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
528	ALL	405222.9	3777746	4.70E-07	1.75YrCanc	4.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
529	ALL	405242.9	3777746	4.89E-07	1.75YrCanc	4.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
530	ALL	405262.9	3777746	5.09E-07	1.75YrCanc	5.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
531	ALL	405282.9	3777746	5.30E-07	1.75YrCanc	5.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
532	ALL	405302.9	3777746	5.51E-07	1.75YrCanc	5.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
533	ALL	405322.9	3777746	5.72E-07	1.75YrCanc	5.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
534	ALL	405342.9	3777746	5.93E-07	1.75YrCanc	5.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
535	ALL	405362.9	3777746	6.15E-07	1.75YrCanc	6.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
536	ALL	405382.9	3777746	6.36E-07	1.75YrCanc	6.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
537	ALL	405402.9	3777746	6.56E-07	1.75YrCanc	6.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
538	ALL	405422.9	3777746	6.76E-07	1.75YrCanc	6.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

539	ALL	405442.9	3777746	6.94E-07	1.75YrCanc	6.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
540	ALL	405462.9	3777746	7.12E-07	1.75YrCanc	7.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
541	ALL	405482.9	3777746	7.27E-07	1.75YrCanc	7.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
542	ALL	405502.9	3777746	7.41E-07	1.75YrCanc	7.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
543	ALL	405522.9	3777746	7.53E-07	1.75YrCanc	7.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
544	ALL	405542.9	3777746	7.63E-07	1.75YrCanc	7.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
545	ALL	405562.9	3777746	7.70E-07	1.75YrCanc	7.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
546	ALL	405582.9	3777746	7.75E-07	1.75YrCanc	7.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
547	ALL	405602.9	3777746	7.77E-07	1.75YrCanc	7.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
548	ALL	405622.9	3777746	7.77E-07	1.75YrCanc	7.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
549	ALL	405642.9	3777746	7.74E-07	1.75YrCanc	7.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
550	ALL	405662.9	3777746	7.68E-07	1.75YrCanc	7.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
551	ALL	405682.9	3777746	7.61E-07	1.75YrCanc	7.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
552	ALL	405702.9	3777746	7.51E-07	1.75YrCanc	7.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
553	ALL	405722.9	3777746	7.38E-07	1.75YrCanc	7.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
554	ALL	405742.9	3777746	7.25E-07	1.75YrCanc	7.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
555	ALL	405762.9	3777746	7.10E-07	1.75YrCanc	7.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
556	ALL	405782.9	3777746	6.94E-07	1.75YrCanc	6.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
557	ALL	405802.9	3777746	6.77E-07	1.75YrCanc	6.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
558	ALL	405822.9	3777746	6.59E-07	1.75YrCanc	6.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
559	ALL	405842.9	3777746	6.40E-07	1.75YrCanc	6.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
560	ALL	405862.9	3777746	6.21E-07	1.75YrCanc	6.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
561	ALL	405882.9	3777746	6.01E-07	1.75YrCanc	6.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
562	ALL	405902.9	3777746	5.82E-07	1.75YrCanc	5.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
563	ALL	405922.9	3777746	5.63E-07	1.75YrCanc	5.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
564	ALL	405942.9	3777746	5.44E-07	1.75YrCanc	5.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
565	ALL	405962.9	3777746	5.25E-07	1.75YrCanc	5.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
566	ALL	405982.9	3777746	5.07E-07	1.75YrCanc	5.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
567	ALL	406002.9	3777746	4.89E-07	1.75YrCanc	4.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
568	ALL	406022.9	3777746	4.71E-07	1.75YrCanc	4.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
569	ALL	406042.9	3777746	4.54E-07	1.75YrCanc	4.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
570	ALL	406062.9	3777746	4.38E-07	1.75YrCanc	4.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
571	ALL	406082.9	3777746	4.22E-07	1.75YrCanc	4.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
572	ALL	406102.9	3777746	4.07E-07	1.75YrCanc	4.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
573	ALL	406122.9	3777746	3.93E-07	1.75YrCanc	3.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
574	ALL	406142.9	3777746	3.79E-07	1.75YrCanc	3.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
575	ALL	406162.9	3777746	3.66E-07	1.75YrCanc	3.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
576	ALL	406182.9	3777746	3.53E-07	1.75YrCanc	3.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
577	ALL	404922.9	3777766	2.68E-07	1.75YrCanc	2.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
578	ALL	404942.9	3777766	2.78E-07	1.75YrCanc	2.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
579	ALL	404962.9	3777766	2.88E-07	1.75YrCanc	2.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
580	ALL	404982.9	3777766	3.00E-07	1.75YrCanc	3.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
581	ALL	405002.9	3777766	3.11E-07	1.75YrCanc	3.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
582	ALL	405022.9	3777766	3.24E-07	1.75YrCanc	3.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
583	ALL	405042.9	3777766	3.37E-07	1.75YrCanc	3.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
584	ALL	405062.9	3777766	3.51E-07	1.75YrCanc	3.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
585	ALL	405082.9	3777766	3.65E-07	1.75YrCanc	3.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
586	ALL	405102.9	3777766	3.81E-07	1.75YrCanc	3.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
587	ALL	405122.9	3777766	3.97E-07	1.75YrCanc	3.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

588	ALL	405142.9	3777766	4.14E-07	1.75YrCanc	4.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
589	ALL	405162.9	3777766	4.32E-07	1.75YrCanc	4.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
590	ALL	405182.9	3777766	4.51E-07	1.75YrCanc	4.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
591	ALL	405202.9	3777766	4.71E-07	1.75YrCanc	4.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
592	ALL	405222.9	3777766	4.91E-07	1.75YrCanc	4.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
593	ALL	405242.9	3777766	5.13E-07	1.75YrCanc	5.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
594	ALL	405262.9	3777766	5.35E-07	1.75YrCanc	5.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
595	ALL	405282.9	3777766	5.58E-07	1.75YrCanc	5.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
596	ALL	405302.9	3777766	5.81E-07	1.75YrCanc	5.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
597	ALL	405322.9	3777766	6.05E-07	1.75YrCanc	6.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
598	ALL	405342.9	3777766	6.29E-07	1.75YrCanc	6.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
599	ALL	405362.9	3777766	6.54E-07	1.75YrCanc	6.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
600	ALL	405382.9	3777766	6.78E-07	1.75YrCanc	6.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
601	ALL	405402.9	3777766	7.01E-07	1.75YrCanc	7.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
602	ALL	405422.9	3777766	7.25E-07	1.75YrCanc	7.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
603	ALL	405442.9	3777766	7.46E-07	1.75YrCanc	7.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
604	ALL	405462.9	3777766	7.66E-07	1.75YrCanc	7.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
605	ALL	405482.9	3777766	7.85E-07	1.75YrCanc	7.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
606	ALL	405502.9	3777766	8.00E-07	1.75YrCanc	8.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
607	ALL	405522.9	3777766	8.14E-07	1.75YrCanc	8.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
608	ALL	405542.9	3777766	8.27E-07	1.75YrCanc	8.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
609	ALL	405562.9	3777766	8.37E-07	1.75YrCanc	8.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
610	ALL	405582.9	3777766	8.43E-07	1.75YrCanc	8.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
611	ALL	405602.9	3777766	8.46E-07	1.75YrCanc	8.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
612	ALL	405622.9	3777766	8.45E-07	1.75YrCanc	8.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
613	ALL	405642.9	3777766	8.42E-07	1.75YrCanc	8.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
614	ALL	405662.9	3777766	8.36E-07	1.75YrCanc	8.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
615	ALL	405682.9	3777766	8.27E-07	1.75YrCanc	8.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
616	ALL	405702.9	3777766	8.15E-07	1.75YrCanc	8.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
617	ALL	405722.9	3777766	8.00E-07	1.75YrCanc	8.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
618	ALL	405742.9	3777766	7.85E-07	1.75YrCanc	7.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
619	ALL	405762.9	3777766	7.69E-07	1.75YrCanc	7.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
620	ALL	405782.9	3777766	7.49E-07	1.75YrCanc	7.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
621	ALL	405802.9	3777766	7.29E-07	1.75YrCanc	7.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
622	ALL	405822.9	3777766	7.08E-07	1.75YrCanc	7.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
623	ALL	405842.9	3777766	6.87E-07	1.75YrCanc	6.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
624	ALL	405862.9	3777766	6.64E-07	1.75YrCanc	6.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
625	ALL	405882.9	3777766	6.42E-07	1.75YrCanc	6.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
626	ALL	405902.9	3777766	6.20E-07	1.75YrCanc	6.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
627	ALL	405922.9	3777766	5.99E-07	1.75YrCanc	5.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
628	ALL	405942.9	3777766	5.77E-07	1.75YrCanc	5.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
629	ALL	405962.9	3777766	5.56E-07	1.75YrCanc	5.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
630	ALL	405982.9	3777766	5.35E-07	1.75YrCanc	5.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
631	ALL	406002.9	3777766	5.15E-07	1.75YrCanc	5.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
632	ALL	406022.9	3777766	4.96E-07	1.75YrCanc	4.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
633	ALL	406042.9	3777766	4.77E-07	1.75YrCanc	4.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
634	ALL	406062.9	3777766	4.59E-07	1.75YrCanc	4.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
635	ALL	406082.9	3777766	4.42E-07	1.75YrCanc	4.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
636	ALL	406102.9	3777766	4.26E-07	1.75YrCanc	4.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

637	ALL	406122.9	3777766	4.10E-07	1.75YrCanc	4.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
638	ALL	406142.9	3777766	3.95E-07	1.75YrCanc	3.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
639	ALL	406162.9	3777766	3.81E-07	1.75YrCanc	3.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
640	ALL	406182.9	3777766	3.68E-07	1.75YrCanc	3.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
641	ALL	404922.9	3777786	2.74E-07	1.75YrCanc	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
642	ALL	404942.9	3777786	2.84E-07	1.75YrCanc	2.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
643	ALL	404962.9	3777786	2.95E-07	1.75YrCanc	2.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
644	ALL	404982.9	3777786	3.07E-07	1.75YrCanc	3.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
645	ALL	405002.9	3777786	3.19E-07	1.75YrCanc	3.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
646	ALL	405022.9	3777786	3.33E-07	1.75YrCanc	3.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
647	ALL	405042.9	3777786	3.47E-07	1.75YrCanc	3.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
648	ALL	405062.9	3777786	3.61E-07	1.75YrCanc	3.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
649	ALL	405082.9	3777786	3.77E-07	1.75YrCanc	3.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
650	ALL	405102.9	3777786	3.94E-07	1.75YrCanc	3.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
651	ALL	405122.9	3777786	4.11E-07	1.75YrCanc	4.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
652	ALL	405142.9	3777786	4.29E-07	1.75YrCanc	4.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
653	ALL	405162.9	3777786	4.49E-07	1.75YrCanc	4.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
654	ALL	405182.9	3777786	4.69E-07	1.75YrCanc	4.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
655	ALL	405202.9	3777786	4.91E-07	1.75YrCanc	4.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
656	ALL	405222.9	3777786	5.14E-07	1.75YrCanc	5.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
657	ALL	405242.9	3777786	5.37E-07	1.75YrCanc	5.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
658	ALL	405262.9	3777786	5.62E-07	1.75YrCanc	5.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
659	ALL	405282.9	3777786	5.87E-07	1.75YrCanc	5.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
660	ALL	405302.9	3777786	6.14E-07	1.75YrCanc	6.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
661	ALL	405322.9	3777786	6.41E-07	1.75YrCanc	6.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
662	ALL	405342.9	3777786	6.68E-07	1.75YrCanc	6.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
663	ALL	405362.9	3777786	6.96E-07	1.75YrCanc	6.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
664	ALL	405382.9	3777786	7.24E-07	1.75YrCanc	7.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
665	ALL	405402.9	3777786	7.51E-07	1.75YrCanc	7.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
666	ALL	405422.9	3777786	7.78E-07	1.75YrCanc	7.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
667	ALL	405442.9	3777786	8.04E-07	1.75YrCanc	8.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
668	ALL	405462.9	3777786	8.28E-07	1.75YrCanc	8.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
669	ALL	405482.9	3777786	8.50E-07	1.75YrCanc	8.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
670	ALL	405502.9	3777786	8.69E-07	1.75YrCanc	8.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
671	ALL	405522.9	3777786	8.86E-07	1.75YrCanc	8.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
672	ALL	405542.9	3777786	9.01E-07	1.75YrCanc	9.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
673	ALL	405562.9	3777786	9.13E-07	1.75YrCanc	9.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
674	ALL	405582.9	3777786	9.20E-07	1.75YrCanc	9.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
675	ALL	405602.9	3777786	9.24E-07	1.75YrCanc	9.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
676	ALL	405622.9	3777786	9.24E-07	1.75YrCanc	9.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
677	ALL	405642.9	3777786	9.20E-07	1.75YrCanc	9.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
678	ALL	405662.9	3777786	9.13E-07	1.75YrCanc	9.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
679	ALL	405682.9	3777786	9.03E-07	1.75YrCanc	9.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
680	ALL	405702.9	3777786	8.89E-07	1.75YrCanc	8.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
681	ALL	405722.9	3777786	8.72E-07	1.75YrCanc	8.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
682	ALL	405742.9	3777786	8.54E-07	1.75YrCanc	8.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
683	ALL	405762.9	3777786	8.34E-07	1.75YrCanc	8.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
684	ALL	405782.9	3777786	8.11E-07	1.75YrCanc	8.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
685	ALL	405802.9	3777786	7.88E-07	1.75YrCanc	7.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

686	ALL	405822.9	3777786	7.64E-07	1.75YrCanc	7.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
687	ALL	405842.9	3777786	7.39E-07	1.75YrCanc	7.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
688	ALL	405862.9	3777786	7.13E-07	1.75YrCanc	7.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
689	ALL	405882.9	3777786	6.88E-07	1.75YrCanc	6.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
690	ALL	405902.9	3777786	6.63E-07	1.75YrCanc	6.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
691	ALL	405922.9	3777786	6.38E-07	1.75YrCanc	6.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
692	ALL	405942.9	3777786	6.14E-07	1.75YrCanc	6.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
693	ALL	405962.9	3777786	5.90E-07	1.75YrCanc	5.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
694	ALL	405982.9	3777786	5.67E-07	1.75YrCanc	5.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
695	ALL	406002.9	3777786	5.44E-07	1.75YrCanc	5.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
696	ALL	406022.9	3777786	5.23E-07	1.75YrCanc	5.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
697	ALL	406042.9	3777786	5.02E-07	1.75YrCanc	5.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
698	ALL	406062.9	3777786	4.83E-07	1.75YrCanc	4.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
699	ALL	406082.9	3777786	4.64E-07	1.75YrCanc	4.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
700	ALL	406102.9	3777786	4.46E-07	1.75YrCanc	4.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
701	ALL	406122.9	3777786	4.29E-07	1.75YrCanc	4.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
702	ALL	406142.9	3777786	4.13E-07	1.75YrCanc	4.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
703	ALL	406162.9	3777786	3.97E-07	1.75YrCanc	3.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
704	ALL	406182.9	3777786	3.83E-07	1.75YrCanc	3.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
705	ALL	404922.9	3777806	2.79E-07	1.75YrCanc	2.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
706	ALL	404942.9	3777806	2.90E-07	1.75YrCanc	2.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
707	ALL	404962.9	3777806	3.02E-07	1.75YrCanc	3.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
708	ALL	404982.9	3777806	3.15E-07	1.75YrCanc	3.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
709	ALL	405002.9	3777806	3.28E-07	1.75YrCanc	3.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
710	ALL	405022.9	3777806	3.42E-07	1.75YrCanc	3.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
711	ALL	405042.9	3777806	3.56E-07	1.75YrCanc	3.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
712	ALL	405062.9	3777806	3.72E-07	1.75YrCanc	3.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
713	ALL	405082.9	3777806	3.89E-07	1.75YrCanc	3.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
714	ALL	405102.9	3777806	4.07E-07	1.75YrCanc	4.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
715	ALL	405122.9	3777806	4.25E-07	1.75YrCanc	4.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
716	ALL	405142.9	3777806	4.45E-07	1.75YrCanc	4.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
717	ALL	405162.9	3777806	4.66E-07	1.75YrCanc	4.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
718	ALL	405182.9	3777806	4.89E-07	1.75YrCanc	4.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
719	ALL	405202.9	3777806	5.12E-07	1.75YrCanc	5.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
720	ALL	405222.9	3777806	5.37E-07	1.75YrCanc	5.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
721	ALL	405242.9	3777806	5.63E-07	1.75YrCanc	5.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
722	ALL	405262.9	3777806	5.91E-07	1.75YrCanc	5.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
723	ALL	405282.9	3777806	6.19E-07	1.75YrCanc	6.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
724	ALL	405302.9	3777806	6.49E-07	1.75YrCanc	6.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
725	ALL	405322.9	3777806	6.79E-07	1.75YrCanc	6.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
726	ALL	405342.9	3777806	7.11E-07	1.75YrCanc	7.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
727	ALL	405362.9	3777806	7.42E-07	1.75YrCanc	7.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
728	ALL	405382.9	3777806	7.74E-07	1.75YrCanc	7.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
729	ALL	405402.9	3777806	8.06E-07	1.75YrCanc	8.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
730	ALL	405422.9	3777806	8.38E-07	1.75YrCanc	8.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
731	ALL	405442.9	3777806	8.68E-07	1.75YrCanc	8.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
732	ALL	405462.9	3777806	8.97E-07	1.75YrCanc	8.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
733	ALL	405482.9	3777806	9.23E-07	1.75YrCanc	9.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
734	ALL	405502.9	3777806	9.48E-07	1.75YrCanc	9.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

735	ALL	405522.9	3777806	9.69E-07	1.75YrCanc	9.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
736	ALL	405542.9	3777806	9.86E-07	1.75YrCanc	9.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
737	ALL	405562.9	3777806	9.99E-07	1.75YrCanc	9.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
738	ALL	405582.9	3777806	1.01E-06	1.75YrCanc	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
739	ALL	405602.9	3777806	1.01E-06	1.75YrCanc	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
740	ALL	405622.9	3777806	1.01E-06	1.75YrCanc	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
741	ALL	405642.9	3777806	1.01E-06	1.75YrCanc	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
742	ALL	405662.9	3777806	1.00E-06	1.75YrCanc	1.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
743	ALL	405682.9	3777806	9.89E-07	1.75YrCanc	9.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
744	ALL	405702.9	3777806	9.74E-07	1.75YrCanc	9.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
745	ALL	405722.9	3777806	9.55E-07	1.75YrCanc	9.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
746	ALL	405742.9	3777806	9.33E-07	1.75YrCanc	9.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
747	ALL	405762.9	3777806	9.08E-07	1.75YrCanc	9.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
748	ALL	405782.9	3777806	8.82E-07	1.75YrCanc	8.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
749	ALL	405802.9	3777806	8.55E-07	1.75YrCanc	8.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
750	ALL	405822.9	3777806	8.26E-07	1.75YrCanc	8.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
751	ALL	405842.9	3777806	7.97E-07	1.75YrCanc	7.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
752	ALL	405862.9	3777806	7.68E-07	1.75YrCanc	7.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
753	ALL	405882.9	3777806	7.38E-07	1.75YrCanc	7.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
754	ALL	405902.9	3777806	7.09E-07	1.75YrCanc	7.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
755	ALL	405922.9	3777806	6.81E-07	1.75YrCanc	6.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
756	ALL	405942.9	3777806	6.53E-07	1.75YrCanc	6.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
757	ALL	405962.9	3777806	6.26E-07	1.75YrCanc	6.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
758	ALL	405982.9	3777806	6.00E-07	1.75YrCanc	6.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
759	ALL	406002.9	3777806	5.75E-07	1.75YrCanc	5.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
760	ALL	406022.9	3777806	5.51E-07	1.75YrCanc	5.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
761	ALL	406042.9	3777806	5.29E-07	1.75YrCanc	5.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
762	ALL	406062.9	3777806	5.07E-07	1.75YrCanc	5.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
763	ALL	406082.9	3777806	4.87E-07	1.75YrCanc	4.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
764	ALL	406102.9	3777806	4.67E-07	1.75YrCanc	4.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
765	ALL	406122.9	3777806	4.49E-07	1.75YrCanc	4.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
766	ALL	406142.9	3777806	4.32E-07	1.75YrCanc	4.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
767	ALL	404922.9	3777826	2.85E-07	1.75YrCanc	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
768	ALL	404942.9	3777826	2.97E-07	1.75YrCanc	2.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
769	ALL	404962.9	3777826	3.09E-07	1.75YrCanc	3.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
770	ALL	404982.9	3777826	3.22E-07	1.75YrCanc	3.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
771	ALL	405002.9	3777826	3.36E-07	1.75YrCanc	3.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
772	ALL	405022.9	3777826	3.51E-07	1.75YrCanc	3.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
773	ALL	405042.9	3777826	3.66E-07	1.75YrCanc	3.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
774	ALL	405062.9	3777826	3.83E-07	1.75YrCanc	3.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
775	ALL	405082.9	3777826	4.01E-07	1.75YrCanc	4.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
776	ALL	405102.9	3777826	4.20E-07	1.75YrCanc	4.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
777	ALL	405122.9	3777826	4.40E-07	1.75YrCanc	4.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
778	ALL	405142.9	3777826	4.62E-07	1.75YrCanc	4.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
779	ALL	405162.9	3777826	4.85E-07	1.75YrCanc	4.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
780	ALL	405182.9	3777826	5.09E-07	1.75YrCanc	5.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
781	ALL	405202.9	3777826	5.34E-07	1.75YrCanc	5.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
782	ALL	405222.9	3777826	5.62E-07	1.75YrCanc	5.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
783	ALL	405242.9	3777826	5.91E-07	1.75YrCanc	5.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

784	ALL	405262.9	3777826	6.21E-07	1.75YrCanc	6.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
785	ALL	405282.9	3777826	6.53E-07	1.75YrCanc	6.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
786	ALL	405302.9	3777826	6.86E-07	1.75YrCanc	6.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
787	ALL	405322.9	3777826	7.21E-07	1.75YrCanc	7.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
788	ALL	405342.9	3777826	7.56E-07	1.75YrCanc	7.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
789	ALL	405362.9	3777826	7.93E-07	1.75YrCanc	7.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
790	ALL	405382.9	3777826	8.30E-07	1.75YrCanc	8.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
791	ALL	405402.9	3777826	8.67E-07	1.75YrCanc	8.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
792	ALL	405422.9	3777826	9.04E-07	1.75YrCanc	9.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
793	ALL	405442.9	3777826	9.40E-07	1.75YrCanc	9.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
794	ALL	405462.9	3777826	9.75E-07	1.75YrCanc	9.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
795	ALL	405482.9	3777826	1.01E-06	1.75YrCanc	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
796	ALL	405502.9	3777826	1.04E-06	1.75YrCanc	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
797	ALL	405522.9	3777826	1.06E-06	1.75YrCanc	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
798	ALL	405542.9	3777826	1.08E-06	1.75YrCanc	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
799	ALL	405562.9	3777826	1.10E-06	1.75YrCanc	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
800	ALL	405582.9	3777826	1.11E-06	1.75YrCanc	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
801	ALL	405602.9	3777826	1.12E-06	1.75YrCanc	1.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
802	ALL	405622.9	3777826	1.12E-06	1.75YrCanc	1.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
803	ALL	405642.9	3777826	1.12E-06	1.75YrCanc	1.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
804	ALL	405662.9	3777826	1.11E-06	1.75YrCanc	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
805	ALL	405682.9	3777826	1.09E-06	1.75YrCanc	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
806	ALL	405702.9	3777826	1.07E-06	1.75YrCanc	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
807	ALL	405722.9	3777826	1.05E-06	1.75YrCanc	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
808	ALL	405742.9	3777826	1.02E-06	1.75YrCanc	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
809	ALL	405762.9	3777826	9.94E-07	1.75YrCanc	9.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
810	ALL	405782.9	3777826	9.63E-07	1.75YrCanc	9.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
811	ALL	405802.9	3777826	9.30E-07	1.75YrCanc	9.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
812	ALL	405822.9	3777826	8.96E-07	1.75YrCanc	8.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
813	ALL	405842.9	3777826	8.62E-07	1.75YrCanc	8.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
814	ALL	405862.9	3777826	8.28E-07	1.75YrCanc	8.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
815	ALL	405882.9	3777826	7.94E-07	1.75YrCanc	7.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
816	ALL	405902.9	3777826	7.60E-07	1.75YrCanc	7.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
817	ALL	405922.9	3777826	7.28E-07	1.75YrCanc	7.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
818	ALL	405942.9	3777826	6.97E-07	1.75YrCanc	6.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
819	ALL	405962.9	3777826	6.66E-07	1.75YrCanc	6.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
820	ALL	405982.9	3777826	6.37E-07	1.75YrCanc	6.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
821	ALL	406002.9	3777826	6.09E-07	1.75YrCanc	6.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
822	ALL	406022.9	3777826	5.82E-07	1.75YrCanc	5.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
823	ALL	406042.9	3777826	5.58E-07	1.75YrCanc	5.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
824	ALL	406062.9	3777826	5.34E-07	1.75YrCanc	5.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
825	ALL	406082.9	3777826	5.11E-07	1.75YrCanc	5.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
826	ALL	404922.9	3777846	2.91E-07	1.75YrCanc	2.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
827	ALL	404942.9	3777846	3.04E-07	1.75YrCanc	3.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
828	ALL	404962.9	3777846	3.16E-07	1.75YrCanc	3.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
829	ALL	404982.9	3777846	3.30E-07	1.75YrCanc	3.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
830	ALL	405002.9	3777846	3.45E-07	1.75YrCanc	3.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
831	ALL	405022.9	3777846	3.60E-07	1.75YrCanc	3.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
832	ALL	405042.9	3777846	3.77E-07	1.75YrCanc	3.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

833	ALL	405062.9	3777846	3.95E-07	1.75YrCanc	3.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
834	ALL	405082.9	3777846	4.14E-07	1.75YrCanc	4.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
835	ALL	405102.9	3777846	4.34E-07	1.75YrCanc	4.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
836	ALL	405122.9	3777846	4.55E-07	1.75YrCanc	4.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
837	ALL	405142.9	3777846	4.78E-07	1.75YrCanc	4.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
838	ALL	405162.9	3777846	5.03E-07	1.75YrCanc	5.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
839	ALL	405182.9	3777846	5.29E-07	1.75YrCanc	5.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
840	ALL	405202.9	3777846	5.58E-07	1.75YrCanc	5.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
841	ALL	405222.9	3777846	5.87E-07	1.75YrCanc	5.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
842	ALL	405242.9	3777846	6.19E-07	1.75YrCanc	6.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
843	ALL	405262.9	3777846	6.53E-07	1.75YrCanc	6.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
844	ALL	405282.9	3777846	6.88E-07	1.75YrCanc	6.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
845	ALL	405302.9	3777846	7.26E-07	1.75YrCanc	7.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
846	ALL	405322.9	3777846	7.65E-07	1.75YrCanc	7.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
847	ALL	405342.9	3777846	8.06E-07	1.75YrCanc	8.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
848	ALL	405362.9	3777846	8.48E-07	1.75YrCanc	8.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
849	ALL	405382.9	3777846	8.91E-07	1.75YrCanc	8.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
850	ALL	405402.9	3777846	9.34E-07	1.75YrCanc	9.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
851	ALL	405422.9	3777846	9.78E-07	1.75YrCanc	9.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
852	ALL	405442.9	3777846	1.02E-06	1.75YrCanc	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
853	ALL	405462.9	3777846	1.06E-06	1.75YrCanc	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
854	ALL	405482.9	3777846	1.10E-06	1.75YrCanc	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
855	ALL	405502.9	3777846	1.14E-06	1.75YrCanc	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
856	ALL	405522.9	3777846	1.17E-06	1.75YrCanc	1.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
857	ALL	405542.9	3777846	1.20E-06	1.75YrCanc	1.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
858	ALL	405562.9	3777846	1.22E-06	1.75YrCanc	1.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
859	ALL	405582.9	3777846	1.23E-06	1.75YrCanc	1.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
860	ALL	405602.9	3777846	1.24E-06	1.75YrCanc	1.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
861	ALL	405622.9	3777846	1.24E-06	1.75YrCanc	1.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
862	ALL	405642.9	3777846	1.24E-06	1.75YrCanc	1.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
863	ALL	405662.9	3777846	1.23E-06	1.75YrCanc	1.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
864	ALL	405682.9	3777846	1.21E-06	1.75YrCanc	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
865	ALL	405702.9	3777846	1.19E-06	1.75YrCanc	1.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
866	ALL	405722.9	3777846	1.16E-06	1.75YrCanc	1.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
867	ALL	405742.9	3777846	1.13E-06	1.75YrCanc	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
868	ALL	405762.9	3777846	1.09E-06	1.75YrCanc	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
869	ALL	405782.9	3777846	1.05E-06	1.75YrCanc	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
870	ALL	405802.9	3777846	1.02E-06	1.75YrCanc	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
871	ALL	405822.9	3777846	9.75E-07	1.75YrCanc	9.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
872	ALL	405842.9	3777846	9.35E-07	1.75YrCanc	9.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
873	ALL	405862.9	3777846	8.95E-07	1.75YrCanc	8.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
874	ALL	405882.9	3777846	8.56E-07	1.75YrCanc	8.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
875	ALL	405902.9	3777846	8.17E-07	1.75YrCanc	8.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
876	ALL	405922.9	3777846	7.80E-07	1.75YrCanc	7.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
877	ALL	405942.9	3777846	7.44E-07	1.75YrCanc	7.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
878	ALL	405962.9	3777846	7.10E-07	1.75YrCanc	7.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
879	ALL	405982.9	3777846	6.77E-07	1.75YrCanc	6.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
880	ALL	406002.9	3777846	6.45E-07	1.75YrCanc	6.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
881	ALL	404922.9	3777866	2.97E-07	1.75YrCanc	2.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

882	ALL	404942.9	3777866	3.10E-07	1.75YrCanc	3.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
883	ALL	404962.9	3777866	3.23E-07	1.75YrCanc	3.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
884	ALL	404982.9	3777866	3.38E-07	1.75YrCanc	3.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
885	ALL	405002.9	3777866	3.53E-07	1.75YrCanc	3.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
886	ALL	405022.9	3777866	3.70E-07	1.75YrCanc	3.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
887	ALL	405042.9	3777866	3.87E-07	1.75YrCanc	3.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
888	ALL	405062.9	3777866	4.06E-07	1.75YrCanc	4.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
889	ALL	405082.9	3777866	4.26E-07	1.75YrCanc	4.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
890	ALL	405102.9	3777866	4.48E-07	1.75YrCanc	4.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
891	ALL	405122.9	3777866	4.71E-07	1.75YrCanc	4.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
892	ALL	405142.9	3777866	4.96E-07	1.75YrCanc	4.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
893	ALL	405162.9	3777866	5.22E-07	1.75YrCanc	5.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
894	ALL	405182.9	3777866	5.51E-07	1.75YrCanc	5.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
895	ALL	405202.9	3777866	5.81E-07	1.75YrCanc	5.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
896	ALL	405222.9	3777866	6.14E-07	1.75YrCanc	6.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
897	ALL	405242.9	3777866	6.49E-07	1.75YrCanc	6.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
898	ALL	405262.9	3777866	6.87E-07	1.75YrCanc	6.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
899	ALL	405282.9	3777866	7.26E-07	1.75YrCanc	7.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
900	ALL	405302.9	3777866	7.68E-07	1.75YrCanc	7.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
901	ALL	405322.9	3777866	8.13E-07	1.75YrCanc	8.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
902	ALL	405342.9	3777866	8.59E-07	1.75YrCanc	8.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
903	ALL	405362.9	3777866	9.08E-07	1.75YrCanc	9.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
904	ALL	405382.9	3777866	9.58E-07	1.75YrCanc	9.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
905	ALL	405402.9	3777866	1.01E-06	1.75YrCanc	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
906	ALL	405422.9	3777866	1.06E-06	1.75YrCanc	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
907	ALL	405442.9	3777866	1.11E-06	1.75YrCanc	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
908	ALL	405462.9	3777866	1.16E-06	1.75YrCanc	1.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
909	ALL	405482.9	3777866	1.21E-06	1.75YrCanc	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
910	ALL	405502.9	3777866	1.25E-06	1.75YrCanc	1.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
911	ALL	405522.9	3777866	1.29E-06	1.75YrCanc	1.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
912	ALL	405542.9	3777866	1.33E-06	1.75YrCanc	1.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
913	ALL	405562.9	3777866	1.36E-06	1.75YrCanc	1.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
914	ALL	405582.9	3777866	1.38E-06	1.75YrCanc	1.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
915	ALL	405602.9	3777866	1.39E-06	1.75YrCanc	1.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
916	ALL	405622.9	3777866	1.39E-06	1.75YrCanc	1.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
917	ALL	405642.9	3777866	1.38E-06	1.75YrCanc	1.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
918	ALL	405662.9	3777866	1.37E-06	1.75YrCanc	1.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
919	ALL	405682.9	3777866	1.35E-06	1.75YrCanc	1.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
920	ALL	405702.9	3777866	1.32E-06	1.75YrCanc	1.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
921	ALL	405722.9	3777866	1.29E-06	1.75YrCanc	1.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
922	ALL	405742.9	3777866	1.25E-06	1.75YrCanc	1.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
923	ALL	405762.9	3777866	1.20E-06	1.75YrCanc	1.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
924	ALL	405782.9	3777866	1.16E-06	1.75YrCanc	1.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
925	ALL	405802.9	3777866	1.11E-06	1.75YrCanc	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
926	ALL	405822.9	3777866	1.07E-06	1.75YrCanc	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
927	ALL	405842.9	3777866	1.02E-06	1.75YrCanc	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
928	ALL	405862.9	3777866	9.71E-07	1.75YrCanc	9.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
929	ALL	405882.9	3777866	9.25E-07	1.75YrCanc	9.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
930	ALL	405902.9	3777866	8.80E-07	1.75YrCanc	8.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

931	ALL	405922.9	3777866	8.38E-07	1.75YrCanc	8.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
932	ALL	405942.9	3777866	7.98E-07	1.75YrCanc	7.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
933	ALL	404922.9	3777886	3.03E-07	1.75YrCanc	3.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
934	ALL	404942.9	3777886	3.16E-07	1.75YrCanc	3.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
935	ALL	404962.9	3777886	3.30E-07	1.75YrCanc	3.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
936	ALL	404982.9	3777886	3.46E-07	1.75YrCanc	3.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
937	ALL	405002.9	3777886	3.62E-07	1.75YrCanc	3.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
938	ALL	405022.9	3777886	3.79E-07	1.75YrCanc	3.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
939	ALL	405042.9	3777886	3.98E-07	1.75YrCanc	3.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
940	ALL	405062.9	3777886	4.18E-07	1.75YrCanc	4.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
941	ALL	405082.9	3777886	4.39E-07	1.75YrCanc	4.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
942	ALL	405102.9	3777886	4.62E-07	1.75YrCanc	4.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
943	ALL	405122.9	3777886	4.86E-07	1.75YrCanc	4.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
944	ALL	405142.9	3777886	5.13E-07	1.75YrCanc	5.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
945	ALL	405162.9	3777886	5.42E-07	1.75YrCanc	5.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
946	ALL	405182.9	3777886	5.73E-07	1.75YrCanc	5.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
947	ALL	405202.9	3777886	6.06E-07	1.75YrCanc	6.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
948	ALL	405222.9	3777886	6.42E-07	1.75YrCanc	6.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
949	ALL	405242.9	3777886	6.81E-07	1.75YrCanc	6.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
950	ALL	405262.9	3777886	7.22E-07	1.75YrCanc	7.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
951	ALL	405282.9	3777886	7.67E-07	1.75YrCanc	7.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
952	ALL	405302.9	3777886	8.14E-07	1.75YrCanc	8.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
953	ALL	405322.9	3777886	8.64E-07	1.75YrCanc	8.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
954	ALL	405342.9	3777886	9.17E-07	1.75YrCanc	9.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
955	ALL	405362.9	3777886	9.73E-07	1.75YrCanc	9.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
956	ALL	405382.9	3777886	1.03E-06	1.75YrCanc	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
957	ALL	405402.9	3777886	1.09E-06	1.75YrCanc	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
958	ALL	405422.9	3777886	1.15E-06	1.75YrCanc	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
959	ALL	405442.9	3777886	1.21E-06	1.75YrCanc	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
960	ALL	405462.9	3777886	1.28E-06	1.75YrCanc	1.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
961	ALL	405482.9	3777886	1.33E-06	1.75YrCanc	1.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
962	ALL	405502.9	3777886	1.39E-06	1.75YrCanc	1.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
963	ALL	405522.9	3777886	1.44E-06	1.75YrCanc	1.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
964	ALL	405542.9	3777886	1.48E-06	1.75YrCanc	1.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
965	ALL	405562.9	3777886	1.52E-06	1.75YrCanc	1.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
966	ALL	405582.9	3777886	1.54E-06	1.75YrCanc	1.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
967	ALL	405602.9	3777886	1.56E-06	1.75YrCanc	1.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
968	ALL	405622.9	3777886	1.56E-06	1.75YrCanc	1.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
969	ALL	405642.9	3777886	1.56E-06	1.75YrCanc	1.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
970	ALL	405662.9	3777886	1.54E-06	1.75YrCanc	1.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
971	ALL	405682.9	3777886	1.51E-06	1.75YrCanc	1.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
972	ALL	405702.9	3777886	1.48E-06	1.75YrCanc	1.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
973	ALL	405722.9	3777886	1.44E-06	1.75YrCanc	1.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
974	ALL	405742.9	3777886	1.39E-06	1.75YrCanc	1.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
975	ALL	405762.9	3777886	1.34E-06	1.75YrCanc	1.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
976	ALL	405782.9	3777886	1.28E-06	1.75YrCanc	1.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
977	ALL	405802.9	3777886	1.23E-06	1.75YrCanc	1.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
978	ALL	405822.9	3777886	1.17E-06	1.75YrCanc	1.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
979	ALL	405842.9	3777886	1.11E-06	1.75YrCanc	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

980	ALL	405862.9	3777886	1.06E-06	1.75YrCanc	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
981	ALL	405882.9	3777886	1.00E-06	1.75YrCanc	1.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
982	ALL	404922.9	3777906	3.09E-07	1.75YrCanc	3.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
983	ALL	404942.9	3777906	3.23E-07	1.75YrCanc	3.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
984	ALL	404962.9	3777906	3.37E-07	1.75YrCanc	3.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
985	ALL	404982.9	3777906	3.53E-07	1.75YrCanc	3.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
986	ALL	405002.9	3777906	3.70E-07	1.75YrCanc	3.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
987	ALL	405022.9	3777906	3.88E-07	1.75YrCanc	3.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
988	ALL	405042.9	3777906	4.08E-07	1.75YrCanc	4.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
989	ALL	405062.9	3777906	4.29E-07	1.75YrCanc	4.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
990	ALL	405082.9	3777906	4.52E-07	1.75YrCanc	4.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
991	ALL	405102.9	3777906	4.76E-07	1.75YrCanc	4.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
992	ALL	405122.9	3777906	5.02E-07	1.75YrCanc	5.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
993	ALL	405142.9	3777906	5.31E-07	1.75YrCanc	5.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
994	ALL	405162.9	3777906	5.62E-07	1.75YrCanc	5.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
995	ALL	405182.9	3777906	5.96E-07	1.75YrCanc	5.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
996	ALL	405202.9	3777906	6.32E-07	1.75YrCanc	6.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
997	ALL	405222.9	3777906	6.71E-07	1.75YrCanc	6.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
998	ALL	405242.9	3777906	7.14E-07	1.75YrCanc	7.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
999	ALL	405262.9	3777906	7.60E-07	1.75YrCanc	7.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1000	ALL	405282.9	3777906	8.09E-07	1.75YrCanc	8.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1001	ALL	405302.9	3777906	8.62E-07	1.75YrCanc	8.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1002	ALL	405322.9	3777906	9.19E-07	1.75YrCanc	9.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1003	ALL	405342.9	3777906	9.80E-07	1.75YrCanc	9.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1004	ALL	405362.9	3777906	1.04E-06	1.75YrCanc	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1005	ALL	405382.9	3777906	1.11E-06	1.75YrCanc	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1006	ALL	405402.9	3777906	1.18E-06	1.75YrCanc	1.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1007	ALL	405422.9	3777906	1.26E-06	1.75YrCanc	1.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1008	ALL	405442.9	3777906	1.33E-06	1.75YrCanc	1.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1009	ALL	405462.9	3777906	1.40E-06	1.75YrCanc	1.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1010	ALL	405482.9	3777906	1.48E-06	1.75YrCanc	1.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1011	ALL	405502.9	3777906	1.55E-06	1.75YrCanc	1.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1012	ALL	405522.9	3777906	1.61E-06	1.75YrCanc	1.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1013	ALL	405542.9	3777906	1.66E-06	1.75YrCanc	1.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1014	ALL	405562.9	3777906	1.71E-06	1.75YrCanc	1.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1015	ALL	405582.9	3777906	1.74E-06	1.75YrCanc	1.74E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1016	ALL	405602.9	3777906	1.76E-06	1.75YrCanc	1.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1017	ALL	405622.9	3777906	1.77E-06	1.75YrCanc	1.77E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1018	ALL	405642.9	3777906	1.76E-06	1.75YrCanc	1.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1019	ALL	405662.9	3777906	1.74E-06	1.75YrCanc	1.74E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1020	ALL	405682.9	3777906	1.71E-06	1.75YrCanc	1.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1021	ALL	405702.9	3777906	1.67E-06	1.75YrCanc	1.67E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1022	ALL	405722.9	3777906	1.62E-06	1.75YrCanc	1.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1023	ALL	405742.9	3777906	1.56E-06	1.75YrCanc	1.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1024	ALL	405762.9	3777906	1.49E-06	1.75YrCanc	1.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1025	ALL	405782.9	3777906	1.42E-06	1.75YrCanc	1.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1026	ALL	405802.9	3777906	1.35E-06	1.75YrCanc	1.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1027	ALL	405822.9	3777906	1.29E-06	1.75YrCanc	1.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1028	ALL	405842.9	3777906	1.22E-06	1.75YrCanc	1.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1029	ALL	404922.9	3777926	3.15E-07	1.75YrCanc	3.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1030	ALL	404942.9	3777926	3.29E-07	1.75YrCanc	3.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1031	ALL	404962.9	3777926	3.44E-07	1.75YrCanc	3.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1032	ALL	404982.9	3777926	3.61E-07	1.75YrCanc	3.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1033	ALL	405002.9	3777926	3.78E-07	1.75YrCanc	3.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1034	ALL	405022.9	3777926	3.98E-07	1.75YrCanc	3.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1035	ALL	405042.9	3777926	4.18E-07	1.75YrCanc	4.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1036	ALL	405062.9	3777926	4.40E-07	1.75YrCanc	4.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1037	ALL	405082.9	3777926	4.64E-07	1.75YrCanc	4.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1038	ALL	405102.9	3777926	4.90E-07	1.75YrCanc	4.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1039	ALL	405122.9	3777926	5.19E-07	1.75YrCanc	5.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1040	ALL	405142.9	3777926	5.49E-07	1.75YrCanc	5.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1041	ALL	405162.9	3777926	5.83E-07	1.75YrCanc	5.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1042	ALL	405182.9	3777926	6.19E-07	1.75YrCanc	6.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1043	ALL	405202.9	3777926	6.58E-07	1.75YrCanc	6.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1044	ALL	405222.9	3777926	7.01E-07	1.75YrCanc	7.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1045	ALL	405242.9	3777926	7.48E-07	1.75YrCanc	7.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1046	ALL	405262.9	3777926	7.98E-07	1.75YrCanc	7.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1047	ALL	405282.9	3777926	8.54E-07	1.75YrCanc	8.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1048	ALL	405302.9	3777926	9.13E-07	1.75YrCanc	9.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1049	ALL	405322.9	3777926	9.78E-07	1.75YrCanc	9.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1050	ALL	405342.9	3777926	1.05E-06	1.75YrCanc	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1051	ALL	405362.9	3777926	1.12E-06	1.75YrCanc	1.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1052	ALL	405382.9	3777926	1.20E-06	1.75YrCanc	1.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1053	ALL	405402.9	3777926	1.28E-06	1.75YrCanc	1.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1054	ALL	405422.9	3777926	1.37E-06	1.75YrCanc	1.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1055	ALL	405442.9	3777926	1.46E-06	1.75YrCanc	1.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1056	ALL	405462.9	3777926	1.55E-06	1.75YrCanc	1.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1057	ALL	405482.9	3777926	1.64E-06	1.75YrCanc	1.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1058	ALL	405502.9	3777926	1.73E-06	1.75YrCanc	1.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1059	ALL	405522.9	3777926	1.81E-06	1.75YrCanc	1.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1060	ALL	405542.9	3777926	1.88E-06	1.75YrCanc	1.88E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1061	ALL	405562.9	3777926	1.94E-06	1.75YrCanc	1.94E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1062	ALL	405582.9	3777926	1.99E-06	1.75YrCanc	1.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1063	ALL	405602.9	3777926	2.01E-06	1.75YrCanc	2.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1064	ALL	405782.9	3777926	1.59E-06	1.75YrCanc	1.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1065	ALL	405802.9	3777926	1.51E-06	1.75YrCanc	1.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1066	ALL	404922.9	3777946	3.20E-07	1.75YrCanc	3.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1067	ALL	404942.9	3777946	3.35E-07	1.75YrCanc	3.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1068	ALL	404962.9	3777946	3.51E-07	1.75YrCanc	3.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1069	ALL	404982.9	3777946	3.68E-07	1.75YrCanc	3.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1070	ALL	405002.9	3777946	3.87E-07	1.75YrCanc	3.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1071	ALL	405022.9	3777946	4.07E-07	1.75YrCanc	4.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1072	ALL	405042.9	3777946	4.28E-07	1.75YrCanc	4.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1073	ALL	405062.9	3777946	4.52E-07	1.75YrCanc	4.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1074	ALL	405082.9	3777946	4.77E-07	1.75YrCanc	4.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1075	ALL	405102.9	3777946	5.05E-07	1.75YrCanc	5.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1076	ALL	405122.9	3777946	5.35E-07	1.75YrCanc	5.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1077	ALL	405142.9	3777946	5.68E-07	1.75YrCanc	5.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1078	ALL	405162.9	3777946	6.03E-07	1.75YrCanc	6.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1079	ALL	405182.9	3777946	6.42E-07	1.75YrCanc	6.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1080	ALL	405202.9	3777946	6.85E-07	1.75YrCanc	6.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1081	ALL	405222.9	3777946	7.32E-07	1.75YrCanc	7.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1082	ALL	405242.9	3777946	7.83E-07	1.75YrCanc	7.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1083	ALL	405262.9	3777946	8.39E-07	1.75YrCanc	8.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1084	ALL	405282.9	3777946	9.00E-07	1.75YrCanc	9.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1085	ALL	405302.9	3777946	9.67E-07	1.75YrCanc	9.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1086	ALL	405322.9	3777946	1.04E-06	1.75YrCanc	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1087	ALL	405342.9	3777946	1.12E-06	1.75YrCanc	1.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1088	ALL	405362.9	3777946	1.21E-06	1.75YrCanc	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1089	ALL	405382.9	3777946	1.30E-06	1.75YrCanc	1.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1090	ALL	405402.9	3777946	1.40E-06	1.75YrCanc	1.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1091	ALL	405422.9	3777946	1.50E-06	1.75YrCanc	1.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1092	ALL	405442.9	3777946	1.61E-06	1.75YrCanc	1.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1093	ALL	405462.9	3777946	1.72E-06	1.75YrCanc	1.72E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1094	ALL	405482.9	3777946	1.83E-06	1.75YrCanc	1.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1095	ALL	405502.9	3777946	1.95E-06	1.75YrCanc	1.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1096	ALL	405522.9	3777946	2.05E-06	1.75YrCanc	2.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1097	ALL	405542.9	3777946	2.14E-06	1.75YrCanc	2.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1098	ALL	405562.9	3777946	2.22E-06	1.75YrCanc	2.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1099	ALL	405582.9	3777946	2.28E-06	1.75YrCanc	2.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1100	ALL	405602.9	3777946	2.32E-06	1.75YrCanc	2.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1101	ALL	404922.9	3777966	3.26E-07	1.75YrCanc	3.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1102	ALL	404942.9	3777966	3.41E-07	1.75YrCanc	3.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1103	ALL	404962.9	3777966	3.58E-07	1.75YrCanc	3.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1104	ALL	404982.9	3777966	3.76E-07	1.75YrCanc	3.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1105	ALL	405002.9	3777966	3.95E-07	1.75YrCanc	3.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1106	ALL	405022.9	3777966	4.16E-07	1.75YrCanc	4.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1107	ALL	405042.9	3777966	4.38E-07	1.75YrCanc	4.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1108	ALL	405062.9	3777966	4.63E-07	1.75YrCanc	4.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1109	ALL	405082.9	3777966	4.90E-07	1.75YrCanc	4.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1110	ALL	405102.9	3777966	5.19E-07	1.75YrCanc	5.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1111	ALL	405122.9	3777966	5.51E-07	1.75YrCanc	5.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1112	ALL	405142.9	3777966	5.86E-07	1.75YrCanc	5.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1113	ALL	405162.9	3777966	6.24E-07	1.75YrCanc	6.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1114	ALL	405182.9	3777966	6.66E-07	1.75YrCanc	6.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1115	ALL	405202.9	3777966	7.12E-07	1.75YrCanc	7.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1116	ALL	405222.9	3777966	7.63E-07	1.75YrCanc	7.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1117	ALL	405242.9	3777966	8.19E-07	1.75YrCanc	8.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1118	ALL	405262.9	3777966	8.80E-07	1.75YrCanc	8.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1119	ALL	405282.9	3777966	9.49E-07	1.75YrCanc	9.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1120	ALL	405302.9	3777966	1.02E-06	1.75YrCanc	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1121	ALL	405322.9	3777966	1.11E-06	1.75YrCanc	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1122	ALL	405342.9	3777966	1.20E-06	1.75YrCanc	1.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1123	ALL	405362.9	3777966	1.30E-06	1.75YrCanc	1.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1124	ALL	405382.9	3777966	1.40E-06	1.75YrCanc	1.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1125	ALL	405402.9	3777966	1.52E-06	1.75YrCanc	1.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1126	ALL	405422.9	3777966	1.65E-06	1.75YrCanc	1.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1127	ALL	405442.9	3777966	1.78E-06	1.75YrCanc	1.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1128	ALL	405462.9	3777966	1.92E-06	1.75YrCanc	1.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1129	ALL	405482.9	3777966	2.06E-06	1.75YrCanc	2.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1130	ALL	405502.9	3777966	2.20E-06	1.75YrCanc	2.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1131	ALL	405522.9	3777966	2.34E-06	1.75YrCanc	2.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1132	ALL	405542.9	3777966	2.46E-06	1.75YrCanc	2.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1133	ALL	405562.9	3777966	2.57E-06	1.75YrCanc	2.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1134	ALL	405582.9	3777966	2.65E-06	1.75YrCanc	2.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1135	ALL	405602.9	3777966	2.71E-06	1.75YrCanc	2.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1136	ALL	404922.9	3777986	3.31E-07	1.75YrCanc	3.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1137	ALL	404942.9	3777986	3.47E-07	1.75YrCanc	3.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1138	ALL	404962.9	3777986	3.64E-07	1.75YrCanc	3.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1139	ALL	404982.9	3777986	3.83E-07	1.75YrCanc	3.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1140	ALL	405002.9	3777986	4.03E-07	1.75YrCanc	4.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1141	ALL	405022.9	3777986	4.25E-07	1.75YrCanc	4.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1142	ALL	405042.9	3777986	4.48E-07	1.75YrCanc	4.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1143	ALL	405062.9	3777986	4.74E-07	1.75YrCanc	4.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1144	ALL	405082.9	3777986	5.02E-07	1.75YrCanc	5.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1145	ALL	405102.9	3777986	5.33E-07	1.75YrCanc	5.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1146	ALL	405122.9	3777986	5.67E-07	1.75YrCanc	5.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1147	ALL	405142.9	3777986	6.04E-07	1.75YrCanc	6.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1148	ALL	405162.9	3777986	6.45E-07	1.75YrCanc	6.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1149	ALL	405182.9	3777986	6.90E-07	1.75YrCanc	6.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1150	ALL	405202.9	3777986	7.39E-07	1.75YrCanc	7.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1151	ALL	405222.9	3777986	7.94E-07	1.75YrCanc	7.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1152	ALL	405242.9	3777986	8.55E-07	1.75YrCanc	8.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1153	ALL	405262.9	3777986	9.23E-07	1.75YrCanc	9.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1154	ALL	405282.9	3777986	9.98E-07	1.75YrCanc	9.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1155	ALL	405302.9	3777986	1.08E-06	1.75YrCanc	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1156	ALL	405322.9	3777986	1.18E-06	1.75YrCanc	1.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1157	ALL	405342.9	3777986	1.28E-06	1.75YrCanc	1.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1158	ALL	405362.9	3777986	1.39E-06	1.75YrCanc	1.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1159	ALL	405382.9	3777986	1.52E-06	1.75YrCanc	1.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1160	ALL	405402.9	3777986	1.66E-06	1.75YrCanc	1.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1161	ALL	405422.9	3777986	1.81E-06	1.75YrCanc	1.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1162	ALL	405442.9	3777986	1.97E-06	1.75YrCanc	1.97E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1163	ALL	405462.9	3777986	2.14E-06	1.75YrCanc	2.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1164	ALL	404922.9	3778006	3.36E-07	1.75YrCanc	3.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1165	ALL	404942.9	3778006	3.52E-07	1.75YrCanc	3.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1166	ALL	404962.9	3778006	3.70E-07	1.75YrCanc	3.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1167	ALL	404982.9	3778006	3.89E-07	1.75YrCanc	3.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1168	ALL	405002.9	3778006	4.10E-07	1.75YrCanc	4.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1169	ALL	405022.9	3778006	4.33E-07	1.75YrCanc	4.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1170	ALL	405042.9	3778006	4.58E-07	1.75YrCanc	4.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1171	ALL	405062.9	3778006	4.85E-07	1.75YrCanc	4.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1172	ALL	405082.9	3778006	5.14E-07	1.75YrCanc	5.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1173	ALL	405102.9	3778006	5.47E-07	1.75YrCanc	5.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1174	ALL	405122.9	3778006	5.82E-07	1.75YrCanc	5.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1175	ALL	405142.9	3778006	6.22E-07	1.75YrCanc	6.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1176	ALL	405162.9	3778006	6.65E-07	1.75YrCanc	6.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1177	ALL	405182.9	3778006	7.13E-07	1.75YrCanc	7.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1178	ALL	405202.9	3778006	7.67E-07	1.75YrCanc	7.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1179	ALL	405222.9	3778006	8.26E-07	1.75YrCanc	8.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1180	ALL	405242.9	3778006	8.92E-07	1.75YrCanc	8.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1181	ALL	405262.9	3778006	9.67E-07	1.75YrCanc	9.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1182	ALL	405282.9	3778006	1.05E-06	1.75YrCanc	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1183	ALL	405302.9	3778006	1.14E-06	1.75YrCanc	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1184	ALL	405322.9	3778006	1.25E-06	1.75YrCanc	1.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1185	ALL	405342.9	3778006	1.36E-06	1.75YrCanc	1.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1186	ALL	405362.9	3778006	1.50E-06	1.75YrCanc	1.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1187	ALL	405382.9	3778006	1.64E-06	1.75YrCanc	1.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1188	ALL	405402.9	3778006	1.81E-06	1.75YrCanc	1.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1189	ALL	405422.9	3778006	1.99E-06	1.75YrCanc	1.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1190	ALL	405442.9	3778006	2.19E-06	1.75YrCanc	2.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1191	ALL	405462.9	3778006	2.41E-06	1.75YrCanc	2.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1192	ALL	404922.9	3778026	3.41E-07	1.75YrCanc	3.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1193	ALL	404942.9	3778026	3.58E-07	1.75YrCanc	3.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1194	ALL	404962.9	3778026	3.76E-07	1.75YrCanc	3.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1195	ALL	404982.9	3778026	3.96E-07	1.75YrCanc	3.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1196	ALL	405002.9	3778026	4.18E-07	1.75YrCanc	4.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1197	ALL	405022.9	3778026	4.41E-07	1.75YrCanc	4.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1198	ALL	405042.9	3778026	4.67E-07	1.75YrCanc	4.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1199	ALL	405062.9	3778026	4.95E-07	1.75YrCanc	4.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1200	ALL	405082.9	3778026	5.26E-07	1.75YrCanc	5.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1201	ALL	405102.9	3778026	5.60E-07	1.75YrCanc	5.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1202	ALL	405122.9	3778026	5.98E-07	1.75YrCanc	5.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1203	ALL	405142.9	3778026	6.39E-07	1.75YrCanc	6.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1204	ALL	405162.9	3778026	6.85E-07	1.75YrCanc	6.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1205	ALL	405182.9	3778026	7.36E-07	1.75YrCanc	7.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1206	ALL	405202.9	3778026	7.94E-07	1.75YrCanc	7.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1207	ALL	405222.9	3778026	8.58E-07	1.75YrCanc	8.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1208	ALL	405242.9	3778026	9.29E-07	1.75YrCanc	9.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1209	ALL	405262.9	3778026	1.01E-06	1.75YrCanc	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1210	ALL	405282.9	3778026	1.10E-06	1.75YrCanc	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1211	ALL	405302.9	3778026	1.20E-06	1.75YrCanc	1.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1212	ALL	405322.9	3778026	1.32E-06	1.75YrCanc	1.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1213	ALL	405342.9	3778026	1.45E-06	1.75YrCanc	1.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1214	ALL	405362.9	3778026	1.61E-06	1.75YrCanc	1.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1215	ALL	405382.9	3778026	1.78E-06	1.75YrCanc	1.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1216	ALL	405402.9	3778026	1.97E-06	1.75YrCanc	1.97E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1217	ALL	405422.9	3778026	2.19E-06	1.75YrCanc	2.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1218	ALL	405442.9	3778026	2.44E-06	1.75YrCanc	2.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1219	ALL	405462.9	3778026	2.71E-06	1.75YrCanc	2.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1220	ALL	404922.9	3778046	3.45E-07	1.75YrCanc	3.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1221	ALL	404942.9	3778046	3.63E-07	1.75YrCanc	3.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1222	ALL	404962.9	3778046	3.82E-07	1.75YrCanc	3.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1223	ALL	404982.9	3778046	4.02E-07	1.75YrCanc	4.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1224	ALL	405002.9	3778046	4.25E-07	1.75YrCanc	4.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1225	ALL	405022.9	3778046	4.49E-07	1.75YrCanc	4.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1226	ALL	405042.9	3778046	4.76E-07	1.75YrCanc	4.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1227	ALL	405062.9	3778046	5.05E-07	1.75YrCanc	5.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1228	ALL	405082.9	3778046	5.37E-07	1.75YrCanc	5.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1229	ALL	405102.9	3778046	5.73E-07	1.75YrCanc	5.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1230	ALL	405122.9	3778046	6.12E-07	1.75YrCanc	6.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1231	ALL	405142.9	3778046	6.56E-07	1.75YrCanc	6.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1232	ALL	405162.9	3778046	7.05E-07	1.75YrCanc	7.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1233	ALL	405182.9	3778046	7.59E-07	1.75YrCanc	7.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1234	ALL	405202.9	3778046	8.20E-07	1.75YrCanc	8.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1235	ALL	405222.9	3778046	8.88E-07	1.75YrCanc	8.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1236	ALL	405242.9	3778046	9.66E-07	1.75YrCanc	9.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1237	ALL	405262.9	3778046	1.05E-06	1.75YrCanc	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1238	ALL	405282.9	3778046	1.15E-06	1.75YrCanc	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1239	ALL	405302.9	3778046	1.27E-06	1.75YrCanc	1.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1240	ALL	405322.9	3778046	1.40E-06	1.75YrCanc	1.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1241	ALL	405342.9	3778046	1.55E-06	1.75YrCanc	1.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1242	ALL	405362.9	3778046	1.72E-06	1.75YrCanc	1.72E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1243	ALL	405382.9	3778046	1.92E-06	1.75YrCanc	1.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1244	ALL	405402.9	3778046	2.15E-06	1.75YrCanc	2.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1245	ALL	405422.9	3778046	2.41E-06	1.75YrCanc	2.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1246	ALL	405442.9	3778046	2.71E-06	1.75YrCanc	2.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1247	ALL	405462.9	3778046	3.05E-06	1.75YrCanc	3.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1248	ALL	404922.9	3778066	3.49E-07	1.75YrCanc	3.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1249	ALL	404942.9	3778066	3.67E-07	1.75YrCanc	3.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1250	ALL	404962.9	3778066	3.87E-07	1.75YrCanc	3.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1251	ALL	404982.9	3778066	4.08E-07	1.75YrCanc	4.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1252	ALL	405002.9	3778066	4.31E-07	1.75YrCanc	4.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1253	ALL	405022.9	3778066	4.56E-07	1.75YrCanc	4.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1254	ALL	405042.9	3778066	4.84E-07	1.75YrCanc	4.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1255	ALL	405062.9	3778066	5.14E-07	1.75YrCanc	5.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1256	ALL	405082.9	3778066	5.48E-07	1.75YrCanc	5.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1257	ALL	405102.9	3778066	5.85E-07	1.75YrCanc	5.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1258	ALL	405122.9	3778066	6.26E-07	1.75YrCanc	6.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1259	ALL	405142.9	3778066	6.72E-07	1.75YrCanc	6.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1260	ALL	405162.9	3778066	7.23E-07	1.75YrCanc	7.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1261	ALL	405182.9	3778066	7.80E-07	1.75YrCanc	7.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1262	ALL	405202.9	3778066	8.45E-07	1.75YrCanc	8.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1263	ALL	405222.9	3778066	9.18E-07	1.75YrCanc	9.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1264	ALL	405242.9	3778066	1.00E-06	1.75YrCanc	1.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1265	ALL	405262.9	3778066	1.10E-06	1.75YrCanc	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1266	ALL	405282.9	3778066	1.20E-06	1.75YrCanc	1.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1267	ALL	405302.9	3778066	1.33E-06	1.75YrCanc	1.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1268	ALL	405322.9	3778066	1.47E-06	1.75YrCanc	1.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1269	ALL	405342.9	3778066	1.64E-06	1.75YrCanc	1.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1270	ALL	405362.9	3778066	1.84E-06	1.75YrCanc	1.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1271	ALL	405382.9	3778066	2.06E-06	1.75YrCanc	2.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1272	ALL	405402.9	3778066	2.33E-06	1.75YrCanc	2.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1273	ALL	405422.9	3778066	2.65E-06	1.75YrCanc	2.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1274	ALL	405442.9	3778066	3.02E-06	1.75YrCanc	3.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1275	ALL	405462.9	3778066	3.45E-06	1.75YrCanc	3.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1276	ALL	404922.9	3778086	3.53E-07	1.75YrCanc	3.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1277	ALL	404942.9	3778086	3.71E-07	1.75YrCanc	3.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1278	ALL	404962.9	3778086	3.91E-07	1.75YrCanc	3.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1279	ALL	404982.9	3778086	4.13E-07	1.75YrCanc	4.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1280	ALL	405002.9	3778086	4.37E-07	1.75YrCanc	4.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1281	ALL	405022.9	3778086	4.63E-07	1.75YrCanc	4.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1282	ALL	405042.9	3778086	4.91E-07	1.75YrCanc	4.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1283	ALL	405062.9	3778086	5.23E-07	1.75YrCanc	5.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1284	ALL	405082.9	3778086	5.58E-07	1.75YrCanc	5.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1285	ALL	405102.9	3778086	5.96E-07	1.75YrCanc	5.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1286	ALL	405122.9	3778086	6.39E-07	1.75YrCanc	6.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1287	ALL	405142.9	3778086	6.87E-07	1.75YrCanc	6.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1288	ALL	405162.9	3778086	7.40E-07	1.75YrCanc	7.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1289	ALL	405182.9	3778086	8.01E-07	1.75YrCanc	8.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1290	ALL	405202.9	3778086	8.69E-07	1.75YrCanc	8.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1291	ALL	405222.9	3778086	9.46E-07	1.75YrCanc	9.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1292	ALL	405242.9	3778086	1.03E-06	1.75YrCanc	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1293	ALL	405262.9	3778086	1.14E-06	1.75YrCanc	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1294	ALL	405282.9	3778086	1.25E-06	1.75YrCanc	1.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1295	ALL	405302.9	3778086	1.39E-06	1.75YrCanc	1.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1296	ALL	405322.9	3778086	1.55E-06	1.75YrCanc	1.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1297	ALL	405342.9	3778086	1.73E-06	1.75YrCanc	1.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1298	ALL	405362.9	3778086	1.95E-06	1.75YrCanc	1.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1299	ALL	405382.9	3778086	2.22E-06	1.75YrCanc	2.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1300	ALL	405402.9	3778086	2.53E-06	1.75YrCanc	2.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1301	ALL	405422.9	3778086	2.90E-06	1.75YrCanc	2.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1302	ALL	405442.9	3778086	3.35E-06	1.75YrCanc	3.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1303	ALL	405462.9	3778086	3.89E-06	1.75YrCanc	3.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1304	ALL	404917.7	3778096	3.50E-07	1.75YrCanc	3.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1305	ALL	405475.7	3778102	4.77E-06	1.75YrCanc	4.77E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1306	ALL	405479.5	3777969	2.07E-06	1.75YrCanc	2.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1307	ALL	405613.9	3777970	2.81E-06	1.75YrCanc	2.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1308	ALL	405621.5	3777920	1.94E-06	1.75YrCanc	1.94E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1309	ALL	405768.6	3777919	1.58E-06	1.75YrCanc	1.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1310	ALL	405777.5	3777938	1.73E-06	1.75YrCanc	1.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1311	ALL	405908.1	3777882	9.20E-07	1.75YrCanc	9.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1312	ALL	406116.1	3777817	4.66E-07	1.75YrCanc	4.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1313	ALL	406198.5	3777787	3.72E-07	1.75YrCanc	3.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1314	ALL	406199.8	3777568	2.50E-07	1.75YrCanc	2.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1315	ALL	404921.5	3777569	2.13E-07	1.75YrCanc	2.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1	ALL	404922.9	3777586	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04
2	ALL	404942.9	3777586	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04
3	ALL	404962.9	3777586	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04
4	ALL	404982.9	3777586	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04
5	ALL	405002.9	3777586	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04
6	ALL	405022.9	3777586	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04
7	ALL	405042.9	3777586	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04
8	ALL	405062.9	3777586	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04
9	ALL	405082.9	3777586	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04
10	ALL	405102.9	3777586	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04
11	ALL	405122.9	3777586	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04
12	ALL	405142.9	3777586	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04
13	ALL	405162.9	3777586	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04
14	ALL	405182.9	3777586	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04
15	ALL	405202.9	3777586	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04
16	ALL	405222.9	3777586	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04
17	ALL	405242.9	3777586	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04
18	ALL	405262.9	3777586	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04
19	ALL	405282.9	3777586	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04
20	ALL	405302.9	3777586	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04
21	ALL	405322.9	3777586	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04
22	ALL	405342.9	3777586	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04
23	ALL	405362.9	3777586	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04
24	ALL	405382.9	3777586	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04
25	ALL	405402.9	3777586	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04
26	ALL	405422.9	3777586	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04
27	ALL	405442.9	3777586	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04
28	ALL	405462.9	3777586	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04
29	ALL	405482.9	3777586	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04
30	ALL	405502.9	3777586	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04
31	ALL	405522.9	3777586	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04
32	ALL	405542.9	3777586	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04
33	ALL	405562.9	3777586	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04
34	ALL	405582.9	3777586	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04
35	ALL	405602.9	3777586	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04
36	ALL	405622.9	3777586	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04
37	ALL	405642.9	3777586	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04
38	ALL	405662.9	3777586	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04
39	ALL	405682.9	3777586	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04
40	ALL	405702.9	3777586	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04
41	ALL	405722.9	3777586	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04
42	ALL	405742.9	3777586	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04
43	ALL	405762.9	3777586	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04
44	ALL	405782.9	3777586	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04
45	ALL	405802.9	3777586	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04
46	ALL	405822.9	3777586	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04
47	ALL	405842.9	3777586	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04
48	ALL	405862.9	3777586	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04
49	ALL	405882.9	3777586	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04
50	ALL	405902.9	3777586	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04
51	ALL	405922.9	3777586	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04
52	ALL	405942.9	3777586	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04
53	ALL	405962.9	3777586	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04
54	ALL	405982.9	3777586	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04
55	ALL	406002.9	3777586	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04

56	ALL	406022.9	3777586	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04
57	ALL	406042.9	3777586	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04
58	ALL	406062.9	3777586	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04
59	ALL	406082.9	3777586	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04
60	ALL	406102.9	3777586	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04
61	ALL	406122.9	3777586	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04
62	ALL	406142.9	3777586	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04
63	ALL	406162.9	3777586	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04
64	ALL	406182.9	3777586	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04
65	ALL	404922.9	3777606	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04
66	ALL	404942.9	3777606	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04
67	ALL	404962.9	3777606	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04
68	ALL	404982.9	3777606	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04
69	ALL	405002.9	3777606	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04
70	ALL	405022.9	3777606	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04
71	ALL	405042.9	3777606	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04
72	ALL	405062.9	3777606	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04
73	ALL	405082.9	3777606	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04
74	ALL	405102.9	3777606	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04
75	ALL	405122.9	3777606	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04
76	ALL	405142.9	3777606	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04
77	ALL	405162.9	3777606	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04
78	ALL	405182.9	3777606	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04
79	ALL	405202.9	3777606	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04
80	ALL	405222.9	3777606	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04
81	ALL	405242.9	3777606	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04
82	ALL	405262.9	3777606	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04
83	ALL	405282.9	3777606	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04
84	ALL	405302.9	3777606	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04
85	ALL	405322.9	3777606	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04
86	ALL	405342.9	3777606	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04
87	ALL	405362.9	3777606	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04
88	ALL	405382.9	3777606	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04
89	ALL	405402.9	3777606	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04
90	ALL	405422.9	3777606	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04
91	ALL	405442.9	3777606	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04
92	ALL	405462.9	3777606	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04
93	ALL	405482.9	3777606	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04
94	ALL	405502.9	3777606	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04
95	ALL	405522.9	3777606	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04
96	ALL	405542.9	3777606	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04
97	ALL	405562.9	3777606	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04
98	ALL	405582.9	3777606	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04
99	ALL	405602.9	3777606	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04
100	ALL	405622.9	3777606	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04
101	ALL	405642.9	3777606	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04
102	ALL	405662.9	3777606	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04
103	ALL	405682.9	3777606	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04
104	ALL	405702.9	3777606	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-04
105	ALL	405722.9	3777606	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04
106	ALL	405742.9	3777606	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04
107	ALL	405762.9	3777606	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04
108	ALL	405782.9	3777606	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04
109	ALL	405802.9	3777606	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04
110	ALL	405822.9	3777606	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04

111	ALL	405842.9	3777606	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04
112	ALL	405862.9	3777606	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04
113	ALL	405882.9	3777606	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04
114	ALL	405902.9	3777606	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04
115	ALL	405922.9	3777606	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04
116	ALL	405942.9	3777606	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04
117	ALL	405962.9	3777606	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04
118	ALL	405982.9	3777606	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04
119	ALL	406002.9	3777606	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04
120	ALL	406022.9	3777606	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04
121	ALL	406042.9	3777606	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04
122	ALL	406062.9	3777606	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04
123	ALL	406082.9	3777606	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04
124	ALL	406102.9	3777606	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04
125	ALL	406122.9	3777606	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04
126	ALL	406142.9	3777606	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04
127	ALL	406162.9	3777606	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04
128	ALL	406182.9	3777606	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04
129	ALL	404922.9	3777626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04
130	ALL	404942.9	3777626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04
131	ALL	404962.9	3777626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04
132	ALL	404982.9	3777626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04
133	ALL	405002.9	3777626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04
134	ALL	405022.9	3777626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04
135	ALL	405042.9	3777626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04
136	ALL	405062.9	3777626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04
137	ALL	405082.9	3777626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04
138	ALL	405102.9	3777626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04
139	ALL	405122.9	3777626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04
140	ALL	405142.9	3777626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04
141	ALL	405162.9	3777626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04
142	ALL	405182.9	3777626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04
143	ALL	405202.9	3777626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04
144	ALL	405222.9	3777626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04
145	ALL	405242.9	3777626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04
146	ALL	405262.9	3777626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04
147	ALL	405282.9	3777626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04
148	ALL	405302.9	3777626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04
149	ALL	405322.9	3777626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04
150	ALL	405342.9	3777626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04
151	ALL	405362.9	3777626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04
152	ALL	405382.9	3777626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04
153	ALL	405402.9	3777626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04
154	ALL	405422.9	3777626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-04
155	ALL	405442.9	3777626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04
156	ALL	405462.9	3777626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-04
157	ALL	405482.9	3777626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04
158	ALL	405502.9	3777626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04
159	ALL	405522.9	3777626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04
160	ALL	405542.9	3777626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-04
161	ALL	405562.9	3777626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04
162	ALL	405582.9	3777626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-04
163	ALL	405602.9	3777626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-04
164	ALL	405622.9	3777626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04
165	ALL	405642.9	3777626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-04

166	ALL	405662.9	3777626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-04
167	ALL	405682.9	3777626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-04
168	ALL	405702.9	3777626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-04
169	ALL	405722.9	3777626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04
170	ALL	405742.9	3777626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04
171	ALL	405762.9	3777626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04
172	ALL	405782.9	3777626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04
173	ALL	405802.9	3777626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04
174	ALL	405822.9	3777626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04
175	ALL	405842.9	3777626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04
176	ALL	405862.9	3777626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04
177	ALL	405882.9	3777626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04
178	ALL	405902.9	3777626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04
179	ALL	405922.9	3777626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04
180	ALL	405942.9	3777626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04
181	ALL	405962.9	3777626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04
182	ALL	405982.9	3777626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04
183	ALL	406002.9	3777626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04
184	ALL	406022.9	3777626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04
185	ALL	406042.9	3777626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04
186	ALL	406062.9	3777626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04
187	ALL	406082.9	3777626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04
188	ALL	406102.9	3777626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04
189	ALL	406122.9	3777626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04
190	ALL	406142.9	3777626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04
191	ALL	406162.9	3777626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04
192	ALL	406182.9	3777626	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04
193	ALL	404922.9	3777646	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04
194	ALL	404942.9	3777646	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04
195	ALL	404962.9	3777646	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04
196	ALL	404982.9	3777646	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04
197	ALL	405002.9	3777646	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04
198	ALL	405022.9	3777646	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04
199	ALL	405042.9	3777646	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04
200	ALL	405062.9	3777646	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04
201	ALL	405082.9	3777646	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04
202	ALL	405102.9	3777646	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04
203	ALL	405122.9	3777646	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04
204	ALL	405142.9	3777646	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04
205	ALL	405162.9	3777646	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04
206	ALL	405182.9	3777646	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04
207	ALL	405202.9	3777646	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04
208	ALL	405222.9	3777646	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04
209	ALL	405242.9	3777646	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04
210	ALL	405262.9	3777646	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04
211	ALL	405282.9	3777646	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04
212	ALL	405302.9	3777646	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04
213	ALL	405322.9	3777646	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04
214	ALL	405342.9	3777646	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04
215	ALL	405362.9	3777646	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04
216	ALL	405382.9	3777646	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04
217	ALL	405402.9	3777646	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-04
218	ALL	405422.9	3777646	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04
219	ALL	405442.9	3777646	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04
220	ALL	405462.9	3777646	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-04

221	ALL	405482.9	3777646	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04
222	ALL	405502.9	3777646	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04
223	ALL	405522.9	3777646	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-04
224	ALL	405542.9	3777646	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04
225	ALL	405562.9	3777646	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-04
226	ALL	405582.9	3777646	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04
227	ALL	405602.9	3777646	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04
228	ALL	405622.9	3777646	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04
229	ALL	405642.9	3777646	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-04
230	ALL	405662.9	3777646	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04
231	ALL	405682.9	3777646	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04
232	ALL	405702.9	3777646	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04
233	ALL	405722.9	3777646	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04
234	ALL	405742.9	3777646	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-04
235	ALL	405762.9	3777646	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04
236	ALL	405782.9	3777646	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-04
237	ALL	405802.9	3777646	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04
238	ALL	405822.9	3777646	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04
239	ALL	405842.9	3777646	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-04
240	ALL	405862.9	3777646	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04
241	ALL	405882.9	3777646	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04
242	ALL	405902.9	3777646	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04
243	ALL	405922.9	3777646	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04
244	ALL	405942.9	3777646	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04
245	ALL	405962.9	3777646	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04
246	ALL	405982.9	3777646	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04
247	ALL	406002.9	3777646	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04
248	ALL	406022.9	3777646	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04
249	ALL	406042.9	3777646	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04
250	ALL	406062.9	3777646	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04
251	ALL	406082.9	3777646	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04
252	ALL	406102.9	3777646	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04
253	ALL	406122.9	3777646	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04
254	ALL	406142.9	3777646	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04
255	ALL	406162.9	3777646	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04
256	ALL	406182.9	3777646	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04
257	ALL	404922.9	3777666	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04
258	ALL	404942.9	3777666	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04
259	ALL	404962.9	3777666	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04
260	ALL	404982.9	3777666	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04
261	ALL	405002.9	3777666	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04
262	ALL	405022.9	3777666	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04
263	ALL	405042.9	3777666	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04
264	ALL	405062.9	3777666	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04
265	ALL	405082.9	3777666	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04
266	ALL	405102.9	3777666	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04
267	ALL	405122.9	3777666	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04
268	ALL	405142.9	3777666	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04
269	ALL	405162.9	3777666	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04
270	ALL	405182.9	3777666	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04
271	ALL	405202.9	3777666	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04
272	ALL	405222.9	3777666	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04
273	ALL	405242.9	3777666	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04
274	ALL	405262.9	3777666	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04
275	ALL	405282.9	3777666	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04

276	ALL	405302.9	3777666	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04
277	ALL	405322.9	3777666	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04
278	ALL	405342.9	3777666	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-04
279	ALL	405362.9	3777666	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-04
280	ALL	405382.9	3777666	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-04
281	ALL	405402.9	3777666	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-04
282	ALL	405422.9	3777666	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04
283	ALL	405442.9	3777666	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-04
284	ALL	405462.9	3777666	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-04
285	ALL	405482.9	3777666	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04
286	ALL	405502.9	3777666	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04
287	ALL	405522.9	3777666	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-04
288	ALL	405542.9	3777666	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04
289	ALL	405562.9	3777666	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04
290	ALL	405582.9	3777666	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04
291	ALL	405602.9	3777666	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04
292	ALL	405622.9	3777666	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04
293	ALL	405642.9	3777666	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04
294	ALL	405662.9	3777666	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-04
295	ALL	405682.9	3777666	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04
296	ALL	405702.9	3777666	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04
297	ALL	405722.9	3777666	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04
298	ALL	405742.9	3777666	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04
299	ALL	405762.9	3777666	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-04
300	ALL	405782.9	3777666	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-04
301	ALL	405802.9	3777666	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04
302	ALL	405822.9	3777666	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-04
303	ALL	405842.9	3777666	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-04
304	ALL	405862.9	3777666	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04
305	ALL	405882.9	3777666	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04
306	ALL	405902.9	3777666	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-04
307	ALL	405922.9	3777666	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04
308	ALL	405942.9	3777666	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04
309	ALL	405962.9	3777666	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04
310	ALL	405982.9	3777666	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04
311	ALL	406002.9	3777666	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04
312	ALL	406022.9	3777666	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04
313	ALL	406042.9	3777666	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04
314	ALL	406062.9	3777666	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04
315	ALL	406082.9	3777666	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04
316	ALL	406102.9	3777666	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04
317	ALL	406122.9	3777666	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04
318	ALL	406142.9	3777666	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04
319	ALL	406162.9	3777666	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04
320	ALL	406182.9	3777666	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04
321	ALL	404922.9	3777686	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04
322	ALL	404942.9	3777686	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04
323	ALL	404962.9	3777686	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04
324	ALL	404982.9	3777686	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04
325	ALL	405002.9	3777686	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04
326	ALL	405022.9	3777686	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04
327	ALL	405042.9	3777686	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04
328	ALL	405062.9	3777686	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04
329	ALL	405082.9	3777686	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04
330	ALL	405102.9	3777686	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04

331	ALL	405122.9	3777686	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04
332	ALL	405142.9	3777686	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04
333	ALL	405162.9	3777686	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04
334	ALL	405182.9	3777686	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04
335	ALL	405202.9	3777686	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04
336	ALL	405222.9	3777686	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04
337	ALL	405242.9	3777686	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04
338	ALL	405262.9	3777686	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04
339	ALL	405282.9	3777686	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04
340	ALL	405302.9	3777686	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04
341	ALL	405322.9	3777686	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04
342	ALL	405342.9	3777686	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04
343	ALL	405362.9	3777686	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04
344	ALL	405382.9	3777686	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-04
345	ALL	405402.9	3777686	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04
346	ALL	405422.9	3777686	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-04
347	ALL	405442.9	3777686	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-04
348	ALL	405462.9	3777686	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-04
349	ALL	405482.9	3777686	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-04
350	ALL	405502.9	3777686	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-04
351	ALL	405522.9	3777686	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-04
352	ALL	405542.9	3777686	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-04
353	ALL	405562.9	3777686	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-04
354	ALL	405582.9	3777686	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-04
355	ALL	405602.9	3777686	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-04
356	ALL	405622.9	3777686	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-04
357	ALL	405642.9	3777686	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-04
358	ALL	405662.9	3777686	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-04
359	ALL	405682.9	3777686	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-04
360	ALL	405702.9	3777686	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-04
361	ALL	405722.9	3777686	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-04
362	ALL	405742.9	3777686	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-04
363	ALL	405762.9	3777686	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04
364	ALL	405782.9	3777686	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-04
365	ALL	405802.9	3777686	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04
366	ALL	405822.9	3777686	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-04
367	ALL	405842.9	3777686	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-04
368	ALL	405862.9	3777686	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-04
369	ALL	405882.9	3777686	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-04
370	ALL	405902.9	3777686	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04
371	ALL	405922.9	3777686	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04
372	ALL	405942.9	3777686	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-04
373	ALL	405962.9	3777686	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04
374	ALL	405982.9	3777686	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04
375	ALL	406002.9	3777686	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04
376	ALL	406022.9	3777686	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04
377	ALL	406042.9	3777686	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04
378	ALL	406062.9	3777686	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04
379	ALL	406082.9	3777686	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04
380	ALL	406102.9	3777686	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04
381	ALL	406122.9	3777686	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04
382	ALL	406142.9	3777686	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04
383	ALL	406162.9	3777686	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04
384	ALL	406182.9	3777686	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04
385	ALL	404922.9	3777706	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04

386	ALL	404942.9	3777706	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04
387	ALL	404962.9	3777706	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04
388	ALL	404982.9	3777706	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04
389	ALL	405002.9	3777706	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04
390	ALL	405022.9	3777706	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04
391	ALL	405042.9	3777706	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04
392	ALL	405062.9	3777706	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04
393	ALL	405082.9	3777706	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04
394	ALL	405102.9	3777706	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04
395	ALL	405122.9	3777706	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04
396	ALL	405142.9	3777706	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04
397	ALL	405162.9	3777706	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04
398	ALL	405182.9	3777706	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04
399	ALL	405202.9	3777706	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04
400	ALL	405222.9	3777706	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04
401	ALL	405242.9	3777706	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04
402	ALL	405262.9	3777706	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04
403	ALL	405282.9	3777706	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04
404	ALL	405302.9	3777706	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04
405	ALL	405322.9	3777706	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04
406	ALL	405342.9	3777706	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-04
407	ALL	405362.9	3777706	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04
408	ALL	405382.9	3777706	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-04
409	ALL	405402.9	3777706	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-04
410	ALL	405422.9	3777706	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-04
411	ALL	405442.9	3777706	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-04
412	ALL	405462.9	3777706	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-04
413	ALL	405482.9	3777706	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-04
414	ALL	405502.9	3777706	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-04
415	ALL	405522.9	3777706	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-04
416	ALL	405542.9	3777706	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-04
417	ALL	405562.9	3777706	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-04
418	ALL	405582.9	3777706	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-04
419	ALL	405602.9	3777706	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-04
420	ALL	405622.9	3777706	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-04
421	ALL	405642.9	3777706	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-04
422	ALL	405662.9	3777706	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-04
423	ALL	405682.9	3777706	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-04
424	ALL	405702.9	3777706	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-04
425	ALL	405722.9	3777706	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-04
426	ALL	405742.9	3777706	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-04
427	ALL	405762.9	3777706	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-04
428	ALL	405782.9	3777706	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-04
429	ALL	405802.9	3777706	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-04
430	ALL	405822.9	3777706	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04
431	ALL	405842.9	3777706	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-04
432	ALL	405862.9	3777706	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04
433	ALL	405882.9	3777706	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-04
434	ALL	405902.9	3777706	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04
435	ALL	405922.9	3777706	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-04
436	ALL	405942.9	3777706	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04
437	ALL	405962.9	3777706	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04
438	ALL	405982.9	3777706	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04
439	ALL	406002.9	3777706	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04
440	ALL	406022.9	3777706	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04

441	ALL	406042.9	3777706	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04
442	ALL	406062.9	3777706	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04
443	ALL	406082.9	3777706	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04
444	ALL	406102.9	3777706	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04
445	ALL	406122.9	3777706	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04
446	ALL	406142.9	3777706	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04
447	ALL	406162.9	3777706	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04
448	ALL	406182.9	3777706	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04
449	ALL	404922.9	3777726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04
450	ALL	404942.9	3777726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04
451	ALL	404962.9	3777726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04
452	ALL	404982.9	3777726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04
453	ALL	405002.9	3777726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04
454	ALL	405022.9	3777726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04
455	ALL	405042.9	3777726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04
456	ALL	405062.9	3777726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04
457	ALL	405082.9	3777726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04
458	ALL	405102.9	3777726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04
459	ALL	405122.9	3777726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04
460	ALL	405142.9	3777726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04
461	ALL	405162.9	3777726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04
462	ALL	405182.9	3777726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04
463	ALL	405202.9	3777726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04
464	ALL	405222.9	3777726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04
465	ALL	405242.9	3777726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04
466	ALL	405262.9	3777726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04
467	ALL	405282.9	3777726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-04
468	ALL	405302.9	3777726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04
469	ALL	405322.9	3777726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-04
470	ALL	405342.9	3777726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-04
471	ALL	405362.9	3777726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04
472	ALL	405382.9	3777726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-04
473	ALL	405402.9	3777726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04
474	ALL	405422.9	3777726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-04
475	ALL	405442.9	3777726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-04
476	ALL	405462.9	3777726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-04
477	ALL	405482.9	3777726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-04
478	ALL	405502.9	3777726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-04
479	ALL	405522.9	3777726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-04
480	ALL	405542.9	3777726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-04
481	ALL	405562.9	3777726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-04
482	ALL	405582.9	3777726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-04
483	ALL	405602.9	3777726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-04
484	ALL	405622.9	3777726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-04
485	ALL	405642.9	3777726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-04
486	ALL	405662.9	3777726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-04
487	ALL	405682.9	3777726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-04
488	ALL	405702.9	3777726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-04
489	ALL	405722.9	3777726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-04
490	ALL	405742.9	3777726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-04
491	ALL	405762.9	3777726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-04
492	ALL	405782.9	3777726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-04
493	ALL	405802.9	3777726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-04
494	ALL	405822.9	3777726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04
495	ALL	405842.9	3777726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-04

496	ALL	405862.9	3777726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-04
497	ALL	405882.9	3777726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-04
498	ALL	405902.9	3777726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04
499	ALL	405922.9	3777726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-04
500	ALL	405942.9	3777726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04
501	ALL	405962.9	3777726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-04
502	ALL	405982.9	3777726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-04
503	ALL	406002.9	3777726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04
504	ALL	406022.9	3777726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04
505	ALL	406042.9	3777726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04
506	ALL	406062.9	3777726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04
507	ALL	406082.9	3777726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04
508	ALL	406102.9	3777726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04
509	ALL	406122.9	3777726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04
510	ALL	406142.9	3777726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04
511	ALL	406162.9	3777726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04
512	ALL	406182.9	3777726	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04
513	ALL	404922.9	3777746	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04
514	ALL	404942.9	3777746	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04
515	ALL	404962.9	3777746	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04
516	ALL	404982.9	3777746	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04
517	ALL	405002.9	3777746	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04
518	ALL	405022.9	3777746	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04
519	ALL	405042.9	3777746	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04
520	ALL	405062.9	3777746	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04
521	ALL	405082.9	3777746	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04
522	ALL	405102.9	3777746	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04
523	ALL	405122.9	3777746	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04
524	ALL	405142.9	3777746	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04
525	ALL	405162.9	3777746	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04
526	ALL	405182.9	3777746	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04
527	ALL	405202.9	3777746	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04
528	ALL	405222.9	3777746	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04
529	ALL	405242.9	3777746	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-04
530	ALL	405262.9	3777746	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-04
531	ALL	405282.9	3777746	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-04
532	ALL	405302.9	3777746	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04
533	ALL	405322.9	3777746	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04
534	ALL	405342.9	3777746	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-04
535	ALL	405362.9	3777746	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04
536	ALL	405382.9	3777746	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-04
537	ALL	405402.9	3777746	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-04
538	ALL	405422.9	3777746	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-04
539	ALL	405442.9	3777746	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-04
540	ALL	405462.9	3777746	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-04
541	ALL	405482.9	3777746	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-04
542	ALL	405502.9	3777746	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-04
543	ALL	405522.9	3777746	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-04
544	ALL	405542.9	3777746	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-04
545	ALL	405562.9	3777746	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-04
546	ALL	405582.9	3777746	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-04
547	ALL	405602.9	3777746	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-04
548	ALL	405622.9	3777746	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-04
549	ALL	405642.9	3777746	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-04
550	ALL	405662.9	3777746	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-04

551	ALL	405682.9	3777746	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-04
552	ALL	405702.9	3777746	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-04
553	ALL	405722.9	3777746	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-04
554	ALL	405742.9	3777746	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-04
555	ALL	405762.9	3777746	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-04
556	ALL	405782.9	3777746	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-04
557	ALL	405802.9	3777746	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-04
558	ALL	405822.9	3777746	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-04
559	ALL	405842.9	3777746	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-04
560	ALL	405862.9	3777746	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-04
561	ALL	405882.9	3777746	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-04
562	ALL	405902.9	3777746	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-04
563	ALL	405922.9	3777746	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04
564	ALL	405942.9	3777746	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04
565	ALL	405962.9	3777746	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-04
566	ALL	405982.9	3777746	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-04
567	ALL	406002.9	3777746	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-04
568	ALL	406022.9	3777746	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04
569	ALL	406042.9	3777746	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04
570	ALL	406062.9	3777746	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04
571	ALL	406082.9	3777746	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04
572	ALL	406102.9	3777746	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04
573	ALL	406122.9	3777746	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04
574	ALL	406142.9	3777746	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04
575	ALL	406162.9	3777746	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04
576	ALL	406182.9	3777746	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04
577	ALL	404922.9	3777766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04
578	ALL	404942.9	3777766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04
579	ALL	404962.9	3777766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04
580	ALL	404982.9	3777766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04
581	ALL	405002.9	3777766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04
582	ALL	405022.9	3777766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04
583	ALL	405042.9	3777766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04
584	ALL	405062.9	3777766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04
585	ALL	405082.9	3777766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04
586	ALL	405102.9	3777766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04
587	ALL	405122.9	3777766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04
588	ALL	405142.9	3777766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04
589	ALL	405162.9	3777766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04
590	ALL	405182.9	3777766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04
591	ALL	405202.9	3777766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04
592	ALL	405222.9	3777766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04
593	ALL	405242.9	3777766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04
594	ALL	405262.9	3777766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-04
595	ALL	405282.9	3777766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04
596	ALL	405302.9	3777766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-04
597	ALL	405322.9	3777766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-04
598	ALL	405342.9	3777766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-04
599	ALL	405362.9	3777766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-04
600	ALL	405382.9	3777766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-04
601	ALL	405402.9	3777766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-04
602	ALL	405422.9	3777766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-04
603	ALL	405442.9	3777766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-04
604	ALL	405462.9	3777766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-04
605	ALL	405482.9	3777766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-04

606	ALL	405502.9	3777766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-04
607	ALL	405522.9	3777766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-04
608	ALL	405542.9	3777766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-04
609	ALL	405562.9	3777766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-04
610	ALL	405582.9	3777766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-04
611	ALL	405602.9	3777766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-04
612	ALL	405622.9	3777766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-04
613	ALL	405642.9	3777766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-04
614	ALL	405662.9	3777766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-04
615	ALL	405682.9	3777766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-04
616	ALL	405702.9	3777766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-04
617	ALL	405722.9	3777766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-04
618	ALL	405742.9	3777766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-04
619	ALL	405762.9	3777766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-04
620	ALL	405782.9	3777766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-04
621	ALL	405802.9	3777766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-04
622	ALL	405822.9	3777766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-04
623	ALL	405842.9	3777766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-04
624	ALL	405862.9	3777766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-04
625	ALL	405882.9	3777766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-04
626	ALL	405902.9	3777766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-04
627	ALL	405922.9	3777766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-04
628	ALL	405942.9	3777766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-04
629	ALL	405962.9	3777766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-04
630	ALL	405982.9	3777766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04
631	ALL	406002.9	3777766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04
632	ALL	406022.9	3777766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04
633	ALL	406042.9	3777766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04
634	ALL	406062.9	3777766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-04
635	ALL	406082.9	3777766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04
636	ALL	406102.9	3777766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04
637	ALL	406122.9	3777766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04
638	ALL	406142.9	3777766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04
639	ALL	406162.9	3777766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04
640	ALL	406182.9	3777766	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04
641	ALL	404922.9	3777786	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04
642	ALL	404942.9	3777786	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04
643	ALL	404962.9	3777786	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04
644	ALL	404982.9	3777786	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04
645	ALL	405002.9	3777786	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04
646	ALL	405022.9	3777786	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04
647	ALL	405042.9	3777786	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04
648	ALL	405062.9	3777786	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04
649	ALL	405082.9	3777786	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04
650	ALL	405102.9	3777786	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04
651	ALL	405122.9	3777786	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04
652	ALL	405142.9	3777786	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04
653	ALL	405162.9	3777786	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04
654	ALL	405182.9	3777786	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04
655	ALL	405202.9	3777786	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04
656	ALL	405222.9	3777786	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04
657	ALL	405242.9	3777786	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-04
658	ALL	405262.9	3777786	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-04
659	ALL	405282.9	3777786	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-04
660	ALL	405302.9	3777786	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04

661	ALL	405322.9	3777786	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-04
662	ALL	405342.9	3777786	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-04
663	ALL	405362.9	3777786	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-04
664	ALL	405382.9	3777786	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-04
665	ALL	405402.9	3777786	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-04
666	ALL	405422.9	3777786	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-04
667	ALL	405442.9	3777786	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-04
668	ALL	405462.9	3777786	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-04
669	ALL	405482.9	3777786	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-04
670	ALL	405502.9	3777786	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-04
671	ALL	405522.9	3777786	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-04
672	ALL	405542.9	3777786	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-04
673	ALL	405562.9	3777786	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-04
674	ALL	405582.9	3777786	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-04
675	ALL	405602.9	3777786	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-04
676	ALL	405622.9	3777786	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-04
677	ALL	405642.9	3777786	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-04
678	ALL	405662.9	3777786	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-04
679	ALL	405682.9	3777786	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-04
680	ALL	405702.9	3777786	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-04
681	ALL	405722.9	3777786	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-04
682	ALL	405742.9	3777786	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-04
683	ALL	405762.9	3777786	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-04
684	ALL	405782.9	3777786	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-04
685	ALL	405802.9	3777786	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-04
686	ALL	405822.9	3777786	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-04
687	ALL	405842.9	3777786	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-04
688	ALL	405862.9	3777786	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-04
689	ALL	405882.9	3777786	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-04
690	ALL	405902.9	3777786	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-04
691	ALL	405922.9	3777786	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-04
692	ALL	405942.9	3777786	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04
693	ALL	405962.9	3777786	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-04
694	ALL	405982.9	3777786	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-04
695	ALL	406002.9	3777786	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04
696	ALL	406022.9	3777786	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04
697	ALL	406042.9	3777786	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-04
698	ALL	406062.9	3777786	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-04
699	ALL	406082.9	3777786	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04
700	ALL	406102.9	3777786	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04
701	ALL	406122.9	3777786	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04
702	ALL	406142.9	3777786	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04
703	ALL	406162.9	3777786	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04
704	ALL	406182.9	3777786	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04
705	ALL	404922.9	3777806	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04
706	ALL	404942.9	3777806	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04
707	ALL	404962.9	3777806	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04
708	ALL	404982.9	3777806	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04
709	ALL	405002.9	3777806	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04
710	ALL	405022.9	3777806	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04
711	ALL	405042.9	3777806	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04
712	ALL	405062.9	3777806	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04
713	ALL	405082.9	3777806	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04
714	ALL	405102.9	3777806	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04
715	ALL	405122.9	3777806	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04

716	ALL	405142.9	3777806	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04
717	ALL	405162.9	3777806	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04
718	ALL	405182.9	3777806	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-04
719	ALL	405202.9	3777806	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-04
720	ALL	405222.9	3777806	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-04
721	ALL	405242.9	3777806	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04
722	ALL	405262.9	3777806	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-04
723	ALL	405282.9	3777806	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-04
724	ALL	405302.9	3777806	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-04
725	ALL	405322.9	3777806	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-04
726	ALL	405342.9	3777806	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-04
727	ALL	405362.9	3777806	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-04
728	ALL	405382.9	3777806	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-04
729	ALL	405402.9	3777806	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-04
730	ALL	405422.9	3777806	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-04
731	ALL	405442.9	3777806	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-04
732	ALL	405462.9	3777806	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-04
733	ALL	405482.9	3777806	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-04
734	ALL	405502.9	3777806	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-04
735	ALL	405522.9	3777806	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-04
736	ALL	405542.9	3777806	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-04
737	ALL	405562.9	3777806	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-04
738	ALL	405582.9	3777806	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-04
739	ALL	405602.9	3777806	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-04
740	ALL	405622.9	3777806	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-04
741	ALL	405642.9	3777806	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-04
742	ALL	405662.9	3777806	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-04
743	ALL	405682.9	3777806	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-04
744	ALL	405702.9	3777806	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-04
745	ALL	405722.9	3777806	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-04
746	ALL	405742.9	3777806	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-04
747	ALL	405762.9	3777806	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-04
748	ALL	405782.9	3777806	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-04
749	ALL	405802.9	3777806	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-04
750	ALL	405822.9	3777806	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-04
751	ALL	405842.9	3777806	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-04
752	ALL	405862.9	3777806	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-04
753	ALL	405882.9	3777806	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-04
754	ALL	405902.9	3777806	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-04
755	ALL	405922.9	3777806	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-04
756	ALL	405942.9	3777806	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-04
757	ALL	405962.9	3777806	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-04
758	ALL	405982.9	3777806	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-04
759	ALL	406002.9	3777806	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04
760	ALL	406022.9	3777806	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04
761	ALL	406042.9	3777806	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-04
762	ALL	406062.9	3777806	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-04
763	ALL	406082.9	3777806	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04
764	ALL	406102.9	3777806	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04
765	ALL	406122.9	3777806	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04
766	ALL	406142.9	3777806	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04
767	ALL	404922.9	3777826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04
768	ALL	404942.9	3777826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04
769	ALL	404962.9	3777826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04
770	ALL	404982.9	3777826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04

771	ALL	405002.9	3777826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04
772	ALL	405022.9	3777826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04
773	ALL	405042.9	3777826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04
774	ALL	405062.9	3777826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04
775	ALL	405082.9	3777826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04
776	ALL	405102.9	3777826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04
777	ALL	405122.9	3777826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04
778	ALL	405142.9	3777826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04
779	ALL	405162.9	3777826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04
780	ALL	405182.9	3777826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-04
781	ALL	405202.9	3777826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-04
782	ALL	405222.9	3777826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-04
783	ALL	405242.9	3777826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-04
784	ALL	405262.9	3777826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-04
785	ALL	405282.9	3777826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-04
786	ALL	405302.9	3777826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-04
787	ALL	405322.9	3777826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-04
788	ALL	405342.9	3777826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-04
789	ALL	405362.9	3777826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-04
790	ALL	405382.9	3777826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-04
791	ALL	405402.9	3777826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-04
792	ALL	405422.9	3777826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-04
793	ALL	405442.9	3777826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-04
794	ALL	405462.9	3777826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-04
795	ALL	405482.9	3777826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-04
796	ALL	405502.9	3777826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-04
797	ALL	405522.9	3777826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-04
798	ALL	405542.9	3777826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.20E-04
799	ALL	405562.9	3777826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-04
800	ALL	405582.9	3777826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-04
801	ALL	405602.9	3777826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-04
802	ALL	405622.9	3777826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-04
803	ALL	405642.9	3777826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.42E-04
804	ALL	405662.9	3777826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.35E-04
805	ALL	405682.9	3777826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-04
806	ALL	405702.9	3777826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.12E-04
807	ALL	405722.9	3777826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-04
808	ALL	405742.9	3777826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.80E-04
809	ALL	405762.9	3777826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-04
810	ALL	405782.9	3777826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.40E-04
811	ALL	405802.9	3777826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-04
812	ALL	405822.9	3777826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-04
813	ALL	405842.9	3777826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-04
814	ALL	405862.9	3777826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-04
815	ALL	405882.9	3777826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-04
816	ALL	405902.9	3777826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-04
817	ALL	405922.9	3777826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-04
818	ALL	405942.9	3777826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-04
819	ALL	405962.9	3777826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-04
820	ALL	405982.9	3777826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-04
821	ALL	406002.9	3777826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04
822	ALL	406022.9	3777826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-04
823	ALL	406042.9	3777826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04
824	ALL	406062.9	3777826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-04
825	ALL	406082.9	3777826	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-04

826	ALL	404922.9	3777846	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04
827	ALL	404942.9	3777846	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04
828	ALL	404962.9	3777846	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04
829	ALL	404982.9	3777846	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04
830	ALL	405002.9	3777846	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04
831	ALL	405022.9	3777846	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04
832	ALL	405042.9	3777846	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04
833	ALL	405062.9	3777846	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04
834	ALL	405082.9	3777846	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04
835	ALL	405102.9	3777846	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04
836	ALL	405122.9	3777846	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04
837	ALL	405142.9	3777846	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04
838	ALL	405162.9	3777846	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-04
839	ALL	405182.9	3777846	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-04
840	ALL	405202.9	3777846	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-04
841	ALL	405222.9	3777846	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-04
842	ALL	405242.9	3777846	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-04
843	ALL	405262.9	3777846	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-04
844	ALL	405282.9	3777846	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-04
845	ALL	405302.9	3777846	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-04
846	ALL	405322.9	3777846	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-04
847	ALL	405342.9	3777846	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-04
848	ALL	405362.9	3777846	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-04
849	ALL	405382.9	3777846	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-04
850	ALL	405402.9	3777846	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.21E-04
851	ALL	405422.9	3777846	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-04
852	ALL	405442.9	3777846	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.78E-04
853	ALL	405462.9	3777846	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-04
854	ALL	405482.9	3777846	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-04
855	ALL	405502.9	3777846	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.56E-04
856	ALL	405522.9	3777846	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-04
857	ALL	405542.9	3777846	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-04
858	ALL	405562.9	3777846	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-04
859	ALL	405582.9	3777846	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.19E-04
860	ALL	405602.9	3777846	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.25E-04
861	ALL	405622.9	3777846	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-04
862	ALL	405642.9	3777846	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.23E-04
863	ALL	405662.9	3777846	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-04
864	ALL	405682.9	3777846	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-04
865	ALL	405702.9	3777846	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-04
866	ALL	405722.9	3777846	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-04
867	ALL	405742.9	3777846	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-04
868	ALL	405762.9	3777846	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-04
869	ALL	405782.9	3777846	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-04
870	ALL	405802.9	3777846	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-04
871	ALL	405822.9	3777846	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-04
872	ALL	405842.9	3777846	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.21E-04
873	ALL	405862.9	3777846	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-04
874	ALL	405882.9	3777846	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-04
875	ALL	405902.9	3777846	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-04
876	ALL	405922.9	3777846	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-04
877	ALL	405942.9	3777846	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-04
878	ALL	405962.9	3777846	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-04
879	ALL	405982.9	3777846	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-04
880	ALL	406002.9	3777846	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-04

881	ALL	404922.9	3777866	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04
882	ALL	404942.9	3777866	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04
883	ALL	404962.9	3777866	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04
884	ALL	404982.9	3777866	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04
885	ALL	405002.9	3777866	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04
886	ALL	405022.9	3777866	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04
887	ALL	405042.9	3777866	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04
888	ALL	405062.9	3777866	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04
889	ALL	405082.9	3777866	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04
890	ALL	405102.9	3777866	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04
891	ALL	405122.9	3777866	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04
892	ALL	405142.9	3777866	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04
893	ALL	405162.9	3777866	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04
894	ALL	405182.9	3777866	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04
895	ALL	405202.9	3777866	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-04
896	ALL	405222.9	3777866	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04
897	ALL	405242.9	3777866	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-04
898	ALL	405262.9	3777866	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-04
899	ALL	405282.9	3777866	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-04
900	ALL	405302.9	3777866	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-04
901	ALL	405322.9	3777866	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-04
902	ALL	405342.9	3777866	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-04
903	ALL	405362.9	3777866	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-04
904	ALL	405382.9	3777866	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-04
905	ALL	405402.9	3777866	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-04
906	ALL	405422.9	3777866	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.04E-04
907	ALL	405442.9	3777866	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-04
908	ALL	405462.9	3777866	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.72E-04
909	ALL	405482.9	3777866	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.03E-04
910	ALL	405502.9	3777866	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-04
911	ALL	405522.9	3777866	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.60E-04
912	ALL	405542.9	3777866	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.82E-04
913	ALL	405562.9	3777866	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-04
914	ALL	405582.9	3777866	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.14E-04
915	ALL	405602.9	3777866	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.21E-04
916	ALL	405622.9	3777866	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-04
917	ALL	405642.9	3777866	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.19E-04
918	ALL	405662.9	3777866	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.10E-04
919	ALL	405682.9	3777866	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-04
920	ALL	405702.9	3777866	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-04
921	ALL	405722.9	3777866	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.54E-04
922	ALL	405742.9	3777866	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.29E-04
923	ALL	405762.9	3777866	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-04
924	ALL	405782.9	3777866	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-04
925	ALL	405802.9	3777866	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-04
926	ALL	405822.9	3777866	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.08E-04
927	ALL	405842.9	3777866	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-04
928	ALL	405862.9	3777866	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-04
929	ALL	405882.9	3777866	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-04
930	ALL	405902.9	3777866	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-04
931	ALL	405922.9	3777866	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-04
932	ALL	405942.9	3777866	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-04
933	ALL	404922.9	3777886	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04
934	ALL	404942.9	3777886	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04
935	ALL	404962.9	3777886	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04

936	ALL	404982.9	3777886	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04
937	ALL	405002.9	3777886	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04
938	ALL	405022.9	3777886	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04
939	ALL	405042.9	3777886	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04
940	ALL	405062.9	3777886	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04
941	ALL	405082.9	3777886	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04
942	ALL	405102.9	3777886	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04
943	ALL	405122.9	3777886	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04
944	ALL	405142.9	3777886	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04
945	ALL	405162.9	3777886	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-04
946	ALL	405182.9	3777886	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04
947	ALL	405202.9	3777886	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-04
948	ALL	405222.9	3777886	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-04
949	ALL	405242.9	3777886	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-04
950	ALL	405262.9	3777886	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-04
951	ALL	405282.9	3777886	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-04
952	ALL	405302.9	3777886	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-04
953	ALL	405322.9	3777886	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-04
954	ALL	405342.9	3777886	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-04
955	ALL	405362.9	3777886	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-04
956	ALL	405382.9	3777886	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-04
957	ALL	405402.9	3777886	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-04
958	ALL	405422.9	3777886	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-04
959	ALL	405442.9	3777886	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-04
960	ALL	405462.9	3777886	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-04
961	ALL	405482.9	3777886	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.86E-04
962	ALL	405502.9	3777886	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-04
963	ALL	405522.9	3777886	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.56E-04
964	ALL	405542.9	3777886	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.84E-04
965	ALL	405562.9	3777886	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03
966	ALL	405582.9	3777886	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03
967	ALL	405602.9	3777886	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03
968	ALL	405622.9	3777886	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03
969	ALL	405642.9	3777886	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03
970	ALL	405662.9	3777886	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03
971	ALL	405682.9	3777886	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03
972	ALL	405702.9	3777886	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-04
973	ALL	405722.9	3777886	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.54E-04
974	ALL	405742.9	3777886	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-04
975	ALL	405762.9	3777886	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.88E-04
976	ALL	405782.9	3777886	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-04
977	ALL	405802.9	3777886	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.14E-04
978	ALL	405822.9	3777886	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-04
979	ALL	405842.9	3777886	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-04
980	ALL	405862.9	3777886	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-04
981	ALL	405882.9	3777886	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-04
982	ALL	404922.9	3777906	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04
983	ALL	404942.9	3777906	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04
984	ALL	404962.9	3777906	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04
985	ALL	404982.9	3777906	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04
986	ALL	405002.9	3777906	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04
987	ALL	405022.9	3777906	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04
988	ALL	405042.9	3777906	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04
989	ALL	405062.9	3777906	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04
990	ALL	405082.9	3777906	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04

991	ALL	405102.9	3777906	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04
992	ALL	405122.9	3777906	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-04
993	ALL	405142.9	3777906	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04
994	ALL	405162.9	3777906	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-04
995	ALL	405182.9	3777906	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-04
996	ALL	405202.9	3777906	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-04
997	ALL	405222.9	3777906	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-04
998	ALL	405242.9	3777906	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-04
999	ALL	405262.9	3777906	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-04
1000	ALL	405282.9	3777906	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-04
1001	ALL	405302.9	3777906	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-04
1002	ALL	405322.9	3777906	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-04
1003	ALL	405342.9	3777906	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-04
1004	ALL	405362.9	3777906	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-04
1005	ALL	405382.9	3777906	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-04
1006	ALL	405402.9	3777906	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.86E-04
1007	ALL	405422.9	3777906	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-04
1008	ALL	405442.9	3777906	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.84E-04
1009	ALL	405462.9	3777906	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.33E-04
1010	ALL	405482.9	3777906	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E-04
1011	ALL	405502.9	3777906	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03
1012	ALL	405522.9	3777906	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03
1013	ALL	405542.9	3777906	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03
1014	ALL	405562.9	3777906	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03
1015	ALL	405582.9	3777906	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03
1016	ALL	405602.9	3777906	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03
1017	ALL	405622.9	3777906	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03
1018	ALL	405642.9	3777906	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03
1019	ALL	405662.9	3777906	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03
1020	ALL	405682.9	3777906	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03
1021	ALL	405702.9	3777906	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03
1022	ALL	405722.9	3777906	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03
1023	ALL	405742.9	3777906	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03
1024	ALL	405762.9	3777906	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.91E-04
1025	ALL	405782.9	3777906	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-04
1026	ALL	405802.9	3777906	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-04
1027	ALL	405822.9	3777906	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.54E-04
1028	ALL	405842.9	3777906	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-04
1029	ALL	404922.9	3777926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04
1030	ALL	404942.9	3777926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04
1031	ALL	404962.9	3777926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04
1032	ALL	404982.9	3777926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04
1033	ALL	405002.9	3777926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04
1034	ALL	405022.9	3777926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04
1035	ALL	405042.9	3777926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04
1036	ALL	405062.9	3777926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04
1037	ALL	405082.9	3777926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-04
1038	ALL	405102.9	3777926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04
1039	ALL	405122.9	3777926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-04
1040	ALL	405142.9	3777926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04
1041	ALL	405162.9	3777926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-04
1042	ALL	405182.9	3777926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-04
1043	ALL	405202.9	3777926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-04
1044	ALL	405222.9	3777926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-04
1045	ALL	405242.9	3777926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-04

1046	ALL	405262.9	3777926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-04
1047	ALL	405282.9	3777926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-04
1048	ALL	405302.9	3777926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-04
1049	ALL	405322.9	3777926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-04
1050	ALL	405342.9	3777926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-04
1051	ALL	405362.9	3777926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.45E-04
1052	ALL	405382.9	3777926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-04
1053	ALL	405402.9	3777926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-04
1054	ALL	405422.9	3777926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.11E-04
1055	ALL	405442.9	3777926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-04
1056	ALL	405462.9	3777926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03
1057	ALL	405482.9	3777926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03
1058	ALL	405502.9	3777926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03
1059	ALL	405522.9	3777926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03
1060	ALL	405542.9	3777926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03
1061	ALL	405562.9	3777926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-03
1062	ALL	405582.9	3777926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-03
1063	ALL	405602.9	3777926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03
1064	ALL	405782.9	3777926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03
1065	ALL	405802.9	3777926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03
1066	ALL	404922.9	3777946	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04
1067	ALL	404942.9	3777946	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04
1068	ALL	404962.9	3777946	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04
1069	ALL	404982.9	3777946	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04
1070	ALL	405002.9	3777946	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04
1071	ALL	405022.9	3777946	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04
1072	ALL	405042.9	3777946	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04
1073	ALL	405062.9	3777946	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04
1074	ALL	405082.9	3777946	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04
1075	ALL	405102.9	3777946	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-04
1076	ALL	405122.9	3777946	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-04
1077	ALL	405142.9	3777946	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-04
1078	ALL	405162.9	3777946	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-04
1079	ALL	405182.9	3777946	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-04
1080	ALL	405202.9	3777946	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-04
1081	ALL	405222.9	3777946	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-04
1082	ALL	405242.9	3777946	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-04
1083	ALL	405262.9	3777946	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-04
1084	ALL	405282.9	3777946	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-04
1085	ALL	405302.9	3777946	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-04
1086	ALL	405322.9	3777946	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.91E-04
1087	ALL	405342.9	3777946	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-04
1088	ALL	405362.9	3777946	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-04
1089	ALL	405382.9	3777946	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.62E-04
1090	ALL	405402.9	3777946	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-04
1091	ALL	405422.9	3777946	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-04
1092	ALL	405442.9	3777946	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03
1093	ALL	405462.9	3777946	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03
1094	ALL	405482.9	3777946	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03
1095	ALL	405502.9	3777946	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-03
1096	ALL	405522.9	3777946	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03
1097	ALL	405542.9	3777946	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03
1098	ALL	405562.9	3777946	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-03
1099	ALL	405582.9	3777946	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-03
1100	ALL	405602.9	3777946	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-03

1101	ALL	404922.9	3777966	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04
1102	ALL	404942.9	3777966	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04
1103	ALL	404962.9	3777966	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04
1104	ALL	404982.9	3777966	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04
1105	ALL	405002.9	3777966	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04
1106	ALL	405022.9	3777966	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04
1107	ALL	405042.9	3777966	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04
1108	ALL	405062.9	3777966	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04
1109	ALL	405082.9	3777966	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-04
1110	ALL	405102.9	3777966	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-04
1111	ALL	405122.9	3777966	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04
1112	ALL	405142.9	3777966	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04
1113	ALL	405162.9	3777966	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-04
1114	ALL	405182.9	3777966	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-04
1115	ALL	405202.9	3777966	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-04
1116	ALL	405222.9	3777966	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-04
1117	ALL	405242.9	3777966	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-04
1118	ALL	405262.9	3777966	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-04
1119	ALL	405282.9	3777966	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-04
1120	ALL	405302.9	3777966	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.80E-04
1121	ALL	405322.9	3777966	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.35E-04
1122	ALL	405342.9	3777966	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-04
1123	ALL	405362.9	3777966	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-04
1124	ALL	405382.9	3777966	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-04
1125	ALL	405402.9	3777966	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03
1126	ALL	405422.9	3777966	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03
1127	ALL	405442.9	3777966	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03
1128	ALL	405462.9	3777966	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03
1129	ALL	405482.9	3777966	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03
1130	ALL	405502.9	3777966	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-03
1131	ALL	405522.9	3777966	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-03
1132	ALL	405542.9	3777966	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-03
1133	ALL	405562.9	3777966	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-03
1134	ALL	405582.9	3777966	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-03
1135	ALL	405602.9	3777966	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-03
1136	ALL	404922.9	3777986	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04
1137	ALL	404942.9	3777986	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04
1138	ALL	404962.9	3777986	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04
1139	ALL	404982.9	3777986	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04
1140	ALL	405002.9	3777986	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04
1141	ALL	405022.9	3777986	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04
1142	ALL	405042.9	3777986	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04
1143	ALL	405062.9	3777986	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-04
1144	ALL	405082.9	3777986	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-04
1145	ALL	405102.9	3777986	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-04
1146	ALL	405122.9	3777986	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-04
1147	ALL	405142.9	3777986	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-04
1148	ALL	405162.9	3777986	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-04
1149	ALL	405182.9	3777986	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-04
1150	ALL	405202.9	3777986	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-04
1151	ALL	405222.9	3777986	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-04
1152	ALL	405242.9	3777986	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-04
1153	ALL	405262.9	3777986	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-04
1154	ALL	405282.9	3777986	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-04
1155	ALL	405302.9	3777986	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-04

1156	ALL	405322.9	3777986	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-04
1157	ALL	405342.9	3777986	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.49E-04
1158	ALL	405362.9	3777986	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.25E-04
1159	ALL	405382.9	3777986	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03
1160	ALL	405402.9	3777986	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03
1161	ALL	405422.9	3777986	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03
1162	ALL	405442.9	3777986	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03
1163	ALL	405462.9	3777986	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-03
1164	ALL	404922.9	3778006	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04
1165	ALL	404942.9	3778006	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04
1166	ALL	404962.9	3778006	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04
1167	ALL	404982.9	3778006	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04
1168	ALL	405002.9	3778006	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04
1169	ALL	405022.9	3778006	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04
1170	ALL	405042.9	3778006	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04
1171	ALL	405062.9	3778006	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04
1172	ALL	405082.9	3778006	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04
1173	ALL	405102.9	3778006	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04
1174	ALL	405122.9	3778006	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-04
1175	ALL	405142.9	3778006	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-04
1176	ALL	405162.9	3778006	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-04
1177	ALL	405182.9	3778006	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-04
1178	ALL	405202.9	3778006	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-04
1179	ALL	405222.9	3778006	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-04
1180	ALL	405242.9	3778006	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-04
1181	ALL	405262.9	3778006	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-04
1182	ALL	405282.9	3778006	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-04
1183	ALL	405302.9	3778006	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-04
1184	ALL	405322.9	3778006	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.29E-04
1185	ALL	405342.9	3778006	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-04
1186	ALL	405362.9	3778006	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-04
1187	ALL	405382.9	3778006	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03
1188	ALL	405402.9	3778006	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03
1189	ALL	405422.9	3778006	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-03
1190	ALL	405442.9	3778006	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-03
1191	ALL	405462.9	3778006	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-03
1192	ALL	404922.9	3778026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04
1193	ALL	404942.9	3778026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04
1194	ALL	404962.9	3778026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04
1195	ALL	404982.9	3778026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04
1196	ALL	405002.9	3778026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04
1197	ALL	405022.9	3778026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04
1198	ALL	405042.9	3778026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04
1199	ALL	405062.9	3778026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04
1200	ALL	405082.9	3778026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04
1201	ALL	405102.9	3778026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-04
1202	ALL	405122.9	3778026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-04
1203	ALL	405142.9	3778026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-04
1204	ALL	405162.9	3778026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-04
1205	ALL	405182.9	3778026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-04
1206	ALL	405202.9	3778026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-04
1207	ALL	405222.9	3778026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-04
1208	ALL	405242.9	3778026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-04
1209	ALL	405262.9	3778026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-04
1210	ALL	405282.9	3778026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-04

1211	ALL	405302.9	3778026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-04
1212	ALL	405322.9	3778026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-04
1213	ALL	405342.9	3778026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.67E-04
1214	ALL	405362.9	3778026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03
1215	ALL	405382.9	3778026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03
1216	ALL	405402.9	3778026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03
1217	ALL	405422.9	3778026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-03
1218	ALL	405442.9	3778026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-03
1219	ALL	405462.9	3778026	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-03
1220	ALL	404922.9	3778046	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04
1221	ALL	404942.9	3778046	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04
1222	ALL	404962.9	3778046	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04
1223	ALL	404982.9	3778046	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04
1224	ALL	405002.9	3778046	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04
1225	ALL	405022.9	3778046	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04
1226	ALL	405042.9	3778046	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04
1227	ALL	405062.9	3778046	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-04
1228	ALL	405082.9	3778046	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-04
1229	ALL	405102.9	3778046	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04
1230	ALL	405122.9	3778046	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-04
1231	ALL	405142.9	3778046	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-04
1232	ALL	405162.9	3778046	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-04
1233	ALL	405182.9	3778046	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-04
1234	ALL	405202.9	3778046	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-04
1235	ALL	405222.9	3778046	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-04
1236	ALL	405242.9	3778046	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-04
1237	ALL	405262.9	3778046	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-04
1238	ALL	405282.9	3778046	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-04
1239	ALL	405302.9	3778046	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-04
1240	ALL	405322.9	3778046	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-04
1241	ALL	405342.9	3778046	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03
1242	ALL	405362.9	3778046	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03
1243	ALL	405382.9	3778046	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03
1244	ALL	405402.9	3778046	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-03
1245	ALL	405422.9	3778046	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-03
1246	ALL	405442.9	3778046	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-03
1247	ALL	405462.9	3778046	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-03
1248	ALL	404922.9	3778066	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04
1249	ALL	404942.9	3778066	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04
1250	ALL	404962.9	3778066	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04
1251	ALL	404982.9	3778066	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04
1252	ALL	405002.9	3778066	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04
1253	ALL	405022.9	3778066	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04
1254	ALL	405042.9	3778066	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-04
1255	ALL	405062.9	3778066	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04
1256	ALL	405082.9	3778066	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-04
1257	ALL	405102.9	3778066	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04
1258	ALL	405122.9	3778066	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-04
1259	ALL	405142.9	3778066	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-04
1260	ALL	405162.9	3778066	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-04
1261	ALL	405182.9	3778066	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-04
1262	ALL	405202.9	3778066	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-04
1263	ALL	405222.9	3778066	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-04
1264	ALL	405242.9	3778066	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-04
1265	ALL	405262.9	3778066	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-04

1266	ALL	405282.9	3778066	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-04
1267	ALL	405302.9	3778066	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-04
1268	ALL	405322.9	3778066	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-04
1269	ALL	405342.9	3778066	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03
1270	ALL	405362.9	3778066	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03
1271	ALL	405382.9	3778066	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03
1272	ALL	405402.9	3778066	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-03
1273	ALL	405422.9	3778066	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-03
1274	ALL	405442.9	3778066	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-03
1275	ALL	405462.9	3778066	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-03
1276	ALL	404922.9	3778086	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04
1277	ALL	404942.9	3778086	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04
1278	ALL	404962.9	3778086	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04
1279	ALL	404982.9	3778086	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04
1280	ALL	405002.9	3778086	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04
1281	ALL	405022.9	3778086	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04
1282	ALL	405042.9	3778086	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04
1283	ALL	405062.9	3778086	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04
1284	ALL	405082.9	3778086	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-04
1285	ALL	405102.9	3778086	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-04
1286	ALL	405122.9	3778086	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-04
1287	ALL	405142.9	3778086	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-04
1288	ALL	405162.9	3778086	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-04
1289	ALL	405182.9	3778086	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-04
1290	ALL	405202.9	3778086	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-04
1291	ALL	405222.9	3778086	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-04
1292	ALL	405242.9	3778086	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-04
1293	ALL	405262.9	3778086	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.54E-04
1294	ALL	405282.9	3778086	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-04
1295	ALL	405302.9	3778086	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-04
1296	ALL	405322.9	3778086	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03
1297	ALL	405342.9	3778086	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03
1298	ALL	405362.9	3778086	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03
1299	ALL	405382.9	3778086	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-03
1300	ALL	405402.9	3778086	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-03
1301	ALL	405422.9	3778086	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-03
1302	ALL	405442.9	3778086	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-03
1303	ALL	405462.9	3778086	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-03
1304	ALL	404917.7	3778096	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04
1305	ALL	405475.7	3778102	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-03
1306	ALL	405479.5	3777969	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03
1307	ALL	405613.9	3777970	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-03
1308	ALL	405621.5	3777920	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-03
1309	ALL	405768.6	3777919	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03
1310	ALL	405777.5	3777938	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03
1311	ALL	405908.1	3777882	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-04
1312	ALL	406116.1	3777817	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04
1313	ALL	406198.5	3777787	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04
1314	ALL	406199.8	3777568	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04
1315	ALL	404921.5	3777569	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04

Appendix D-1

Built Environment Inventory and Evaluation Report, prepared by Dudek

Built Environment Inventory and Evaluation Report

Derby Mixed Use Project City Of Arcadia, California

JUNE 2023

Prepared for:

TOP COMMERCIAL REALTY, INC.
100 W. Lemon Avenue, Suite 101
Monrovia, California 91016
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Prepared by:

DUDEK

38 North Marengo Avenue
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Printed on 30% post-consumer recycled material.

Table of Contents

SECTION **PAGE NO.**

Executive Summary iii

1 Introduction 1
- 1.1 Project Location and Description 1
- 1.2 Project Personnel 7
- 1.3 Regulatory Setting 7

2 Background Research 15
- 2.1 CHRIS Records Search 15
- 2.2 Building Development and Archival Research 15
- 2.3 Additional Documentation 16

3 Historic Context 17
- 3.1 Historical Overview of the City of Arcadia and its Downtown Commercial Core 17
- 3.2 History of Buildings within the Project site 21
- 3.3 Architectural Styles in the Project Site 23
- 3.4 Property Type in the Project Site 24

4 Field Survey 27
- 4.1 Methods 27
- 4.2 Results 27

5 Significance Evaluations 29
- 5.1 The Derby Restaurant, 233 E. Huntington Drive, (APN 5773-009-070) 29

6 Findings and Conclusions 38
- 6.1 Summary of Findings 38
- 6.2 Recommendations 38

7 Bibliography 40

TABLES

1 Historical Aerial Photograph Review of Project site 21

2 Historic Built Environment Findings 38

FIGURES

1 Regional Location 3

2 Project site 5

3 Bird's Eye View of Arcadia and the Santa Anita Tract, 1888; Santa Anita Avenue is the tree-lined north-south road in the center of the image (California State Library) 18
4 Barracks to house Japanese internees at the Santa Anita Park Racetrack, 1942 (Los Angeles Public Library) 20
5 A 1950 newspaper advertisement for The Derby Restaurant (Monrovia News-Post 1950) 23
6 The Derby Restaurant: South (primary) elevation, view looking northeast (IMG_0622) 30
7 The Derby Restaurant: South (primary) elevation, view looking north (IMG_0625) 30
8 The Derby Restaurant: East elevation, view looking northwest (IMG_0566) 31
9 The Derby Restaurant: North (rear) elevation, view looking southwest (IMG_0578) 31
10 The Derby Restaurant: West elevation, view looking northeast (IMG_0594) 32
11 The Derby Restaurant: West view of a freestanding sign along E. Huntington Drive (IMG_0564) 32
12 The Derby Restaurant: West view a freestanding sign along E. Huntington Drive (IMG_0599) 33
13 A photo of the façade of The Derby Restaurant circa late 1930s when the restaurant exhibited its original Spanish Colonial Revival style, original signage, and oak tree fronting the property (Arcadia Historical Society 2008). 34
14 The façade of The Derby Restaurant in 2022 showing the altered façade since the 1930s, and the removal of original signage and the oak tree fronting the property (IMG_0625) 34

Executive Summary

Dudek was retained by Top Commercial Realty, Inc. to prepare a Built Environment Inventory and Evaluation Report for the proposed Derby Mixed-Use Project in the City of Arcadia, California (proposed Project). This report includes the results of a California Historical Resources Information System (CHRIS) records search; intensive-level survey of the proposed Project site and its vicinity (Project site) by a qualified architectural historian; building development and archival research; development of an appropriate historic context for the Project site; and recordation and evaluation of one built environment resource over 45 years old for historical significance and integrity in consideration of National Register of Historic Places (NRHP), California Register of Historical Resources (CRHR), and local designation criteria and integrity requirements. This report was prepared in conformance with California Environmental Quality Act (CEQA) Guidelines Section 15064.5 for historical resources, 21083.2 for archaeological resources, and all applicable local guidelines and regulations.

A CHRIS records search was completed by staff at the South Central Coastal Information Center (SCCIC) on January 13, 2022. One of these previous investigations overlaps the Project site, but none of the properties on the Project site were mentioned in the report; and no cultural resources were identified within the Project site as a result of the overlapping studies.

The built environment survey was conducted on January 5, 2022. The survey was conducted on foot and involved surveying properties within or immediately adjacent to the Project site and recording all buildings and structures with notes and photographs. For the purposes of this Project, the Project site is the location of the project and properties within it. Two (2) properties were located within the Project site: 233 E. Huntington Drive and 301 E. Huntington Drive (Figures 1 and 2). One (1) property over 45 years of age was identified within the Project site and evaluated for historical and architectural significance.

Evaluated

- The Derby - 233 E. Huntington Drive, APN 5773-009-070 – Built 1931

Not Evaluated

- Souplantation - 301 E. Huntington Drive, APN 5773-009-065 – Built 1988

The Souplantation restaurant building at 301 E. Huntington Drive, was built in 1988 and did not meet the 45-year threshold for evaluation. After research and evaluation, The Derby restaurant (233 E. Huntington Drive, APN 5773-009-070) does not appear to meet any NRHP, CRHR, or City of Arcadia landmark designation criteria. A detailed evaluation of The Derby restaurant is provided Section 5 of this Report.

In summary, as a result of Dudek's extensive archival research, field survey, record search, and property significance evaluations, no historical resources were identified within the Project site, nor were any adjacent cultural resources identified that could be indirectly impacted by proposed Project activities. Therefore, neither of the two properties in the Project site are considered historical resources for the purposes of CEQA. The finding for built environment cultural resources for the proposed Project under CEQA is No Impact. As the proposed Project would have no impact on historical resources, no further study is required.

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1 Introduction

Dudek was retained by Top Commercial Realty, Inc. to prepare a Built Environment Inventory and Evaluation Report for the proposed Derby Mixed Use Project in the City of Arcadia, California (proposed Project). This report includes the results of a California Historical Resources Information System (CHRIS) records search; intensive-level survey of the Project site by a qualified architectural historian; building development and archival research; development of an appropriate historic context for the Project site; and recordation and evaluation of one built environment resource over 45 years old for historical significance and integrity in consideration of National Register of Historic Places (NRHP), California Register of Historical Resources (CRHR), and City of Arcadia landmark designation criteria and integrity requirements. This report was prepared in conformance with California Environmental Quality Act (CEQA) Guidelines Section 15064.5 for historical resources.

The Project site includes two parcels that total 2.23 gross acres. The Project site is currently occupied by two restaurant buildings at 233 E. Huntington Drive and 301 E. Huntington Drive, and a surface parking lot. The proposed Project proposes to construct a six-story mixed-use project, with a newly constructed restaurant (The Derby Restaurant) attached to a six-story residential building containing a total of 204 units.

1.1 Project Location and Description

Project Location

The Project site is located within a commercial district on the north side of Huntington Drive at its intersection with Gateway Drive just east of Arcadia's Central Business District. The site is flanked to the north and west with two hotels that have height overlays of five and seven stories, respectively. To the south and west are parking lot-fronted shopping centers of the strip typology.

The Project site is located on two parcels in the City of Arcadia at 233 E. Huntington Drive (APN 5773-009-070, The Derby Restaurant) and 301 E. Huntington Drive (APN 5773-009-065, Souplantation). The Project site is bound by Hampton Inn Hotel and parking lot to the north, E. Huntington Drive to the south, Gateway Drive to the east, and the Embassy Suites Hotel to the west. The Project site encompasses approximately 2.23 gross acres, as shown in Figure 2. Project Site Map.

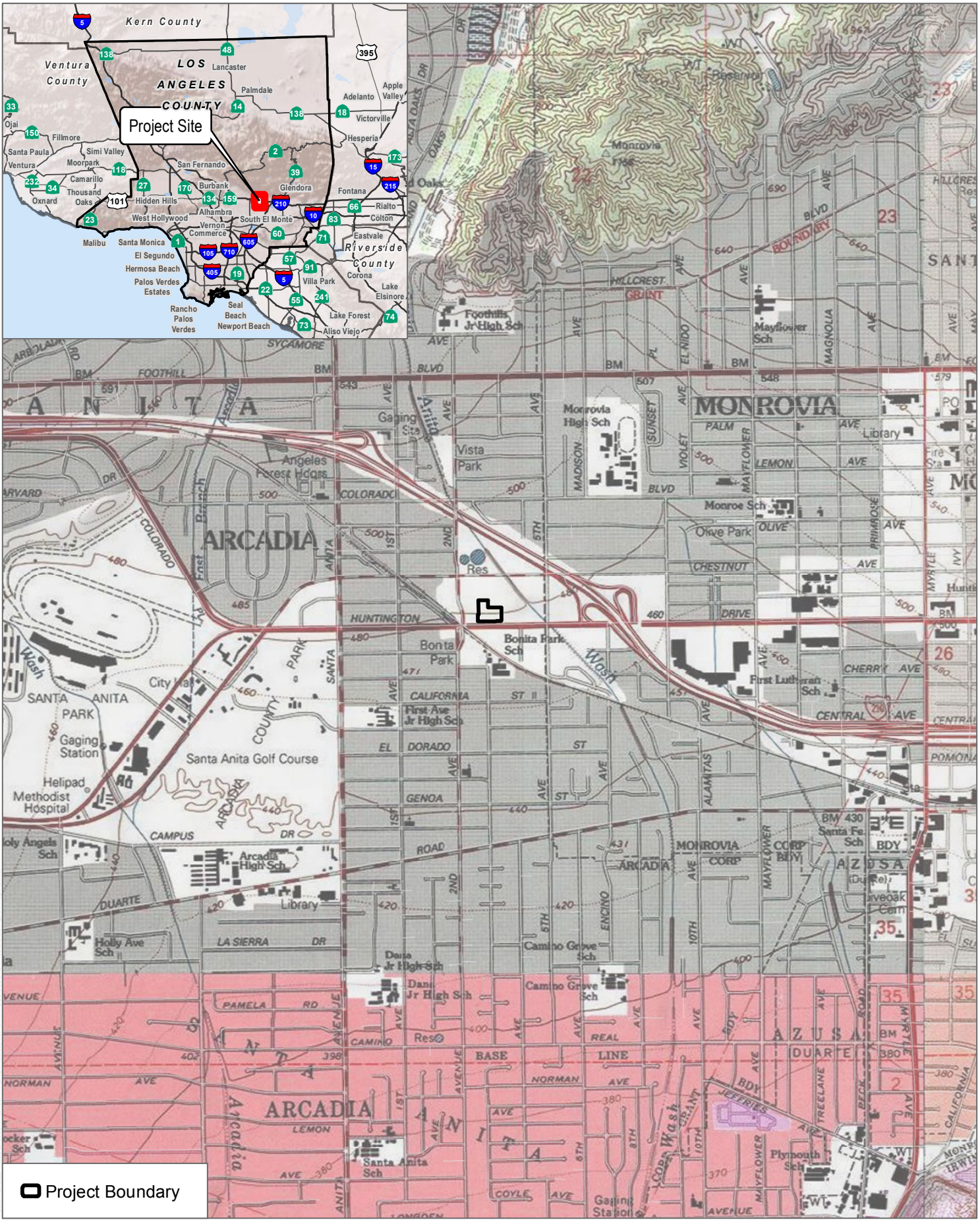
Project Description

The Derby Restaurant ownership desires to create a new mixed-use project that would include six stories of housing on upper levels alongside a larger The Derby Restaurant and second story indoor/outdoor lounge as its centerpiece along with another new restaurant and a café, both fronting E. Huntington Drive.

The expanded restaurant would include some distinctive historical elements of the restaurant including the classic red booths and horseracing memorabilia while adding new elements including a covered porte-cochere for inclement weather, a distinctive horseshoe-shaped lounge bar, an indoor-outdoor second-story bar, and dining area, and an expanded memorabilia collection (heretofore referred to as The Derby Centennial Collection) display area and restrooms that meet current standards. Of critical importance would be the expansion and modernization of kitchen and service areas.

The gabled roof forms of the existing The Derby Restaurant would be reinterpreted and simplified, and the new Derby would front both E. Huntington Drive and a nearly 10,000 square foot European inspired courtyard space surrounded on three sides by activated building masses of varying heights. A café space opposite The Derby Restaurant—and fronting the courtyard and street—would provide complementary pedestrian activity. Mostly continuous retail and residential frontage with a covered passageway to hidden parking would complete the relationship to E. Huntington Drive and Gateway Drive. The six-story building massing fronting E. Huntington Drive would step back approximately 30 feet at the fifth and sixth floors to provide a landscaped residential pool and amenity space. Along the Gateway Drive frontage, the massing would terrace back from the frontage several times as well include a 50-foot by 55-foot ground level landscaped vehicular entry courtyard.

Balconies, both recessed and protruding would be organized on each frontage to enhance the building's rhythms and focal points, and cornices will be provided to mark important areas.



SOURCE: USGS 7.5-Minute Series Mt Wilson Quadrangle
Township 1N; Range 11W; Section 27

DUDEK

0 1,000 2,000 Feet

FIGURE 1

Regional Location

Built Environment Inventory and Evaluation Report for the Derby Mixed Use Project

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SOURCE: Bing Maps 2020; CAMS 2011

DUDEK

0 100 200 Feet

FIGURE 2

Project Site

Built Environment Inventory and Evaluation Report for the Derby Mixed Use Project

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1.2 Project Personnel

Dudek Architectural Historian Andrew Bursan, MCRP, prepared this report and associated property significance evaluations in February of 2022. This report was reviewed for quality assurance/quality control by Historic Built Environment Lead Sarah Corder, MFA. In June of 2023, this report was reviewed by Dudek Senior Architectural Historian, Kathryn Haley, MA. Ms. Haley's contributions were limited to editorial clarifications regarding the evaluation recommendation for The Derby restaurant primarily in Section 2.3 and Section 5 of this Report. The original February 2022 findings presented by the original authors were not changed. All Dudek architectural historian staff meet the Secretary of the Interior's professional qualifications standards for architectural historian. Staff also meet the professional qualifications standards for architectural history in accordance with the City's regulations. Resumes for all key personnel are provided in Appendix A.

1.3 Regulatory Setting

Federal

National Register of Historic Places

While there is no federal nexus for this project, the subject properties were evaluated in consideration of NRHP designation criteria. The NRHP is the United States' official list of districts, sites, buildings, structures, and objects worthy of preservation. Overseen by the National Park Service, under the U.S. Department of the Interior, the NRHP was authorized under the National Historic Preservation Act, as amended. Its listings encompass all National Historic Landmarks, as well as historic areas administered by the National Park Service.

NRHP guidelines for the evaluation of historic significance were developed to be flexible and to recognize the accomplishments of all who have made significant contributions to the nation's history and heritage. Its criteria are designed to guide state and local governments, federal agencies, and others in evaluating potential entries in the NRHP. For a property to be listed in or determined eligible for listing, it must be demonstrated to possess integrity and to meet at least one of the following criteria:

The quality of significance in American history, architecture, archaeology, engineering, and culture is present in districts, sites, buildings, structures, and objects that possess integrity of location, design, setting, materials, workmanship, feeling, and association, and:

A. That are associated with events that have made a significant contribution to the broad patterns of our history; or
B. That are associated with the lives of persons significant in our past; or
C. That embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction; or
D. That have yielded, or may be likely to yield, information important in prehistory or history.

Integrity is defined in NRHP guidance, "How to Apply the National Register Criteria," as "the ability of a property to convey its significance. To be listed in the NRHP, a property must not only be shown to be significant under the NRHP criteria, but it also must have integrity" (Andrus and Shrimpton 2002). NRHP guidance further asserts that properties be

completed at least 50 years ago to be considered for eligibility. Properties completed fewer than 50 years before evaluation must be proven to be "exceptionally important" (criteria consideration to be considered for listing.

State

California Register of Historical Resources

In California, the term "historical resource" includes but is not limited to "any object, building, structure, site, area, place, record, or manuscript which is historically or archaeologically significant, or is significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California" (California Public Resources Code Section 5020.1(j)). In 1992, the California legislature established the CRHR "to be used by state and local agencies, private groups, and citizens to identify the state's historical resources and to indicate what properties are to be protected, to the extent prudent and feasible, from substantial adverse change" (California Public Resources Code Section 5024.1(a)). The criteria for listing resources on the CRHR were expressly developed to be in accordance with previously established criteria developed for listing in the NRHP, enumerated below. According to California Public Resources Code Section 5024.1(c)(1–4), a resource is considered historically significant if it (i) retains "substantial integrity," and (ii) meets at least one of the following criteria:

1. Is associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage.
2. Is associated with the lives of persons important in our past.
3. Embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual, or possesses high artistic values.
4. Has yielded, or may be likely to yield, information important in prehistory or history.

In order to understand the historic importance of a resource, sufficient time must have passed to obtain a scholarly perspective on the events or individuals associated with the resource. A resource less than 50 years old may be considered for listing in the CRHR if it can be demonstrated that sufficient time has passed to understand its historical importance (see 14 CCR 4852(d)(2)).

The CRHR protects cultural resources by requiring evaluations of the significance of prehistoric and historic resources. The criteria for the CRHR are nearly identical to those for the NRHP, and properties listed or formally designated as eligible for listing in the NRHP are automatically listed in the CRHR, as are the state landmarks and points of interest. The CRHR also includes properties designated under local ordinances or identified through local historical resource surveys.

California Environmental Quality Act

As described further below, the following CEQA statutes and CEQA Guidelines are of relevance to the analysis of archaeological, historic, and tribal cultural resources:

- California Public Resources Code Section 21083.2(g) defines "unique archaeological resource."
- California Public Resources Code Section 21084.1 and CEQA Guidelines Section 15064.5(a) define "historical resources." In addition, CEQA Guidelines Section 15064.5(b) defines the phrase "substantial adverse change in the significance of an historical resource." It also defines the circumstances when a project would materially impair the significance of an historical resource.

- California Public Resources Code Section 21074(a) defines "tribal cultural resources."
- California Public Resources Code Section 5097.98 and CEQA Guidelines Section 15064.5(e) set forth standards and steps to be employed following the accidental discovery of human remains in any location other than a dedicated ceremony.
- California Public Resources Code Sections 21083.2(b)-(c) and CEQA Guidelines Section 15126.4 provide information regarding the mitigation framework for archaeological and historic resources, including examples of preservation-in-place mitigation measures; preservation-in-place is the preferred manner of mitigating impacts to significant archaeological sites because it maintains the relationship between artifacts and the archaeological context and may also help avoid conflict with religious or cultural values of groups associated with the archaeological site(s).

More specifically, under CEQA, a project may have a significant effect on the environment if it may cause "a substantial adverse change in the significance of an historical resource" (California Public Resources Code Section 21084.1; CEQA Guidelines Section 15064.5(b).) If a site is either listed or eligible for listing in the CRHR, or if it is included in a local register of historic resources or identified as significant in a historical resources survey (meeting the requirements of California Public Resources Code Section 5024.1(q)), it is a "historical resource" and is presumed to be historically or culturally significant for purposes of CEQA (California Public Resources Code Section 21084.1; CEQA Guidelines Section 15064.5(a)). The lead agency is not precluded from determining that a resource is a historical resource even if it does not fall within this presumption (California Public Resources Code Section 21084.1; CEQA Guidelines Section 15064.5(a)).

A "substantial adverse change in the significance of an historical resource" reflecting a significant effect under CEQA means "physical demolition, destruction, relocation, or alteration of the resource or its immediate surroundings such that the significance of an historical resource would be materially impaired" (CEQA Guidelines Section 15064.5(b)(1); California Public Resources Code Section 5020.1(q)). In turn, CEQA Guidelines section 15064.5(b)(2) states the significance of an historical resource is materially impaired when a project:

1. Demolishes or materially alters in an adverse manner those physical characteristics of an historical resource that convey its historical significance and that justify its inclusion in, or eligibility for, inclusion in the California Register of Historical Resources; or
2. Demolishes or materially alters in an adverse manner those physical characteristics that account for its inclusion in a local register of historical resources pursuant to section 5020.1(k) of the Public Resources Code or its identification in an historical resources survey meeting the requirements of section 5024.1(g) of the Public Resources Code, unless the public agency reviewing the effects of the project establishes by a preponderance of evidence that the resource is not historically or culturally significant; or
3. 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 inclusion in the California Register of Historical Resources as determined by a lead agency for purposes of CEQA.

Pursuant to these sections, the CEQA inquiry begins with evaluating whether a Project site contains any "historical resources," then evaluates whether that project will cause a substantial adverse change in the significance of a historical resource such that the resource's historical significance is materially impaired.

If it can be demonstrated that a project will cause damage to a unique archaeological resource, the lead agency may require reasonable efforts be made to permit any or all of these resources to be preserved in place or left in

an undisturbed state. To the extent that they cannot be left undisturbed, mitigation measures are required (California Public Resources Code Section 21083.2[a], [b], and [c]).

California Public Resources Code Section 21083.2(g) defines a unique archaeological resource as an 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:

1. Contains information needed to answer important scientific research questions and that there is a demonstrable public interest in that information.
2. Has a special and particular quality such as being the oldest of its type or the best available example of its type.
3. Is directly associated with a scientifically recognized important prehistoric or historic event or person.

Impacts to non-unique archaeological resources are generally not considered a significant environmental impact (California Public Resources Code section 21083.2(a); CEQA Guidelines Section 15064.5(c)(4)). However, if a non-unique archaeological resource qualifies as tribal cultural resource (California Public Resources Code Section 21074(c), 21083.2(h)), further consideration of significant impacts is required. CEQA Guidelines Section 15064.5 assigns special importance to human remains and specifies procedures to be used when Native American remains are discovered. As described below, these procedures are detailed in California Public Resources Code Section 5097.98.

Local

City of Arcadia Historic Preservation Ordinance (Ordinance No. 2359, Article IX. Chapter 1, Division 3, Section 9103.17)

The City of Arcadia adopted a historic preservation ordinance in April 2019, based on the City's 2015 decision to conduct a Citywide Historic Resources Survey and consistent with the City of Arcadia General Plan elements which proposed to preserve elements of Arcadia's physical community. Below, the applicable portions of the ordinance are excerpted:

9103.17.020 – Purpose

The Arcadia City Council acknowledges that the recognition, preservation, protection, and reuse of historic resources are required in the interests of the health, prosperity, safety, social and cultural enrichment, general welfare, and economic well-being of the people of Arcadia. The designation and preservation of historic resources, and the regulation of alterations, additions, repairs, removal, demolition, or new construction to perpetuate the historic character of historic resources, is declared to be a public purpose of the city.

Therefore, the purposes of this Chapter include the following:

A. Enabling informed planning decisions regarding the treatment of properties that contribute to the city's character or reflect its historical and architectural development;
B. Establishing priorities for preservation, restoration, and rehabilitation efforts within the city;
C. Providing City planners with baseline information about potential historic resources from which to manage new development;
D. Safeguarding Arcadia's heritage by protecting resources that reflect elements of the city's cultural, social, economic, architectural, and archaeological history;

E. Deterring demolition, misuse, or neglect of designated historic landmarks, designated historic districts (and their contributing resources), and potential historic landmarks, which represent important links to the past of Arcadia, California, or the nation;

F. Providing the public with a better understanding of and appreciation for the built environment as a tangible link to Arcadia's history;

G. Promoting the use of historic resources, especially for the education, appreciation, and general welfare of the people of Arcadia;

H. Protecting and enhancing the city's attractiveness to residents and visitors, and supporting economic development.

9103.17.060 - Local Eligibility and Designation Criteria.

A. Criteria for Designation.

Historic Landmark. On the recommendation of the Commission, the City Council may designate an individual resource (building, structure, object, or site) if it meets one or more of the following local eligibility criteria:

1. It is associated with events that have made a significant contribution to the broad patterns of Arcadia's or California's history;
2. It is associated with the lives of persons important to local or California history;
3. It embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of master, or possesses high artistic values;
4. It has yielded, or has the potential to yield, information important to the prehistory or history of the city or state.

In addition to the requirements listed as 1. through 4. above in this section, an individual resource must satisfy at least one of the following requirements:

5. It is listed on the National and/or California Register of Historic Places; or

6. It is an iconic property.

Historic District. On the recommendation of the Commission, the City Council may designate a historic district if it meets one or more of the four criteria in Section 9103.17.060(A) and:

1. It possesses a significant concentration, linkage, or continuity of sites, buildings, structures, or objects united historically or aesthetically by plan or physical development.
2. A minimum of 60 percent of the buildings within the proposed historic district contribute to the district's significance.

B. Automatic Consideration. Any property individually listed in the National Register of Historic Places or California Register of Historical Resources shall be automatically considered designated historic resource by the City.

C. Considerations for Evaluating Properties - Age. A resource considered for listing as a local historic landmark must be at least 45 years of age, unless it can be demonstrated that the resource has achieved exceptional importance within the last 45 years.

D. **Consideration for Evaluating Properties - Integrity.** In order for a resource to be eligible for designation as a local landmark or historic district, the resource must retain sufficient integrity. Integrity is the authenticity of a historical resource's physical identity as evidenced by the survival of characteristics that existed during the time period within which the resource attained significance. Only after significance has been established should the issue of integrity be addressed. There are seven aspects of integrity, as defined by the National Register: location, design, setting, materials, workmanship, feeling, and association. Since significance thresholds associated with local listing are generally less rigid than those associated with listing at the state or national levels, a greater degree of flexibility shall be provided when evaluating the integrity of a locally eligible historic resource, as opposed to one eligible for listing in the National or California Registers. For this reason, it is possible that a historic resource may not retain sufficient integrity to be eligible for listing in the National or California Registers, but may still be eligible for listing at the local level. Integrity shall be determined with reference to the particular characteristics that support the resource's eligibility under the appropriate criteria of significance.

City of Arcadia General Plan 2010 (City of Arcadia General Plan, Section 7.0 Parks, Recreation, and Community Resources Element)

The 2010 Arcadia General Plan enumerates a series of policies designed to protect and preserve cultural resources (City of Arcadia 2010a). Though the City does not have a preservation ordinance, the General Plan recommends potential city landmarks meet the following criteria:

- It exemplifies or reflects the broad cultural, political, economic or social history of the U.S., California, or City of Arcadia.
- It has yielded or has the potential to yield information in history or prehistory.
- It is representative of one of the diverse styles and variations of residential and commercial architecture found in Arcadia, whether vernacular or a work of identifiable artisans, master craftsmen, builder, or architects important locally or with wider significance.
- It is an object of significance because of its design or pleasing appearance in a setting.
- It is a site or structure that is important to the prehistory or history of the community.
- It is a surviving site, route, or structure important to the early settlement, economic origins, or technological development of the locale.
- It is a grouping or set of structures, historic sites or features, design components, natural features and landscape architecture, or other interesting details which together create exceptionally rich history or cultural ambiance.
- It is a hillside, geologic formations, body of water, arroyo, remaining natural vegetation, or other striking or familiar physical characteristic that is important to the special character, historic identity, or aesthetic setting of the community.

The 2010 General Plan also listed specific goals for historical resources in the city.

Goal PR-8. Continued recognition and support of the diverse historical and cultural organizations that celebrate and enrich the community

Policy PR-8.1. Support programs that promote a full range of cultural activities and their appreciation among all age groups, all levels of education, and all cultural backgrounds.

Policy PR-8.2. Nurture and support local arts organizations and promote the appreciation of and involvement in the creative and performing arts.

Policy PR-8.3. Build community identity through educational, informational, and cultural art events that focus on local art, food, music, ethnic diversity, and other topics.

Goal PR-9. Retention and proper stewardship of historical and cultural resources

Policy PR-9.1. Encourage the maintenance and preservation of historically, culturally, and or/ architecturally significant structures and sites in the community.

Policy PR-9.2. Explore partnerships with local community organizations, such as the Arcadia Historical Society, to continue the preservation of historic and cultural resources.

Policy PR-9.3. Collect, preserve, and celebrate Arcadia's heritage with quality exhibits and programs.

Policy PR-9.4. Preserve Santa Anita Park's use as a live horse racing venue while economically feasible, and preserve and maintain iconic structures at the racetrack such as the grandstand.

Policy PR-9.5. Identify historic sites, structures, neighborhoods, and other resources through a Historic Resource Inventory.

Policy PR-9.6. Explore the establishment of a Cultural Heritage Ordinance.

Policy PR-9.7. Develop incentives that promote preservation and rehabilitation of historic structures, sites, and other resources.

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2 Background Research

2.1 CHRIS Records Search

On January 13, 2022, Dudek completed a CHRIS records search of the Project site and a 1-mile search radius using data obtained from the South Central Coastal Information Center (SCCIC) located on the campus of California State University, Fullerton. Due to COVID-19, the SCCIC notified researchers that they are only able to provide data for Los Angeles County that has already been digitized. As such, not all available data known to CHRIS may be provided in the records search. The search included digitized mapped prehistoric and historic archaeological resources as well as historic built-environment resources; Department of Parks and Recreation (DPR) site records; technical reports; archival resources; and the Office of Historic Preservation's Built Environment Resources Directory (BERD). For the purposes of this report, only records relevant to historic built environment resources with the potential to be impacted by the proposed Project are discussed in this report. See the Archaeological Resources Assessment, prepared by Dudek 2022 for the full records search results, including all archaeological records.

There were no previously recorded built environment resources within the Project site or immediately adjacent to the Project site. There was one previously conducted cultural resources study that overlapped the Project site. The study is summarized below.

LA-06859

Arcadia General Plan (LSA Associates, Inc. 1996) details the general plan for the City of Arcadia and includes enumerated goals for cultural resources. The area of study for this report encompasses the entirety of the current proposed Project site. The report states that cultural resource assessments are required for any development that may impact a known or potential site of archaeological, paleontological, or historical significance. They also state that preservation and avoidance of impacts should be the primary goal, if this is not feasible then data recovery efforts will be required for resources deemed significant. Construction monitoring will also be required during any ground-disturbing activities within areas of archaeological potential.

2.2 Building Development and Archival Research

Building development and archival research were conducted for the Project site in an effort to establish a thorough and accurate historic context for the significance evaluations, and to confirm the building development history of the Project site and associated parcels.

City of Arcadia Development Services Department

Dudek obtained digitized permits from the City of Arcadia Development Services Department webpage on November 17, 2022 for Project site. Permits were available from 1948 to 2014. Dudek reviewed all available permits, and all information obtained from the City of Arcadia was used in the preparation of the historic context and significance evaluations. The original building permit for The Derby Restaurant building was not located.

Dudek also used the 2002 Historic Resource Survey documentation created for the City of Arcadia by Cultural Resource Management, LLC (CRM) of Pomona. This report divided the City into eight geographic districts and

produced 1-page DPR Primary Records for buildings that met the 50-year age threshold at the time of the survey. Information in this report was used in the preparation of the historic context and significance evaluations.

Los Angeles County Assessor

Dudek obtained assessor data for the Project site properties on November 16, 2021. This assessor data gave information about construction dates and current owners for properties in the Project site.

Arcadia History Room, Arcadia Public Library

Dudek visited the Arcadia Library's History Room on December 2, 2021. The Arcadia History Room's Collections included newspaper clippings, city directories, scrapbooks, digitized e-books, and historical photographs. All available information obtained from the library was used in preparation of the historic context and significance evaluations.

Historical Newspaper Review

Dudek reviewed historical newspapers from Arcadia and surrounding cities in an effort to understand the development of the City of Arcadia and the Project site. These documents were used in preparation of the historic context and significance evaluations.

Sanborn Fire Insurance Maps

A review of historical Sanborn Map Company fire insurance maps covering the City of Arcadia was conducted as part of the archival research on the Project site from the years 1908, 1924, and 1932 (revised) but researched revealed there was no Sanborn coverage for the Project site (Sanborn Map Company 1908, 1924, 1932).

Historical Aerial Photographs

A review of historical aerial photographs was conducted as part of the archival research effort for the following years: 1928, 1938, 1944, 1949, 1952, 1954, 1960, 1964, 1972, 1977, 1980, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2002, 2003, 2005, 2009, 2010, 2012, 2014, 2016, and 2018. Table 1 discusses the development of the areas surrounding the Project site (NETR 2022; UCSB 2022).

2.3 Additional Documentation

The City of Arcadia does not maintain an official register or list of historic resources. A plaque at The Derby was installed by the Arcadia Historical Society in 2011. The plaque provides a brief history of the restaurant with historic era photos and it is located at the entrance of the building. The Derby is marker #8 of the Arcadia Historical Markers. The historic markers are placed independently by the Arcadia Historical Society. The City of Arcadia does not consider historical marker placement by the Arcadia Historical Society a formal determination of historic significance at the local level. The Derby Restaurant not at present considered a CEQA historical resources by the City of Arcadia. A full evaluation of this property is provided in Section 5 of this Report.

3 Historic Context

3.1 Historical Overview of the City of Arcadia and its Downtown Commercial Core

After the annexation of California to the United States, Henry Dalton applied for a land patent to Rancho Santa Anita with the Public Land Commission, as required by the Land Act of 1851. The rancho went through several owners until 1875, when Rancho Santa Anita was sold for $200,000 to Elias Jackson "Lucky" Baldwin. Baldwin was a wealthy landowner who had gained fame and fortune by investing in Nevada's Comstock Lode mine. Baldwin owned several ranchos east of Los Angeles and invested heavily in their development. After Baldwin purchased the rancho, he hired a property manager and began to arrange for multiple improvements, including large-scale orange orchards, irrigation systems, and a distillery and wine production operation. Most notably, he started a training track and stables for racehorses (ARG 2016, p. 16; Eberly 1953, pp. 12-14; McAdam and Snider 1981, pp. 14-15).

Though there was an economic downturn in the 1870s and Baldwin went into debt, he retained several of his properties and saw success during the land boom of the 1880s. Adjacent development in Monrovia and Sierra Madre, cities close to Rancho Santa Anita, inspired Baldwin to subdivide his land in 1883. The Santa Anita Tract was located between Monrovia to the east and Baldwin's large estate house to the west. Baldwin also secured the right-of-way for the Los Angeles & San Gabriel Valley Railroad to pass through the Santa Anita Tract, as well as water rights in Santa Anita and Little Santa Anita canyons. Baldwin developed other amenities and attractions for the area, including the construction of the Oakwood Hotel, creating tourist excursions to the surrounding mountains, lining Santa Anita Avenue with eucalyptus trees, and continuing to breed and train racehorses. By 1886, Atchison Topeka & Santa Fe (AT&SF) Railroad had purchased the railroad, and the tracks reached the Santa Anita Tract townsite. By 1887, the town was being referred to as Arcadia (Figure 3). Baldwin's speculative development made the town appear so successful that another railroad, the San Gabriel Valley Rapid Transit Railroad, built a depot and began offering rail service to the town. Despite this, by the end of the 1880s, the town had less than 200 residents (ARG 2016, pp. 18-19, 23; Eberly 1953, pp. 32-33; McAdam and Snider 1981, pp. 20-21).

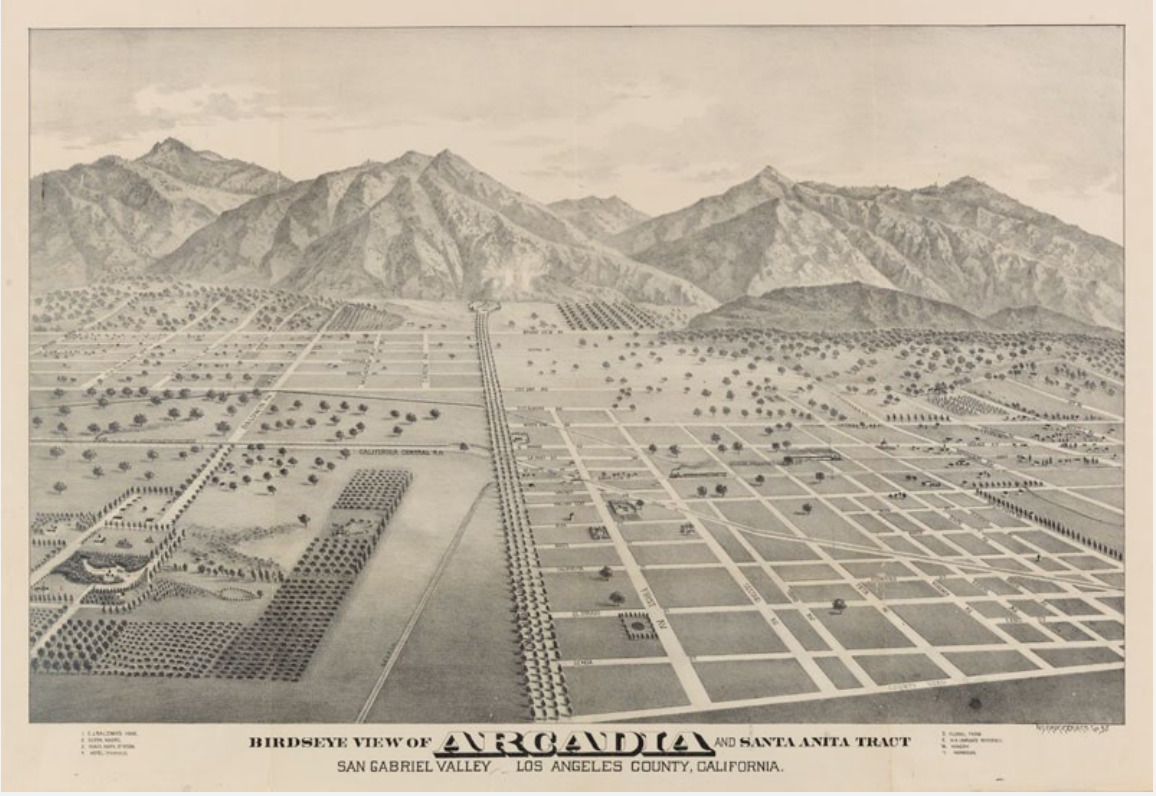


Figure 3. Bird's Eye View of Arcadia and the Santa Anita Tract, 1888; Santa Anita Avenue is the tree-lined north-south road in the center of the image (California State Library)

Baldwin continued to grow the community in the 1890s and 1900s, helping to develop the town. In 1902, when the Pacific Electric Railway announced it would construct the Pasadena Short Line from Pasadena to Monrovia, Baldwin interceded with the company and negotiated for service to Arcadia. He also filed to incorporate Arcadia in 1903 and was immediately appointed mayor. Baldwin's intent was not necessarily to grow the town, but to gain traction for a business proposal and long-time hobby: establishing a horse-racing track at Arcadia. The town grew, with a small commercial business district emerging along Falling Leaf Avenue (later, Huntington Drive). On the west side of Santa Anita Avenue, adjacent to the business corridor and railroad depots, Baldwin built Santa Anita Park, a racetrack, in 1907. Baldwin died in February 1909. Just a month later, the State of California passed a bill banning racetrack gambling and the Santa Anita Racetrack was closed. The original racetrack burned down in 1912 (ARG 2016, pp. 28-29; Eberly 1953, pp. 40, 49, 52-53; McAdam and Snider, p. 61).

In the beginning of the twentieth century, commercial growth in Arcadia continued to be concentrated along Falling Leave Avenue. General improvements in the city included gas and electric utilities, streetlights, a municipal water system, a dedicated city-operated fire department, and graded and paved roads. Banks, schools, hotels and residential subdivisions were constructed in the townsite. Falling Leaf Avenue was paved, widened, and renamed Huntington Drive in 1913. The United States' entry into World War I had an impact on the city's development patterns. The Ross Field Balloon School was established by the U.S. Army at the Santa Anita Racetrack site. During

the war years, 3,500 recruits were hosted at Ross Field. Arcadia expanded from 696 citizens in 1910 to 2,239 in 1920 (ARG 2016, pp. 37-40; Eberly 1953, p. 59-75; McAdam and Snider 1981, pp. 96, 109).

A new downtown commercial corridor and civic center began to form along Huntington Drive in the late 1910s and 1920s. In 1918, Arcadia's first City Hall was erected at Huntington Drive and First Street. Eventually, several civic buildings, including the library, police department, fire department, and a community center would emerge north of the City Hall building, on Wheeler Avenue. During the 1920s, several commercial businesses erected buildings on Huntington Drive, including the Arcadia Theatre, a drive-in market at Huntington Drive and First Avenue, and other grocery and dry goods markets. To the north of the commercial district, industrial properties began to concentrate along the AT&SF and SP railroad tracks, especially near the intersection of Santa Clara Street and the railroad tracks. Outside of the town's central core, new residential subdivisions were created by dividing large land tracts into smaller plots. Several agricultural tracts in and around Arcadia were also dedicated to poultry raising, which remained a common land use in Arcadia through the 1930s (ARG 2016, pp. 47-50; McAdam and Snider 1981, pp. 109-110).

In 1933, the State of California reintroduced racetrack wagering, reversing their 1909 anti-gambling position. By Christmas 1934, a new Santa Anita Park racetrack was opened by the Los Angeles Turf Club. With the end of Prohibition in 1933, the town became a destination for local gambling, sports betting, and alcohol consumption. The City also received a generous WPA grant to create a 184-acre public park at Santa Anita Regional Recreational Center (Arcadia County Park), which boasted an 18-hole golf course, pools, and tennis courts, open to the public. In the 1930s, Anita Baldwin, daughter of E.J. Baldwin, sold 1,300 acres of inherited property to be developed by Rancho Santa Anita, Inc. Rancho Santa Anita, Inc. parceled the large acreage into residential subdivisions, including Santa Anita Village, the Rancho, the Upper Rancho, Santa Anita Gardens, and Colorado Oaks. The effect of these investments and increased visitation, despite the national Depression, led to the City of Arcadia experiencing moderate growth in the 1930s, with "new buildings, new businesses, public improvements and home construction" taking place almost daily (Eberly 1953, p. 118). By 1940, the City's population expanded to 9,122 citizens.

During World War II, Arcadia's Santa Anita Racetrack played a large role in the Executive Order 9066 removal of Japanese-Americans from their homes and subsequent internment, serving as an assembly center in 1942. The War Department took over the racetrack. Nearly 400 barracks buildings were erected around the grandstand building (Figure 4). In addition to housing Japanese-Americans before they were sent to internment camps, the racetrack was also used to hold 2,000 German and Polish prisoners of war. During the war, the City of Arcadia experienced little population or built environment growth (Arcadia Historical Society 2008, p. 73; ARG 2016, pp. 53-55, 60-62; Eberly 1953, pp. 118-122; Kovacic 2003, pp. 23-24; McAdam and Snider 1981, pp. 127, 148).



Figure 4. Barracks to house Japanese internees at the Santa Anita Park Racetrack, 1942 (Los Angeles Public Library)

In the post-war period, like all of Southern California, the City of Arcadia experienced massive population growth and a building boom. The population of Arcadia increased from 9,122 people in 1940 to 23,066 people in 1950. Much of the town's growth was financed through Veterans' loans and Federal Housing Administration mortgage-promoted home building. In the downtown commercial core, all remaining empty lots were developed, and other commercial corridors emerged along Duarte Road and Foothill Boulevard (U.S. Route 66). Commercial shopping centers and commercial strips in these areas were designed to take advantage of automobile traffic as other modes of transportation, including the Pacific Electric Red Cars, ended service in the 1950s. Notable institutional growth during this period included the creation of the Los Angeles State and County Arboretum, which was carved out of remaining undeveloped Rancho Santa Anita land in 1947. It opened to the public in 1955. The City's population growth continued, expanding to 41,005 people in 1960 (ARG 2016, pp. 65-66; Kovacic 2003, pp. 322-326; McAdam and Snider 1981, pp. 163-165).

Suburban sprawl, commercial growth, shopping centers, and a booming population characterized Arcadia in the 1960s and 1970s. Civic development included expanding the number of grammar and high schools, new libraries, and the fire and police departments. By 1968, the Foothill Freeway (now Interstate 210) was completed through Arcadia. It continued east towards San Dimas by 1971. Multiple attempts were made to expand the downtown commercial core along Huntington Drive by permitting high-rise buildings. These efforts were defeated in the 1960s and 1970s, resulting in a height limit of eight stories. One project built to this limit was the Towne Center Project, completed in 1971 (see Section 3.5). Noteworthy commercial development away from the downtown commercial core was the Santa Anita Fashion Park, an indoor mall designed by Victor Gruen of Gruen Associates and opened in 1975.

In the 1980s and 1990s, the demographics of Arcadia changed dramatically, and the formerly majority-Caucasian city quickly transformed into a predominantly Asian-American community. The Asian-American community comprised 9% of the population in 1980. Over the next few decades, the community grew to 59% of the population by 2010. In addition to shifting demographics, commercial and industrial land uses have also changed in Arcadia. In 1996, the

City published a General Plan to revitalize the downtown district. From the early 2000s to the present-day, single-family residences, townhomes, and condominiums have been constructed in formerly industrial and commercial areas around the two-block downtown commercial core of Huntington Drive. Today, the downtown commercial core is a mixed-use, primarily commercial area (Arax 1985; ARG 2016 pp. 77-78; City of Arcadia 2010b, p. 53, 2010c, p. 3; Kovacic 2003, pp. 126-127, 326; Kovacic 2013, pp. 59-61, 68; McAdam and Snider 1981, pp. 175-177).

3.2 History of Buildings within the Project site

The Project site is located about one-half mile east of Arcadia's Downtown Commercial Core along Santa Anita Avenue. The Project site includes two parcels that total 2.23 gross acres. The Project site is currently occupied by two restaurant buildings at 233 E. Huntington Drive and 301 E. Huntington Drive and a surface parking lot. The following table provides a development history of The Derby Restaurant Project site since the first available aerial image in 1928:

Table 1. Historical Aerial Photograph Review of Project site

Photograph Year	Observations and Findings
1928	The earliest aerial photograph of the Project site dates to 1928. The Project site appears as two neighboring residential parcels bisected by what was then Third Street. The parcel to the west is L-shaped with a primary single-family residence and five smaller ancillary buildings to the rear. The parcel to the east is triangular with a single-family home at the west-central end of the property. E. Huntington Drive is also visible in its current east-west orientation but was narrower in 1928. AT&SF tracks run diagonally near the southwest corner of the current Project site. The Santa Anita Wash, located a quarter mile west of the Project site, was not channelized at this point. The surrounding neighborhood, which is located in east-central Arcadia, had been substantially developed to the east of Santa Anita Avenue with single family residences by this time, but about a quarter of the lots were vacant. The area west of Santa Anita Avenue, roughly half a mile west of the Project site, was largely undeveloped besides a racetrack that would later be redeveloped as Santa Anita Park.
1938	A 1938 aerial image shows a new square-shaped building located at the southeast corner of the Project site on what had formerly been an L-shaped residential parcel. The new building appears to be the original The Derby Restaurant, which was constructed in 1931, and a large tree fronts the building along E. Huntington Drive. Besides the construction of the new restaurant, changes to the Project site also included the addition of a small, square building on the south end of the triangular eastern parcel. The section of E. Huntington Drive that fronts the Project site and extends to the Santa Ana Wash appears wider than 1928. In the neighborhood immediately surrounding the Project site, only moderate development has taken place on vacant parcels since the 1928 aerial image. The area west of Santa Ana appears completely reconfigured since 1928 with the development of Santa Anita Park.
1952	Within the Project site in a 1952 aerial, The Derby Restaurant appears to have had a major expansion to the south (primary) and west elevations, which culminated in the removal of the large oak tree that fronted the building along E. Huntington Drive in the 1938 aerial. The portion of the former triangular parcel within the eastern end of the Project site now includes a street-facing rectangular building and a small building at the center of the parcel. The parcels directly north of the Project site is developed with single-family dwellings by 1952 and parcels vacant in 1938 are mostly developed with single-family residences. By 1952, the AT&SF Railroad tracks running diagonally past the southwest corner of the Project site had been replaced by a railroad bridge that is elevated over E. Huntington Drive.
1952-1964	No discernible changes to the Project site.

Table 1. Historical Aerial Photograph Review of Project site

Photograph Year	Observations and Findings
1972	By the 1972 aerial image, the commercial building at the center of the eastern parcel is demolished. Besides the demolition, the remainder of the Project site and surrounding neighborhood looks as it had in 1952.
1977	No discernible changes to the Project site.
1980	No discernible changes to the Project site.
1994	The 1994 aerial image indicates that The Derby Restaurant building, at the west end of the Project site had significant expansion to its west elevation and a reconfigured roof. Within the eastern parcel, the 1950s-era street-facing buildings have been demolished and replaced by a large 80-foot by 110-foot rectangular Souplantation restaurant building constructed in 1988. Directly north of the Project site, former single-family residences were replaced by two, large multi-story hotels.
1995-1998	No discernible changes to the Project site.
1999	In 1999, a patio expansion appears on the west elevation of The Derby Restaurant building
1999-2005	No discernible changes in the Project site or surrounding properties based on aerial imagery.
2006	A 1,200 square foot addition to the west elevation covered patio is visible in aerial images.
2007-2010	No discernible changes in the Project site or surrounding properties based on aerial imagery.
2011	In 2011 aerials, a new masonry wall is visible at the front of the property.
2012-2018	No discernible changes in the Project site or surrounding properties based on aerial imagery.

History of The Derby Restaurant

The history of The Derby Restaurant dates to the 1920s when owner Hudson M. Proctor opened the "Proctor Tavern" in 1922 at Foothill Boulevard and Santa Anita Avenue in Arcadia. It appears that by 1926, the restaurant was known as "Proctor's Foothill Tavern" and specialized in fried chicken meals. By 1931, Proctor closed the restaurant on Foothill Boulevard and opened a new "Proctor's Tavern" restaurant at 233 E. Huntington Drive which would later house The Derby Restaurant (Arcadia Tribune 1931, pp. 1). Built in the Spanish Colonial Revival style, the new restaurant included two dining rooms, each with a fireplace, as well as an upstairs apartment. The restaurant would change hands several times during the 1930s and a 1934 advertisement shows that Proctor sold the restaurant to W. B. De Beers who renamed it "Ye Derby Tavern" (Arcadia Tribune 1934, pp. 10).

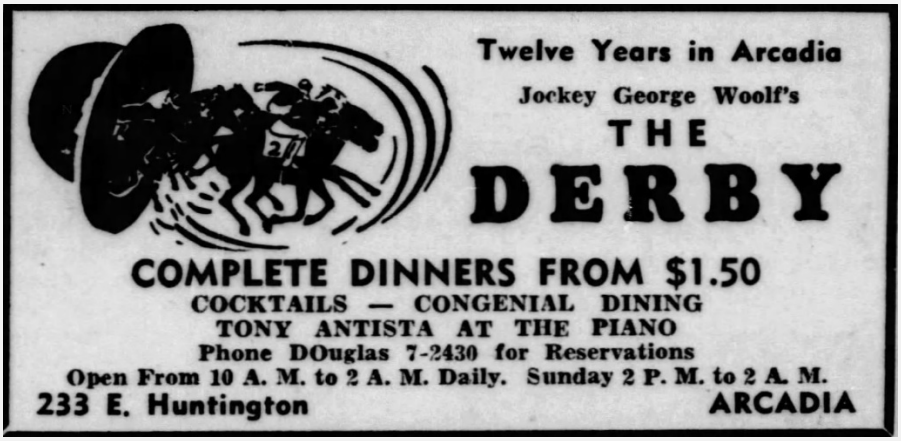


Figure 5. A 1950 newspaper advertisement for The Derby Restaurant (Monrovia News-Post 1950)

The ownership changes ultimately culminated in a grand 're-opening' in December 1938 by co-owners Bill Petersen and legendary jockey George "The Iceman" Woolf. By this time the restaurant was referred to under its present moniker, The Derby. Woolf, a highly successful horseracing jockey who is best known for riding the famed horse Seabiscuit in 1938, owned the restaurant until his untimely death in a 1946 horseracing fall. Woolf's fame as a jockey increased the popularity of the restaurant and tightened the restaurant's connection to horseracing. Woolf's widow ran the restaurant for another five years, but ultimately sold the restaurant to Dominic and Lorene ("Murph and Slugger") Sturniolo in 1951 (Arcadia Tribune 1951, pp. 1). These longtime owners would maintain the restaurant's horseracing theme, which had been established in the 1930s. This included maintaining a showcase with Woolf's racing memorabilia at the front of the restaurant. Upon taking ownership, the Sturniolos expanded the size of the restaurant by adding to the primary (south) and west elevations of the original restaurant to accommodate more diners. This remodel effectively removed all elements of the former Spanish Colonial Revival style of the building and landscaping including its clay tile roof, façade, original signage, and the oak tree that fronted the building. The restaurant specialties included steak, Baked Alaska, and drinks like cappuccinos and Irish Coffee. In 1964, owner Dominic Sturniolo acquired a chandelier once belonging to Arcadia founder Lucky Baldwin, which currently hangs before the main dinner room. In the 1940s and 1950s, the restaurant featured music by piano player Tony Antista, who was a popular local entertainer until his death in 1961 (Mutschler 1983, pp. 1-7).

Besides their 1950s restaurant addition, the Sturniolos made another large patio addition to the western end of the building in 1999, when Dominic and Lorene's son Charles "Chip" Sturniolo was owner. After the Sturniolos' long and successful tenure, Dustin Nicolarsen and Michael Thomas acquired the restaurant in 2007 and are the current owners.

3.3 Architectural Styles in the Project Site

The Derby Restaurant building was designed in the Spanish Colonial Revival style when it was originally constructed in 1931, but subsequent several alterations, including major additions to the façade, have added neo-Craftsman style and Ranch elements to the restaurant building. Due to these alterations and combinations of styles, the building does not currently convey an architectural style. Almost no character-defining features of the original Spanish Colonial Revival style remain.

Architects and Builders

The original 1931 Spanish Colonial Revival style restaurant was designed and built by owner Hudson M. Proctor, who, according to articles about the restaurant, had prior experience in the building industry, and no architect or contractor was used for the building (Arcadia Tribune 1931, p. 1). Research did not reveal that subsequent remodels and additions to the restaurant engaged an architect for the designs.

3.4 Property Type in the Project Site

Restaurants, 1880-1980

To better understand the restaurant property type, Dudek utilized the following SurveyLA context relevant to the evaluation of The Derby Restaurant since themes present in nearby Los Angeles apply regionwide:

- "Commercial Development" under the theme "Neighborhood Commercial Development, 1880-1980" and more specifically, the sub-theme "Restaurants, 1880-1980." The period of significance for Restaurants is 1880–1980.

The Derby Restaurant was referred to as a café or tavern in newspaper ads during its history in Arcadia. The café was a type of establishment that could be found on the main streets of small towns as well as in neighborhood commercial areas that operated similarly to small towns. Between 1910 and 1940, the neighborhood café operated as a social meeting place. The interior area was long and thin, with a counter on one side, tables or booths on the other, and the kitchen at the back.

Restaurants, such as cafes, may be historically notable in terms of commerce, social history, and/or architecture. They show the progression of the local restaurant from the café and luncheonette, which were commonly situated in rented storefront spaces, to the free-standing tearoom, destination restaurant, coffee shop, and walk-up food stand. They also show how the local restaurant frequently served as essential and well-known gathering and socializing spaces, creating a feeling of community identity. These restaurants may be affiliated with local, regional, or national chains, and they may reflect prototype/corporate designs that are noteworthy examples of architectural styles and were developed by well-known architects (Prosser 2017, pp. 100-112).

Character-Defining / Associative Features:

- Features architectural and site-planning elements typical of neighborhood restaurants in both a pedestrian-oriented storefront form and an auto-oriented freestanding form
- May reflect prototype/corporate designs associated with specific restaurant chains
- May be associated with notable architects/designers
- Associated with activities characteristic of neighborhood economic and social life

Commercial and Recreational Development, 1910- 1935

The Derby Restaurant is also associated with the theme of commercial and recreational development in Arcadia from 1910-1935 as highlighted in Arcadia's 2016 Citywide Historic Context Statement. In the 1920s and 1930s, several businesses were added to the existing commercial district centered around Huntington Drive and 1st Avenue, including a theater, banks, a newspaper, various retail and service operations in new commercial blocks,

and even a drive-in market. Only a few commercial properties from the 1920s and early 1930s remain in the district, including a former shoe shop and grocery store (1923) at 323-325 N. 1st Avenue (heavily altered; now Arcadia Welfare and Thrift) and the former Arcadia Tribune (1930) at 8 N. 1st Avenue.

Due to the restaurant's proximity to the Santa Anita Race and horseracing theme, it shared a connection to horseracing and the supporting commercial businesses. In the early 1930s, the majority of Arcadia's economic development was focused on the establishment of the Santa Anita Park and Racetrack, as well as the expansion of Highway 66 through the city. Santa Anita Park, which opened on Christmas Day 1934, immediately became Arcadia's hallmark icon, attracting Hollywood stars and racegoers from miles around.

The development of the racetrack was a huge boost to Arcadia, providing both money and favorable attention to the community during the Great Depression. Businesses capitalized on the flood of racetrack visitors by building hotels, restaurants, and tourist attractions such as W. Parker Lyon's showy Pony Express Museum (now closed), which housed a massive collection of "Wild West" artifacts. In 1931, Huntington Drive and Colorado Boulevard were built through the Baldwin Ranch to link to transcontinental Highway 66. By 1932, the highway had been divided between Foothill Boulevard and a piece of Huntington Drive. Businesses benefited from the extension of Highway 66, which saw the construction of service stations, drive-in markets, and motor courts to serve vehicles along the route (ARG 2016, pp. 47-50).

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4 Field Survey

4.1 Methods

Built Environment Survey

Dudek Architectural Historian Andrew Bursan, MCRP, conducted an intensive survey of the Project site on January 5, 2022. Mr. Bursan meets the Secretary of the Interior's Professional Qualification Standards for architectural history. The survey entailed walking around the building exteriors of each of the two properties in the Project site, documentation with notes and photographs, specifically noting character-defining features, spatial relationships, observed alterations, and examining any historic landscape features on the properties. The Derby Restaurant's interior was surveyed as part of the intensive survey to research on site collection of memorabilia and historic photographs.

4.2 Results

One property within the Project site is over 45 years old and was identified as requiring recordation and evaluation for historical significance: The Derby Restaurant (233 E. Huntington Drive, APN 5773-009-070).

This property is described and evaluated for historical and architectural significance in Section 5. Significance Evaluations. A State of California Department of Parks and Recreation Series 523 (DPR) form for The Derby Restaurant property is located in Appendix C. DPR forms.

One property located within the Project site, 301 E. Huntington Drive (APN 5773-009-065), is developed with a building constructed in 1988 and does not meet the 45-year age threshold. Therefore, it was not evaluated or recorded.

Evaluated

- The Derby Restaurant - 233 E. Huntington Drive, APN 5773-009-070

Not Evaluated

- Souplantation - 301 E. Huntington Drive, APN 5773-009-065

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5 Significance Evaluations

In order to determine if the proposed Project will impact historical resources under CEQA, all buildings or structures over 45 years in age within or immediately adjacent to the Project site were evaluated for historical significance and integrity in consideration of NRHP, CRHR, and City of Arcadia designation criteria and integrity requirements. This includes The Derby Restaurant, which is inside the Project site. Because the designation criteria for the CRHR and City of Arcadia landmarks closely resembles the NRHP Criteria, these evaluations are grouped together below.

5.1 The Derby Restaurant, 233 E. Huntington Drive, (APN 5773-009-070)

Property Description

The Derby Restaurant located at 233 E. Huntington Drive was originally constructed in the Spanish Colonial Revival style in 1931. As the restaurant currently exists, it is a two-story, building with Ranch and neo-Craftsman features topped by a gable-on-hip roof with open eaves. Irregular in plan, the building is clad in clinker brick on the façade and has stucco cladding on secondary elevations. A decorative vent and vertical half-timbering highlight gables on the west end of the building. Fenestration is non-original, fixed pane, stained glass windows on all elevations. A straight brick walkway leads from the sidewalk to the main entrance shelter with wood column supports and a wood door entrance on the west end of the primary south elevation. A circular clinker brick chimney rises from the southeast corner of the building. A small second-story office, which is obscured by the primary roof pitch at the front of the building, is located at the rear. A side-gabled roof wing projecting from the west elevation covers an open patio area. A canopy structure attached to the rear of the buildings provides additional patio sheltering. The interior walls are adorned with horse racing memorabilia, including paintings, and photographs that likely date between the 1930s to the mid-to-late 1940s. Due to extensive modifications to the building over time interior remnants of the original 1931 building are difficult to clearly identify.

Associated features that surround the restaurant building include, two free-standing neon signs front the building along E. Huntington Drive. The westernmost sign reads “Guest Parking”, with an arrow and bowler hat surrounding the lettering, and the easternmost sign reads “World Famous, The Derby” with a red background. A small lawn with shrubs and a three-foot-high brick fence front the primary elevation. A parking lot surrounds the remainder of the building and mature trees line the parcel boundary. The Derby Restaurant building is flanked by two 1980s-era multi-story hotels to the northwest and northeast and a restaurant directly to the east.



Figure 6. The Derby Restaurant: South (primary) elevation, view looking northeast (IMG_0622)



Figure 7. The Derby Restaurant: South (primary) elevation, view looking north (IMG_0625)



Figure 8. The Derby Restaurant: East elevation, view looking northwest (IMG_0566)



Figure 9. The Derby Restaurant: North (rear) elevation, view looking southwest (IMG_0578)



Figure 10. The Derby Restaurant: West elevation, view looking northeast (IMG_0594)



Figure 11. The Derby Restaurant: West view of a freestanding sign along E. Huntington Drive (IMG_0564)



Figure 12. The Derby Restaurant: West view a freestanding sign along E. Huntington Drive (IMG_0599)

Building Permits and Identified Alterations

The following list of known alterations was compiled through archival research of Arcadia building permits, a review of previous property documentation, and during the course of the intensive survey.:

- Restaurant remodel (no details) for $3,500, Certificate of Occupancy 13391 (1948)
- 18-foot expansion around the entire exterior of the original building including the primary south façade, Owner Domonic Sturniolo (1951)
- Sign permit for $480, Permit #520 (1961)
- Conference room addition, owner Dustin Nicolarsen (Circa 1969)
- Open patio for $14,076, Permit #B00-002-704 (1999)
- 576 square foot outdoor patio with the removal of ceiling coverings for outdoor walls, Permit #B00-009-895 (2001)
- Removal and replacement of brick on exterior elevations, owner Dustin Nicolarsen (Circa 2001)
- Addition of a 1,200 square foot roofed patio for $23,299, Permit #B00-019-678 (2006)
- Masonry garden wall for $2,267, Permit B00-038-522 (2011)
- New masonry fireplace for $10,000, Permit B00-045-848 (2014)
- Non-enclosed patio added, owner Dustin Nicolarsen (2020)



Figure 13. A photo of the façade of The Derby Restaurant circa late 1930s when the restaurant exhibited its original Spanish Colonial Revival style, original signage, and oak tree fronting the property (Arcadia Historical Society 2008).



Figure 14. The façade of The Derby Restaurant in 2022 showing the existing façade, which has been substantially altered since the 1951. The original signage and the oak tree fronting the property have also been removed (IMG_0625).

NRHP/CRHR/City of Arcadia Statement of Significance

The Derby Restaurant at 233 E. Huntington Drive is not eligible for listing in the NRHP, CRHR, or as a City of Arcadia historic landmark individually or as part of an existing historic district, as demonstrated below.

Criterion A/1/1: That are associated with events that have made a significant contribution to the broad patterns of our history.

Located along E. Huntington Drive which is portion of the original Route 66 alignment and originally established at its current location in 1931, The Derby Restaurant gained prominence during the 1930s and through the late 1940s as a gathering spot for the horse racing community. This connection between the restaurant and the horseracing community developed due to its proximity to the Santa Anita Park and through its former owner George "The Iceman" Woolf, who was best known for riding the famed horse Seabiscuit. During Woolf's ownership period of The Derby from 1939 to 1946, the restaurant grew in popularity as a horseracing community gathering spot with celebrity status that featured Woolf's vast collection of horseracing memorabilia. Woolf owned the restaurant until his untimely death in 1946 due to falling off a horse during a race. Woolf's fame as a jockey increased following his death along with the popularity of the restaurant, which enhanced the restaurant's connection to the horseracing community. Woolf's widow, Genevieve Woolf Cayer, ran the restaurant until 1951 when she sold the operation of the restaurant to Dominic and Lorene ("Murph and Slugger") Sturniolo (Dominic Restaurants, Inc.) in 1951 (Arcadia Tribune 1951, pp. 1). By this time, The Derby was a well-known southern California establishment. The new owners continued to maintain the restaurant, exhibiting Woolf's collection of horseracing memorabilia, and emphasizing Woolf's legacy.

In consideration of these factors, The Derby Restaurant, has associations with a pattern of events that have made contributions to the development of the horseracing community under NRHP Criterion A, CRHR Criterion 1, and City of Arcadia Historic Landmark Criterion 1. The period of significance for the subject property is 1931 to 1951; spanning the year the restaurant was first established at its location, to the date that the property was no longer operated by the Woolf family. This is the period in which the restaurant grew in popularity, became a well-known establishment, and solidified its link to the horse racing community. The property's ability to convey significance under this Criterion is addressed below in the integrity discussion.

Criterion B/2/2: That are associated with the lives of persons significant in our past.

To be considered eligible under NRHP Criterion B, CRHR Criterion 2, or City of Arcadia Historic Landmark Criterion 2 the property must be directly tied to an important person and the place where that individual conducted or produced the work for which he or she is known. In the case of The Derby Restaurant, the people who have owned and operated the restaurant are discussed below.

The Derby Restaurant was originally constructed by owner Hudson M. Proctor in 1931, who owned the restaurant until approximately 1934. Proctor appears to have been a local businessman, but research did not reveal him to be a person of great local importance. Famed horseracing jockey George Woolf owned the restaurant from December of 1938 until his death in 1946. While George Woolf is historically significant as a horse racing jockey, the connection to the work he is known for, horseracing, is shown through the memorabilia that remains inside the restaurant. However, The Derby Restaurant is not where he performed the work for which he is known (i.e., horse racing). Woolf is famous for his career as a jockey and his productive years are most closely associated with the Santa Anita racetrack where he famously raced. A statue of Woolf was erected at the Santa Anita racetrack in 1949

and it remains at the site today. The racing facility serves as a more intact representative example of his career than The Derby Restaurant that he briefly owned.

Dominic and Lorene ("Murph" and "Slugger") Sturniolo and their son Chip owned the restaurant for most of its history (1951-2007) until selling the restaurant in 2007. While the family was successful and well regarded as local businesspeople in Arcadia, there is no evidence that they are prominent people or known to be historic figures at the national, state, or local level. Lacking a direct association with an individual's important achievements for which they are known, The Derby Restaurant is not eligible under NRHP Criterion B, CRHR Criterion 2, or City of Arcadia Historic Landmark Criterion 2.

Criterion C/3/3: That embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction.

Hudson M. Proctor constructed the building that would ultimately come to be known as The Derby Restaurant in 1931 in the Spanish Colonial Revival style. He was reported in a few articles to have experience in construction, and he did not hire a contractor or architect to design the building. Owners Dominic and Lorene Sturniolo completely remodeled the restaurant in 1951 with additions to the primary and west elevations that removed all former Spanish Colonial Revival elements in addition to removing original freestanding signage and removing the large oak tree that once fronted the building. Beyond the upstairs office, no elements of the 1931 era building remain.

Since the late 1990s, the restaurant has experienced large additions to the west elevation, removal of original exterior brick, and the addition of new exterior chimneys. Due to numerous alterations, the building no longer possesses any character-defining features of the 1930s Spanish Colonial Revival style. Although the building as it currently stands features Ranch and neo-Craftsman elements, it no longer possesses a discernable architectural style. In addition, the restaurant no longer exhibits the architectural and site-planning elements of its original 1930s era cafe restaurant type due to alterations. Lacking architectural distinction, or any known connection with the work of a master architect, The Derby Restaurant is not eligible under NRHP Criterion C, CRHR Criterion 3, or City of Arcadia Historic Landmark Criterion 3.

Criterion D/4/4: That have yielded, or may be likely to yield, information important in prehistory or history.

The Derby Restaurant is not significant under Criterion D of the NRHP, Criterion 4 of the CRHR, or City of Arcadia Historic Landmark Criterion 4 as a source, or likely source, of important historical information nor does it appear likely to yield important information about historic construction methods, materials, or technologies.

Integrity Discussion

To be eligible for listing in the NRHP, CRHR, or as a landmark in the City of Arcadia, properties must have a clear association under one or more Criterion and retain historic integrity to the period of significance established under the Criterion for which it has an association.

As stated above, The Derby Restaurant, has associations with events that have made significant contribution to broad patterns of our history under NRHP Criterion A, CRHR Criterion 1, and City of Arcadia Historic Landmark Criterion 1 (Criterion A/1/1). The period of significance for the subject property is 1931 to 1951; spanning the year the restaurant was first established at its location, to the date that the property was no longer operated by the

George Woolf or his wife. This is the period in which the restaurant grew in popularity, became a well-known establishment, and solidified its link to the horse racing community.

Despite a clear association under Criterion A/1/1, alterations to the property since 1951 have modified the property to extent that it appears to be a building constructed in the latter half of the twentieth century, not in the 1931 to 1951 period when the building was originally constructed and gained prominence as a restaurant associated with the horseracing community through Woolf. Despite the connection to Woolf that remains through his horseracing memorabilia collection featured in the interior, the interior space has been altered since 1951 to the extent that even with elements of the collection exhibited the connection to the period of significance has been lost. Additionally, no exterior elements of the restaurant remain from the historic era establishment that Woolf would recognize. The original Spanish Colonial Design of the building has been completely altered, original signage removed, and large oak tree fronting the building has also been removed. The building now surrounded by paved parking lots, and more recent commercial building construction. These modifications have resulted in dismantling the connection to the period when the restaurant became "The Derby," 1931 to 1951; the period of significance for the subject property. In summary, the loss of integrity in the areas of design, materials, workmanship, setting and feeling, has caused the property to no longer be capable of conveying an association to the period of significance (1931 to 1951) when it was first developed and the connection for which it is known.

Despite The Derby Restaurant's association under NRHP Criterion A, CRHR Criterion 1, or City of Arcadia Historic Landmark Criterion 1, the substantial loss of historic integrity to its period of significance precludes the property from being considered eligible for listing.

Additional City of Arcadia Criteria Considerations

In addition to meeting City of Arcadia Criterion 1 through 4, for a resource to be found significant as a City of Arcadia historic landmark it must be listed in the NRHP or CRHR (Criteria 5) or considered an iconic property (Criteria 6). The Derby Restaurant, as stated above, does not meet Criteria 1 due to a lack of historic integrity to its period of significance and the property does not meet Criterion 2 through 4 due to a lack of significance. As such the property is not eligible for listing as a City of Arcadia historic landmark.

Significance Evaluation Summary

In summary, The Derby Restaurant at 233 E. Huntington Drive is not eligible for listing in the NRHP, CRHR, or as a City of Arcadia historic landmark individually or as part of an existing historic district.

6 Findings and Conclusions

6.1 Summary of Findings

No historic built environment resources were identified within the Project site as a result of extensive archival research, field survey, and property significance evaluation. Findings are summarized below in Table 2. Therefore, the properties that comprise the proposed Project site are not considered historical resources for the purposes of CEQA. Further, no potential indirect impacts to historical resources were identified.

Table 2. Historic Built Environment Findings

Address	Date Constructed	NRHP/ CRHR/ City of Arcadia Significance Criteria	Previous CHRS code (if applicable)	Assigned California Historical Resource Status code	CEQA Finding
The Derby Restaurant	1931	Not eligible	Not applicable	6Z: Found ineligible for NR, CR or local designation through survey evaluation	Not considered a historical resource for the purposes of CEQA

6.2 Recommendations

No historical resources were identified within or adjacent to the Project site as a result of the BERD search, extensive archival research, a SCCIC records search, field survey, and property evaluations of significance. The Derby Restaurant is not currently designated or listed under any national, state, or local landmark programs. The buildings on these parcels have not been identified as eligible for local designation by a recent historic resources survey.

Dudek evaluated The Derby Restaurant building in the Project site in accordance with Section 15064.5 (a)(2)-(3) of California Environmental Quality Act (CEQA) Guidelines and using the criteria outlined in Section 5024.1 of the California Public Resources Code. Dudek concludes that the building does not appear to be eligible for listing in the NRHP, CRHR, or as a City of Arcadia landmark designation due to a lack of sufficient historic integrity. As such, no buildings on the Project site appear to be historical resources under CEQA. The recommended Status Code for The Derby Restaurant property is 6Z. Further, no potential indirect impacts to historical resources were identified as the proposed Project has no potential to impact the built environment beyond the Project site.

The finding for built environment cultural resources for the proposed Project under CEQA is No Impact. As the proposed Project would have no impact on historical resources, no further study is required.

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Appendix A
Preparer's Qualifications

Andrew Bursan, MCRP

SENIOR ARCHITECTURAL HISTORIAN



Andrew Bursan is an architectural historian and urban planner with 14 years' experience in historic preservation, historic research, report writing, land planning, and project management. Mr. Bursan has worked with the California Department of Transportation (Caltrans), Los Angeles County Metropolitan Transportation Authority, City of Pasadena, City of Santa Monica, City of Los Angeles, City of Santa Barbara, and the City of Arroyo Grande, among others. His experience includes architectural surveys, reconnaissance-level surveys, historical assessments, and extensive historical research. He has prepared historic context statements, technical reports, and impact analysis for cultural resources in environmental impact reports (EIRs). His breadth of work includes major transportation projects, intensive archival research, citywide surveys, and analysis of individual properties under the California Environmental Quality Act (CEQA), Section 106, Section 4(f), and the National Environmental Policy Act.

Education

Cal Poly – San Luis Obispo
Master of City and Regional Planning (MCRP), 2005

University of California, Los Angeles, BA, History, 2002

Select Project Experience

Historical Resource Evaluation Report for 820 A Avenue, Coronado, California. Dudek was retained by the City of Coronado to complete a Historical Resource Evaluation Report, under City designation criteria and integrity requirements, for a single-family residential property located at 820 A Avenue in Coronado, California. The property was built in 1922 and had not been previously evaluated for historical significance. As a result of the evaluation, the subject property was recommended not eligible for inclusion in the City Register under all designation criteria due to a lack of significant historical associations and compromised integrity. Mr. Bursan served as a senior architectural historian and main author of the report. (2021)

Historical Resources Technical Report (HRTR) for the 5146-5148 Dehesa Road Project, Dehesa, California. Dudek was retained by Carlin Law Group, A.P.C. to complete a Historical Resources Technical Report (HRTR) in support of the proposed 5146-5148 Dehesa Road Project. This project proposed to subdivide an existing 5.87-acre parcel on Dehesa Road into four parcels. The site was originally developed with two existing single-family residences (each more than 45 years old) located within the southern portion of the project area. The property at 5146-5148 Dehesa Road was evaluated for historical significance in consideration of potential impacts to historical resources under the California Environmental Quality Act (CEQA) section 15064.5, the County of San Diego Historic Preservation Ordinance, the County of San Diego Resource Protection Ordinance (RPO), and Section 106 of the National Historic Preservation Act (NHPA). As a result of the evaluation, the property was recommended not eligible for inclusion in the NRHP, CRHR, and San Diego County Local Register of Historical Resources under all designation criteria due to a lack of significant associations and compromised integrity. Mr. Bursan served as a senior architectural historian and main author of the report. (2021)

Historical Resource Assessment Report for the 1280 Pacific Coast Highway Mixed-Use Development Project, Harbor City (Los Angeles), California. Dudek was retained by Alston & Bird LLP to complete a Historical Resource Assessment Report for the proposed 1280 Pacific Coast Highway Mixed-Use Development Project (Project) in Harbor City, a community in the City of Los Angeles, California. The proposed project consisted of the redevelopment of a mobile home park known as the A-1 Trailer Park at 1280 Pacific Coast Highway and an adjacent vacant surface parking lot. The A-1 Trailer Park property was found ineligible under the National Register of Historic Places, California

Register of Historical Resources, or City of Los Angeles designation criteria due to a lack of significant historical associations and architectural merit. Mr. Bursan served as a senior architectural historian and main author of the report. (2021)

La Canada Soundwalls Phase IV, La Canada Flintridge, California. Dudek was retained by the City of La Canada Flintridge to prepare a Historic Property Survey Report (HPSR) for the La Canada Flintridge I-210 Soundwall Improvement Project. The City of La Cañada Flintridge, in cooperation with the California Department of Transportation, proposed to construct four soundwalls along Interstate 210 (I-210) to reduce residents' exposure to traffic noise (project). The project calls for an intensive pedestrian survey of the project APE (both direct and indirect) for both archaeological and historic built environment resources. Mr. Bursan is currently serving as a senior architectural historian and main author of the HPSR. (2021-present)

Additional Previous Experience

South Region High School No. 13, Los Angeles Unified School District, California. Assisted with fieldwork and wrote property descriptions. ICF prepared an initial technical report in support of environmental documentation for the proposed new South Region High School No. 13, which is subject to review under CEQA. (2010)

Housing and Urban Development-Neighborhood Stabilization Program 2, Section 106 Consulting Services for Housing and Urban Development, City of Lansing, Michigan. Helped conduct field survey work in the City of Lansing. Provided the City of Lansing's development office and the Ingram County Housing Commission with research services related to Neighborhood Stabilization Program 2-funded actions in potential historic districts. (2012–2013)

Jankovich Fueling Station Historic Resources Assessment, Port of Los Angeles, San Pedro, California. Prepared a historic resources assessment of the Jankovich Fueling Station. The research included building permits, Sanborn Map, and archival material. (2019)

Ventura County Transpiration Corridor, Ventura County, California. In conjunction with Caltrans, the County of Ventura proposed to widen Interstate 101 for 26 miles through the county. Andrew managed field survey work, oversaw and delegated tasks for the creation of a Historic Resource Evaluation Report (HRER) and Historic Structures Report as well as writing historic context. He engaged in several meetings with Caltrans for the purpose of creating an area of potential effects (APE) for the project. (2019–2021)

I-605 Corridor Improvement Project, Los Angeles County, California. Managed field survey work, performed evaluations of historic properties under CEQA and Section 106, documented tract development resources under a programmatic agreement, wrote historic context and attended meetings regarding the historic documentation of built resources. Andrew also oversaw the creation of compliance documents for the project. (2017–2020)

Specialized Training

- 3-day National Environmental Policy Act Compliance course, NPI, 2019
- CEQA-Historical Resource Lecture, 2008–2011
- Environmental Justice Lecture, California, 2011

Sarah Corder, MFA

HISTORIC BUILT ENVIRONMENT LEAD



Sarah Corder (*SARE-uh COR-der; she/her*) is an architectural historian with 17 years' experience throughout the United States in all elements of cultural resources management, including project management, intensive-level field investigations, architectural history studies, and historical significance evaluations in consideration of the California Register of Historical Resources (CRHR), the National Register of Historic Places (NRHP), and local-level evaluation criteria. Ms. Corder has conducted hundreds of historical resource evaluations and developed detailed historic context statements for a multitude of property types and architectural styles, including private residential, commercial, industrial, educational, and agricultural properties. She has also provided expertise on numerous projects requiring conformance with the Secretary of the Interior's Standards for the Treatment of Historic Properties.

Ms. Corder meets the Secretary of the Interior's Professional Qualification Standards for both Architectural History and History. She has experience preparing environmental compliance documentation in support of projects that fall under the California Environmental Quality Act (CEQA)/National Environmental Policy Act (NEPA), and Sections 106 and 110 of the National Historic Preservation Act.

Education

Savannah College of Art and Design
MFA, Historic Preservation, 2004

Bridgewater College
BA, History, 2002

Professional Affiliations

National Trust for Historic Preservation

Los Angeles Conservancy

California Preservation Foundation

Society for Architectural Historians

Select Project Experience

740-790 East Green Street Mixed-Use Project, City of Pasadena, Los Angeles County, California. The proposed project involves the demolition of five commercial buildings in order to accommodate the development of a new three- to six-story mixed-use building. Dudek prepared a cultural resources technical report that included the results of a pedestrian survey of the project site by a qualified architectural historian, building development and archival research, development of an appropriate historic context for the project site, and recordation and evaluation of five commercial properties over 45 years old for historical significance and integrity in consideration of NRHP, CRHR, and City of Pasadena designation criteria and integrity requirements. Responsibilities included archival research, field survey, and co-authorship of the report. (2020)

Historic Resource Assessment for 9000 Dicks Street, City of West Hollywood, California. Dudek was retained by 9000 Dicks Street Capital LLC to complete a Historic Resource Assessment (HRA) for a residential property located at 9000 Dicks Street in West Hollywood, California. The Spanish colonial revival residence was built in 1926. As a result of Dudek's study, the property did not appear eligible for the NRHP, CRHR, or as a locally significant resource, due to a lack of significant historical associations, architectural merit, and compromised integrity. Responsibilities included project management, archival research, and co-authorship of the HRA. (2020)

Historic Resource Assessment for 9004 Dicks Street, City of West Hollywood, California. Dudek was retained by 9004 Dicks Street Capital LLC to complete an HRA for a residential property located at 9004 Dicks Street in West Hollywood, California. The Spanish Colonial Revival residence was built in 1924. As a result of Dudek's study, the

property did not appear eligible for the NRHP, CRHR, or as a locally significant resource, due to a lack of significant historical associations, architectural merit, and compromised integrity. Responsibilities included project management, archival research, and co-authorship of the HRA. (2020)

Historic Resource Assessment for 1223-1225 North Ogden Drive, City of West Hollywood, California. Dudek was retained by 1223 Ogden, LLC to complete an HRA for a multi-family property with four buildings located at 1223-1225 North Ogden Drive in the City of West Hollywood, California. The Spanish Colonial Revival-style bungalow court was built in 1923. As a result of Dudek's study, the property at 1223-1225 North Ogden Drive did not appear eligible for the NRHP, CRHR, or as a locally significant resource, due to a lack of significant historical associations, architectural merit, and compromised integrity. Responsibilities included project management, archival research, significance evaluation, response to City comments, field survey, and co-authorship of the HRA. (2020)

Mira Mesa Community Plan Area Historic Context Statement and Focused Reconnaissance Survey, City of San Diego Planning Department, California. Dudek was retained by the City of San Diego to prepare a historic context statement identifying the historical themes and associated property types important to the development of Mira Mesa, accompanied by a reconnaissance-level survey report focused on the master-planned residential communities within the Mira Mesa Community Plan Area (CPA). While the historic context statement addressed all development themes and property types within the community, the scope of the survey was limited to residential housing within the CPA constructed between 1969 and 1990. This study was completed as part of the comprehensive update to the Mira Mesa CPA and Programmatic EIR. Served as project manager leading the survey efforts, senior architectural historian, and co-author of the historic context statement and survey reports. Also provided quality assurance/quality control (QA/QC) of survey information. (2020–Present)

Carol Kimmelman Sports and Academic Center Project, City of Carson, California. Dudek was retained to conduct a cultural resources study on the Victoria County Golf Course and associated recreation buildings for the proposed Kimmelman Sports and Academic Center. Conducted a record search, a pedestrian survey, archival and building development research, NRHP and CRHR evaluations, and impacts analysis. All golf course components associated with the Victoria County Golf Course were found not eligible under designation requirements. (2018)

HRA for 852-854 Westmount Drive, Metros Capital LLC, City of West Hollywood, California. Dudek was retained to complete an HRA for a multifamily residential property located at 852-854 Westmount Drive in the City of West Hollywood, California. The Spanish Colonial Revival-style duplex was built in 1924. The property appeared not eligible for the NRHP, CRHR, or City of West Hollywood register due to a lack of significant historical associations and architectural merit, and compromised integrity. Responsibilities included archival research and co-authorship of the report. (2018)

Gilroy Citywide Historic Resources Inventory and Historic Context Statement, City of Gilroy, California. Dudek worked with the City of Gilroy to prepare a citywide historic context statement and update its 1986 historic resource inventory. For the purposes of this project, Dudek developed highly detailed and efficient iPad field forms that allow surveyors to record a property in less than 5 minutes and provide the city with real-time survey data. As survey lead, completed reconnaissance-level survey of over 3,400 properties on time and within budget. Also served as a senior architectural historian for the project and co-authored the historic context statement, attended the public kick-off meeting, prepared DPR forms, developed registration requirements, performed QA/QC on DPR forms, and worked closely with the geographic information system (GIS) team to facilitate the final digital mapping components for the project. (2018–2020)

Kathryn Haley, MA

HISTORIC BUILT ENVIRONMENT LEAD

Kathryn Haley (*KATH-rin HAY-lee; she/her*) is a historic built environment resource specialist/senior architectural historian with 19 years' professional experience in historic/cultural resource management. Ms. Haley has worked on a wide variety of projects involving historic research, field inventory, and site assessment conducted for compliance with Section 106 of the National Historic Preservation Act (NHPA), National Environmental Policy Act (NEPA), and California Environmental Quality Act (CEQA). Ms. Haley specializes in large scale surveys, inventory and evaluation reports that evaluate built environment resources under the California Register of Historical Resources (CRHR); the National Register of Historic Places (NRHP); and local significance criteria. She has prepared numerous Historic Resources Evaluation Reports (HRERs) and Historic Property Survey Reports (HPSRs) for the California Department of Transportation (Caltrans). She meets the Secretary of the Interior's Professional Qualification Standards for historian and architectural historian. Moreover, Ms. Haley has served as project manager, coordinator, quality assurance/quality control (QA/QC), historian, and researcher for a wide variety of projects. She is also experienced in the preparation of Historic American Building Survey (HABS), Historic American Engineering Record (HAER), and Historic American Landscape Survey (HALS) documents, as well as the preparation for National Register nominations.



Education

California State University, Sacramento MA, Public History, 2004

California State University, Sacramento BA, History, 2001

Professional Affiliations

California Council for the Promotion of History (former Treasurer)

California Preservation Foundation

Dudek Project Experience

On-Call Services for Department of Water Resources, Operations and Maintenance Division, State of California. Dudek was retained by the State of California's Department of Water Resources (DWR), Operations and Maintenance Division (O&M), to assist in a wide range of on-going environmental compliance efforts. Under this on-call contract, Ms. Haley serves as project manager for a task order focused on assisting DWR in efforts to streamline cultural resources environmental documentation for O&M projects. Dudek is also preparing several built environment technical reports for several projects under this contract. She provided senior-level guidance throughout each task order and QA/QC on a standardized historic context statement for State Water Project (SWP), as well as Historical Resources Technical Reports for various SWP maintenance projects. Technical reports have been prepared for O&M projects at the following structures (2020–Present):

- Oroville Dam and spillway (2022)
- Cedar Springs Dam and spillway (2022)
- South Bay Aqueduct (2021)
- Patterson Dam and reservoir (2021)
- Clifton Court Forebay (2021)
- segments of the California Aqueduct (2020-2021)
- San Luis Field Division Operations and Maintenance Center (2021, 2022)

- Gianelli Pumping-Generating Plant (2022)
- Dos Amigos Pumping Plant (2021, 2022)
- Coalinga Operations and Maintenance Subcenter (2021)
- B.F. Sisk Dam/San Luis Reservoir Historic District (2021, 2022).

Judicial Council of California Historical Resource Evaluation Report for the Stanley Mosk Courthouse, City of Los Angeles, Los Angeles County, California. To comply with PRC Section 5024(b), the Judicial Council of California (JCC) must submit to SHPO an inventory of all structures over 50 years of age under JCC jurisdiction that are listed in or that may be eligible for inclusion in the NRHP, or registered or that may be eligible for registration as a California Historical Landmark (CHL). The Stanley Mosk Courthouse was found eligible for designation for the NRHP, CHL, CRHR, and Los Angeles Historic Cultural Monument list under Criterion A/1 and C/3. Provided QA/QC for the final report. Ms. Haley provided senior technical direction and QA/QC for this project. (2019)

Globemaster Corridor Specific Plan, City of Long Beach, Los Angeles County, California. The project proposed to implement the Globemaster Corridor Specific Plan (GCSP), a planning and regulatory framework for redevelopment of an area adjacent to the Long Beach Airport and the surrounding residential and business community, which includes rezoning portions of the GCSP area, and a mobility plan that implements new streets and pedestrian connectors. Since the GCSP does not directly propose changes to the buildings or structures in the Plan area, the cultural resources report takes a programmatic overview and offers potential impacts analysis and mitigation measures for future development. Provided QA/QC for the Draft EIR/Environmental Impact Statement (EIS) Cultural Resources Chapter for the GCSP project. (2018)

California State University, Chico, Master Plan EIR, City of Chico, Butte County, California. Served as lead architectural historian and co-author of the cultural resources technical study prepared in support of the California State University (CSU) Chico Master Plan EIR. Her role in the preparation of the study included the required exterior survey of campus and university farm buildings and in some cases, interior survey fieldwork involving all buildings and structures on campus over 45 years of age scheduled for demolition and/or substantial alteration as part of Phase 1 and 2 of the proposed Master Plan. This project also entailed extensive archival research and the preparation of historic context covering the development of the CSU system and the CSU Chico campus, and the preparation of significance evaluations and accompanying DPR forms for each resource. (2019-2020)

Previous Project Experience

California High-Speed Rail from San Jose to Merced and Central Valley Wye Project Sections, California High-Speed Rail Authority/Parsons Transportation Group, Various Counties in California. Ms. Haley served as lead historian and project coordinator for architectural history for the San Jose/Merced and Central Valley Wye Project Sections. She led the built environment field surveys and property-specific historical research, co-wrote technical reports, and assisted in preparing the EIR/EIS cultural resources section. All work was conducted according to stipulations in the Section 106 programmatic agreement written specifically for the project and in coordination with the California High-Speed Rail Authority. While working on these project sections, participated in surveying more than 1000 buildings. She played a key role in managing the survey data and evaluating built environment resources under NRHP and CRHR criteria, as well as ensuring the proper documentation of locally designated CEQA historical resources. (2010–2018)

Appendix B

DPR forms for The Derby Restaurant

State of California ♦ The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

PRIMARY RECORD

Primary #
HRI #
Trinomial
NRHP Status Code 6Z

Other Listings
Review Code Reviewer Date

Page 1 of 16 *Resource Name or #: (Assigned by recorder) 233 E. Huntington Drive
P1. Other Identifier: The Derby Restaurant
*P2. Location: ☐ Not for Publication ■ Unrestricted
*a. County Los Angeles and (P2c, P2e, and P2b or P2d. Attach a Location Map as necessary.)
*b. USGS 7.5' Quad Mt. Wilson, CA Date 1996 (2001 ed.) T 1N; R 11W; S27 ☐ of Sec Los Angeles B.M.
c. Address 233 E. Huntington Drive City Arcadia Zip 91006
d. UTM: (Give more than one for large and/or linear resources) Zone 11S, 405582 mE/ 3778177 mN
e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, decimal degrees, etc., as appropriate)
Latitude: 34.14022, Longitude: -118.02408; APN: 5773-009-070

*P3a. Description: (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)
The Derby Restaurant located at 233 E. Huntington Drive was originally constructed in the Spanish Colonial Revival style in 1931. As the restaurant currently exists, it is a two-story, building with Ranch and neo-Craftsman features topped by a gable-on-hip roof with open eaves. Irregular in plan, the building is clad in clinker brick on the façade and has stucco cladding on secondary elevations. See Continuation Sheet.

*P3b. Resource Attributes: (List attributes and codes) HP6. 1-3 story commercial building
*P4.Resources Present: ■ Building ☐ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other (Isolates, etc.)
P5b. Description of Photo: (view, date, accession #) Primary elevation (south) view to north (IMG_0622)
*P6. Date Constructed/Age and Source: ■ Historic ☐ Prehistoric ☐ Both
1931 (Arcadia Tribune)

P5a. Photograph or Drawing (Photograph required for buildings, structures, and objects.)



*P7. Owner and Address:
Elite Holding and Assn. LLC, 205 Highland Place, Monrovia, CA 91016

*P8. Recorded by: (Name, affiliation, and address) Andrew Bursan, MCRP, Dudek, 38 N Marengo Ave, Pasadena, CA 91101

*P9. Date Recorded: December 28, 2021

*P10. Survey Type: (Describe)
Intensive

*P11. Report Citation: (Cite survey report and other sources, or enter "none.")
Built Environment Inventory and Evaluation Report for the proposed Derby Mixed Use Project in the City of Arcadia, California. 2022. Dudek.

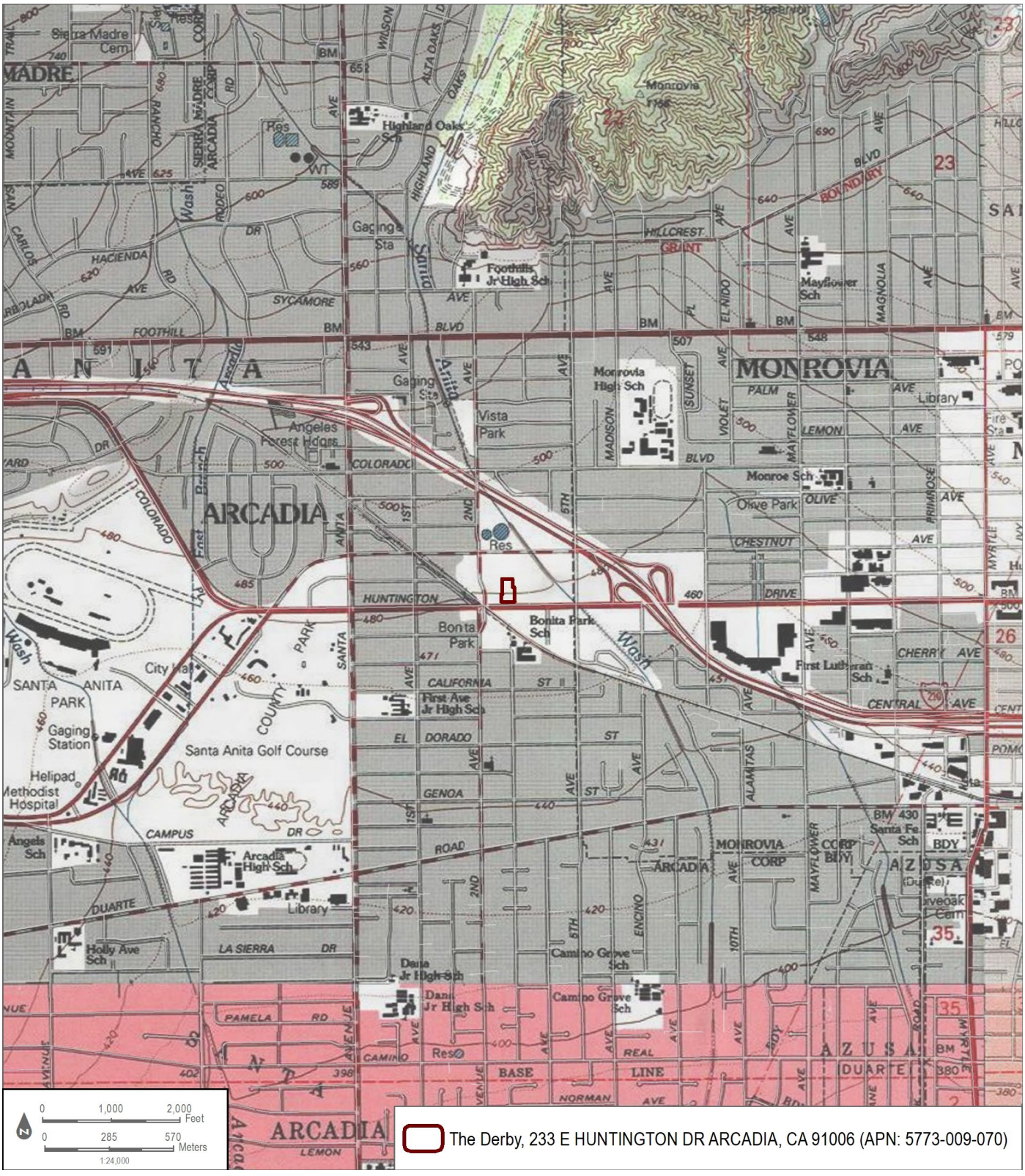
*Attachments: ☐NONE ■Location Map ■Continuation Sheet ■Building, Structure, and Object Record
☐Archaeological Record ☐District Record ☐Linear Feature Record ☐Milling Station Record ☐Rock Art Record
☐Artifact Record ☐Photograph Record ☐ Other (List):

State of California ◆ Natural Resources Agency
DEPARTMENT OF PARKS AND RECREATION

LOCATION MAP

Primary #
HRI#
Trinomial

Page 2 of 16 *Resource Name or # (Assigned by recorder) 233 E. Huntington Drive
*Map Name: Mt. Wilson, CA *Scale: 1:24,000 *Date of map: 1996 (2001 ed.)



State of California ◆ The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

Primary #
HRI#

BUILDING, STRUCTURE, AND OBJECT RECORD

*Resource Name or # (Assigned by recorder) 233 E. Huntington Drive *NRHP Status Code 6Z
Page 3 of 16

B1. Historic Name: 233 E. Huntington Drive
B2. Common Name:
B3. Original Use: Commercial Building B4. Present Use: Commercial Building
*B5. Architectural Style:
*B6. Construction History: (Construction date, alterations, and date of alterations)

- Restaurant remodel (no details) for $3,500, Certificate of Occupancy 13391 (1948)
- 18-foot expansion around the entire exterior of the original building including the primary south façade, Owner Domonic Sturniolo (1951)

See Continuation Sheet.

*B7. Moved? ■No ☐Yes ☐Unknown Date: Original Location:
*B8. Related Features:

B9a. Architect: N/A b. Builder: Hudson M. Proctor
*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.)

As a result of the evaluation, the Derby Restaurant at 233 E. Huntington Drive is not eligible for listing in the NRHP, CRHR, or as a City of Arcadia historic landmark individually or as part of an existing historic district, as demonstrated below. See Continuation Sheet.

B11. Additional Resource Attributes: (List attributes and codes)
*B12. References:

See Continuation Sheet.

B13. Remarks:

*B14. Evaluator: Andrew Bursan, MCRP, Kathryn Haley, MA
*Date of Evaluation: February 10, 2022, Updated June 2023

(This space reserved for official comments.)

(Sketch Map with north arrow required.)



*P3a. Description (continued):

A decorative vent and vertical half-timbering highlight gables on the west end of the building (Photograph 2). Fenestration is non-original, fixed pane, stained glass windows on all elevations. A straight brick walkway leads from the sidewalk to the main entrance shelter with wood column supports and a wood door entrance on the west end of the primary south elevation. A circular clinker brick chimney rises from the southeast corner of the building (Photograph 3). A small second-story office, which is obscured by the primary roof pitch at the front of the building, is located at the rear (Photograph 4). A side-gabled roof wing projecting from the west elevation covers an open patio area. A canopy structure attached to the rear of the buildings provides additional patio sheltering (Photograph 5). The interior walls are adorned with horse racing memorabilia, including paintings, and photographs that likely date between the 1930s to the mid-to-late 1940s. Due to extensive modifications to the building over time interior remnants of the original 1931 building are difficult to clearly identify (Photograph 6).

Associated features that surround the restaurant building include, two free-standing neon signs front the building along E. Huntington Drive (Photographs 7 and 8). The westernmost sign reads "Guest Parking", with an arrow and bowler hat surrounding the lettering, and the easternmost sign reads "World Famous, The Derby" with a red background. A small lawn with shrubs and a three-foot-high brick fence front the primary elevation. A parking lot surrounds the remainder of the building and mature trees line the parcel boundary. The Derby Restaurant building is flanked by two 1980s-era multi-story hotels to the northwest and northeast and a restaurant directly to the east.



Photograph 2. The Derby Restaurant: South (primary) elevation, view looking northeast (IMG_0622)



Photograph 3. The Derby Restaurant: South (primary) elevation, view looking north (IMG_0625)



Photograph 4. The Derby Restaurant: East elevation, view looking northwest (IMG_0566)



Photograph 5. The Derby Restaurant: North (rear) elevation, view looking southwest (IMG_0578)



Photograph 6. The Derby Restaurant: West elevation, view looking northeast (IMG_0594)



Photograph 7. The Derby Restaurant: West view of a freestanding sign along E. Huntington Drive (IMG_0564)



Photograph 8. The Derby Restaurant: West view a freestanding sign along E. Huntington Drive (IMG_0599)

*B6. Construction History (continued):

- Sign permit for $480, Permit #520 (1961)
- Conference room addition, owner Dustin Nicolarsen (Circa 1969)
- Open patio for $14,076, Permit #B00-002-704 (1999)
- 576 square foot outdoor patio with the removal of ceiling coverings for outdoor walls, Permit #B00-009-895 (2001)
- Removal and replacement of brick on exterior elevations, owner Dustin Nicolarsen (Circa 2001)
- Addition of a 1,200 square foot roofed patio for $23,299, Permit #B00-019-678 (2006)
- Masonry garden wall for $2,267, Permit B00-038-522 (2011)
- New masonry fireplace for $10,000, Permit B00-045-848 (2014)
- Non-enclosed patio added, owner Dustin Nicolarsen (2020)

*B10. Significance (continued):

Historic Context

Historical Overview of the City of Arcadia and its Downtown Commercial Core

After the annexation of California to the United States, Henry Dalton applied for a land patent to Rancho Santa Anita with the Public Land Commission, as required by the Land Act of 1851. The rancho went through several owners until 1875, when Rancho Santa Anita was sold for $200,000 to Elias Jackson "Lucky" Baldwin. Baldwin was a wealthy landowner who had gained fame and fortune by investing in Nevada's Comstock Lode mine. Baldwin owned several ranchos east of Los Angeles and invested heavily in their development. After Baldwin purchased the rancho, he hired a property manager and began to arrange for multiple improvements, including large-scale orange orchards, irrigation systems, and a distillery and wine production operation. Most notably, he started a training track and stables for racehorses (ARG 2016, p. 16; Eberly 1953, pp. 12-14; McAdam and Snider 1981, pp. 14-15).

Though there was an economic downturn in the 1870s and Baldwin went into debt, he retained several of his properties and saw success during the land boom of the 1880s. Adjacent development in Monrovia and Sierra Madre, cities close to Rancho Santa Anita, inspired Baldwin to subdivide his land in 1883. The Santa Anita Tract was located between Monrovia to the east and Baldwin's large estate house to the west. Baldwin also secured the right-of-way for the Los Angeles & San Gabriel Valley Railroad to pass through the Santa Anita Tract, as well as water rights in Santa Anita and Little Santa Anita canyons. Baldwin developed other amenities and attractions for the area, including the construction of the Oakwood Hotel, creating tourist excursions to the surrounding mountains, lining Santa Anita Avenue with eucalyptus trees, and continuing to breed and train racehorses. By 1886, Atchison Topeka & Santa Fe (AT&SF) Railroad had purchased the railroad, and the tracks reached the Santa Anita Tract townsite. By 1887, the town was being referred to as Arcadia. Baldwin's speculative development made the town appear so successful that another railroad, the San Gabriel Valley Rapid Transit Railroad, built a depot and began offering rail service to the town. Despite this, by the end of the 1880s, the town had less than 200 residents (ARG 2016, pp. 18-19, 23; Eberly 1953, pp. 32-33; McAdam and Snider 1981, pp. 20-21).

Baldwin continued to grow the community in the 1890s and 1900s, helping to develop the town. In 1902, when the Pacific Electric Railway announced it would construct the Pasadena Short Line from Pasadena to Monrovia, Baldwin interceded with the company and negotiated for service to Arcadia. He also filed to incorporate Arcadia in 1903 and was immediately appointed mayor. Baldwin's intent was not necessarily to grow the town, but to gain traction for a business proposal and long-time hobby: establishing a horse-racing track at Arcadia. The town grew, with a small commercial business district emerging along Falling Leaf Avenue (later, Huntington Drive). On the west side of Santa Anita Avenue, adjacent to the business corridor and railroad depots, Baldwin built Santa Anita Park, a racetrack, in 1907. Baldwin died in February 1909. Just a month later, the State of California passed a bill

banning racetrack gambling and the Santa Anita Racetrack was closed. The original racetrack burned down in 1912 (ARG 2016, pp. 28-29; Eberly 1953, pp. 40, 49, 52-53; McAdam and Snider, p. 61).

In the beginning of the twentieth century, commercial growth in Arcadia continued to be concentrated along Falling Leave Avenue. General improvements in the city included gas and electric utilities, streetlights, a municipal water system, a dedicated city-operated fire department, and graded and paved roads. Banks, schools, hotels and residential subdivisions were constructed in the townsite. Falling Leaf Avenue was paved, widened, and renamed Huntington Drive in 1913. The United States' entry into World War I had an impact on the city's development patterns. The Ross Field Balloon School was established by the U.S. Army at the Santa Anita Racetrack site. During the war years, 3,500 recruits were hosted at Ross Field. Arcadia expanded from 696 citizens in 1910 to 2,239 in 1920 (ARG 2016, pp. 37-40; Eberly 1953, p. 59-75; McAdam and Snider 1981, pp. 96, 109).

A new downtown commercial corridor and civic center began to form along Huntington Drive in the late 1910s and 1920s. In 1918, Arcadia's first City Hall was erected at Huntington Drive and First Street. Eventually, several civic buildings, including the library, police department, fire department, and a community center would emerge north of the City Hall building, on Wheeler Avenue. During the 1920s, several commercial businesses erected buildings on Huntington Drive, including the Arcadia Theatre, a drive-in market at Huntington Drive and First Avenue, and other grocery and dry goods markets. To the north of the commercial district, industrial properties began to concentrate along the AT&SF and SP railroad tracks, especially near the intersection of Santa Clara Street and the railroad tracks. Outside of the town's central core, new residential subdivisions were created by dividing large land tracts into smaller plots. Several agricultural tracts in and around Arcadia were also dedicated to poultry raising, which remained a common land use in Arcadia through the 1930s (ARG 2016, pp. 47-50; McAdam and Snider 1981, pp. 109-110).

In 1933, the State of California reintroduced racetrack wagering, reversing their 1909 anti-gambling position. By Christmas 1934, a new Santa Anita Park racetrack was opened by the Los Angeles Turf Club. With the end of Prohibition in 1933, the town became a destination for local gambling, sports betting, and alcohol consumption. The City also received a generous WPA grant to create a 184-acre public park at Santa Anita Regional Recreational Center (Arcadia County Park), which boasted an 18-hole golf course, pools, and tennis courts, open to the public. In the 1930s, Anita Baldwin, daughter of E.J. Baldwin, sold 1,300 acres of inherited property to be developed by Rancho Santa Anita, Inc. Rancho Santa Anita, Inc. parceled the large acreage into residential subdivisions, including Santa Anita Village, the Rancho, the Upper Rancho, Santa Anita Gardens, and Colorado Oaks. The effect of these investments and increased visitation, despite the national Depression, led to the City of Arcadia experiencing moderate growth in the 1930s, with "new buildings, new businesses, public improvements and home construction" taking place almost daily (Eberly 1953, p. 118). By 1940, the City's population expanded to 9,122 citizens.

During World War II, Arcadia's Santa Anita Racetrack played a large role in the Executive Order 9066 removal of Japanese-Americans from their homes and subsequent internment, serving as an assembly center in 1942. The War Department took over the racetrack. Nearly 400 barracks buildings were erected around the grandstand building. In addition to housing Japanese-Americans before they were sent to internment camps, the racetrack was also used to hold 2,000 German and Polish prisoners of war. During the war, the City of Arcadia experienced little population or built environment growth (Arcadia Historical Society 2008, p. 73; ARG 2016, pp. 53-55, 60-62; Eberly 1953, pp. 118-122; Kovacic 2003, pp. 23-24; McAdam and Snider 1981, pp. 127, 148).

In the post-war period, like all of Southern California, the City of Arcadia experienced massive population growth and a building boom. The population of Arcadia increased from 9,122 people in 1940 to 23,066 people in 1950. Much of the town's growth was financed through Veterans' loans and Federal Housing Administration mortgage-promoted home building. In the downtown commercial core, all remaining empty lots were developed, and other commercial corridors emerged along Duarte Road and Foothill Boulevard (U.S. Route 66). Commercial shopping centers and commercial strips in these areas were designed to take advantage of automobile traffic as other modes

of transportation, including the Pacific Electric Red Cars, ended service in the 1950s. Notable institutional growth during this period included the creation of the Los Angeles State and County Arboretum, which was carved out of remaining undeveloped Rancho Santa Anita land in 1947. It opened to the public in 1955. The City's population growth continued, expanding to 41,005 people in 1960 (ARG 2016, pp. 65-66; Kovacic 2003, pp. 322-326; McAdam and Snider 1981, pp. 163-165).

Suburban sprawl, commercial growth, shopping centers, and a booming population characterized Arcadia in the 1960s and 1970s. Civic development included expanding the number of grammar and high schools, new libraries, and the fire and police departments. By 1968, the Foothill Freeway (now Interstate 210) was completed through Arcadia. It continued east towards San Dimas by 1971. Multiple attempts were made to expand the downtown commercial core along Huntington Drive by permitting high-rise buildings. These efforts were defeated in the 1960s and 1970s, resulting in a height limit of eight stories. One project built to this limit was the Towne Center Project, completed in 1971 (see Section 3.5). Noteworthy commercial development away from the downtown commercial core was the Santa Anita Fashion Park, an indoor mall designed by Victor Gruen of Gruen Associates and opened in 1975.

In the 1980s and 1990s, the demographics of Arcadia changed dramatically, and the formerly majority-Caucasian city quickly transformed into a predominantly Asian-American community. The Asian-American community comprised 9% of the population in 1980. Over the next few decades, the community grew to 59% of the population by 2010. In addition to shifting demographics, commercial and industrial land uses have also changed in Arcadia. In 1996, the City published a General Plan to revitalize the downtown district. From the early 2000s to the present-day, single-family residences, townhomes, and condominiums have been constructed in formerly industrial and commercial areas around the two-block downtown commercial core of Huntington Drive. Today, the downtown commercial core is a mixed-use, primarily commercial area (Arax 1985; ARG 2016 pp. 77-78; City of Arcadia 2010b, p. 53, 2010c, p. 3; Kovacic 2003, pp. 126-127, 326; Kovacic 2013, pp. 59-61, 68; McAdam and Snider 1981, pp. 175-177).

Relevant Themes

Restaurants, 1880-1980

To better understand the restaurant property type, Dudek utilized the following SurveyLA context relevant to the evaluation of The Derby Restaurant since themes present in nearby Los Angeles apply regionwide:

> "Commercial Development" under the theme "Neighborhood Commercial Development, 1880-1980" and more specifically, the sub-theme "Restaurants, 1880-1980." The period of significance for Restaurants is 1880–1980.

The Derby Restaurant was referred to as a café or tavern in newspaper ads during its history in Arcadia. The café was a type of establishment that could be found on the main streets of small towns as well as in neighborhood commercial areas that operated similarly to small towns. Between 1910 and 1940, the neighborhood café operated as a social meeting place. The interior area was long and thin, with a counter on one side, tables or booths on the other, and the kitchen at the back.

Restaurants, such as cafes, may be historically notable in terms of commerce, social history, and/or architecture. They show the progression of the local restaurant from the café and luncheonette, which were commonly situated in rented storefront spaces, to the free-standing tearoom, destination restaurant, coffee shop, and walk-up food stand. They also show how the local restaurant frequently served as essential and well-known gathering and socializing spaces, creating a feeling of community identity. These restaurants may be affiliated with local,

regional, or national chains, and they may reflect prototype/corporate designs that are noteworthy examples of architectural styles and were developed by well-known architects (Prosser 2017, pp. 100-112).

Character-Defining / Associative Features:

- Features architectural and site-planning elements typical of neighborhood restaurants in both a pedestrian-oriented storefront form and an auto-oriented freestanding form
- May reflect prototype/corporate designs associated with specific restaurant chains
- May be associated with notable architects/designers
- Associated with activities characteristic of neighborhood economic and social life

Commercial and Recreational Development, 1910- 1935

The Derby Restaurant is also associated with the theme of commercial and recreational development in Arcadia from 1910-1935 as highlighted in Arcadia's 2016 Citywide Historic Context Statement. In the 1920s and 1930s, several businesses were added to the existing commercial district centered around Huntington Drive and 1st Avenue, including a theater, banks, a newspaper, various retail and service operations in new commercial blocks, and even a drive-in market. Only a few commercial properties from the 1920s and early 1930s remain in the district, including a former shoe shop and grocery store (1923) at 323-325 N. 1st Avenue (heavily altered; now Arcadia Welfare and Thrift) and the former Arcadia Tribune (1930) at 8 N. 1st Avenue.

Due to the restaurant's proximity to the Santa Anita Race and horseracing theme, it shared a connection to horseracing and the supporting commercial businesses. In the early 1930s, the majority of Arcadia's economic development was focused on the establishment of the Santa Anita Park and Racetrack, as well as the expansion of Highway 66 through the city. Santa Anita Park, which opened on Christmas Day 1934, immediately became Arcadia's hallmark icon, attracting Hollywood stars and racegoers from miles around.

The development of the racetrack was a huge boost to Arcadia, providing both money and favorable attention to the community during the Great Depression. Businesses capitalized on the flood of racetrack visitors by building hotels, restaurants, and tourist attractions such as W. Parker Lyon's showy Pony Express Museum (now closed), which housed a massive collection of "Wild West" artifacts. In 1931, Huntington Drive and Colorado Boulevard were built through the Baldwin Ranch to link to transcontinental Highway 66. By 1932, the highway had been divided between Foothill Boulevard and a piece of Huntington Drive. Businesses benefited from the extension of Highway 66, which saw the construction of service stations, drive-in markets, and motor courts to serve vehicles along the route (ARG 2016, pp. 47-50).

History of the Subject Property

The history of The Derby Restaurant dates to the 1920s when owner Hudson M. Proctor opened the "Proctor Tavern" in 1922 at Foothill Boulevard and Santa Anita Avenue in Arcadia. It appears that by 1926, the restaurant was known as "Proctor's Foothill Tavern" and specialized in fried chicken meals. By 1931, Proctor closed the restaurant on Foothill Boulevard and opened a new "Proctor's Tavern" restaurant at 233 E. Huntington Drive which would later house The Derby Restaurant (Arcadia Tribune 1931, pp. 1). Built in the Spanish Colonial Revival style, the new restaurant included two dining rooms, each with a fireplace, as well as an upstairs apartment. The restaurant would change hands several times during the 1930s and a 1934 advertisement shows that Proctor sold the restaurant to W. B. De Beers who renamed it "Ye Derby Tavern" (Arcadia Tribune 1934, pp. 10).

The ownership changes ultimately culminated in a grand 're-opening' in December 1938 by co-owners Bill Petersen and legendary jockey George "The Iceman" Woolf. By this time the restaurant was referred to under its

present moniker, The Derby. Woolf, a highly successful horseracing jockey who is best known for riding the famed horse Seabiscuit in 1938, owned the restaurant until his untimely death in a 1946 horseracing fall. Woolf's fame as a jockey increased the popularity of the restaurant and tightened the restaurant's connection to horseracing. Woolf's widow ran the restaurant for another five years, but ultimately sold the restaurant to Dominic and Lorene ("Murph and Slugger") Sturniolo in 1951 (Arcadia Tribune 1951, pp. 1). These longtime owners would maintain the restaurant's horseracing theme, which had been established in the 1930s. This included maintaining a showcase with Woolf's racing memorabilia at the front of the restaurant. Upon taking ownership, the Sturniolos expanded the size of the restaurant by adding to the primary (south) and west elevations of the original restaurant to accommodate more diners. This remodel effectively removed all elements of the former Spanish Colonial Revival style of the building and landscaping including its clay tile roof, façade, original signage, and the oak tree that fronted the building. The restaurant specialties included steak, Baked Alaska, and drinks like cappuccinos and Irish Coffee. In 1964, owner Dominic Sturniolo acquired a chandelier once belonging to Arcadia founder Lucky Baldwin, which currently hangs before the main dinner room. In the 1940s and 1950s, the restaurant featured music by piano player Tony Antista, who was a popular local entertainer until his death in 1961 (Mutschler 1983, pp. 1-7).

Besides their 1950s restaurant addition, the Sturniolos made another large patio addition to the western end of the building in 1999, when Dominic and Lorene's son Charles "Chip" Sturniolo was owner. After the Sturniolos' long and successful tenure, Dustin Nicolarsen acquired the restaurant in 2007 and is the current owner.

Significance Evaluation

In accordance with CEQA, all buildings or structures over 45 years in age within or immediately adjacent to the property were evaluated for historical significance and integrity in consideration of NRHP, CRHR, and City of Arcadia designation criteria and integrity requirements. This includes The Derby Restaurant. Because the designation criteria for the CRHR and City of Arcadia landmarks closely resembles the NRHP Criteria, these evaluations are grouped together below.

NRHP/CRHR/City of Arcadia Statement of Significance

The Derby Restaurant at 233 E. Huntington Drive is not eligible for listing in the NRHP, CRHR, or as a City of Arcadia historic landmark individually or as part of an existing historic district, as demonstrated below.

Criterion A/1/1: That are associated with events that have made a significant contribution to the broad patterns of our history.

Located along E. Huntington Drive which is portion of the original Route 66 alignment and originally established at its current location in 1931, The Derby Restaurant gained prominence during the 1930s and through the late 1940s as a gathering spot for the horse racing community. This connection between the restaurant and the horseracing community developed due to its proximity to the Santa Anita Park and through its former owner George "The Iceman" Woolf, who was best known for riding the famed horse Seabiscuit. During Woolf's ownership period of The Derby from 1939 to 1946, the restaurant grew in popularity as a horseracing community gathering spot with celebrity status that featured Woolf's vast collection of horseracing memorabilia. Woolf owned the restaurant until his untimely death in 1946 due to falling off a horse during a race. Woolf's fame as a jockey increased following his death along with the popularity of the restaurant, which enhanced the restaurant's connection to the horseracing community. Woolf's widow, Genevieve Woolf Cayer, ran the restaurant until 1951 when she sold the operation of the restaurant to Dominic and Lorene ("Murph and Slugger") Sturniolo (Dominic Restaurants, Inc.) in 1951 (Arcadia Tribune 1951, pp. 1). By this time, The Derby was a well-known southern California establishment. The new owners continued to maintain the restaurant, exhibiting Woolf's collection of horseracing memorabilia, and emphasizing Woolf's legacy.

In consideration of these factors, The Derby Restaurant, has associations with a pattern of events that have made contributions to the development of the horseracing community under NRHP Criterion A, CRHR Criterion 1, and City of Arcadia Historic Landmark Criterion 1. The period of significance for the subject property is 1931 to 1951; spanning the year the restaurant was first established at its location, to the date that the property was no longer operated by the Woolf family. This is the period in which the restaurant grew in popularity, became a well-known establishment, and solidified its link to the horse racing community. The property's ability to convey significance under this Criterion is addressed below in the integrity discussion.

Criterion B/2/2: That are associated with the lives of persons significant in our past.

To be considered eligible under NRHP Criterion B, CRHR Criterion 2, or City of Arcadia Historic Landmark Criterion 2 the property must be directly tied to an important person and the place where that individual conducted or produced the work for which he or she is known. In the case of The Derby Restaurant, the people who have owned and operated the restaurant are discussed below.

The Derby Restaurant was originally constructed by owner Hudson M. Proctor in 1931, who owned the restaurant until approximately 1934. Proctor appears to have been a local businessman, but research did not reveal him to be a person of great local importance. Famed horseracing jockey George Woolf owned the restaurant from December of 1938 until his death in 1946. While George Woolf is historically significant as a horse racing jockey, the connection to the work he is known for, horseracing, is shown through the memorabilia that remains inside the restaurant. However, The Derby Restaurant is not where he performed the work for which he is known (i.e., horse racing). Woolf is famous for his career as a jockey and his productive years are most closely associated with the Santa Anita racetrack where he famously raced. A statue of Woolf was erected at the Santa Anita racetrack in 1949 and it remains at the site today. The racing facility serves as a more intact representative example of his career than The Derby Restaurant that he briefly owned.

Dominic and Lorene ("Murph" and "Slugger") Sturniolo and their son Chip owned the restaurant for most of its history (1951-2007) until selling the restaurant in 2007. While the family was successful and well regarded as local businesspeople in Arcadia, there is no evidence that they are prominent people or known to be historic figures at the national, state, or local level. Lacking a direct association with an individual's important achievements for which they are known, The Derby Restaurant is not eligible under NRHP Criterion B, CRHR Criterion 2, or City of Arcadia Historic Landmark Criterion 2.

Criterion C/3/3: That embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction.

Hudson M. Proctor constructed the building that would ultimately come to be known as The Derby Restaurant in 1931 in the Spanish Colonial Revival style. He was reported in a few articles to have experience in construction, and he did not hire a contractor or architect to design the building. Owners Dominic and Lorene Sturniolo completely remodeled the restaurant in 1951 with additions to the primary and west elevations that removed all former Spanish Colonial Revival elements in addition to removing original freestanding signage and removing the large oak tree that once fronted the building. Beyond the upstairs office, no elements of the 1931 era building remain.

Since the late 1990s, the restaurant has experienced large additions to the west elevation, removal of original exterior brick, and the addition of new exterior chimneys. Due to numerous alterations, the building no longer possesses any character-defining features of the 1930s Spanish Colonial Revival style. Although the building as it currently stands features Ranch and neo-Craftsman elements, it no longer possesses a discernable architectural style. In addition, the restaurant no longer exhibits the architectural and site-planning elements of

its original 1930s era cafe restaurant type due to alterations. Lacking architectural distinction, or any known connection with the work of a master architect, The Derby Restaurant is not eligible under NRHP Criterion C, CRHR Criterion 3, or City of Arcadia Historic Landmark Criterion 3.

Criterion D/4/4: That have yielded, or may be likely to yield, information important in prehistory or history.

The Derby Restaurant is not significant under Criterion D of the NRHP, Criterion 4 of the CRHR, or City of Arcadia Historic Landmark Criterion 4 as a source, or likely source, of important historical information nor does it appear likely to yield important information about historic construction methods, materials, or technologies.

Integrity Discussion

To be eligible for listing in the NRHP, CRHR, or as a landmark in the City of Arcadia, properties must have a clear association under one or more Criterion and retain historic integrity to the period of significance established under the Criterion for which it has an association.

As stated above, The Derby Restaurant, has associations with events that have made significant contribution to broad patterns of our history under NRHP Criterion A, CRHR Criterion 1, and City of Arcadia Historic Landmark Criterion 1 (Criterion A/1/1). The period of significance for the subject property is 1931 to 1951; spanning the year the restaurant was first established at its location, to the date that the property was no longer operated by the George Woolf or his wife. This is the period in which the restaurant grew in popularity, became a well-known establishment, and solidified its link to the horse racing community.

Despite a clear association under Criterion A/1/1, alterations to the property since 1951 have modified the property to extent that it appears to be a building constructed in the latter half of the twentieth century, not to the 1931 to 1951 period when the building was originally constructed and gained prominence as a restaurant associated with the horseracing community through Woolf. Despite the connection to Woolf that remains through his horseracing memorabilia collection featured in the interior, the interior space has been altered since 1951 to the extent that even with elements of the collection exhibited the connection to the period of significance has been lost. Additionally, no exterior elements of the restaurant remain from the historic era establishment that Woolf would recognize. The original Spanish Colonial Design of the building has been completely altered, original signage removed, and large oak tree fronting the building has also been removed. The building now surrounded by paved parking lots, and more recent commercial building construction. These modifications have resulted in dismantling the connection to the period when the restaurant became “The Derby,” 1931 to 1951; the period of significance for the subject property. In summary, the loss of integrity in the areas of design, materials, workmanship, setting and feeling, has caused the property to no longer be capable of conveying an association to the period of significance (1931 to 1951) when it was first developed and the connection for which it is known.

Despite The Derby Restaurant’s association under NRHP Criterion A, CRHR Criterion 1, or City of Arcadia Historic Landmark Criterion 1, the substantial loss of historic integrity to its period of significance precludes the property from being considered eligible for listing.

Additional City of Arcadia Criteria Considerations

In addition to meeting City of Arcadia Criterion 1 through 4, for a resource to be found significant as a City of Arcadia historic landmark it must be listed in the NRHP or CRHR (Criteria 5) or considered an iconic property (Criteria 6). The Derby Restaurant, as stated above, does not meet Criteria 1 due to a lack of historic integrity to its period of significance and the property does not meet Criterion 2 through 4 due to a lack of significance. As

such the property is not eligible for listing as a City of Arcadia historic landmark.

Summary of Evaluation Findings

In summary, The Derby Restaurant at 233 E. Huntington Drive is not eligible for listing in the NRHP, CRHR, or as a City of Arcadia historic landmark individually or as part of an existing historic district.

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Appendix D-2

Archaeological Resources Assessment, prepared by Dudek

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June 16, 2023 11663.05

Ms. Linda Vidov
Top Commercial Realty
100 West Lemon Avenue, Suite 101
Monrovia, California 91016

Subject: Archaeological Resources Assessment for The Derby Mixed Use Project, City of Arcadia, Los Angeles County, California

Dear Ms. Linda Vidov:

This letter report documents the archaeological resources assessment conducted by Dudek for The Derby Mixed Use Project (Project or proposed Project), located within the City of Arcadia (City), Los Angeles County, California. The study documents the results of a California Historical Resources Information System (CHRIS) records search conducted at the South Central Coastal Information Center (SCCIC); the Native American Heritage Commission (NAHC) Sacred Lands File (SLF) search; in-depth review of geotechnical, archival, academic, and ethnographic information; an archaeological pedestrian survey; an analysis of the potential for the proposed Project site to contain archaeological resources; as well as management recommendations. The Project proponent (Applicant) is Top Commercial Realty. This report was prepared in conformance with the California Environmental Quality Act (CEQA) and mitigation measure (MM)-4.5-2 in the certified City of Arcadia 2010 General Plan Update, Final Environmental Impact Report (SCH No. 2009081034). The City is the lead agency responsible for compliance with the CEQA. This investigation has been conducted under the direction and supervision of Dudek Archaeologist, Heather McDaniel McDevitt MA RPA, who meets the Secretary of the Interior Standards.

Project Location

The approximately 2.23-acre proposed Project site includes addresses 233 East Huntington Drive and 301 East Huntington Drive in the City and is composed of existing buildings/structures within two parcels as follows: The Derby restaurant building, Assessor's Parcel Numbers (APN) 5773-009-070; and the former Souplantation restaurant building, APN 5773-009-065. The proposed Project site is located within public land survey system (PLSS) Section 27 of Township 1 North, Range 11 West on the *Mount Wilson*, California 7.5-minute USGS Quadrangle (Appendix A: Figure 1). The proposed Project site is bordered to the south by East Huntington Drive, to the east by Gateway Drive, and to the north and west by hotels and associated paved parking lots (Appendix A: Figure 2).

Project Description

The proposed Project involves the demolition of existing on-site buildings and features and development of residential units and amenities, including a new space for The Derby restaurant. The Derby restaurant, in its current location and

form, would be demolished to accommodate the proposed Project, including a new, expanded restaurant space for The Derby. The proposed Project would include the redevelopment of an existing surface parking lot with the construction of a new mixed use residential building, including two levels of underground parking. In addition to The Derby's new restaurant space, the proposed Project would also include one level of subterranean (i.e., basement level) parking for residents, as well as e ground-level commercial and valet parking areas, including a podium parking structure and surface parking lots that would provide a total of 414 vehicle parking spaces, as well as motorcycle spaces and bicycle parking.

Off-site improvements would be required within the sidewalk and roadway rights-of-way along East Huntington Drive and Gateway Drive. These improvements would include modification and/or relocation of existing curb cuts, utility connections, removal of signage, street light relocation, and new/replacement street trees.

The current Project design indicates that the maximum depth of ground disturbance across the proposed Project site is 14 feet below the existing ground surface for the proposed subterranean parking and the assumed depths of ground disturbance associated with the off-site improvements is no greater than 5 feet below existing ground surface.

Environmental Setting

The approximately 2.23-acre proposed Project site is located approximately 7 miles east of downtown Pasadena and 14 miles northeast of Downtown Los Angeles.

As previously mentioned, the proposed Project site is composed of two parcels that are developed with commercial uses and paved parking lots. The eastern parcel of the proposed Project site, APN 5773-009-065, is approximately 0.89 acres, and consists of the former Souplantation restaurant located at 301 East Huntington Drive. Present site conditions within this parcel includes the approximately 7,626 square foot Souplantation building with a paved, ground level parking lot located adjacent to the western and northern portions of the building and small areas of ornamental landscaping. The western parcel of the proposed Project site, APN 5773-009-070, is approximately 1.34 acres, and consists of The Derby restaurant located at 233 East Huntington Drive. Present site conditions within this parcel includes an approximately 6,670 square foot two-story building that houses The Derby Restaurant on the ground level with a small apartment on the second floor; the apartment is currently being used for storage. A parking lot surrounds the remainder of The Derby restaurant building, including landscaped areas.

Natural Setting

The proposed Project site is located approximately 2 miles south of the San Gabriel Mountains, approximately 27 miles northeast of the Pacific Ocean, and is approximately 0.06 miles (approximately 300 feet) southwest of the channelized Santa Anita Wash. The Santa Anita Wash is a tributary to the Rio Hondo River, which is located approximately 3 miles south of the proposed Project site. The proposed Project site is relatively flat with a minimum site elevation of approximately 479± feet above mean sea level (amsl),in the southeastern corner of the site, while the maximum site elevation is 486± feet above msl in the northwestern corner of the site.

According to the to the Natural Resources Conservation Service (NRCS) Web Soil Survey (USDA 2022), soils within the proposed Project site consists of Urban land-Palmview-Tujunga complex at 0 to 5 percent slopes and is

characterized as discontinuous human-transported material over alluvium derived from granite and are found on alluvial fans. The dominant soil series within the proposed Project site, Urban Land, refers to soils in areas of high population density in a largely built environment and can include human-transported or human-altered materials, minimally altered materials, or intact native soils (USDA 2019). The horizontal or slope data for this series is associated with soils that have been significantly altered by human activities and therefore associated with nearly level or low slopes (USDA 2022).

Prehistoric Overview

Evidence for continuous human occupation in Southern California spans the last 10,000 years. Various attempts to parse out variability in archaeological assemblages over this broad period have led to the development of several cultural chronologies; some of these are based on geologic time, most are based on temporal trends in archaeological assemblages, and others are interpretive reconstructions. Each of these reconstructions describes essentially similar trends in assemblage composition in more or less detail. To be more inclusive, this research employs a common set of generalized terms used to describe chronological trends in assemblage composition: Paleoindian (before 7500 BP), Archaic (10,000–1500 BP), Late Prehistoric (1500 BP–AD 1769), and Ethnohistoric (after AD 1769).

Paleoindian Period (before 7500 BP)

Evidence for Paleoindian occupation in the region is tenuous. The general knowledge of associated cultural pattern(s) is informed by a relatively sparse body of data that has been collected from within an area extending from coastal San Diego, through the Mojave Desert, and beyond. A very unique technology defined by fluted projectile points and a highly formal lithic tool kit with almost no processing equipment is often considered to be the earliest evidence of human adaptation to North America. Widely known as “Clovis,” regional manifestations of this toolkit show important variability both in projectile point style and tool kit composition. Importantly, the attributes of “Clovis” are uncommon in California, with very few examples of the diagnostic, “fluted” Clovis point. There is, however, a notable exception from Crystal Cove State Park in southern Orange County (Fitzgerald and Rondeau 2012). This, along with other potential attributes of Clovis culture along the California Coast remain undated, and most of the earliest well-dated sites from the region contain rather different archaeological assemblages (Erlandson et al. 2007).

While the earliest evidence for human activity in California comes from the Channel Islands, ca. 13,000 BP, it does not exhibit obvious cultural similarity with the Clovis phenomenon. However, in the southern Central Valley fluted Clovis points date from ca. 11,000–10,500 BP (Rogers and Yohe 2020). One of the earliest dated archaeological assemblages in coastal Southern California (excluding the Channel Islands) comes from SDI-4669/W-12 in La Jolla, with human remains dating to ca. 9900–9050 BP (Bada et al. 1984). The burial is part of a larger site complex that contained more than 29 human burials associated with an assemblage that fits the Archaic profile (i.e., large amounts of ground stone, battered cobbles, and expedient flake tools) (Kennedy 1983). In contrast, typical Paleoindian assemblages include large stemmed projectile points, high proportions of formal lithic tools, bifacial lithic reduction strategies, and relatively small proportions of ground stone tools. Prime examples of this pattern come from Naval Air Weapons Station China Lake near Ridgecrest (Davis 1978). These sites contained fluted and unfluted stemmed points and large numbers of formal flake tools (e.g., shaped scrapers, blades). Fluted points from SBR-2355 and SBR-2356, also in the Mojave Desert, are considered quite ancient (on the thickness of

obsidian hydration rinds) and co-occur with a diverse assemblage that also contains stemmed points, typically attributed to the Lake Mojave archaeological culture. Other typical Paleoindian sites in the desert include the Komodo site (MNO-679)—a multi-component fluted point site, and MNO-680—a single component Great Basined Stemmed point site (Basgall 1987, 1988; Basgall et al. 2002). At MNO-679 and -680, ground stone tools were rare while finely made projectile points were common.

Turning back to coastal Southern California, the fact that some of the earliest dated assemblages are dominated by processing tools runs counter to traditional image of Paleoindians as highly mobile big-game hunters. Evidence for the latter—that is, typical Paleoindian assemblages—may have been located along the coastal margin at one time, prior to glacial desiccation and a rapid rise in sea level during the early Holocene (before 7500 BP) that submerged as much as 16 kilometers of the San Diego coastline since people first arrived in California, ca. 13,000 years ago (ICF 2013). If this were true, however, it would also be expected that such sites would be located on older landforms near the current coastline. Some sites, such as SDI-210 along Agua Hedionda Lagoon, contain stemmed points similar in form and age to Silver Lake and Lake Mojave projectile points from the high desert (Basgall and Hall 1993; Warren et al. 2004). However, sites of this nature are extremely rare; more typical are sites that contain large numbers of milling tools intermingled with older projectile point forms. Separating cultural components on the basis of artifact form and frequency is therefore difficult.

Warren et al. (2004) claim that a biface manufacturing tradition at the Harris site complex (SDI-149) is representative of typical Paleoindian occupation in the San Diego region that possibly dates between ca. 11,200 and 8200 BP (on the basis of radiocarbon dates from the Harris site itself). Termed San Dieguito (also see Rogers 1945), assemblages at the Harris site are qualitatively distinct from most others in the San Diego region because the site has large numbers of well-made bifaces (including projectile points), formal flake tools, a biface reduction trajectory, and relatively small amounts of processing tools (also see Warren 1964; Warren 1968). Despite the unique assemblage composition, the definition of San Dieguito as a separate cultural tradition is hotly debated. Gallegos (1987, 2017) suggested that the San Dieguito pattern is simply the inland manifestation of a broader economic pattern. This interpretation of San Dieguito has been widely accepted in recent years, in part because of the difficulty in distinguishing San Dieguito components from other assemblage constituents. In other words, it is easier to ignore San Dieguito as a distinct socioeconomic pattern than it is to draw it out of mixed assemblages.

The large number of finished bifaces (i.e., projectile points and non-projectile blades), along with large numbers of formal flake tools at the Harris site complex, is very different than nearly all other assemblages throughout the San Diego region, regardless of age. Warren et al. (2004) made this point, tabulating basic assemblage constituents for key early Holocene sites. Producing finely made bifaces and formal flake tools implies that relatively large amounts of time were spent on tool manufacture. Such a strategy contrasts with the expedient flake-based tools and cobble-core reduction strategy that typifies the regional Archaic sites (see below). It can be inferred from the uniquely high degree of San Dieguito assemblage formality that the Harris site complex represents an economic strategy distinct from that represented by other roughly contemporaneous assemblages from throughout the region.

San Dieguito sites are rare in the inland valleys, with one possible candidate, RIV-2798/H, located on the shore of Lake Elsinore. Excavations at Locus B at RIV-2798/H produced a toolkit consisting predominately of flaked stone tools, including crescents, points, and bifaces, and lesser amounts of ground stone tools, among other items (Grenda 1997). A calibrated and reservoir-corrected radiocarbon date on a shell from this site points to an early occupation, ca. 8880–8525 BP. Grenda suggested this site represents seasonal exploitation of lacustrine resources and small game and resembles coastal San Dieguito assemblages and spatial patterning.

If the San Dieguito pattern truly represents a socioeconomic strategy distinct from the regional Archaic processing regime, its rarity implies that it was not only short-lived, but that it was not as economically successful as the Archaic strategy. Such a conclusion would fit with other trends in Southern California deserts, where hunting-related tools were replaced by processing tools during the early Holocene (Basgall and Hall 1990).

Archaic Period (10,000–1500 BP)

The more than 2,500-year overlap between the presumed age of Paleoindian occupations and the Archaic period highlights the difficulty in defining a cultural chronology in Southern California. If San Dieguito is the only recognized Paleoindian component in the coastal Southern California, then the dominance of hunting tools implies that it derives from Great Basin adaptive strategies and is not necessarily a local adaptation. Warren et al. (2004) admitted as much, citing strong desert connections with San Dieguito. Thus, the Archaic pattern is the earliest local socioeconomic adaptation in the region (see Hale 2001, 2009).

The Archaic pattern, which has also been termed the Millingstone Horizon (among others), is relatively easy to define with assemblages that consist primarily of processing tools, such as millingstones, handstones, battered cobbles, heavy crude scrapers, incipient flake-based tools, and cobble-core reduction. These assemblages occur in all environments across the region with little variability in tool composition. Low assemblage variability over time and space among Archaic sites has been equated with cultural conservatism (see Basgall and Hall 1990; Byrd and Reddy 2002; Warren 1968; Warren et al. 2004). Despite enormous amounts of archaeological work at Archaic sites, little change in assemblage composition occurred until the bow and arrow, and then ceramics, were adopted after 1500 BP (Griset 1996; Hale 2009; Schaefer 2012). Even then, assemblage formality remained low. After the bow was adopted, small arrow points appear in large quantities and already low amounts of formal flake tools are replaced by increasing amounts of expedient flake tools. Similarly, shaped millingstones and handstones decreased in proportion relative to expedient, unshaped ground stone tools (Hale 2009). Thus, the terminus of the Archaic period is equally as hard to define as its beginning because basic assemblage constituents and patterns of manufacturing investment remain stable, complemented only by the addition of the bow and ceramics.

Late Prehistoric Period (1500 BP–AD 1769)

The period of time following the Archaic and before Ethnohistoric times (AD 1769) is commonly referred to as the Late Prehistoric (Rogers 1945; Wallace 1955; Warren et al. 2004); however, several other subdivisions continue to be used to describe various shifts in assemblage composition. In general, this period is defined by the addition of arrow points and ceramics, as well as the widespread use of bedrock mortars. The fundamental Late Prehistoric assemblage is very similar to the Archaic pattern but includes arrow points and large quantities of fine debitage from producing arrow points, as well as ceramics, and cremations. The appearance of mortars and pestles is difficult to place in time because most mortars are on bedrock surfaces. Some argue that the Ethnohistoric intensive acorn economy extends as far back as 1500 BP (Bean and Shipek 1978). However, there is no substantial evidence that reliance on acorns, and the accompanying use of mortars and pestles, occurred before 600 BP. Throughout the inland region millingstones and handstones persisted in higher frequencies than mortars and pestles until the last 500 years (Basgall and Hall 1990); even then, weighing the economic significance of millingstone-handstone versus mortar-pestle technology is tenuous due to incomplete information on archaeological assemblages.

Regulatory Context

This investigation was conducted in compliance with the California Environmental Quality Act (CEQA). The regulatory framework as it pertains to cultural resources under CEQA is detailed below.

Under the provisions of CEQA, including the CEQA Statutes (PRC Sections 21083.2 and 21084.1), the CEQA Guidelines (14 CCR 15064.5), and California Public Resources Code (PRC) Section 5024.1 (14 CCR 4850 et seq.), properties expected to be directly or indirectly affected by a proposed project must be evaluated for California Register of Historical Resources (CRHR) eligibility (PRC Section 5024.1).

The purpose of the CRHR is to maintain listings of the state's historical resources and to indicate which properties are to be protected, to the extent prudent and feasible, from material impairment and substantial adverse change. The term historical resources includes a resource listed in or determined to be eligible for listing in the CRHR; a resource included in a local register of historical resources; and any object, building, structure, site, area, place, record, or manuscript that a lead agency determines to be historically significant (14 CCR 15064.5[a]). The criteria for listing properties in the CRHR were developed in accordance with previously established criteria developed for listing in the National Register of Historic Places (NRHP). The California Office of Historic Preservation regards "any physical evidence of human activities over 45 years old" as meriting recordation and evaluation (OHP 1995:2).

State

The California Register of Historical Resources

A cultural resource is considered "historically significant" under CEQA if the resource meets one or more of the criteria for listing on the CRHR. The CRHR was designed to be used by state and local agencies, private groups, and citizens to identify existing cultural resources within the state and to indicate which of those resources should be protected, to the extent prudent and feasible, from substantial adverse change. The following criteria have been established for the CRHR. A resource is considered significant if it:

1. is associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage;
2. is associated with the lives of persons important in our past;
3. embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual, or possesses high artistic values; or
4. has yielded, or may be likely to yield, information important in prehistory or history.

In addition to meeting one or more of the above criteria, historical resources eligible for listing in the CRHR must retain enough of their historic character or appearance to be able to convey the reasons for their significance. Such integrity is evaluated in regard to the retention of location, design, setting, materials, workmanship, feeling, and association.

Under CEQA, if an archeological site is not a historical resource but meets the definition of a "unique archeological resource" as defined in PRC Section 21083.2, then it should be treated in accordance with the provisions of that section. A unique archaeological resource is defined as follows:

- An 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 that 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

Resources that neither meet any of these criteria for listing in the CRHR nor qualify as a "unique archaeological resource" under CEQA (PRC Section 21083.2) are viewed as not significant. Under CEQA, "A non-unique archaeological resource need be given no further consideration, other than the simple recording of its existence by the lead agency if it so elects" (PRC Section 21083.2[h]).

Impacts that adversely alter the significance of a resource listed in or eligible for listing in the CRHR are considered a significant effect on the environment. Impacts to historical resources from a proposed project are thus considered significant if the project (1) physically destroys or damages all or part of a resource; (2) changes the character of the use of the resource or physical feature within the setting of the resource, which contributes to its significance; or (3) introduces visual, atmospheric, or audible elements that diminish the integrity of significant features of the resource.

California Environmental Quality Act

As described further, the following CEQA statutes (PRC Section 21000 et seq.) and CEQA Guidelines (14 CCR 15000 et seq.) are of relevance to the analysis of archaeological, historic, and tribal cultural resources:

- PRC Section 21083.2(g) defines "unique archaeological resource."
- PRC Section 21084.1 and CEQA Guidelines Section 15064.5(a) defines "historical resources." In addition, CEQA Guidelines Section 15064.5(b) defines the phrase "substantial adverse change in the significance of an historical resource"; it also defines the circumstances when a project would materially impair the significance of a historical resource.
- PRC Section 21074(a) defines "tribal cultural resources."
- PRC Section 5097.98 and CEQA Guidelines Section 15064.5(e) set forth standards and steps to be employed following the accidental discovery of human remains in any location other than a dedicated ceremony.
- PRC Sections 21083.2(b) and 21083.2(c) and CEQA Guidelines Section 15126.4 provide information regarding the mitigation framework for archaeological and historic resources, including examples of preservation-in-place mitigation measures. Preservation in place is the preferred manner of mitigating impacts to significant archaeological sites because it maintains the relationship between artifacts and the archaeological context and may also help avoid conflict with religious or cultural values of groups associated with the archaeological site(s).

More specifically, under CEQA, a project may have a significant effect on the environment if it may cause "a substantial adverse change in the significance of an historical resource" (PRC Section 21084.1; CEQA Guidelines Section 15064.5(b)). If a site is listed or eligible for listing in the CRHR, or included in a local register of historic resources, or identified as significant in a historical resources survey (meeting the requirements of PRC Section 5024.1(q)), it is an "historical resource" and is presumed to be historically or culturally significant for purposes of

CEQA (PRC Section 21084.1; CEQA Guidelines Section 15064.5(a)). The lead agency is not precluded from determining that a resource is a historical resource even if it does not fall within this presumption (PRC Section 21084.1; CEQA Guidelines Section 15064.5(a)).

A "substantial adverse change in the significance of an historical resource" reflecting a significant effect under CEQA means "physical demolition, destruction, relocation, or alteration of the resource or its immediate surroundings such that the significance of an historical resource would be materially impaired" (CEQA Guidelines Section 15064.5(b)(1); PRC Section 5020.1(q)). In turn, the significance of a historical resource is materially impaired when a project does any of the following:

(1) Demolishes or materially alters in an adverse manner those physical characteristics of an historical resource that convey its historical significance and that justify its inclusion in, or eligibility for, inclusion in the California Register; or

(2) Demolishes or materially alters in an adverse manner those physical characteristics that account for its inclusion in a local register of historical resources pursuant to Section 5020.1(k) of the PRC or its identification in an historical resources survey meeting the requirements of Section 5024.1(g) of the PRC, unless the public agency reviewing the effects of the project establishes by a preponderance of evidence that the resource is not historically or culturally significant; or

(3) 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 inclusion in the California Register as determined by a lead agency for purposes of CEQA (CEQA Guidelines Section 15064.5(b)(2)).

Pursuant to these sections, the CEQA inquiry begins with evaluating whether a project site contains any "historical resources," then evaluates whether that project will cause a substantial adverse change in the significance of a historical resource such that the resource's historical significance is materially impaired.

If it can be demonstrated that a project will cause damage to a unique archaeological resource, the lead agency may require reasonable efforts be made to permit any or all of these resources to be preserved in place or left in an undisturbed state. To the extent that they cannot be left undisturbed, mitigation measures are required (PRC Sections 21083.2(a)–(c)).

Section 21083.2(g) defines a unique archaeological resource as an 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:

(1) Contains information needed to answer important scientific research questions and that there is a demonstrable public interest in that information.

(2) Has a special and particular quality such as being the oldest of its type or the best available example of its type.

(3) Is directly associated with a scientifically recognized important prehistoric or historic event or person (PRC Section 21083.2(g)).

Impacts on nonunique archaeological resources are generally not considered a significant environmental impact (PRC Section 21083.2(a); CEQA Guidelines Section 15064.5(c)(4)). However, if a nonunique archaeological resource qualifies as a TCR (PRC Sections 21074(c) and 21083.2(h)), further consideration of significant impacts is required.

CEQA Guidelines Section 15064.5 assigns special importance to human remains and specifies procedures to be used when Native American remains are discovered. As described below, these procedures are detailed in PRC Section 5097.98.

California State Assembly Bill 52

Assembly Bill 52 of 2014 (AB 52) amended PRC Section 5097.94 and added PRC Sections 21073, 21074, 21080.3.1, 21080.3.2, 21082.3, 21083.09, 21084.2, and 21084.3.

Consultation with Native Americans

AB 52 formalizes the consultation process between lead agencies and tribal representatives, requiring the lead agency to initiate consultation with California Native American groups that are traditionally and culturally affiliated with a project area. This includes tribes that may not be federally recognized. Lead agencies are required to begin consultation prior to the release of a negative declaration, mitigated negative declaration, or environmental impact report.

Tribal Cultural Resources

Section 4 of AB 52 adds Sections 21074 (a) and (b) to the PRC, addressing tribal cultural resources (TCRs) and cultural landscapes. Section 21074 (a) defines tribal cultural resources as one of the following:

1. Sites, features, places, cultural landscapes, sacred places, and objects with cultural value to a California Native American tribe that are either of the following:
    a. Included or determined to be eligible for inclusion in the California Register of Historical Resources.
    b. Included in a local register of historical resources as defined in subdivision (k) of Section 5020.1.
2. 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 Section 5024.1. In applying the criteria set forth in subdivision (c) of Section 5024.1 for the purposes of this paragraph, the lead agency shall consider the significance of the resource to a California Native American tribe.

Section 1 (a)(9) of AB 52 establishes that "a substantial adverse change to a tribal cultural resource has a significant effect on the environment." Effects on tribal cultural resources should be considered under CEQA. Section 6 of AB 52 adds Section 21080.3.2 to the PRC, which states that parties may propose mitigation measures "capable of avoiding or substantially lessening potential significant impacts to a tribal cultural resource or alternatives that would avoid significant impacts to a tribal cultural resource." Further, if a California Native American tribe requests consultation regarding project alternatives, mitigation measures, or significant effects to tribal cultural resources, the consultation shall include those topics (PRC Section 21080.3.2[a]). The environmental document and the mitigation monitoring and reporting program (where applicable) shall include any mitigation measures that are adopted (PRC Section 21082.3[a]).

Senate Bill 18

The Local and Tribal Intergovernmental Consultation process, commonly known as Senate Bill (SB) 18 was signed into law September of 2004 and took effect March 1, 2005. SB 18 refers to PRC Section 5097.9 and 5097.995, which defines cultural places as:

- Native American sanctified cemetery place of worship, religious or ceremonial site, or sacred shrine (PRC Section 5097.9).
- Native American historic, cultural, or sacred site that is listed or may be eligible for listing in the California Register of Historic Resources pursuant to Section 5024.1, including any historic or prehistoric ruins, any burial ground, any archaeological or historic site (PRC Section 5097.993).

SB 18 established responsibilities for local governments to contact, provide notice to, refer plans to, and consult with California Native American tribes that have been identified by the NAHC and if that tribe requests consultation after local government outreach as stipulated in Government Code Section 65352.3. The purpose of this consultation process is to protect the identity of the cultural place and to develop appropriate and dignified treatment of the cultural place in any subsequent project. The consultation is required whenever a general plan, specific plan, or open space designation is proposed for adoption or to be amended. Once local governments have sent notification, tribes are responsible for requesting consultation. Pursuant to Government Code Section 65352.3(a)(2), each tribe has 90 days from the date on which they receive notification to respond and request consultation.

In addition to the requirements stipulated previously, SB 18 amended Government Code Section 65560 to "allow the protection of cultural places in open space element of the general plan" and amended Civil Code Section 815.3 to add "California Native American tribes to the list of entities that can acquire and hold conservation easements for the purpose of protecting their cultural places."

Native American Historic Cultural Sites

The Native American Historic Resources Protection Act (California Public Resources Code Section 5097, et seq.) addresses the disposition of Native American burials in archaeological sites and protects such remains from disturbance, vandalism, or inadvertent destruction; establishes procedures to be implemented if Native American skeletal remains are discovered during construction of a project; and establishes the NRHC to resolve disputes regarding the disposition of such remains. In addition, the Native American Historic Resource Protection Act makes it a misdemeanor punishable by up to 1 year in jail to deface or destroy an Indian historic or cultural site that is listed or may be eligible for listing in the CRHR.

California Health and Safety Code Section 7050.5

California law protects Native American burials, skeletal remains, and associated grave goods, regardless of their antiquity, and provides for the sensitive treatment and disposition of those remains. California Health and Safety Code Section 7050.5 requires that if human remains are discovered in any place other than a dedicated cemetery, no further disturbance or excavation of the site or nearby area reasonably suspected to contain human remains shall occur until the county coroner has examined the remains (Section 7050.5(b)). PRC Section 5097.98 also outlines the process to be followed in the event that remains are discovered. If the coroner determines or has reason to believe the remains are those of a Native American, the coroner must contact NAHC within 24 hours (Section 7050.5(c)). NAHC will notify the "most likely descendant." With the permission of the landowner, the most likely descendant may inspect the site of discovery. The inspection must be completed within 48 hours of notification of the most likely descendant by NAHC. The most likely descendant may recommend means of treating or disposing of, with appropriate dignity, the human remains, and items associated with Native Americans.

Local

City of Arcadia General Plan 2010 (City of Arcadia General Plan, Section 7.0 Parks, Recreation, and Community Resources Element)

The 2010 Arcadia General Plan enumerates a series of policies designed to protect and preserve cultural resources (City of Arcadia 2010a). Though the City does not have a preservation ordinance, the General Plan recommends potential city landmarks meet the following criteria:

- It exemplifies or reflects the broad cultural, political, economic or social history of the U.S., California, or City of Arcadia.
- It has yielded or has the potential to yield information in history or prehistory.
- It is representative of one of the diverse styles and variations of residential and commercial architecture found in Arcadia, whether vernacular or a work of identifiable artisans, master craftsmen, builder, or architects important locally or with wider significance.
- It is an object of significance because of its design or pleasing appearance in a setting.
- It is a site or structure that is important to the prehistory or history of the community.
- It is a surviving site, route, or structure important to the early settlement, economic origins, or technological development of the locale.
- It is a grouping or set of structures, historic sites or features, design components, natural features and landscape architecture, or other interesting details which together create exceptionally rich history or cultural ambiance.
- It is a hillside, geologic formations, body of water, arroyo, remaining natural vegetation, or other striking or familiar physical characteristic that is important to the special character, historic identity, or aesthetic setting of the community.

The 2010 General Plan also lists specific goals for historical resources in the City.

Goal PR-8. Continued recognition and support of the diverse historical and cultural organizations that celebrate and enrich the community:

Policy PR-8.1. Support programs that promote a full range of cultural activities and their appreciation among all age groups, all levels of education, and all cultural backgrounds.

Policy PR-8.2. Nurture and support local arts organizations and promote the appreciation of and involvement in the creative and performing arts.

Policy PR-8.3. Build community identity through educational, informational, and cultural art events that focus on local art, food, music, ethnic diversity, and other topics.

Goal PR-9. Retention and proper stewardship of historical and cultural resources:

Policy PR-9.1. Encourage the maintenance and preservation of historically, culturally, and or/ architecturally significant structures and sites in the community.

Policy PR-9.2. Explore partnerships with local community organizations, such as the Arcadia Historical Society, to continue the preservation of historic and cultural resources.

Policy PR-9.3. Collect, preserve, and celebrate Arcadia's heritage with quality exhibits and programs.

Policy PR-9.4. Preserve Santa Anita Park's use as a live horse racing venue while economically feasible, and preserve and maintain iconic structures at the racetrack such as the grandstand.

Policy PR-9.5. Identify historic sites, structures, neighborhoods, and other resources through a Historic Resource Inventory.

Policy PR-9.6. Explore the establishment of a Cultural Heritage Ordinance.

Policy PR-9.7. Develop incentives that promote preservation and rehabilitation of historic structures, sites, and other resources.

City of Arcadia General Plan Update 2010 – Final Environmental Impact Report SCH 2009081034, Section 4.5 Cultural Resources

The EIR prepared for the City's General Plan Update , certified in November 2010 included mitigation measure 4.5-2 that requires the assessment of cultural resources and their potential to exists and be impacted by proposed project implementation as well as treatment methods if cultural resources are identified. The mitigation measures consist of the following:

MM 4.5-2: Projects that would be located on undeveloped parcels or near known cultural resources shall implement the following:

1. A Phase 1 study shall be undertaken to evaluate the current conditions of a project site. The study shall consist of (1) an initial records search including records, maps, and literature housed at the Archaeological Information Center located at California State University, Fullerton; (2) a Sacred Lands check with the NAHC and initial scoping with interested Indian Tribes and individuals identified by the NAHC; (3) a pedestrian field survey by a qualified Archaeologist to determine the presence or absence of surficial artifactual material and/or the potential for buried resources; and (4) a technical report describing the study and offering management recommendations for potential further investigation.

2. If archaeological sites are discovered as a result of the Phase I study, a Phase II evaluation of the significance of any prehistoric material that is present shall be undertaken. The evaluation shall include further archival research, ethnographic research, and subsurface testing/excavation to determine the site's horizontal and vertical extent, the density and diversity of cultural material, and the site's overall integrity. The evaluation shall include a technical report describing the findings and offering management

recommendations for sites determined to be significant. Non-significant resources would require no further study.

3. If the Phase II evaluative study indicates that a significant site is present, the qualified Archaeologist shall determine appropriate actions, in cooperation with the City of Arcadia, for preservation and/or data recovery of the resource. Preservation in place is the preferred manner of mitigation, as provided in CCR Section 15126.5(b)(3). This could include (1) avoidance of resources; (2) incorporation of resources into open space; (3) capping the resource with chemically stable sediments; and/or (4) deeding the resource into a permanent conservation easement. To the extent that a resource cannot be preserved in place, a Phase III data recovery excavation shall be completed to recover the resource's scientifically consequential information. A technical report shall be completed that adheres to the OHP's Archaeological Resources Management Report (ARMR) guidelines.

4. Monitoring of ground-disturbing activities shall be undertaken by a qualified Archaeologist as a final mitigation measure in areas that contain or are sensitive for the presence of cultural resources.

Background Research

SCCIC Records Search

On January 13, 2022, staff at the SCCIC, located on the campus of California State University, Fullerton, provided the results of a CHRIS records search for the proposed Project site and a 1-mile radius. The CHRIS records search results provided by the SCCIC included their digitized collections of mapped prehistoric and historic archaeological resources and historic built-environment resources; Department of Parks and Recreation site records; technical reports; archival resources; and ethnographic references. The confidential records search results are also provided in Confidential Appendix B.

Previously Conducted Cultural Resource Studies

Results of the cultural resources records search indicate that twenty-four (24) previous cultural resource studies have been conducted within one-mile of the proposed Project site between 1984 and 2015. Of these studies, one study overlaps the proposed Project site (LA-6859). The remaining twenty-three (23) cultural resource studies are outside of the proposed Project site. Table 1, below, details all twenty-four (24) previous cultural resources studies, followed by a brief summary of the overlapping report.

Table 1. Previously Conducted Cultural Resource Studies within 1-Mile of the Project Site

SCCIC Report Number	Authors	Year	Title	Proximity to Proposed Project Site
LA-01347	McIntyre, Michael J.	1984	Cultural Resource Evaluation of the Proposed Arcadia Service Center Land Disposal, Angeles National Forest ARR. 05-01-51-22	Outside
LA-02254	Wessel, Richard L.	1990	Cultural Resource Report Arcadia Service Center	Outside
LA-03800	Burton, Jeffery F.	1996	Three Farewells to Manzanar	Outside
LA-05632	Duke, Curt and Judith Marvin	2001	Cultural Resource Assessment: Cingular Wireless Facility No. VY 109-01 Los Angeles County, California	Outside
LA-05829	Duke, Curt	2002	Cultural Resource Assessment at & T Wireless Services Facility No D477b, Los Angeles County, California	Outside
LA-06081	Duke, Curt	2002	Cultural Resource Assessment Cingular Wireless Facility No. VY 269-01 Los Angeles County, California	Outside
LA-06859	**LSA Associated, Inc.**	**1996**	**Arcadia General Plan**	**Overlaps**
LA-07876	Harper, Caprice D.	2006	Phase I Archaeological Resources Survey Report for the Proposed Shops at Santa Anita Park Specific Plan Project, City of Arcadia, Los Angeles County, California	Outside
LA-07974	Tang, Bai "Tom" and Josh Smallwood	2006	Seismic Retrofit of the Southern California Regional Rail Authority (SCRRA) Bridge Over Colorado Boulevard (state Bridge No. 53c0596), Located in the City of Arcadia, Los Angeles County	Outside
LA-09173	Bonner, Wayne H.	2007	Cultural Resources Records Search and Site Visit Results for T-Mobile Candidate IE25808A (LASS), 410 West Evergreen Avenue, Monrovia, Los Angeles County, California	Outside
LA-09174	Bonner, Wayne H.	2007	Direct APE Historic Architectural Assessment for AT&T Candidate SV0053-01 (Arcadia Presbyterian Church), 121 1/2 Alice Street, Arcadia, Los Angeles County, California	Outside
LA-09175	Bonner, Wayne H.	2007	Cultural Resources Records Search and Site Visit Results for AT&T Candidate SV0053-01 (Arcadia Presbyterian Church), 121 1/2 Alice Street, Arcadia, Los Angeles County, California	Outside
LA-09445	Billat, Lorna	2088	New Castle Park: LA-2327D	Outside
LA-10629	McKenna, Jeanette	2010	A Cultural Resources Overview and Architectural Evaluation of the Arcadia Education Center Complex Located at 120 S. 3rd Ave., Arcadia, Los Angeles Co., California	Outside
LA-10639	Tang, Bai "Tom" and Michael Hogan	2010	Mitigative Recordation of Historical Resource LACMTA Bridge over Colorado Boulevard, CHRIS Site No. 19-187944; Caltrans Bridge No. 53C0596 City of Arcadia, Los Angeles County, California	Outside

Table 1. Previously Conducted Cultural Resource Studies within 1-Mile of the Project Site

SCCIC Report Number	Authors	Year	Title	Proximity to Proposed Project Site
LA-10782	Chasteen, Carrie	2010	Cultural Resources Assessment - Arcadia County Park, 405 S. Santa Anita Avenue, Arcadia, Los Angeles County, California	Outside
LA-10896	Greenwood, David	2004	Historic Properties Survey and Effects Report for the Gold Line Phase II Project (Pasadena to Montclair) Los Angeles and San Bernardino Counties, CA	Outside
LA-10955	Bonner, Wayne	2011	Cultural Resources Records Search and Site Visit Results for Clearwire Candidate CA-LOS5550A (Monrovia High School), 845 West Colorado Boulevard, Los Angeles, Los Angeles County, California	Outside
LA-10992	Puckett, Heather R.	2009	Patricia, 121 Alice Street, Arcadia, CA 91006	Outside
LA-11531	Wlodarski, Robert	2012	Results of a Phase I Archaeological Study For Proposed AT&T Wireless Telecommunications Site SV0074 Located at 1333 Mayflower Avenue, Monrovia, California 91016	Outside
LA-11762	Supernowicz, Dana	2012	Architectural Evaluation Report of the Arcadia Project, AT&T Mobility Site No LAC441, 35 West Huntington Drive, Arcadia, Los Angeles County, CA	Outside
LA-12204	Bonner, Wayne, Wiliams, Sarah, and Crawford, Kathleen	2012	Cultural Resources Collocation Records Search and Site Visit Results for T-Mobile West, LLC Candidate IE04269A (VY269) Arcadia Presbyterian) 121 Alice Street, Arcadia, Los Angeles County, California	Outside
LA-12525	Poka, Ervin	2003	NHPA Section 106 Review; Metro Gold Line Phase II Extension Project	Outside
LA-12971	McKenna, Jeanette A.	2015	A Phase I Cultural Resources Investigation and Architectural Evaluation of Two Quonset Huts Located within the Arcadia Unified School District Maintenance Yard, 35 W. St. Joseph Street, Arcadia, Los Angeles County, California	Outside

Report LA-06859

Arcadia General Plan (LSA Associates, Inc. 1996) details the City's prior 1996 General Plan Update and includes numerous goals for cultural resources (see the Regulatory Setting section of this report). The area of study for this report encompasses the entirety of the current proposed Project site. The report states that cultural resource assessments are required for any development that may impact a known or potential site of archaeological, paleontological, or historical significance. They also state that preservation and avoidance of impact should be the primary goal, if this is not feasible then data recovery efforts will be required for resources deemed significant. Construction monitoring will also be required during any ground disturbing activities within areas of archaeological potential. The report includes conditions of approval to be included on any new developments, including expanding/renovations on current developments. These assessment requirements and conditions of approval were supplanted by the City's 2010 General Plan Update. The specific mitigation measures relative to cultural resources are provided on page 9 in the Regulatory Context section of the this report.

Previously Recorded Cultural Resources

The SCCIC records indicate that 122 cultural resources have been previously recorded within 1-mile of the proposed Project site. Of these 121 are historic built environment resources and one (1) is a historic-era archaeological resource; none overlap the Project site. Historic built environment resources or non-archaeological resources fall outside of the scope of the present study and will not be addressed in this report. Table 2, below, summarizes the single previously recorded archaeological resource identified within the records search area. Additionally, a brief description of the one historic-era archaeological site is provided below.

Table 2. Previously Recorded Cultural Resources with a 1-Mile Radius of the Proposed Project Site

Primary Number	Trinomial	Description	Recording Events	OHP CHR Status Codes	Proximity to Proposed Project Site
P-19-001868	CA-LAN-1868H	Historic refuse deposit, which includes glass bottle fragments, ceramic fragments, shoe pieces, metal cans, round nails, and other assorted domestic refuse.	1990 (Wessel and McIntyre)	6Y: Determined ineligible for NR by consensus through Section 106 process—Not evaluated for CR or Local Listing.	Approximately 910 meters (2,985 feet) northwest of the proposed Project site.

CA-LAN-1868H

CA-LAN-1868H is a historic-era site located approximately 985 feet northwest of the proposed Project site. The site was recorded by Richard L. Wessel and Michael J. McIntyre in 1990. The authors did not provide measurements for the site; however, Wessel and McIntyre noted that the deposit was buried 60 centimeters (cm) below the surface and extended another 50 cm below it. The artifacts were located within an abandoned water ditch, and consisted of ceramic and glass fragments, sanitary cans, footwear items, round nails, and other miscellaneous domestic items. The authors stated the site's constituents were consistent with a refuse from a homestead during the post-World War I era (1920-1929). The authors noted that the site was in excellent condition, and both the trench and refuse appeared undisturbed. However, the authors state in the record that the site was not eligible for inclusion into the NRHP.

Review of Historical Topographical Maps and Aerial Photographs

Dudek consulted historical topographic maps and aerial photographs through the Nationwide Environmental Title Research, LLC (NETR), and the Map & Imagery Laboratory (MIL) University of California, Santa Barbara Library (UCSB) to better understand any natural or human-made changes to the proposed Project site and surrounding properties over time.

Historical Topographic Maps

Topographic maps depict elevation of the study area as well as the areas surrounding it and illustrate the location of roads and some buildings. Although topographic maps are not comprehensive, they are another tool in determining whether a study area has been disturbed and at times to what approximate depth. A review of available

topographic maps was conducted and includes the following years: 1894, 1896, 1898, 1900, 1904, 1907,1908, 1910, 1913, 1915, 1920, 1927, 1928, 1931, 1940, 1941, 1947, 1958, 1964, 1967, 1974, 1988, 1994, 1999, 2012, 2015, and 2018 (NETR 2022a).

The 1894-1927, 1931, and 1940 topographic maps show the proposed Project site as undeveloped with Huntington Drive present and serving as the Project site's southern boundary. The Santa Anita Wash is visible just outside and to the east of the proposed Project site; the Southern California Division of the Atchison Topeka and Santa Fe Railway is southwest; and the Duarte Branch of the Southern Pacific Railway is just north. In the 1928 topographic map a structure is shown within the southwest quadrant of the Project site with Gateway Drive present and serving as the eastern boundary, as well as an unnamed road paralleling the Project site's western boundary. The topographic maps from 1941 to 1947 depict two additional structures within the eastern half. It should be noted that topographic maps 1958 and younger only depict structures of community or societal significance, such as: water reservoirs, schools, and post offices. The remainder of topographic maps available, 1958 through 2018, depict no structures within the Project site and no significant changes to the surrounding streets.

While topographic maps are informative, they do not illustrate the subtle changes that can occur to a landscape overtime and at times, are inconsistent with what is depicted year to year. Most often, structures depicted in topographical maps are limited to those with community or social significance (e.g. Firehouses or Hospitals), including additions or changes to roads and/or waterways. Nonetheless, the information gathered contributes to the understanding of the chronological development of a study area.

Historical Aerial Photographs

A review of historical aerial photographs was conducted as part of the archival research effort from the following years: 1928, 1938, 1944, 1949, 1952, 1954, 1964, 1972, 1977, 1980, 1987, 1988, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2002, 2003, 2005, 2009, 2010, 2012, 2014, 2016, and 2018 (NETR 2022b; UCSB 2022). Through careful comparative review of historical aerials, changes to the landscape of a study area may be revealed. Disturbance to the study area is specifically important as it helps determine if soils within the study area are capable of sustaining intact archaeological deposits. Additionally, historical aerials have the potential to reveal whether a study area was subjected to alluvial deposits by way of flooding, debris flows or mudslides, as well as placement of artificial or foreign fill soils that may have buried intact archaeological deposits. Table 3, below, summarizes the results of the aerial photograph review of the proposed Project site and surrounding properties for all available years.

Table 3. Historical Aerial Photograph Review of Proposed Project site

Photograph Year	Observations and Findings
1928	The earliest aerial photograph of the proposed Project site dates to 1928. The Project site appears as two neighboring residential parcels bisected by what was then Third Street. The parcel to the west (APN 5773-009-070) is L-shaped with a primary single-family residence and five smaller ancillary buildings to the rear. The parcel to the east (APN 5773-009-065) is triangular in shape with a single-family home at the west-central end of the property.

Table 3. Historical Aerial Photograph Review of Proposed Project site

Photograph Year	Observations and Findings
	East Huntington Drive, located south of the proposed Project site, is also visible in its current east-west orientation but was narrower in 1928. AT&SF tracks run diagonally near the southwest corner of the current proposed Project site. The Santa Anita Wash, located 0.25-mile west of the proposed Project site, was not channelized at this point.
1938	The 1938 aerial photograph shows a new square-shaped building located at the southeast corner of the proposed Project site on what had formerly been an L-shaped residential parcel (APN 5773-009-070). The new building appears to be the original The Derby Restaurant (constructed in 1931), and a large tree fronts the building along East Huntington Drive. Besides the construction of the new restaurant, changes to the proposed Project site also included the addition of a small, square building on the south end of the triangular eastern parcel (APN 5773-009-065). The section of East Huntington Drive that fronts the proposed Project site and extends to the Santa Ana Wash appears wider than 1928. In the neighborhood immediately surrounding the proposed Project site, only moderate development has taken place on vacant parcels since the 1928 aerial image.
1952	Within the proposed Project site in a 1952 aerial, The Derby Restaurant appears to have had a major expansion to the south and west, which culminated in the removal of the large oak tree that fronted the building along East Huntington Drive in the 1938 aerial. The portion of the former triangular parcel within the eastern end of the proposed Project site (APN 5773-009-065), now includes a street-facing rectangular building and a small building at the center of the parcel. The parcels directly north of the proposed Project site is developed with single-family dwellings by 1952 and parcels vacant in 1938 are mostly developed with single-family residences. By 1952, the AT&SF Railroad tracks running diagonally past the southwest corner of the proposed Project site, within APN 5773-009-070, had been replaced by a railroad bridge that is elevated over East Huntington Drive.
1952-1964	No discernible changes to the proposed Project site.
1972	By the 1972 aerial image, the commercial building at the center of the eastern parcel (APN 5773-009-065) is demolished. Besides the demolition, the remainder of the proposed Project site and surrounding neighborhood looks as it had in 1952.
1977	No discernible changes to the proposed Project site.
1980	No discernible changes to the proposed Project site.

Table 3. Historical Aerial Photograph Review of Proposed Project site

Photograph Year	Observations and Findings
1994	The 1994 aerial image indicates that The Derby Restaurant building, at the west end of the proposed Project site (APN 5773-009-070) had a significant expansion to the west. Within the eastern parcel (APN 5773-009-065), the 1950s-era street-facing buildings have been demolished and replaced by a large 80-foot by 110-foot rectangular Souplantation restaurant building (constructed in 1988). Directly north of the proposed Project site, former single-family residences were replaced by two, large multi-story hotels.
1995-1998	No discernible changes to the proposed Project site.
1999	In 1999, a patio expansion appears on the west of The Derby Restaurant building (APN 5773-009-070)
1999-2005	No discernible changes in the proposed Project site.
2006	A 1,200 square foot addition to the west of the covered patio of The Derby Restaurant is visible (APN 5773-009-070).
2007-2010	No discernible changes in the proposed Project site.
2011	In 2011, a new masonry wall is visible at the front of the of The Derby Restaurant (APN 5773-009-070).
2012-2018	No discernible changes in the proposed Project site.

Geotechnical Report Review

The geotechnical report, *Geotechnical Investigation Proposed Mixed-Use Development 233-301 East Huntington Drive Arcadia, California APN: 5775-009-065 & -070* (Geocon West, Inc. 2022), was prepared by Geocon West, Inc. for the current Project site to address subsurface conditions. The report details the results of five (5) hollow-stem auger borings. These boring were placed at accessible locations throughout the proposed Project site and include three (3) locations (Boring (B)1, B2, and B3) within APN 5773-009-070 and two (2) locations (B4 and B5) within APN 5773-009-065. Subsurface exploratory borings extended to a maximum depth ranging from 30.5 to 45.5 feet (ft) below ground surface (bgs) and were completed on May 20, 2022. According to the geotechnical report, the soils encountered include: (1) Fill soils: characterized as dark brown or olive brown silty sand or sand with silt encountered between 0 to 3 ft bgs; however, the report does not indicate whether the fill soil is natural or engineered fill; (2) Native soils identified as Holocene age alluvial fan deposits: characterized as light brown to brown, light olive brown, or gray interbedded poorly graded and well-graded sand with silts and gravel, encountered directly beneath the fill soils to the maximum depth reached. The subsurface exploratory investigations encountered

fill from surface to 2 ft bgs within APN 5773-009-070 and from surface to 3 ft bgs within APN 5773-009-065. A summary of the subsurface exploratory boring results is provided in Table 4, below.

Table 4. Summary of Subsurface Boring Results – Geocon West Inc. 2022

Boring	0 – 10 Feet	10 – 20 Feet	20 – 30 Feet	30 – 40 Feet	40 – 50 Feet
B1	0-2 Feet: Fill Soils	2-40.5 Feet: Native Soils			
B2	0-2 Feet: Fill Soils	2-40 Feet: Native Soils			
B3	0-2 Feet: Fill Soils	2-30.5 Feet: Native Soils			
B4	0-3 Feet: Fill Soils	3-45.5 Feet: Native Soils			
B5	0-3 Feet: Fill Soils	3-45.5 Feet: Native Soils			

Phase I Environmental Site Assessment Report Review

The Phase I Environmental Site Assessment [ESA] Report was prepared by Conservation Consulting International (CCI) for the Project in September 2019 (CCI 2019). The report details the results of a site assessment the western portion of the present proposed Project site, specifically parcel APN 5773-009-070. The assessment consists of a site reconnaissance survey, research, and interviews with the public, site management and owners, including regulatory agencies to identify environmental conditions for the subject property. According to the report, the structure located within AIN 5773-009-070 (The Derby building) occupied the property since 1922. The report identifies soils present as Urban Land. No further discussion regarding ground disturbance or subsurface conditions are discussed within the report.

1938 Kirkman-Harriman Historical Map Review

Dudek cultural resources specialists reviewed sources commonly identified though Tribal consultation, notably the 1938 Kirkman-Harriman Historical Map (Image 1). Based on this map, the proposed Project site is situated within the "S[an]ta. Anita R[an]cho." The nearest mapped road is unnamed and travels roughly southwest to northeast, and is approximately 0.25 miles to the south of the proposed Project site and a "Mission Road" traveling northeast to southwest is over 1.5 miles northwest of the proposed Project site. The nearest waterway to the proposed Project site is a tributary (present-day Santa Anita Wash), located approximately 1 mile to the east of the proposed Project site, which travels north to southeast and terminates at the "Hondo (Lexington) Wash," over 2.5 miles southeast of the proposed Project site. Well outside the proposed Project site footprint but within the general surrounding vicinity are four Native American villages. The nearest mapped unnamed village is approximately 2.3 miles to the southwest; a second unnamed village is located over 4 miles to the west; the village of *Sonuyna* is mapped nearly 3 miles to the northwest; and the village of *Ahup-gungna* is mapped approximately 2.5 miles to the northeast. Additionally, Mission San Gabriel is mapped nearly 4.5 miles to the southwest of the proposed Project site.

It should be noted that this map is highly generalized due to scale and age and may be somewhat inaccurate with regards to distance and location of mapped features. Additionally, this map was prepared based on review of historic documents and notes more than 100 years following secularization of the missions (in 1833). Although the map contains no specific primary references, it matches with the details documented by the Portolá expedition (circa 1769–1770). The map is a valuable representation of post-colonization mission history; however, it is limited

to a specific period of Native American history and substantiation of the specific location and uses of the represented individual features should be verified by archaeological records and/or other primary documentation.

No archaeological evidence of the nearest village on the 1938 Kirkman-Harriman map was provided in the SCCIC records or as the result of a review of other archaeological information for the proposed Project site. This suggests that the village is either likely no nearer than 1-mile from the proposed Project site or if existent within the records search radius, subsurface deposits associated with the village have not yet been discovered.

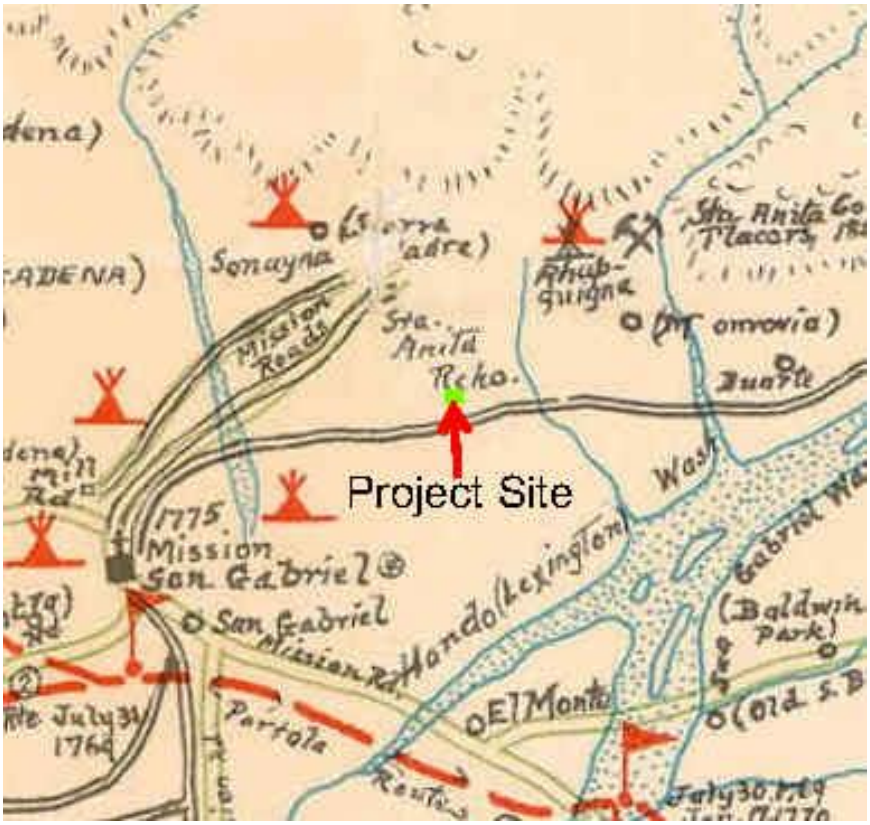


Image 1. 1938 Kirkman-Harriman Historical Map (Proposed Project site depicted in green and pointed to by red arrow)

Native American Coordination

NAHC SLF Search Results

Dudek requested a search of the SLF on November 4, 2021, to determine the presence of any Native American cultural resources within the proposed Project site. The NAHC maintains and reviews the SLF. Andrew Green, Cultural Resources Analyst, provided the SLF search results on December 16, 2021. The NAHC SLF records search results were positive for known Native American heritage resources within the proposed Project site. The NAHC identified the Gabrieleno Band of Mission Indians – Kizh Nation, as well as eight (8) additional Native American individuals who would potentially have specific knowledge as to whether or not Native American cultural resources are identified within the Project site that could be at-risk. To date, Dudek has not initiated contact with the

individuals on the NAHC's contact list, in regard to the proposed Project site. However, in compliance with AB 52, the City has contacted all NAHC-listed traditionally geographically affiliated tribal representatives that have requested project notification. Assembly Bill 52 consultation efforts conducted by the City are discussed below. Documents related to the NAHC SLF search are included in Appendix B.

It is important to note that the SLF maintained by the NAHC represent a curation of "ancient places of special religious or social significance to Native Americans and known ancient graves and cemeteries of Native Americans on private and public lands in California" (nahc.gov 2021) provided by Tribal entities and Native American representatives. For various reasons, Tribal entities and Native American representatives do no not always report sacred lands or Tribal Cultural Resources (TCRs) to the NAHC; as such, the NAHC's SLF is not necessarily a comprehensive list of known TCRs and searches of the SLF must be considered in concert with other research and not used as a sole source of information regarding the presence of TCRs. Additionally, results of the SLF provided relate to the general regional area within and surrounding the proposed Project site and don't necessarily equate to the existence of resources within the specific area occupied by the proposed Project site.

Assembly Bill 52

The proposed Project is subject to compliance with Assembly Bill (AB) 52 (PRC Section 21074), which requires consideration of impacts to TCRs as part of the CEQA process, and that the lead agency notify California Native American Tribal representatives that have requested notification who are traditionally or culturally affiliated with the geographic area of the proposed Project site. All records of correspondence related to AB 52 notification and any subsequent consultation are on file with the City. A summary of the consultation record is provided and addressed in the Environmental Impact Report (EIR) for the proposed Project.

Senate Bill 18

The proposed Project is subject to compliance with Senate Bill (SB) 18 (Government Code Section 65352.3), which requires local governments to invite California Native American Tribal representatives to participate in consultation about proposed General Plan and Specific Plan adoptions or amendments. The City is considering an amendment to the General Plan and as such, initiated SB 18 consultation. All records of correspondence related to SB 18 notification and any subsequent consultation are on file with the City. A summary of the consultation record is provided and addressed in the EIR for the proposed Project.

Field Survey

Methods

Dudek Archaeologist, Linda Kry, conducted a pedestrian survey of the proposed Project site on August 10, 2022. Because the proposed Project site is within a developed setting with limited exposed sediment (less than 10 percent), a comprehensive archaeological survey was not able to be conducted. Instead, a mixed approach (opportunistic survey) and reconnaissance survey (visual inspection) were utilized, selectively examining areas of exposed ground surfaces limited to landscaped areas.

The survey of the approximately 2.23-acre proposed Project site included APNs 5773-009-065 and 5773-009-070. The ground surface was inspected for prehistoric artifacts (e.g., flaked stone tools, tool-making debris, groundstone

tools, ceramics, fire-affected rock), soil discoloration that might indicate the presence of a cultural midden, soil depressions, features indicative of structures and/or buildings (e.g., standing exterior walls, post holes, foundations), and historical artifacts (e.g., metal, glass, ceramics, building materials). Ground disturbances such as rodent burrows, cut banks, landscaped areas, base of trees, and drainages, if present, were also visually inspected for exposed subsurface materials. All field notes, photographs, and records related to the current study are on file at Dudek's Pasadena, California office. All field practices met the Secretary of Interior's standards and guidelines for a cultural resources inventory.

Results

Survey results for the two (2) parcels that make up the proposed Project site (APNs 5773-009-065 and 5773-009-070) are discussed individually below. Note: the geotechnical study revealed that the proposed Project site is predominately covered in fill soils although the origin of the soils was not mentioned. As such, any exposed soils observed during the survey were likely fill soils and not a good representation of the native soils present prior to development/ground disturbing activities.

APN 5773-009-065

This parcel represents the eastern half of the proposed Project site and includes the existing Souplantation building located at 301 East Huntington Drive. Approximately 95 percent of this parcel is paved with a vacant building and associated paved parking lots, which did not allow for the observation of any exposed ground soils. However, surrounding the building to the west, south, and east and interspersed within the parking lots to the west and north are landscaped areas comprised of grasses and ornamental trees, bushes, and flowers. Given the current parcel conditions, ground surface visibility within this parcel ranged from non-existent to good (0 to 50 percent).

APN 5773-009-070

This parcel represents the western half of the proposed Project site and includes the existing The Derby restaurant located at 233 East Huntington Drive. Approximately 95 percent of this parcel is paved with building and associated surface parking lots, which did not allow for the observation of any exposed ground soils. However, surrounding the building to the south and east and interspersed within the parking lots to the west and north are landscaped areas comprised of grasses and ornamental trees, bushes, and flowers. Given the current parcel conditions, ground surface visibility within this parcel ranged from non-existent to good (0 to 50 percent).

Overall, the visible existing surface comprised of fill soils characterized dark brown or olive brown silty sand or sand, which are visible within areas of exposed ground surfaces as previously mentioned above.

As previously mentioned in the Geotechnical Report Review section, above, subsurface exploratory boring investigations encountered fill soils from surface to between 2 to 3 ft bgs within the proposed Project site. The presence of the fill soil is an indication that any potential cultural material between 2 to 3 ft bgs, has been previously displaced from the primary depositional location, buried, or destroyed. Additionally, the presence of fill soils demonstrates that the native soils upon and within which cultural deposits would exist in context was not observed during the survey. No cultural materials were observed within the proposed Project site; however, due to the presence of fill soils, observation of intact native soils was not possible.

6 Sensitivity Analysis

Archaeological Sensitivity

While the NAHC SLF records search results were positive, the results relate to the general regional area and do not necessarily equate to the existence of resources within the specific area occupied by the proposed Project site. A search of the CHRIS database for the proposed Project site and 1-mile records search area did not identify any previously recorded historic-period or prehistoric archeological resources. In addition, CHRIS records search results identified 24 studies as conducted within 1-mile of the proposed Project site. Of these, only one study, LA-06859, addresses the proposed Project site. Although report LA-06859 encompasses the entirety of the current proposed Project site, the report was prepared for the City's prior 1996 General Plan . No information pertaining to the existence of previously identified archaeological resources is included in report LA-06859. According to the aerial photographs review, the proposed Project site has been subjected to consistent ground disturbance, shifting from sparse residential development in the late 1920s and transforming steadily to include the development and expansion of buildings until 2011. By 2012, the proposed Project site is shown to be consistent with the present site conditions.

A review of the Geotechnical Report prepared for the proposed Project site determined that fills soils were identified from surface to between 2 and 3 ft bgs within all exploratory boring locations. Current Project plans indicate that the maximum depth of ground disturbance across the proposed Project site is 14 feet below the existing ground surface for the proposed subterranean parking and the assumed depths of ground disturbance associated with the off-site improvements is no greater than 5 feet below existing ground surface.

This report satisfies MM-4.5-2 (1) in the certified City of Arcadia 2010 General Plan Update, Final Environmental Impact Report (SCH No. 2009081034), which requires a Phase I study be prepared to evaluate the current conditions of a proposed development or project site. However, in consideration of the results of this study, while the potential to encounter intact cultural deposits containing archaeological resources within soils from the current grade and between 2 and 3 ft bgs is unlikely, the potential for intact cultural deposits to exist within native soils (below between 2 and 3 ft bgs) to the depths of proposed ground disturbance is unknown. In the event that unanticipated archaeological resources are encountered during Project implementation, impacts to these resources could be significant. As such, the following management recommendations are provided to ensure that impacts to unanticipated archaeological resources and human remains would be treated properly resulting in a less than significant impact.

7 Management Recommendations

The following measures have been developed to ensure that any inadvertent discovery of archaeological resources would be treated appropriately and in accordance with CEQA regulations: preconstruction training, retention of an on-call archaeologist to address inadvertent discoveries, and inadvertent discovery clause implemented and included on all construction plans. Dudek further recommends an additional survey be conducted once fill soils have been removed. If cultural materials are observed during the course of ground disturbing activities below fill soils, then subsurface testing may be required. These measures would ensure the potential Project impacts to archaeological resources and human remains would be less than significant.

Inadvertent Discovery of Archaeological Resources

Workers Environmental Awareness Program Training. All construction personnel and monitors who are not trained archaeologists shall be briefed regarding inadvertent discoveries prior to the start of construction activities. A basic presentation and handout or pamphlet shall be prepared in order to ensure proper identification and treatment of inadvertent discoveries. The purpose of the Workers Environmental Awareness Program (WEAP) training is to provide specific details on the kinds of archaeological materials that may be identified during construction of the Project and explain the importance of and legal basis for the protection of significant archaeological resources. Each worker shall also learn the proper procedures to follow in the event that cultural resources or human remains are uncovered during ground-disturbing activities. These procedures include work curtailment or redirection, and the immediate contact of the site supervisor and archaeological monitor.

Retention of a Qualified Archaeologist. A qualified archaeologist shall be retained and on-call to respond and address any inadvertent discoveries identified for the duration of construction activities. Additionally, in consideration of the potential to encounter intact cultural deposits beneath fill soils, the qualified archaeologist shall survey the proposed Project site once fill soils have been removed to ensure no cultural deposits underly the fill layer. If is determined, based on the survey after the removal of fill soils, that cultural resources are present or may be present that may be impacted during Project construction, further study including subsurface testing as well as archaeological monitoring may be warranted. If it is determined that monitoring is warranted, a qualified archaeological principal investigator, meeting the Secretary of the Interior's Professional Qualification Standards, should oversee and adjust monitoring efforts as needed (increase, decrease, or discontinue monitoring frequency) based on the observed potential for construction activities to encounter cultural deposits or material. The archaeological monitor will be responsible for maintaining daily monitoring logs.

Inadvertent Discovery Treatment and Protocol. In the event that archaeological resources (sites, features, or artifacts) are exposed during construction activities for the proposed Project, all construction work occurring within 50 feet of the find should immediately stop and a qualified archaeologist should notified immediately to assess the significance of the find and determine whether or not additional study is warranted. If human remains or suspected human remains are discovered, all construction work occurring within 50 feet of the find should immediately stop. Depending upon the significance of the find, the archaeologist may simply record the find and allow work to continue. If the discovery proves significant under CEQA, additional work such as preparation of an archaeological treatment plan, testing, data recovery, or monitoring may be warranted.

Within 60 days following completion of ground disturbance, an archaeological monitoring report shall be prepared and submitted to the City for review. This report should document compliance with approved mitigation, document the monitoring efforts, and include an appendix with daily monitoring logs. The final report shall be submitted to the SCCIC.

In accordance with Section 7050.5 of the California Health and Safety Code, if human remains are found, the county coroner shall be immediately notified of the discovery. No further excavation or disturbance of the site or any nearby area reasonably suspected to overlie adjacent remains shall occur until the county coroner has determined the appropriate treatment and disposition of the human remains. If the County Coroner determines that the remains are, or are believed to be, Native American, he or she shall follow all required protocols according to California Public Resources Code, Section 5097.98.

Should you have any questions relating to this report and its findings, please do not hesitate to contact me directly at lkry@dudek.com or Heather McDaniel McDevitt at hmcdevitt@dudek.com.

Sincerely,

Linda Kry, B.A., RA
Project Archaeologist

Heather McDaniel McDevitt, M.A., RPA
Senior Archaeologist

Att.: *Appendix A: Figures*
Appendix B. (Confidential) SCCIC Records Search Information
Appendix C. NAHC SLF Search Results

cc: *Kristin Starbird, Project Manager, Dudek*
Kira Archipov – CEQA Intern, Dudek

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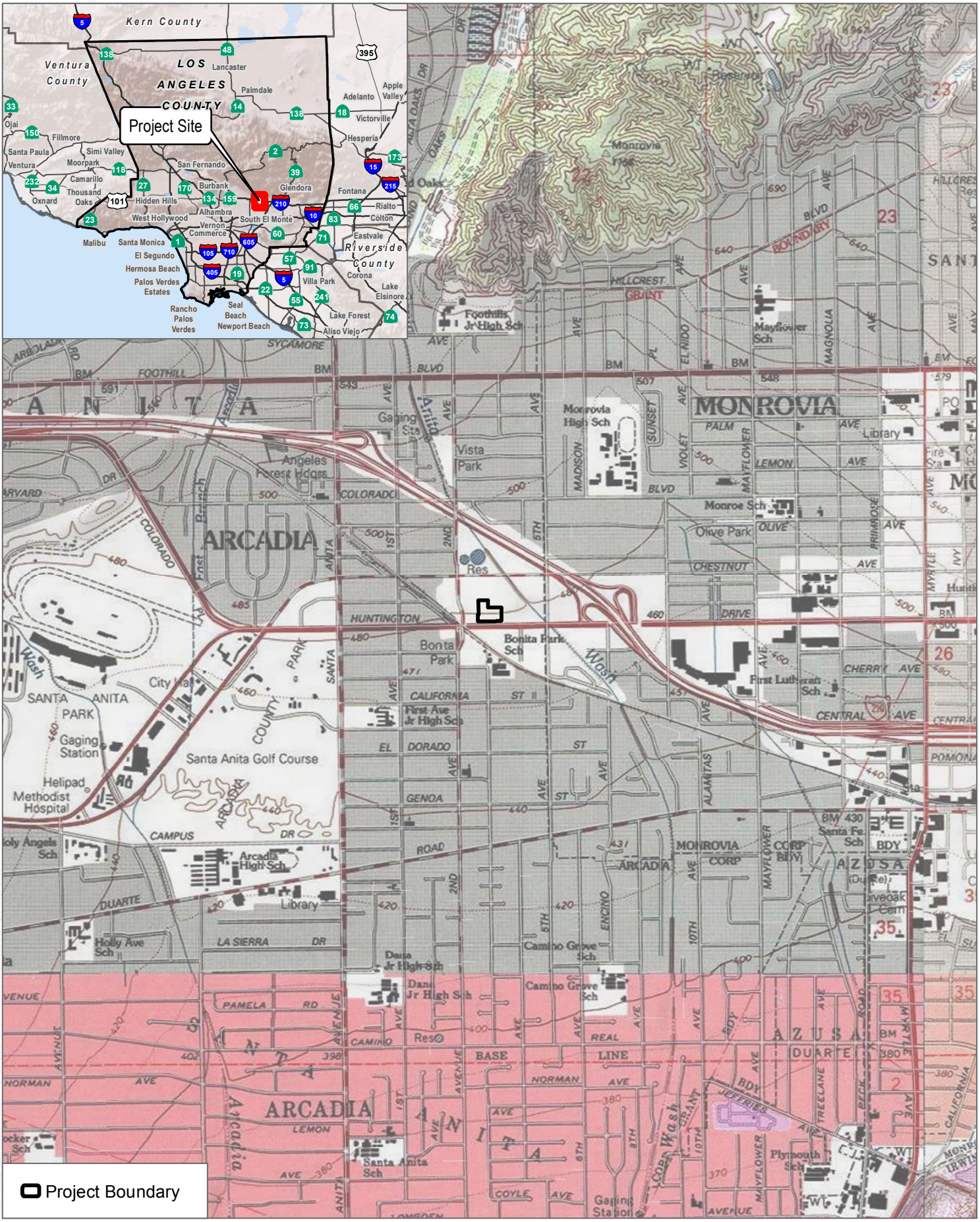
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Appendix A

Figures



SOURCE: USGS 7.5-Minute Series Mt Wilson Quadrangle
Township 1N; Range 11W; Section 27

DUDEK

0 1,000 2,000 Feet

FIGURE 1

Regional Location

The Derby Project



SOURCE: Bing Maps 2020; CAMS 2011

DUDEK

0 100 200 Feet

FIGURE 2

Project Site

The Derby Project

Appendix B

CONFIDENTIAL SCCIC Records Search Information

Appendix C

NAHC SLF Search Results

NATIVE AMERICAN HERITAGE COMMISSION

CHAIRPERSON
Laura Miranda
Luiseño

VICE CHAIRPERSON
Reginald Pagaling
Chumash

PARLIAMENTARIAN
Russell Attebery
Karuk

COMMISSIONER
William Mungary
Paiute/White Mountain Apache

COMMISSIONER
Isaac Bojorquez
Ohlone-Costanoan

COMMISSIONER
Sara Dutschke
Miwok

COMMISSIONER
Buffy McQuillen
Yokayo Pomo, Yuki, Nomlaki

COMMISSIONER
Wayne Nelson
Luiseño

COMMISSIONER
Stanley Rodriguez
Kumeyaay

EXECUTIVE SECRETARY
Christina Snider
Pomo

NAHC HEADQUARTERS
1550 Harbor Boulevard
Suite 100
West Sacramento,
California 95691
(916) 373-3710
nahc@nahc.ca.gov
NAHC.ca.gov

December 16, 2021

Heather McDaniel McDevitt
DUDEK

Via Email to: karchipov@dudek.com

Re: Arcadia Mixed-Use Specific Plan Project, Los Angeles County

Dear Ms. McDevitt:

A record search of the Native American Heritage Commission (NAHC) Sacred Lands File (SLF) was completed for the information submitted for the above referenced project. The results were positive. Please contact the Gabrieleno Band of Mission Indians – Kizh Nation on the attached list for information. Please note that tribes do not always record their sacred sites in the SLF, nor are they required to do so. A SLF search is not a substitute for consultation with tribes that are traditionally and culturally affiliated with a project's geographic area. Other sources of cultural resources should also be contacted for information regarding known and recorded sites, such as the appropriate regional California Historical Research Information System (CHRIS) archaeological Information Center for the presence of recorded archaeological 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. Please contact all of those listed; if they cannot supply information, they may 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 the NAHC. 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: Andrew.Green@nahc.ca.gov.

Sincerely,

Andrew Green

Andrew Green
Cultural Resources Analyst

Attachment

Appendix E-1
Geotechnical Investigation

GEOTECHNICAL INVESTIGATION

PROPOSED MIXED-USE DEVELOPMENT
233-301 EAST HUNTINGTON DRIVE
ARCADIA, CALIFORNIA
APN: 5775-009-065 & -070

GEOCON
W E S T, I N C.

GEOTECHNICAL
ENVIRONMENTAL
MATERIALS

PREPARED FOR

ELITE REAL ESTATE HOLDINGS, LLC
ARCADIA, CALIFORNIA

PROJECT NO. W1567-06-01

JUNE 29, 2022

Project No. W1567-06-01
June 29, 2022

Mr. Dustin Nicolarsen
Elite Real Estate Holdings, LLC
233 E. Huntington Drive
Arcadia, CA 91006

Subject: GEOTECHNICAL INVESTIGATION
PROPOSED MIXED-USE DEVELOPMENT
233-301 EAST HUNTINGTON DRIVE
ARCADIA, CALIFORNIA
APN: 5775-009-065 & -070

Dear Mr. Nicolarsen:

In accordance with your authorization of our proposal dated April 19, 2022, we have performed a geotechnical investigation for the proposed mixed-use development located at 233-301 East Huntington Drive in the City of Arcadia, California. The accompanying report presents the findings of our study, and our conclusions and recommendations pertaining to the geotechnical aspects of proposed design and construction. Based on the results of our investigation, it is our opinion that the site can be developed as proposed, provided the recommendations of this report are followed and implemented during design and construction.

If you have any questions regarding this report, or if we may be of further service, please contact the undersigned.

Very truly yours,

GEOCON WEST, INC.

REGISTERED PROFESSIONAL ENGINEER
PETRINA ZEN
C87489
CIVIL
STATE OF CALIFORNIA

Petrina Zen
PE 87489

REGISTERED PROFESSIONAL ENGINEER
H. HARRY DERKALOUSDIAN
C79694
CIVIL
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Harry Derkalousdian
PE 79694

PROFESSIONAL GEOLOGIST
SUSAN FRANZEN KIRKGARD
No. 1754
CERTIFIED ENGINEERING GEOLOGIST
STATE OF CALIFORNIA

Susan F. Kirkgard
CEG 1754

(Email) Addressee

TABLE OF CONTENTS

1. PURPOSE AND SCOPE 1
2. SITE AND PROJECT DESCRIPTION 1
3. GEOLOGIC SETTING 2
4. SOIL AND GEOLOGIC CONDITIONS 3
   - 4.1 Artificial Fill 3
   - 4.2 Alluvium 3
5. GROUNDWATER 3
6. GEOLOGIC HAZARDS 4
   - 6.1 Surface Fault Rupture 4
   - 6.2 Seismicity 5
   - 6.3 Seismic Design Criteria 5
   - 6.4 Liquefaction Potential 7
   - 6.5 Slope Stability 8
   - 6.6 Earthquake-Induced Flooding 8
   - 6.7 Tsunamis, Seiches, and Flooding 8
   - 6.8 Oil Fields & Methane Potential 9
   - 6.9 Subsidence 9
7. CONCLUSIONS AND RECOMMENDATIONS 10
   - 7.1 General 10
   - 7.2 Soil and Excavation Characteristics 13
   - 7.3 Minimum Resistivity, pH, and Water-Soluble Sulfate 14
   - 7.4 Grading 14
   - 7.5 Foundation Design 16
   - 7.6 Foundation Settlement 18
   - 7.7 Miscellaneous Foundations 18
   - 7.8 Lateral Design 19
   - 7.9 Concrete Slabs-on-Grade 19
   - 7.10 Preliminary Pavement Recommendations 21
   - 7.11 Retaining Wall Design 23
   - 7.12 Dynamic (Seismic) Lateral Forces 25
   - 7.13 Retaining Wall Drainage 25
   - 7.14 Elevator Pit Design 26
   - 7.15 Elevator Piston 26
   - 7.16 Temporary Excavations 27
   - 7.17 Shoring – Soldier Pile Design and Installation 27
   - 7.18 Temporary Tie-Back Anchors 34
   - 7.19 Anchor Installation 35
   - 7.20 Anchor Testing 35
   - 7.21 Internal Bracing 36
   - 7.22 Stormwater Infiltration 36
   - 7.23 Surface Drainage 38
   - 7.24 Plan Review 39

LIMITATIONS AND UNIFORMITY OF CONDITIONS

LIST OF REFERENCES

TABLE OF CONTENTS (Continued)

MAPS, TABLES, AND ILLUSTRATIONS
- Figure 1, Vicinity Map
- Figure 2A, Site Plan
- Figure 2B, Cross Section
- Figure 3, Regional Fault Map
- Figure 4, Regional Seismicity Map
- Figures 5 and 6, Retaining Wall Drain Detail
- Figure 7, Percolation Test Results

APPENDIX A
- FIELD INVESTIGATION
- Figures A1 through A5, Boring Logs

APPENDIX B
- LABORATORY TESTING
- Figures B1 through B9, Direct Shear Test Results
- Figures B10 through B28, Consolidation Test Results
- Figure B29, Corrosivity Test Results

GEOTECHNICAL INVESTIGATION

1. PURPOSE AND SCOPE

This report presents the results of a geotechnical investigation for the proposed mixed-use development located at 233-301 East Huntington Drive in the City of Arcadia, California (see Vicinity Map, Figure 1). The purpose of the investigation was to evaluate subsurface soil and geologic conditions underlying the site and, based on conditions encountered, to provide conclusions and recommendations pertaining to the geotechnical aspects of design and construction.

The scope of this investigation included a site reconnaissance, field exploration, laboratory testing, engineering analysis, and the preparation of this report. The site was explored on May 20, 2022 by excavating five 8-inch diameter borings to depths ranging from approximately 30½ to 45½ feet below the existing ground surface using a truck-mounted, hollow-stem auger drilling machine. The approximate locations of the exploratory borings are depicted on the Site Plan (see Figure 2A). A detailed discussion of the field investigation, including boring logs, is presented in Appendix A.

Laboratory tests were performed on selected soil samples obtained during the investigation to determine pertinent physical and chemical soil properties. Appendix B presents a summary of the laboratory test results.

The recommendations presented herein are based on analysis of the data obtained during the investigation and our experience with similar soil and geologic conditions. References reviewed to prepare this report are provided in the *List of References* section.

If project details vary significantly from those described herein, Geocon should be contacted to determine the necessity for review and possible revision of this report.

2. SITE AND PROJECT DESCRIPTION

The subject site is located at 233-301 East Huntington Drive in the City of Arcadia, California. The site is currently occupied by two single-story commercial structures and associated asphalt-paved parking lots. The site is bounded by a four-story hotel and associated asphalt paved parking lot to the north, by Gateway Drive to the east, by East Huntington Drive to the south, and by a seven-story hotel and associated asphalt paved parking lot to the west. The topography at the site and in the general site vicinity slopes gently downward towards the south. Surface water drainage at the site appears to be by sheet flow along the existing ground contours to the city streets. Vegetation consists of some isolated trees and shrubs in isolated planter areas.

Based on the information provided by the Client, it is our understanding that the proposed mixed-use development will be a six-story structure with one subterranean parking level (see Figures 2A and 2B). The ground level of the proposed development will consist of parking, restaurant, and commercial space with residential housing located on the levels above. It is anticipated that the subterranean level will extend to a depth of approximately 14 feet, including foundation depths (see Figure 2B).

Due to preliminary nature of the design at this time, wall and column loads were not available. It is anticipated that column loads for the proposed structure will be up to 700 kips, and wall loads will be up to 8 kips per linear foot.

Once the design phase and foundation loading configuration proceeds to a more finalized plan, the recommendations within this report should be reviewed and revised, if necessary. Any changes in the design, location or elevation of any structure, as outlined in this report, should be reviewed by this office. Geocon should be contacted to determine the necessity for review and possible revision of this report.

3. GEOLOGIC SETTING

The site is located in the north-central San Gabriel Valley, approximately 1.0 mile south of the southern flank of the San Gabriel Mountains. The San Gabriel Valley is an alluvium-filled valley bounded by the Sierra Madre Fault Zone and San Gabriel Mountains on the north, by the Puente Hills on the south, by the Covina and Indian Hills on the east, and by the Raymond Basin on the west. The alluvial deposits are derived from erosion of the San Gabriel Mountains to the north and subsequent deposition by the San Gabriel River, Santa Anita Wash, and other local drainages. The alluvium is estimated to be approximately 200 feet thick at the base of the mountains, extending to hundreds of feet thick in the central portion of the valley.

Regionally, the site is located within the northern portion of the Peninsular Ranges geomorphic province. This geomorphic province is characterized by northwest-trending physiographic and geologic features such as the active Whittier Fault located approximately 9.6 miles to the south. The active Raymond Fault, located approximately 0.9 mile to the northwest of the site, forms the local boundary between the Peninsular Ranges geomorphic province and the Transverse Ranges geomorphic province to the north.

4. SOIL AND GEOLOGIC CONDITIONS

Based on our field investigation and published geologic maps of the area, the site is underlain by artificial fill and Holocene age alluvial fan deposits comprised of sand with varying amounts of silt, gravel and cobbles (California Geological Survey [CGS], 2010). Detailed stratigraphic profiles are provided on the boring logs in Appendix A.

4.1 Artificial Fill

Artificial fill was encountered in the exploratory borings to a maximum depth of 3 feet below existing ground surface. The artificial fill generally consists of dark brown or olive brown silty sand or sand with silt. The fill is characterized as moist and loose to medium dense. The fill is likely the result of past grading or construction activities at the site. Deeper fill may exist between excavations and in other portions of the site that were not directly explored.

4.2 Alluvium

Holocene age alluvium was encountered beneath the artificial fill and consists primarily of light brown to brown, light olive brown, or gray interbedded poorly graded and well-graded sand with varying amounts of silt and gravel, and locally some cobbles (to 5 inches). The alluvium is characterized as slightly moist to very moist and loose to very dense.

5. GROUNDWATER

Review of the Seismic Hazard Evaluation of the Mount Wilson 7.5-Minute Quadrangle (California Division of Mines and Geology [CDMG], 1998) indicates that the historically highest groundwater level in the immediate area is approximately 150 feet beneath the ground surface. Groundwater information presented in this document is generated from data collected in the early 1900's to the late 1990s. Based on current groundwater basin management practices, it is unlikely that groundwater levels will ever exceed the historic high levels.

Groundwater was not encountered in our borings drilled to a maximum depth of 45½ feet beneath the existing ground surface. Considering the reported historic high groundwater level (CDMG, 1998), the lack of groundwater encountered in our borings, and the depth of the proposed construction, it is unlikely that static groundwater will be encountered during construction or adversely impact the proposed development. However, it is not uncommon for groundwater levels to vary seasonally or for groundwater seepage conditions to develop where none previously existed, especially in impermeable fine-grained soils which are heavily irrigated or after seasonal rainfall. In addition, recent requirements for stormwater infiltration could result in shallower seepage conditions in the immediate site vicinity. Proper surface drainage of irrigation and precipitation will be critical for future performance of the project. Recommendations for drainage are provided in the S*urface Drainage* section of this report (see Section 7.23).

6. GEOLOGIC HAZARDS

6.1 Surface Fault Rupture

The numerous faults in Southern California include Holocene-active, pre-Holocene, and inactive faults. The criteria for these major groups are based on criteria developed by the California Geological Survey (CGS, formerly known as CDMG) for the Alquist-Priolo Earthquake Fault Zone Program (CGS, 2018). By definition, a Holocene-active fault is one that has had surface displacement within Holocene time (about the last 11,700 years). A pre-Holocene fault has demonstrated surface displacement during Quaternary time (approximately the last 1.6 million years) but has had no known Holocene movement. Faults that have not moved in the last 1.6 million years are considered inactive.

The site is not within a state-designated Alquist-Priolo Earthquake Fault Zone (CGS, 2022b; CGS, 2017) or a city-designated Fault Hazard Management Zone (City of Arcadia, 2010) for surface fault rupture hazards. No Holocene-active or pre-Holocene faults with the potential for surface fault rupture are known to pass directly beneath the site. Therefore, the potential for surface rupture due to faulting occurring beneath the site during the design life of the proposed development is considered low. However, the site is located in the seismically active Southern California region, and could be subjected to moderate to strong ground shaking in the event of an earthquake on one of the many active Southern California faults. The faults in the vicinity of the site are shown in Figure 3, Regional Fault Map.

The closest Holocene-active fault to the site is the Raymond Fault located approximately 0.9 mile to the northwest (CGS, 2017). Other nearby Holocene-active faults are the Sierra Madre Fault Zone (Section D-Duarte Fault), the East Montebello Fault, and the Whittier Fault located approximately 1.8 miles northeast, 6.7 miles southwest, and 9.6 miles south of the site, respectively. (USGS, 2006; Ziony and Jones, 1989). The active San Andreas Fault Zone is located approximately 23 miles northeast of the site (Ziony and Jones, 1989).

Several buried thrust faults, commonly referred to as blind thrusts, underlie the Los Angeles Basin and the San Gabriel Valley at depth. These faults are not exposed at the ground surface and are typically identified at depths greater than 3.0 kilometers. The October 1, 1987 M_w 5.9 Whittier Narrows earthquake and the January 17, 1994 M_w 6.7 Northridge earthquake were a result of movement on the Puente Hills Blind Thrust and the Northridge Thrust, respectively. The site is underlain by the Puente Hills Blind Thrust. This thrust fault and others in the greater Los Angeles area are not exposed at the surface and do not present a potential surface fault rupture hazard at the site; however, these deep thrust faults are considered active features capable of generating future earthquakes that could result in moderate to significant ground shaking at the site.

6.2 Seismicity

As with all of Southern California, the site has experienced historic earthquakes from various regional faults. The seismicity of the region surrounding the site was formulated based on research of an electronic database of earthquake data. The epicenters of recorded earthquakes with magnitudes equal to or greater than 5.0 in the site vicinity are depicted on Figure 4, Regional Seismicity Map. A partial list of moderate to major magnitude earthquakes that have occurred in the Southern California area within the last 100 years is included in the following table.

LIST OF HISTORIC EARTHQUAKES

Earthquake (Oldest to Youngest)	Date of Earthquake	Magnitude	Distance to Epicenter (Miles)	Direction to Epicenter
Near Redlands	July 23, 1923	6.3	45	ESE
Long Beach	March 10, 1933	6.4	36	S
Tehachapi	July 21, 1952	7.5	82	NW
San Fernando	February 9, 1971	6.6	28	NW
Whittier Narrows	October 1, 1987	5.9	6	SW
Sierra Madre	June 28, 1991	5.8	8	NNE
Landers	June 28, 1992	7.3	91	E
Big Bear	June 28, 1992	6.4	68	E
Northridge	January 17, 1994	6.7	30	W
Hector Mine	October 16, 1999	7.1	105	ENE
Ridgecrest	July 5, 2019	7.1	115	NNE

The site could be subjected to strong ground shaking in the event of an earthquake. However, this hazard is common in Southern California and the effects of ground shaking can be mitigated if the proposed structures are designed and constructed in conformance with current building codes and engineering practices.

6.3 Seismic Design Criteria

The following table summarizes the site-specific design criteria obtained from the 2019 California Building Code (CBC; Based on the 2018 International Building Code [IBC] and ASCE 7-16), Chapter 16 Structural Design, Section 1613 Earthquake Loads. The data was calculated using the online application Seismic Design Maps, provided by OSHPD. The short spectral response uses a period of 0.2 second. We evaluated the Site Class based on the discussion in Section 1613.2.2 of the 2019 CBC and Table 20.3-1 of ASCE 7-16. The values presented on the following page are for the risk-targeted maximum considered earthquake (MCER).

2019 CBC SEISMIC DESIGN PARAMETERS

Parameter	Value	2016 CBC Reference
Site Class	D	Section 1613.3.2
MCE_R Ground Motion Spectral Response Acceleration – Class B (short), S_S	1.936g	Figure 1613.3.1(1)
MCE_R Ground Motion Spectral Response Acceleration – Class B (1 sec), S_1	0.705g	Figure 1613.3.1(2)
Site Coefficient, F_A	1	Table 1613.3.3(1)
Site Coefficient, F_V	1.7*	Table 1613.3.3(2)
Site Class Modified MCE_R Spectral Response Acceleration (short), S_{MS}	1.936g	Section 1613.3.3 (Eqn 16-37)
Site Class Modified MCE_R Spectral Response Acceleration – (1 sec), S_{M1}	1.198g*	Section 1613.3.3 (Eqn 16-38)
5% Damped Design Spectral Response Acceleration (short), S_{DS}	1.291g	Section 1613.3.4 (Eqn 16-39)
5% Damped Design Spectral Response Acceleration (1 sec), S_{D1}	0.798g*	Section 1613.3.4 (Eqn 16-40)

Note:

*Per Section 11.4.8 of ASCE/SEI 7-16, a ground motion hazard analysis shall be performed for projects for Site Class "E" sites with Ss greater than or equal to 1.0g and for Site Class "D" and "E" sites with S1 greater than 0.2g. Section 11.4.8 also provides exceptions which indicates that the ground motion hazard analysis may be waived provided the exceptions are followed. Using the code-based values presented in the table above, in lieu of a performing a ground motion hazard analysis, requires the exceptions outlined in ASCE 7-16 Section 11.4.8 be followed.

The table below presents the mapped maximum considered geometric mean (MCEG) seismic design parameters for projects located in Seismic Design Categories of D through F in accordance with ASCE 7-16.

ASCE 7-16 PEAK GROUND ACCELERATION

Parameter	Value	ASCE 7-16 Reference
Mapped MCE_G Peak Ground Acceleration, PGA	0.841g	Figure 22-9
Site Coefficient, F_{PGA}	1.1	Table 11.8-1
Site Class Modified MCE_G Peak Ground Acceleration, PGA_M	0.925g	Section 11.8.3 (Eqn 11.8-1)

The Maximum Considered Earthquake Ground Motion (MCE) is the level of ground motion that has a 2 percent chance of exceedance in 50 years, with a statistical return period of 2,475 years. According to the 2019 California Building Code and ASCE 7-16, the MCE is to be utilized for the evaluation of liquefaction, lateral spreading, seismic settlements, and it is our understanding that the intent of the Building Code is to maintain "Life Safety" during a MCE event. The Design Earthquake Ground Motion (DE) is the level of ground motion that has a 10 percent chance of exceedance in 50 years, with a statistical return period of 475 years.

Deaggregation of the MCE peak ground acceleration was performed using the USGS online Unified Hazard Tool, 2014 Conterminous U.S. Dynamic edition (v4.2.0). The result of the deaggregation analysis indicates that the predominant earthquake contributing to the MCE peak ground acceleration is characterized as a 7.05 magnitude event occurring at a hypocentral distance of 9.43 kilometers from the site.

Deaggregation was also performed for the Design Earthquake (DE) peak ground acceleration, and the result of the analysis indicates that the predominant earthquake contributing to the DE peak ground acceleration is characterized as a 6.96 magnitude occurring at a hypocentral distance of 14.35 kilometers from the site.

Conformance to the criteria in the above tables for seismic design does not constitute any kind of guarantee or assurance that significant structural damage or ground failure will not occur if a large earthquake occurs. The primary goal of seismic design is to protect life, not to avoid all damage, since such design may be economically prohibitive.

6.4 Liquefaction Potential

Liquefaction is a phenomenon in which loose, saturated, relatively cohesionless soil deposits lose shear strength during strong ground motions. Primary factors controlling liquefaction include intensity and duration of ground motion, gradation characteristics of the subsurface soils, in-situ stress conditions, and the depth to groundwater. Liquefaction is typified by a loss of shear strength in the liquefied layers due to rapid increases in pore water pressure generated by earthquake accelerations.

The current standard of practice, as outlined in the "Recommended Procedures for Implementation of DMG Special Publication 117, Guidelines for Analyzing and Mitigating Liquefaction in California" and "Special Publication 117A, Guidelines for Evaluating and Mitigating Seismic Hazards in California" requires liquefaction analysis to a depth of 50 feet below the lowest portion of the proposed structure. Liquefaction typically occurs in areas where the soils below the water table are composed of poorly consolidated, fine- to medium-grained, primarily sandy soil. In addition to the requisite soil conditions, the ground acceleration and duration of the earthquake must also be of a sufficient level to induce liquefaction.

The Seismic Hazards Zone Map for the Mount Wilson Quadrangle (CDMG, 1999; CGS, 2017) indicates that the site is not located within a zone of required investigation for liquefaction. In addition, the City of Arcadia General Plan (2010) and the County of Los Angeles Safety Element (Leighton, 1990), indicate that the site is not located within an area designated as having a potential for liquefaction. Groundwater was not encountered in our borings drilled to a maximum depth of 45½ feet beneath the existing ground surface and the historic high groundwater level in the area is reported to be approximately 150 feet beneath the existing ground surface (CDMG, 1998). Based on these considerations, it is our opinion that the potential for liquefaction and associated ground deformations beneath the site is very low.

6.5 Slope Stability

The site is relatively level and the topography in the site vicinity slopes downward toward the south-southeast. The City of Arcadia General Plan (2010) and County of Los Angeles Safety Element (Leighton, 1990), indicate that the site is not located in a "hillside area" or an area identified as having a potential for slope stability hazards. Also, the State of California (CDMG, 1999; CGS, 2017) and the City of Arcadia (2010) indicate that the site is not located within a zone of required investigation for earthquake-induced landslides. There are no known landslides near the site, nor is the site in the path of any known or potential landslides. Therefore, the potential for slope stability hazards to adversely impact the site is considered low.

6.6 Earthquake-Induced Flooding

Earthquake-induced flooding is inundation caused by failure of dams or other water-retaining structures due to earthquakes. The City of Arcadia General Plan (2010) and the County of Los Angeles Safety Element (Leighton, 1990) indicate that the site is located within the potential inundation area for Santa Anita Dam. However, this reservoir, as well as others in California, are continually monitored by various governmental agencies (such as the State of California Division of Safety of Dams and the U.S. Army Corps of Engineers) to guard against the threat of dam failure. Current design, construction practices, and ongoing programs of review, modification, or total reconstruction of existing dams are intended to ensure that all dams are capable of withstanding the maximum considered earthquake (MCE) for the site. Therefore, the potential for inundation at the site as a result of an earthquake-induced dam failure is considered low.

6.7 Tsunamis, Seiches, and Flooding

The site is not located within a coastal area. Therefore, tsunamis are not considered a significant hazard at the site.

Seiches are large waves generated in enclosed bodies of water in response to ground shaking. No major water-retaining structures are located immediately up gradient from the project site. Therefore, flooding from a seismically induced seiche is considered unlikely.

The site is within a Zone D as defined by the Federal Emergency Management Agency (FEMA, 2022; LACDPW, 2022b). Sites within a Zone D have an undetermined but possible flood hazard (FEMA, 2022).

6.8 Oil Fields & Methane Potential

Review of the California Geologic Energy Management Division (CalGEM) Well Finder Website (2022) indicates that the site is not located within the limits of an oilfield and oil or gas wells are not located within ½-mile of the site. However, due to the voluntary nature of record reporting by the oil well drilling companies, wells may be improperly located or not documented on the location map. Undocumented wells could be encountered during construction. Any wells encountered will need to be properly abandoned in accordance with the current requirements of the CalGEM

Since the site is not within an oilfield, the potential for methane or other volatile gases to occur at the site is considered very low. However, should it be determined that a methane study is required for the proposed development it is recommended that a qualified methane consultant be retained to perform the study and provide mitigation measures as necessary.

6.9 Subsidence

Subsidence occurs when a large portion of land is displaced vertically, usually due to the withdrawal of groundwater, oil, or natural gas. Soils that are particularly subject to subsidence include those with high silt or clay content. The site is not located within an area of known ground subsidence (USGS, 2022a). No large-scale extraction of groundwater, gas, oil, or geothermal energy is occurring or planned at the site or in the general site vicinity. There appears to be little or no potential for ground subsidence due to withdrawal of fluids or gases at the site.

7. CONCLUSIONS AND RECOMMENDATIONS

7.1 General

7.1.1 It is our opinion that neither soil nor geologic conditions were encountered during the investigation that would preclude the construction of the proposed development provided the recommendations presented herein are followed and implemented during design and construction.

7.1.2 Up to 3 feet of existing artificial fill was encountered during the site investigation. The existing fill encountered is believed to be the result of past grading and construction activities at the site. Deeper fill may exist in other areas of the site that were not directly explored. Future demolition of the existing structures which occupy the site will likely disturb the upper few feet of soil. It is our opinion that the existing fill, in its present condition, is not suitable for direct support of proposed foundations or slabs. The existing fill and site soils are suitable for re-use as engineered fill provided the recommendations in the *Grading* section of this report are followed (see Section 7.4). Excavations for the subterranean level are anticipated to penetrate through the existing artificial fill and expose undisturbed alluvial soils throughout the excavation bottom.

7.1.3 Groundwater was not encountered during site exploration and the current groundwater table is sufficiently deep that it not expected to be encountered during construction. However, local seepage could be encountered during excavation of the subterranean level, especially if conducted during the rainy season.

7.1.4 Based on these considerations, the proposed structure may be supported on conventional foundation system deriving support in the competent alluvium found at and below a depth of 12 feet below the existing ground surface. Foundations should be deepened as necessary to penetrate through soft or unsuitable alluvium at the direction of the Geotechnical Engineer. All foundation excavations must be observed and approved by the Geotechnical Engineer (a representative of Geocon), prior to placing steel or concrete. Recommendations for the design of a conventional foundation system are provided in Section 7.5.

7.1.5 Excavations up to 14 feet in vertical height are anticipated for construction of the subterranean level, including foundation depths. Due to the depth of the excavation and the proximity to the property lines, city streets and adjacent offsite structures, excavation of the proposed subterranean level will likely require sloping and shoring measures in order to provide a stable excavation. Where shoring is required it is recommended that a soldier pile shoring system be utilized. In addition, where the proposed excavation will be deeper than and adjacent to an offsite structure, the proposed shoring should be designed to resist the surcharge imposed by the adjacent offsite structure. Recommendations for shoring are provided in Section 7.17 of this report.

7.1.6 Based on our observations onsite and our knowledge of the geologic setting, cobbles should be anticipated during earthwork at the subject site. Boulders are also common in this geologic environment and should be expected in the existing fill or alluvial soils. Due to the granular nature of the soils, moderate to excessive caving is anticipated during excavation activities. The contractor should be aware that casing will be required during shoring pile installation and formwork may be required to prevent caving of shallow spread foundation excavations. In addition, the contractor should be prepared to screen abundant cobble and boulders from the soils during earthwork operations. Generation and disposal of oversized material (greater than 6 inches) should be anticipated.

7.1.7 Please be aware that the use of hollow-stem auger drilling equipment utilized for this investigation does not allow for the identification of the size of rock or abundance of rock being encountered or the visual observation of caving conditions since the drilling method is a small diameter cased excavation. It is recommended that the contractors bidding on earthwork, excavation and shoring installation for this project perform their own excavations and test borings with the intended earthwork and drilling equipment to verify the presence, abundance, and size of buried rock (cobbles and boulders), potential for caving, as well as the suitability of the proposed excavation and drilling equipment for the safe and efficient earthwork operations and installation of the shoring system.

7.1.8 Due to the nature of the proposed design and intent for a subterranean level, waterproofing of subterranean walls and slabs is suggested. Particular care should be taken in the design and installation of waterproofing to avoid moisture problems, or actual water seepage into the structure through any normal shrinkage cracks which may develop in the concrete walls, floor slab, foundations and/or construction joints. The design and inspection of the waterproofing is not the responsibility of the geotechnical engineer. A waterproofing consultant should be retained in order to recommend a product or method, which would provide protection to subterranean walls, floor slabs and foundations.

7.1.9 Foundations for small outlying structures, such as block walls up to 6 feet in height, planter walls or trash enclosures, which will not be tied to the proposed structure, may be supported on conventional foundations deriving support on a minimum of 12 inches of newly placed engineered fill, which extends laterally at least 12 inches beyond the foundation area. Where excavation and compaction cannot be performed, foundations may derive support directly in the competent undisturbed alluvial soils at and below a depth of 24 inches, and should be deepened as necessary to maintain a minimum 12 inch embedment into the recommended bearing materials. If the soils exposed in the excavation bottom are soft or loose, compaction of the soils will be required prior to placing steel or concrete. Compaction of the foundation excavation bottom is typically accomplished with a compaction wheel or mechanical whacker and must be observed and approved by a Geocon representative.

7.1.10 Where new paving is to be placed, it is recommended that all existing fill and soft alluvial soils be excavated and properly compacted for paving support. The client should be aware that excavation and compaction of all existing fill and soft alluvial soils in the area of new paving is not required; however, paving constructed over existing uncertified fill or unsuitable alluvial soil may experience increased settlement and/or cracking, and may therefore have a shorter design life and increased maintenance costs. As a minimum, the upper 12 inches of subgrade soil should be scarified and properly compacted for paving support. Paving recommendations are provided in *Preliminary Pavement Recommendations* section of this report (see Section 7.10).

7.1.11 Based on the results of percolation testing performed at the site, a stormwater infiltration system is considered feasible for this project. Recommendations for infiltration are provided in the *Stormwater Infiltration* section of this report (see Section 7.22).

7.1.12 Once the design and foundation loading configuration for the proposed structure proceeds to a more finalized plan, the recommendations within this report should be reviewed and revised, if necessary. Based on the final foundation loading configurations, the potential for settlement should be re-evaluated by this office.

7.1.13 Any changes in the design, location or elevation, as outlined in this report, should be reviewed by this office. Geocon should be contacted to determine the necessity for review and possible revision of this report.

7.2 Soil and Excavation Characteristics

7.2.1 The in-situ soils can be excavated with moderate effort using conventional excavation equipment. Due to the granular nature of the soils, moderate to excessive caving is anticipated in unshored excavations. The contractor should be aware drilling conditions may be difficult due to the potential for caving, as well as the presence of cobbles and boulders, and that casing will be required during shoring pile installation and formwork may be required to prevent caving of shallow spread foundation excavations. In addition, the contractor should be prepared to screen abundant cobble and boulders from the soils during earthwork operations.

7.2.2 Please be aware that the use of hollow-stem auger drilling equipment utilized for this investigation does not allow for the identification of the size of rock or abundance of rock being encountered or the visual observation of caving conditions since the drilling method is a small diameter cased excavation. It is recommended that the contractors bidding on earthwork, excavation and shoring installation for this project perform their own excavations and test borings with the intended earthwork and drilling equipment to verify the presence, abundance, and size of buried rock (cobbles and boulders), potential for caving, as well as the suitability of the proposed excavation and drilling equipment for the safe and efficient earthwork operations and installation of the shoring system.

7.2.3 It is the responsibility of the contractor to ensure that all excavations and trenches are properly shored and maintained in accordance with applicable OSHA rules and regulations to maintain safety and maintain the stability of existing adjacent improvements.

7.2.4 All onsite excavations must be conducted in such a manner that potential surcharges from existing structures, construction equipment, and vehicle loads are resisted. The surcharge area may be defined by a 1:1 projection down and away from the bottom of an existing foundation or vehicle load. Penetrations below this 1:1 projection will require special excavation measures such as sloping or shoring. Excavation recommendations are provided in the *Temporary Excavations* section of this report (see Section 7.16).

7.2.5 The soils encountered at the site are primarily granular in nature and are considered to be "non-expansive". Recommendations presented herein assume that the proposed foundations and slabs will derive support in "non-expansive" materials.

7.3 Minimum Resistivity, pH, and Water-Soluble Sulfate

7.3.1 Potential of Hydrogen (pH) and resistivity testing as well as chloride content testing were performed on representative samples of soil to generally evaluate the corrosion potential to surface utilities. The tests were performed in accordance with California Test Method Nos. 643 and 422 and indicate that the soils are considered "mildly corrosive" with respect to corrosion of buried ferrous metals on site. The results are presented in Appendix B (Figure B29) and should be considered for design of underground structures.

7.3.2 Laboratory tests were performed on representative samples of the site materials to measure the percentage of water-soluble sulfate content. Results from the laboratory water-soluble sulfate tests are presented in Appendix B (Figure B29) and indicate that the on-site materials possess a sulfate exposure class of "S0" to concrete structures as defined by 2019 CBC Section 1904 and ACI 318-19 Chapter 19.

7.3.3 Geocon West, Inc. does not practice in the field of corrosion engineering and mitigation. If corrosion sensitive improvements are planned, it is recommended that a corrosion engineer be retained to evaluate corrosion test results and incorporate the necessary precautions to avoid premature corrosion of buried metal pipes and concrete structures in direct contact with the soils.

7.4 Grading

7.4.1 Grading is anticipated to include excavation of site soils for the subterranean level, foundations, and utility trenches, as well as placement of backfill for walls, ramps, and trenches.

7.4.2 A preconstruction conference should be held at the site prior to the beginning of grading operations with the owner, contractor, civil engineer, geotechnical engineer, and building official in attendance. Special soil handling requirements can be discussed at that time.

7.4.3 Earthwork should be observed, and compacted fill tested by representatives of Geocon West, Inc. The existing fill and alluvial soil encountered during exploration is suitable for re-use as engineered fill, provided any encountered oversize material (greater than 6 inches) and any encountered deleterious debris are removed. **The contractor should be prepared to screen abundant cobble and boulders from the soils during earthwork operations**. Generation and disposal of oversized material (greater than 6 inches) should be anticipated. Additionally, the site soils have little to no cohesion and are prone to excessive caving. The contractor should be prepared for difficult excavation conditions. The presence of these materials and their impact on construction methods and equipment selection should be considered by both the owner and contractor prior to construction.

7.4.4 Please be aware that the use of hollow-stem auger drilling equipment utilized for this investigation does not allow for the identification of the size of rocks being encountered or the visual observation of caving conditions since the drilling method is a small diameter cased excavation. It is recommended that the contractor bidding on excavation for this project perform their own test excavations utilizing the intended excavation equipment to verify the presence and size of buried rock (cobble and boulders), potential for caving, as well as the suitability of the proposed equipment to perform for safe and efficient earthwork activities.

7.4.5 Grading should commence with the removal of all existing vegetation and existing improvements from the area to be graded. Deleterious debris such as wood and root structures should be exported from the site and should not be mixed with the fill soils. Asphalt and concrete should not be mixed with the fill soils unless approved by the Geotechnical Engineer. All existing underground improvements planned for removal should be completely excavated and the resulting depressions properly backfilled in accordance with the procedures described herein. Once a clean excavation bottom has been established it must be observed and approved in writing by the Geotechnical Engineer (a representative of Geocon West, Inc.).

7.4.6 The foundation system for the proposed structure may derive support in the competent undisturbed alluvial soils found at and below a depth of 12 feet below the existing ground surface.

7.4.7 All excavations must be observed and approved in writing by the Geotechnical Engineer (a representative of Geocon) prior to placing any fill or foundation construction.

7.4.8 All fill and backfill soils should be placed in horizontal loose layers approximately 6 to 8 inches thick, moisture conditioned to near optimum moisture content, and properly compacted to a minimum of 90 percent of the maximum dry density in accordance with ASTM D 1557 (latest edition).

7.4.9. Where new paving is to be placed, it is recommended that all existing fill and soft alluvium be excavated and properly compacted for paving support. As a minimum, the upper 12 inches of soil should be scarified, moisture conditioned to near optimum moisture content, and compacted to at least 95 percent relative compaction, as determined by ASTM D 1557 (latest edition). Paving recommendations are provided in *Preliminary Pavement Recommendations* section of this report (see Section 7.10).

7.4.10 Foundations for small outlying structures, such as block walls up to 6 feet high, planter walls or trash enclosures, which will not be tied to the proposed building, may be supported on conventional foundations deriving support on a minimum of 12 inches of newly placed engineered fill which extends laterally at least 12 inches beyond the foundation area. Where excavation and proper compaction cannot be performed, foundations may derive support directly in the undisturbed alluvial soils at and below a depth of 24 inches, and should be deepened as necessary to maintain a minimum 12 inch embedment into the recommended bearing materials. If the soils exposed in the excavation bottom are soft or loose, compaction of the soils will be required prior to placing steel or concrete. Compaction of the foundation excavation bottom is typically accomplished with a compaction wheel or mechanical whacker and must be observed and approved by a Geocon representative.

7.4.11 Although not anticipated for this project, all imported fill shall be observed, tested, and approved by Geocon West, Inc. prior to bringing soil to the site. Rocks larger than 6 inches in diameter shall not be used in the fill. If necessary, import soils used as structural fill should have an expansion index less than 20 and corrosivity properties that are equally or less detrimental to that of the existing onsite soils (see Figure B29).

7.4.12 Utility trenches should be properly backfilled in accordance with the following requirements. The pipe should be bedded with clean sands (Sand Equivalent greater than 30) to a depth of at least 1 foot over the pipe, and the bedding material must be inspected and approved in writing by the Geotechnical Engineer (a representative of Geocon). The use of gravel is not acceptable unless used in conjunction with filter fabric to prevent the gravel from having direct contact with soil. The remainder of the trench backfill may be derived from onsite soil or approved import soil, compacted as necessary, until the required compaction is obtained. The use of minimum 2-sack slurry as backfill is also acceptable. Prior to placing any bedding materials or pipes, the excavation bottom must be observed and approved in writing by the Geotechnical Engineer (a representative of Geocon).

7.4.13 All trench and foundation excavation bottoms must be observed and approved in writing by the Geotechnical Engineer (a representative of Geocon), prior to placing bedding materials, fill, steel, gravel, or concrete.

7.5 Foundation Design

7.5.1 The proposed structure may be supported on a conventional foundation system deriving support in the competent alluvium found at and below a depth of 12 feet below the existing ground surface. Foundations should be deepened as necessary to penetrate through soft or unsuitable alluvium at the direction of the Geotechnical Engineer. All foundation excavations must be observed and approved by the Geotechnical Engineer (a representative of Geocon), prior to placing steel or concrete.

7.5.2 Continuous footings may be designed for an allowable bearing capacity of 2,500 pounds per square foot (psf), and should be a minimum of 12 inches in width, 18 inches in depth below the lowest adjacent grade, and 12 inches into the recommended bearing material.

7.5.3 Isolated spread foundations may be designed for an allowable bearing capacity of 3,000 psf, and should be a minimum of 24 inches in width, 18 inches in depth below the lowest adjacent grade, and 12 inches into the recommended bearing material.

7.5.4 The allowable soil bearing pressure above may be increased by 250 psf and 500 psf for each additional foot of foundation width and depth, respectively, up to a maximum allowable soil bearing pressure of 5,000 psf.

7.5.5 The allowable bearing pressures may be increased by one-third for transient loads due to wind or seismic forces.

7.5.6 If depth increases are utilized for the perimeter foundations, this office should be provided a copy of the final construction plans so that the excavation recommendations presented herein could be properly reviewed and revised if necessary.

7.5.7 Continuous footings should be reinforced with four No. 4 steel reinforcing bars, two placed near the top of the footing and two near the bottom. Reinforcement for spread footings should be designed by the project structural engineer.

7.5.8 The above foundation dimensions and minimum reinforcement recommendations are based on soil conditions and building code requirements only, and are not intended to be used in lieu of those required for structural purposes.

7.5.9 No special subgrade presaturation is required prior to placement of concrete. However, the slab and foundation subgrade should be sprinkled as necessary; to maintain a moist condition as would be expected in any concrete placement.

7.5.10 Foundation excavations should be observed and approved in writing by the Geotechnical Engineer (a representative of Geocon West, Inc.), prior to the placement of reinforcing steel and concrete to verify that the excavations and exposed soil conditions are consistent with those anticipated. If unanticipated soil conditions are encountered, foundation modifications may be required.

7.5.11 This office should be provided a copy of the final construction plans so that the excavation recommendations presented herein could be properly reviewed and revised if necessary.

7.6 Foundation Settlement

7.6.1 The maximum expected static settlement for a structure supported on a conventional foundation system deriving support in the recommended bearing materials and designed with a maximum bearing pressure of 5,000 psf is estimated to be less than 1¼ inch and occur below the heaviest loaded structural element. Settlement of the foundation system is expected to occur on initial application of loading. Differential settlement is not expected to exceed ⅔ inch over a distance of 20 feet.

7.6.2 Once the design and foundation loading configuration for the proposed structure proceeds to a more finalized plan, the estimated settlements presented in this report should be reviewed and revised, if necessary. If the final foundation loading configurations are greater than the assumed loading conditions, the potential for settlement should be reevaluated by this office.

7.7 Miscellaneous Foundations

7.7.1 Foundations for small outlying structures, such as block walls up to 6 feet in height, planter walls or trash enclosures which will not be tied to the proposed structure may be supported on conventional foundations bearing on a minimum of 12 inches of newly placed engineered fill which extends laterally at least 12 inches beyond the foundation area. Where excavation and compaction cannot be performed, such as adjacent to property lines, foundations may derive support in the undisturbed alluvial soils at and below a depth of 24 inches, and should be deepened as necessary to maintain a minimum 12 inch embedment into the recommended bearing materials.

7.7.2 If the soils exposed in the excavation bottom are soft, compaction of the soft soils will be required prior to placing steel or concrete. Compaction of the foundation excavation bottom is typically accomplished with a compaction wheel or mechanical whacker and must be observed and approved by a Geocon representative. Miscellaneous foundations may be designed for a bearing value of 1,500 psf, and should be a minimum of 12 inches in width, 18 inches in depth below the lowest adjacent grade and 12 inches into the recommended bearing material. The allowable bearing pressure may be increased by up to one-third for transient loads due to wind or seismic forces.

7.7.3 Foundation excavations should be observed and approved in writing by the Geotechnical Engineer (a representative of Geocon West, Inc.), prior to the placement of reinforcing steel and concrete to verify that the excavations and exposed soil conditions are consistent with those anticipated.

7.8 Lateral Design

7.8.1 Resistance to lateral loading may be provided by friction acting at the base of foundations, slabs and by passive earth pressure. An allowable coefficient of friction of 0.4 may be used with the dead load forces in the competent alluvial soils and properly compacted engineered fill.

7.8.2 Passive earth pressure for the sides of foundations and slabs poured against properly compacted engineered fill or competent alluvial soils may be computed as an equivalent fluid having a density of 260 pcf with a maximum earth pressure of 2,600 psf. When combining passive and friction for lateral resistance, the passive component should be reduced by one-third.

7.9 Concrete Slabs-on-Grade

7.9.1 Exterior concrete slabs-on-grade subject to vehicle loading should be designed in accordance with the recommendations in the *Preliminary Pavement Recommendations* section of this report (Section 7.10).

7.9.2 Unless specifically evaluated and designed by a qualified structural engineer, the slab-on-grade and ramp for the subterranean parking garage slab-on-grade should be a minimum of 5 inches of concrete reinforced with No. 3 steel reinforcing bars placed 18 inches on center in both horizontal directions and positioned vertically near the slab midpoint. The concrete slab-on-grade and ramp may derive support directly on the undisturbed alluvial soils at the excavation bottom as well as compacted soils, if necessary. Any disturbed soils should be properly compacted for slab support. Soil placed and compacted for ramp and slab support should be moisture conditioned to near optimum moisture content and properly compacted to at least 95 percent relative compaction, as determined by ASTM Test Method D 1557 (latest edition) for ramp support.

7.9.3 Slabs-on-grade at the ground surface that may receive moisture-sensitive floor coverings or may be used to store moisture-sensitive materials should be underlain by a vapor retarder placed directly beneath the slab. The vapor retarder and acceptable permeance should be specified by the project architect or developer based on the type of floor covering that will be installed. The vapor retarder design should be consistent with the guidelines presented in Section 9.3 of the American Concrete Institute's (ACI) Guide for Concrete Slabs that Receive Moisture-Sensitive Flooring Materials (ACI 302.2R-06) and should be installed in general conformance with ASTM E 1643 (latest edition) and the manufacturer's recommendations. A minimum thickness of 15 mils extruded polyolefin plastic is recommended; vapor retarders which contain recycled content or woven materials are not recommended. The vapor retarder should have a permeance of less than 0.01 perms demonstrated by testing before and after mandatory conditioning. The vapor retarder should be installed in direct contact with the concrete slab with proper perimeter seal. If the California Green Building Code requirements apply to this project, the vapor retarder should be underlain by 4 inches of clean aggregate. It is important that the vapor retarder be puncture resistant since it will be in direct contact with angular gravel. As an alternative to the clean aggregate suggested in the Green Building Code, it is our opinion that the concrete slab-on-grade may be underlain by a vapor retarder over 4 inches of clean sand (sand equivalent greater than 30), since the sand will serve a capillary break and will minimize the potential for punctures and damage to the vapor barrier.

7.9.4 Due to the nature of the proposed design and intent for a subterranean level, waterproofing of subterranean walls and slabs is suggested. Particular care should be taken in the design and installation of waterproofing to avoid moisture problems, or actual water seepage into the structure through any normal shrinkage cracks which may develop in the concrete walls, floor slab, foundations and/or construction joints. The design and inspection of the waterproofing is not the responsibility of the geotechnical engineer. A waterproofing consultant should be retained in order to recommend a product or method, which would provide protection to subterranean walls, floor slabs and foundations.

7.9.5 For seismic design purposes, a coefficient of friction of 0.4 may be utilized between concrete slabs and subgrade soils without a moisture barrier, and 0.15 for slabs underlain by a moisture barrier.

7.9.6 Exterior slabs for walkways or flatwork, not subject to traffic loads, should be at least 4 inches thick and reinforced with No. 3 steel reinforcing bars placed 18 inches on center in both horizontal directions, positioned near the slab midpoint. Prior to construction of slabs, the upper 12 inches of subgrade should be moistened to optimum moisture content and properly compacted to at least 95 percent relative compaction, as determined by ASTM Test Method D 1557 (latest edition). Crack control joints should be spaced at intervals not greater than 10 feet and should be constructed using saw-cuts or other methods as soon as practical following concrete placement. Crack control joints should extend a minimum depth of one-fourth the slab thickness. The project structural engineer should design construction joints as necessary.

7.9.7 The recommendations of this report are intended to reduce the potential for cracking of slabs due to settlement. However, even with the incorporation of the recommendations presented herein, foundations, stucco walls, and slabs-on-grade may exhibit some cracking due to minor soil movement and/or concrete shrinkage. The occurrence of concrete shrinkage cracks is independent of the supporting soil characteristics. Their occurrence may be reduced and/or controlled by limiting the slump of the concrete, proper concrete placement and curing, and by the placement of crack control joints at periodic intervals, in particular, where re-entrant slab corners occur.

7.10 Preliminary Pavement Recommendations

7.10.1 Where new paving is to be placed, it is recommended that all existing fill and soft or unsuitable alluvial materials be excavated and properly recompacted for paving support. The client should be aware that excavation and compaction of all existing artificial fill and soft alluvium in the area of new paving is not required; however, paving constructed over existing unsuitable material may experience increased settlement and/or cracking, and may therefore have a shorter design life and increased maintenance costs. As a minimum, the upper 12 inches of paving subgrade should be scarified, moisture conditioned to near optimum moisture content, and properly compacted to at least 95 percent relative compaction, as determined by ASTM Test Method D 1557 (latest edition).

7.10.2 The following pavement sections are based on an assumed R-Value of 35. Once site grading activities are complete an R-Value should be obtained by laboratory testing to confirm the properties of the soils serving as paving subgrade, prior to placing pavement.

7.10.3 The Traffic Indices listed below are estimates. Geocon does not practice in the field of traffic engineering. The actual Traffic Index for each area should be determined by the project civil engineer. If pavement sections for Traffic Indices other than those listed below are required, Geocon should be contacted to provide additional recommendations. Pavement thicknesses were determined following procedures outlined in the *California Highway Design Manual* (Caltrans). It is anticipated that the majority of traffic will consist of automobile and large truck traffic.

PRELIMINARY PAVEMENT DESIGN SECTIONS

Location	Estimated Traffic Index (TI)	Asphalt Concrete (inches)	Class 2 Aggregate Base (inches)
Automobile Parking And Driveways	4.0	3.0	4.0
Trash Truck & Fire Lanes	7.0	4.0	9.0

7.10.4 Asphalt concrete should conform to Section 203-6 of the "*Standard Specifications for Public Works Construction"* (Green Book). Class 2 aggregate base materials should conform to Section 26-1.02A of the "*Standard Specifications of the State of California, Department of Transportation"* (Caltrans). The use of Crushed Miscellaneous Base in lieu of Class 2 aggregate base is acceptable. Crushed Miscellaneous Base should conform to Section 200-2.4 of the "*Standard Specifications for Public Works Construction"* (Green Book).

7.10.5 Unless specifically designed and evaluated by the project structural engineer, where exterior concrete paving will be utilized for support of vehicles, it is recommended that the concrete be a minimum of 6 inches thick and reinforced with No. 3 steel reinforcing bars placed 18 inches on center in both horizontal directions. Concrete paving supporting vehicular traffic should be underlain by a minimum of 4 inches of aggregate base and a properly compacted subgrade. The subgrade and base material should be compacted to 95 percent relative compaction as determined by ASTM Test Method D 1557 (latest edition).

7.10.6 The performance of pavements is highly dependent upon providing positive surface drainage away from the edge of pavements. Ponding of water on or adjacent to the pavement will likely result in saturation of the subgrade materials and subsequent cracking, subsidence and pavement distress. If planters are planned adjacent to paving, it is recommended that the perimeter curb be extended at least 12 inches below the bottom of the aggregate base to minimize the introduction of water beneath the paving.

7.11 Retaining Wall Design

7.11.1 The recommendations presented below are generally applicable to the design of rigid concrete or masonry retaining walls having a maximum height of 12 feet. In the event that walls significantly higher than 12 feet are planned, Geocon should be contacted for additional recommendations.

7.11.2 Retaining wall foundations may be designed in accordance with the recommendations provided in the *Foundation Design* section of this report (see Section 7.5).

7.11.3 Retaining walls with a level backfill surface that are not restrained at the top should be designed utilizing a triangular distribution of pressure (active pressure) of 35 pcf.

7.11.4 Restrained walls are those that are not allowed to rotate more than 0.001H (where H equals the height of the retaining portion of the wall in feet) at the top of the wall. Where walls are restrained from movement at the top, walls may be designed utilizing a triangular distribution of pressure (at-rest pressure) of 60 pcf.

7.11.5 The wall pressures provided above assume that the proposed retaining walls will support relatively undisturbed alluvial soils. If sloping techniques are to be utilized for construction of proposed walls, which would result in a wedge of engineered fill behind the retaining walls, revised earth pressures may be required. This should be evaluated once the use of sloping measures is established and once the geotechnical characteristics of the engineered backfill soils can be further evaluated.

7.11.6 The wall pressures provided above assume that the retaining wall will be properly drained preventing the buildup of hydrostatic pressure. If retaining wall drainage is not implemented, the equivalent fluid pressure to be used in design of undrained walls is 90 pcf. The value includes hydrostatic pressures plus buoyant lateral earth pressures.

7.11.7 Additional active pressure should be added for a surcharge condition due to sloping ground, vehicular traffic or adjacent structures and should be designed for each condition as the project progresses.

7.11.8 It is recommended that line-load surcharges from adjacent wall footings, use horizontal pressures generated from NAV-FAC DM 7.2. The governing equations are:

$$For\ {}^{x}/_{H} \leq 0.4$$

$$\sigma_H(z) = \frac{0.20 \times \left(\frac{z}{H}\right)}{\left[0.16 + \left(\frac{z}{H}\right)^2\right]^2} \times \frac{Q_L}{H}$$

and

$$For\ {}^{x}/_{H} > 0.4$$

$$\sigma_H(z) = \frac{1.28 \times \left(\frac{x}{H}\right)^2 \times \left(\frac{z}{H}\right)}{\left[\left(\frac{x}{H}\right)^2 + \left(\frac{z}{H}\right)^2\right]^2} \times \frac{Q_L}{H}$$

where x is the distance from the face of the excavation or wall to the vertical line-load, H is the distance from the bottom of the footing to the bottom of excavation or wall, z is the depth at which the horizontal pressure is desired, Q_L is the vertical line-load and $\sigma_H(z)$ is the horizontal pressure at depth z.

7.11.9 It is recommended that vertical point-loads, from construction equipment outriggers or adjacent building columns use horizontal pressures generated from NAV-FAC DM 7.2. The governing equations are:

$$For\ {}^{x}/_{H} \leq 0.4$$

$$\sigma_H(z) = \frac{0.28 \times \left(\frac{z}{H}\right)^2}{\left[0.16 + \left(\frac{z}{H}\right)^2\right]^3} \times \frac{Q_P}{H^2}$$

and

$$For\ {}^{x}/_{H} > 0.4$$

$$\sigma_H(z) = \frac{1.77 \times \left(\frac{x}{H}\right)^2 \times \left(\frac{z}{H}\right)^2}{\left[\left(\frac{x}{H}\right)^2 + \left(\frac{z}{H}\right)^2\right]^3} \times \frac{Q_P}{H^2}$$

then

$$\sigma'_H(z) = \sigma_H(z) cos^2(1.1\theta)$$

where x is the distance from the face of the excavation/wall to the vertical point-load, H is distance from the outrigger/bottom of column footing to the bottom of excavation, z is the depth at which the horizontal pressure is desired, Q_P is the vertical point-load, $\sigma_H(z)$ is the horizontal pressure at depth z, θ is the angle between a line perpendicular to the excavation/wall and a line from the point-load to location on the excavation/wall where the surcharge is being evaluated, and $\sigma_H(z)$ is the horizontal pressure at depth z.

7.11.10 In addition to the recommended earth pressure, the upper 10 feet of the retaining wall adjacent to the street or driveway areas should be designed to resist a uniform lateral pressure of 100 psf, acting as a result of an assumed 300 psf surcharge behind the wall due to normal street traffic. If the traffic is kept back at least 10 feet from the wall, the traffic surcharge may be neglected.

7.11.11 Seismic lateral forces should be incorporated into the design as necessary, and recommendations for seismic lateral forces are presented below.

7.12 Dynamic (Seismic) Lateral Forces

7.12.1 The structural engineer should determine the seismic design category for the project in accordance with Section 1613 of the CBC. If the project possesses a seismic design category of D, E, or F, proposed retaining walls in excess of 6 feet in height should be designed with seismic lateral pressure (Section 1803.5.12 of the 2019 CBC).

7.12.2 A seismic load of 15 pcf should be used for design of walls that support more than 6 feet of backfill in accordance with Section 1803.5.12 of the 2019 CBC. The seismic load is applied as an equivalent fluid pressure along the height of the wall and the calculated loads result in a maximum load exerted at the base of the wall and zero at the top of the wall. This seismic load should be applied in addition to the active earth pressure. The earth pressure is based on half of two-thirds of PGA_M calculated from ASCE 7-16 Section 11.8.3.

7.13 Retaining Wall Drainage

7.13.1 Unless designed for hydrostatic pressures, retaining walls should be provided with a drainage system. At the base of the drain system, a subdrain covered with a minimum of 12 inches of gravel should be installed, and a compacted fill blanket or other seal placed at the surface (see Figure 5). The clean bottom and subdrain pipe, behind a retaining wall, should be observed by the Geotechnical Engineer (a representative of Geocon), prior to placement of gravel or compacting backfill.

7.13.2 As an alternative, a plastic drainage composite such as Miradrain or equivalent may be installed in continuous, 4-foot wide columns along the entire back face of the wall, at 8 feet on center. The top of these drainage composite columns should terminate approximately 18 inches below the ground surface, where either hardscape or a minimum of 18 inches of relatively cohesive material should be placed as a cap (see Figure 6). These vertical columns of drainage material would then be connected at the bottom of the wall to a collection panel or a 1-cubic-foot rock pocket drained by a 4-inch subdrain pipe.

7.13.3 Subdrainage pipes at the base of the retaining wall drainage system should outlet to an acceptable location via controlled drainage structures. Drainage should not be allowed to flow uncontrolled over descending slopes.

7.13.4 Moisture affecting below grade walls is one of the most common post-construction complaints. Poorly applied or omitted waterproofing can lead to efflorescence or standing water. Particular care should be taken in the design and installation of waterproofing to avoid moisture problems, or actual water seepage into the structure through any normal shrinkage cracks which may develop in the concrete walls, floor slab, foundations and/or construction joints. The design and inspection of the waterproofing is not the responsibility of the geotechnical engineer. A waterproofing consultant should be retained in order to recommend a product or method, which would provide protection to subterranean walls, floor slabs and foundations.

7.14 Elevator Pit Design

7.14.1 The elevator pit slab and retaining wall should be designed by the project structural engineer. Elevator pit walls may be designed in accordance with the recommendations in the *Foundation Design* and *Retaining Wall Design* sections of this report (see Sections 7.5 and 7.11).

7.14.2 Additional active pressure should be added for a surcharge condition due to sloping ground, vehicular traffic or adjacent foundations and should be designed for each condition as the project progresses.

7.14.3 If retaining wall drainage is to be provided, the drainage system should be designed in accordance with the *Retaining Wall Drainage* section of this report (see Section 7.13)

7.14.4 It is suggested that the exterior walls and slab be waterproofed to prevent excessive moisture inside of the elevator pit. Waterproofing design and installation is not the responsibility of the geotechnical engineer.

7.15 Elevator Piston

7.15.1 If a plunger-type elevator piston is installed for this project, a deep drilled excavation will be required. It is important to verify that the drilled excavation is not situated immediately adjacent to a foundation or shoring pile, or the drilled excavation could compromise the existing foundation support or pile support, especially if the drilling is performed subsequent to the foundation or pile construction. Cobble and boulders may be encountered during excavation. Additionally, some of the site soils have little to no cohesion and are prone to excessive caving. The contractor should be prepared for difficult drilling conditions.

7.15.2 Casing will be required since caving is expected in the drilled excavation, and the contractor should be prepared to use casing and should have it readily available at the commencement of drilling activities. Continuous observation of the drilling and installation of the elevator piston by the Geotechnical Engineer (a representative of Geocon West, Inc.) is required.

7.15.3 The annular space between the piston casing and drilled excavation wall should be filled with a minimum of 1½-sack slurry pumped from the bottom up. As an alternative, pea gravel may be utilized. The use of soil to backfill the annular space is not acceptable.

7.16 Temporary Excavations

7.16.1 Excavations on the order of 14 feet in height may be required for excavation and construction of the proposed subterranean level, including foundation depths. The excavations are expected to expose artificial fill and granular alluvial soils, which are be subject to caving. Vertical excavations up to 5 feet in height may be attempted where not surcharged; however, the contractor should be prepared for caving, sloughing, and raveling in open excavations. Due to the granular nature of soils and potential for caving, the contractor should also be prepared to form foundation excavations at the excavation bottom.

7.16.2 Vertical excavations greater than 5 feet or where surcharged by existing structures will require sloping or shoring measures in order to provide a stable excavation. Where sufficient space is available, temporary unsurcharged embankments could be sloped back at a uniform 1:1 slope gradient or flatter up to maximum height of 8 feet. A uniform slope does not have a vertical portion. Where space is limited, shoring measures will be required. *Shoring* data is provided in Section 7.17 of this report.

7.16.3 Where temporary construction slopes are utilized, the top of the slope should be barricaded to prevent vehicles and storage loads at the top of the slope within a horizontal distance equal to the height of the slope. If the temporary construction slopes are to be maintained during the rainy season, berms are suggested along the tops of the slopes where necessary to prevent runoff water from entering the excavation and eroding the slope faces. Geocon personnel should inspect the soils exposed in the cut slopes during excavation so that modifications of the slopes can be made if variations in the soil conditions occur. All excavations should be stabilized within 30 days of initial excavation.

7.17 Shoring – Soldier Pile Design and Installation

7.17.1 The following information on the design and installation of shoring is preliminary. Review of the final shoring plans and specifications should be made by this office prior to bidding or negotiating with a shoring contractor.

7.17.2 One method of shoring would consist of steel soldier piles, placed in drilled holes and backfilled with concrete. The steel soldier piles may also be installed utilizing high frequency vibration. Where maximum excavation heights are less than 12 feet the soldier piles are typically designed as cantilevers. Where excavations exceed 12 feet or are surcharged, soldier piles may require lateral bracing utilizing drilled tie-back anchors or raker braces to maintain an economical steel beam size and prevent excessive deflection. The size of the steel beam, the need for lateral bracing, and the acceptable shoring deflection should be determined by the project shoring engineer. Due to the presence of cobbles and boulders the installation of steel soldier piles utilizing high frequency vibration is expected to be difficult. It is recommended that the contractor bidding on shoring installation for this project perform their own test borings and vibratory soldier pile installation with the intended equipment to verify the presence and size of buried rock (cobbles and boulders) as well as the suitability of the proposed equipment for the safe and efficient installation of the soldier piles.

7.17.3 The design embedment of the shoring pile toes must be maintained during excavation activities. The toes of the perimeter shoring piles should be deepened to take into account any required excavations necessary for foundation excavations and/or adjacent drainage systems.

7.17.4 The proposed soldier piles may also be designed as permanent piles. The required pile depths, dimensions, and spacing should be determined and designed by the project structural and shoring engineers. All piles utilized for shoring can also be incorporated into a permanent retaining wall system (shotcrete wall) and should be designed in accordance with the earth pressure provided in the *Retaining Wall Design* section of this report (see Section 7.11).

7.17.5 Drilled cast-in-place soldier piles should be placed no closer than 3 diameters on center. The minimum diameter of the piles is 18 inches. Structural concrete should be used for the soldier piles below the excavation; lean-mix concrete may be employed above that level. As an alternative, lean-mix concrete may be used throughout the pile where the reinforcing consists of a wideflange section. The slurry must be of sufficient strength to impart the lateral bearing pressure developed by the wideflange section to the soil. For design purposes, an allowable passive value for the soils below the bottom plane of excavation may be assumed to be 260 psf per foot. Where piles are installed by vibration techniques, the passive pressure may be assumed to mobilize across a width equal to the two times the dimension of the beam flange. The allowable passive value may be doubled for isolated piles spaced a minimum of three times the pile diameter. To develop the full lateral value, provisions should be implemented to assure firm contact between the soldier piles and the undisturbed alluvium.

7.17.6 Groundwater was not encountered during site exploration. However, groundwater levels can fluctuate and may be different at the time of construction. It is not uncommon for groundwater or seepage conditions to develop where none previously existed. Therefore, the contractor should be prepared for groundwater during pile installation should the need arise. If more than 6 inches of water is present in the bottom of the excavation, a tremie is required to place the concrete into the bottom of the hole. A tremie should consist of a rigid, water-tight tube having a diameter of not less than 6 inches with a hopper at the top. The tube should be equipped with a device that will close the discharge end and prevent water from entering the tube while it is being charged with concrete. The tremie should be supported so as to permit free movement of the discharge end over the entire top surface of the work and to permit rapid lowering when necessary to retard or stop the flow of concrete. The discharge end should be closed at the start of the work to prevent water entering the tube and should be entirely sealed at all times, except when the concrete is being placed. The tremie tube should be kept full of concrete. The flow should be continuous until the work is completed, and the resulting concrete seal should be monolithic and homogeneous. The tip of the tremie tube should always be kept about 5 feet below the surface of the concrete and definite steps and safeguards should be taken to ensure that the tip of the tremie tube is never raised above the surface of the concrete.

7.17.7 A special concrete mix should be used for concrete to be placed below water. The design should provide for concrete with an unconfined compressive strength pounds per square inch (psi) of 1,000 psi over the initial job specification. An admixture that reduces the problem of segregation of paste/aggregates and dilution of paste should be included. The slump should be commensurate to any research report for the admixture, provided that it should also be the minimum for a reasonable consistency for placing when water is present.

7.17.8 Please be aware that the use of hollow-stem auger drilling equipment utilized for this investigation does not allow for the identification of the size of rocks being encountered or the visual observation of caving conditions since the drilling method is a small diameter cased excavation. It is recommended that the contractor bidding on excavation and shoring installation for this project perform their own test borings with the intended drilling equipment to verify the presence and size of buried rock (cobbles and boulders), potential for caving, as well as the suitability of the proposed drilling equipment for the safe and efficient installation of the shoring system.

7.17.9 Cobbles are anticipated to be encountered and excessive caving is expected to occur, and the contractor should have casing available prior to commencement of drilling activities. When casing is used, extreme care should be employed so that the pile is not pulled apart as the casing is withdrawn. At no time should the distance between the surface of the concrete and the bottom of the casing be less than 5 feet. As an alternative, piles may be vibrated into place; however, there is always a risk that excessive vibrations in sandy soils could induce settlements and distress to adjacent offsite improvements. Continuous observation of the drilling and pouring of the piles by the Geotechnical Engineer (a representative of Geocon West, Inc.), is required.

7.17.10 If a vibratory method of solider pile installation is utilized, predrilling may be performed prior to installation of the steel beams. If predrilling is performed, it is recommended that the bore diameter be at least 2 inches smaller than the largest dimension of the pile to prevent excessive loss in the frictional component of the pile capacity. Predrilling should not be conducted below the proposed excavation bottom.

7.17.11 If a vibratory method is utilized, the owner should be aware of the potential risks associated with vibratory efforts, which typically involve inducing settlement within the vicinity of the pile which could result in a potential for damage to existing improvements in the area.

7.17.12 The level of vibration that results from the installation of the piles should not exceed a threshold where occupants of nearby structures are disturbed, despite higher vibration tolerances that a building may endure without deformation or damage. The main parameter used for vibration assessment is peak particle velocity in units of inch per second (in/sec). The acceptable range of peak particle velocity should be evaluated based on the age and condition of adjacent structures, as well as the tolerance of human response to vibration.

7.17.13 Based on Table 19 of the *Transportation and Construction Induced Vibration Guidance Manual* (Caltrans 2020), a continuous source of vibrations (ex. vibratory pile driving) which generates a maximum peak particle velocity of 0.5 in/sec is considered tolerable for modern industrial/commercial buildings and new residential structures. The Client should be aware that a lower value may be necessary if older or fragile structures are in the immediate vicinity of the site.

7.17.14 Vibrations should be monitored and record with seismographs during pile installation to detect the magnitude of vibration and oscillation experienced by adjacent structures. If the vibrations exceed the acceptable range during installation, the shoring contractor should modify the installation procedure to reduce the values to within the acceptable range. Vibration monitoring is not the responsibility of the Geotechnical Engineer.

7.17.15 Geocon does not practice in the field of vibration monitoring. If construction techniques will be implemented, it is recommended that qualified consultant be retained to provide site specific recommendations for vibration thresholds and monitoring.

7.17.16 The frictional resistance between the soldier piles and retained soil may be used to resist the vertical component of the load. The coefficient of friction may be taken as 0.4 based on uniform contact between the steel beam and lean-mix concrete and retained earth. The portion of soldier piles below the plane of excavation may also be employed to resist the downward loads. The downward capacity may be determined using a frictional resistance of 500 psf per foot.

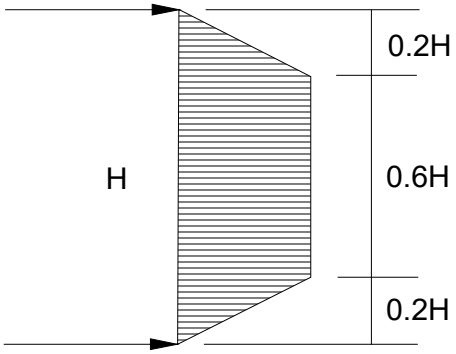
7.17.17 Due to the nature of the site soils, it is expected that continuous lagging between soldier piles will be required. However, it is recommended that the exposed soils be observed by the Geotechnical Engineer (a representative of Geocon West, Inc.), to verify the presence of any competent, cohesive soils and the areas where lagging may be omitted.

7.17.18 The time between lagging excavation and lagging placement should be as short as possible soldier piles should be designed for the full-anticipated pressures. Due to arching in the soils, the pressure on the lagging will be less. It is recommended that the lagging be designed for the full design pressure but be limited to a maximum of 400 psf.

7.17.19 For the design of unbraced shoring, it is recommended that an equivalent fluid pressure be utilized for design. A trapezoidal distribution of lateral earth pressure may be used where shoring will be restrained by bracing or tie backs. The recommended active and trapezoidal pressure are provided in the following table. A diagram depicting the trapezoidal pressure distribution of lateral earth pressure is provided below the table.

HEIGHT OF SHORING (FEET)	**EQUIVALENT FLUID PRESSURE (Pounds Per Cubic Foot) (ACTIVE PRESSURE)**	**EQUIVALENT FLUID PRESSURE Trapezoidal (Where H is the height of the shoring in feet)**
Up to 14	28	18H

Trapezoidal Distribution of Pressure



7.17.20 It is very important to note that active pressures can only be achieved when movement in the soil (earth wall) occurs. If movement in the soil is not acceptable, such as adjacent to an existing structure, or the pile is restrained from movement by bracing or a tie back anchor, an at-rest pressure of 50 pcf should be considered for design purposes.

7.17.21 Where a combination of sloped embankment and shoring is utilized, the pressure will be greater and must be determined for each combination. Additional active pressure should be added for a surcharge condition due to sloping ground, vehicular traffic, or adjacent structures and must be determined for each combination.

7.17.22 It is recommended that line-load surcharges from adjacent wall footings, use horizontal pressures generated from NAV-FAC DM 7.2. The governing equations are:

$$For\ {}^{x}/_{H} \leq 0.4$$

$$\sigma_H(z) = \frac{0.20 \times \left(\frac{z}{H}\right)}{\left[0.16 + \left(\frac{z}{H}\right)^2\right]^2} \times \frac{Q_L}{H}$$

and

$$For\ {}^{x}/_{H} > 0.4$$

$$\sigma_H(z) = \frac{1.28 \times \left(\frac{x}{H}\right)^2 \times \left(\frac{z}{H}\right)}{\left[\left(\frac{x}{H}\right)^2 + \left(\frac{z}{H}\right)^2\right]^2} \times \frac{Q_L}{H}$$

where x is the distance from the face of the excavation or wall to the vertical line-load, H is the distance from the bottom of the footing to the bottom of excavation or wall, z is the depth at which the horizontal pressure is desired, Q_L is the vertical line-load and $\sigma_H(z)$ is the horizontal pressure at depth z.

7.17.23 It is recommended that vertical point-loads, from construction equipment outriggers or adjacent building columns use horizontal pressures generated from NAV-FAC DM 7.2. The governing equations are:

$$For\ {}^{x}/_{H} \leq 0.4$$

$$\sigma_H(z) = \frac{0.28 \times \left(\frac{z}{H}\right)^2}{\left[0.16 + \left(\frac{z}{H}\right)^2\right]^3} \times \frac{Q_P}{H^2}$$

and

$$For\ {}^{x}/_{H} > 0.4$$

$$\sigma_H(z) = \frac{1.77 \times \left(\frac{x}{H}\right)^2 \times \left(\frac{z}{H}\right)^2}{\left[\left(\frac{x}{H}\right)^2 + \left(\frac{z}{H}\right)^2\right]^3} \times \frac{Q_P}{H^2}$$

then

$$\sigma'_H(z) = \sigma_H(z) cos^2(1.1\theta)$$

where x is the distance from the face of the excavation/wall to the vertical point-load, H is distance from the outrigger/bottom of column footing to the bottom of excavation, z is the depth at which the horizontal pressure is desired, Q_P is the vertical point-load, $\sigma_H(z)$ is the horizontal pressure at depth z, θ is the angle between a line perpendicular to the excavation/wall and a line from the point-load to location on the excavation/wall where the surcharge is being evaluated, and $\sigma_H(z)$ is the horizontal pressure at depth z.

7.17.24 In addition to the recommended earth pressure, the upper 10 feet of the shoring adjacent to the street or driveway areas should be designed to resist a uniform lateral pressure of 100 psf, acting as a result of an assumed 300 psf surcharge behind the shoring due to normal street traffic. If the traffic is kept back at least 10 feet from the shoring, the traffic surcharge may be neglected.

7.17.25 It is difficult to accurately predict the amount of deflection of a shored embankment. It should be realized that some deflection will occur. It is recommended that the deflection be minimized to prevent damage to existing structures and adjacent improvements. Where public rights-of-way are present or adjacent offsite structures do not surcharge the shoring excavation, the shoring deflection should be limited to less than 1 inch at the top of the shored embankment. Where offsite structures are within the shoring surcharge area it is recommended that the beam deflection be limited to less than ½ inch at the elevation of the adjacent offsite foundation, and no deflection at all if deflections will damage existing structures. The allowable deflection is dependent on many factors, such as the presence of structures and utilities near the top of the embankment, and will be assessed and designed by the project shoring engineer.

7.17.26 Because of the depth of the excavation, some means of monitoring the performance of the shoring system is suggested. The monitoring should consist of periodic surveying of the lateral and vertical locations of the tops of all soldier piles and the lateral movement along the entire lengths of selected soldier piles.

7.17.27 Due to the depth of the excavation and proximity to adjacent structures, it is suggested that prior to excavation the existing improvements be inspected, and their present condition be documented. For documentation purposes, photographs should be taken of preconstruction distress conditions and level surveys of adjacent grade and pavement should be considered. During excavation activities, the adjacent structures and pavement should be periodically inspected for signs of distress. In the event that distress or settlement is observed, an investigation should be performed, and corrective measures taken so that continued or worsened distress or settlement is mitigated. Documentation and monitoring of the offsite structures and improvements is not the responsibility of the geotechnical engineer.

7.18 Temporary Tie-Back Anchors

7.18.1 Temporary tie-back anchors may be used with the solider pile wall system to resist lateral loads. Post-grouted friction anchors are recommended. For design purposes, it may be assumed that the active wedge adjacent to the shoring is defined by a plane drawn 35 degrees with the vertical through the bottom plane of the excavation. Friction anchors should extend a minimum of 20 feet beyond the potentially active wedge and to greater lengths if necessary to develop the desired capacities. The locations and depths of all offsite utilities should be thoroughly checked and incorporated into the drilling angle design for the tie-back anchors.

7.18.2 The capacities of the anchors should be determined by testing of the initial anchors as outlined in a following section. Only the frictional resistance developed beyond the active wedge would be effective in resisting lateral loads. Anchors should be placed at least 6 feet on center to be considered isolated. For preliminary design purposes, it is estimated that drilled friction anchors constructed without utilizing post-grouting techniques will develop average skin frictions as follows:

- 7 feet below the top of the excavation – 950 pounds per square foot

7.18.3 Depending on the techniques utilized, and the experience of the contractor performing the installation, a maximum allowable friction capacity of 3.0 kips per linear foot for post-grouted anchors (for a minimum 20-foot length beyond the active wedge) may be assumed for design purposes. Only the frictional resistance developed beyond the active wedge should be utilized in resisting lateral loads. Higher capacities may be possible but must be verified by testing.

7.19 Anchor Installation

7.19.1 Tie-back anchors are typically installed between 20 and 40 degrees below the horizontal; however, occasionally alternative angles are necessary to avoid existing improvements and utilities. The locations and depths of all offsite utilities should be thoroughly checked prior to design and installation of the tie-back anchors. Caving of the anchor shafts, particularly within sand and gravel deposits or seepage zones, should be anticipated during installation and provisions should be implemented in order to minimize such caving. It is suggested that hollow-stem auger drilling equipment be used to install the anchors. The anchor shafts should be filled with concrete by pumping from the tip out, and the concrete should extend from the tip of the anchor to the active wedge. In order to minimize the chances of caving, it is recommended that the portion of the anchor shaft within the active wedge be backfilled with sand before testing the anchor. This portion of the shaft should be filled tightly and flush with the face of the excavation. The sand backfill should be placed by pumping; the sand may contain a small amount of cement to facilitate pumping.

7.20 Anchor Testing

7.20.1 All of the anchors should be tested to at least 150 percent of design load. The total deflection during this test should not exceed 12 inches. The rate of creep under the 150 percent test load should not exceed 0.1 inch over a 15-minute period in order for the anchor to be approved for the design loading.

7.20.2 At least 10 percent of the anchors should be selected for "quick" 200 percent tests and three additional anchors should be selected for 24-hour 200 percent tests. The purpose of the 200 percent tests is to verify the friction value assumed in design. The anchors should be tested to develop twice the assumed friction value. These tests should be performed prior to installation of additional tiebacks. Where satisfactory tests are not achieved on the initial anchors, the anchor diameter and/or length should be increased until satisfactory test results are obtained.

7.20.3 The total deflection during the 24-hour 200 percent test should not exceed 12 inches. During the 24-hour tests, the anchor deflection should not exceed 0.75 inches measured after the 200 percent test load is applied.

7.20.4 For the "quick" 200 percent tests, the 200 percent test load should be maintained for 30 minutes. The total deflection of the anchor during the 200 percent quick tests should not exceed 12 inches; the deflection after the 200 percent load has been applied should not exceed 0.25 inch during the 30-minute period.

7.20.5 After a satisfactory test, each anchor should be locked-off at the design load. This should be verified by rechecking the load in the anchor. The load should be within 10 percent of the design load. A representative of this firm should observe the installation and testing of the anchors.

7.21 Internal Bracing

7.21.1 Rakers may be utilized to brace the soldier piles in lieu of tieback anchors. The raker bracing could be supported laterally by temporary concrete footings (deadmen) or by the permanent, interior footings. For design of such temporary footings or deadmen, poured with the bearing surface normal to rakers inclined at 45 degrees, a bearing value of 1,500 psf may be used, provided the shallowest point of the footing is at least one foot below the lowest adjacent grade. The structural engineer should review the shoring plans to determine if raker footings conflict with the structural foundation system. The client should be aware that the utilization of rakers could significantly impact the construction schedule due to their intrusion into the construction site and potential interference with equipment.

7.22 Stormwater Infiltration

7.22.1 During the May 20, 2022 site exploration, boring B4 was utilized to perform percolation testing. The boring was advanced and then backfilled to the depth listed in the table below. Slotted casing was placed in the boring, and the annular space between the casing and excavation was filled with gravel. The boring was then filled with water to pre-saturate the soils. The casing was refilled with water and percolation test readings were performed after repeated flooding of the cased excavation. Based on the test results, the measured infiltration rate and design infiltration rate, for the earth materials encountered, are provided in the following table. These values have been calculated in accordance with the Small Diameter Boring Infiltration Test Procedure in the County of Los Angeles Department of Public Works GMED *Guidelines for Geotechnical Investigation and Reporting, Low Impact Development Stormwater Infiltration* (June 2021). Percolation test field data and calculation of the measured infiltration rate and design infiltration rate are provided on Figure 7.

Boring	Soil Type	Infiltration Depth (ft)	Measured Infiltration Rate (in / hour)	Design Infiltration Rate (in / hour)
B4	SM / SP	30 – 35	11.20	3.73

7.22.2 Based on the test method utilized (Small Diameter Boring), the reduction factor RF_t may be taken as 1.0 in the infiltration system design. Based on the number of tests performed and consistency of the soils throughout the site, it is suggested that the reduction factor RF_v be taken as 1.0. In addition, provided proper maintenance is performed to minimize long-term siltation and plugging, the reduction factor RF_s may be taken as 1.0. Additional reduction factors may be required and should be applied by the engineer in responsible charge of the design of the stormwater infiltration system and based on applicable guidelines.

7.22.3 The results of the percolation testing indicate that the soils at depths in the above table are conducive to infiltration. It is our opinion that the soil zone encountered at the depth and location as listed in the table above are suitable for infiltration of stormwater.

7.22.4 It is our further opinion that infiltration of stormwater and will not induce excessive hydro-consolidation (see Figures B10 through B28), will not create a perched groundwater condition, will not affect soil structure interaction of existing or proposed foundations due to expansive soils, will not saturate soils supported by existing or proposed retaining walls, and will not increase the potential for liquefaction. Resulting settlements are anticipated to be less than ¼ inch, if any.

7.22.5 The infiltration system must be located such that the closest distance between an adjacent foundation is at least 15 feet in all directions from the zone of saturation. The zone of saturation may be assumed to project downward from the discharge of the infiltration facility at a gradient of 1:1. Additional property line or foundation setbacks may be required by the governing jurisdiction and should be incorporated into the stormwater infiltration system design as necessary.

7.22.6 Where the 15-foot horizontal setback cannot be maintained between the infiltration system and an adjacent footing, and the infiltration system penetrates below the foundation influence line, the proposed stormwater infiltration system must be designed to resist the surcharge from the adjacent foundation. The foundation surcharge line may be assumed to project down away from the bottom of the foundation at a 1:1 gradient. The stormwater infiltration system must still be sufficiently deep to maintain the 15-foot vertical offset between the bottom of the footing and the zone of saturation.

7.22.7 Subsequent to the placement of the infiltration system, it is acceptable to backfill the resulting void space between the excavation sidewalls and the infiltration system with minimum two-sack slurry provided the slurry is not placed in the infiltration zone. It is recommended that pea gravel be utilized adjacent to the infiltration zone so communication of water to the soil is not hindered.

7.22.8 Due to the preliminary nature of the project at this time, the type of stormwater infiltration system and location of the stormwater infiltration systems has not yet been determined. The design drawings should be reviewed and approved by the Geotechnical Engineer. The installation of the stormwater infiltration system should be observed and approved by the Geotechnical Engineer (a representative of Geocon).

7.23 Surface Drainage

7.23.1 Proper surface drainage is critical to the future performance of the project. Uncontrolled infiltration of irrigation excess and storm runoff into the soils can adversely affect the performance of the planned improvements. Saturation of a soil can cause it to lose internal shear strength and increase its compressibility, resulting in a change in the original designed engineering properties. Proper drainage should be maintained at all times.

7.23.2 All site drainage should be collected and controlled in non-erosive drainage devices. Drainage should not be allowed to pond anywhere on the site, and especially not against any foundation or retaining wall. The site should be graded and maintained such that surface drainage is directed away from structures in accordance with 2019 CBC 1804.4 or other applicable standards. In addition, drainage should not be allowed to flow uncontrolled over any descending slope. Discharge from downspouts, roof drains and scuppers are not recommended onto unprotected soils within 5 feet of the building perimeter. Planters which are located adjacent to foundations should be sealed to prevent moisture intrusion into the soils providing foundation support. Landscape irrigation is not recommended within 5 feet of the building perimeter footings except when enclosed in protected planters.

7.23.3 Positive site drainage should be provided away from structures, pavement, and the tops of slopes to swales or other controlled drainage structures. The building pad and pavement areas should be fine graded such that water is not allowed to pond.

7.23.4 Landscaping planters immediately adjacent to paved areas are not recommended due to the potential for surface or irrigation water to infiltrate the pavement's subgrade and base course. Either a subdrain, which collects excess irrigation water and transmits it to drainage structures, or an impervious above-grade planter boxes should be used. In addition, where landscaping is planned adjacent to the pavement, it is recommended that consideration be given to providing a cutoff wall along the edge of the pavement that extends at least 12 inches below the base material.

7.24 Plan Review

7.24.1 Grading, foundation, and shoring plans should be reviewed by the Geotechnical Engineer (a representative of Geocon West, Inc.), prior to finalization to verify that the plans have been prepared in substantial conformance with the recommendations of this report and to provide additional analyses or recommendations.

LIMITATIONS AND UNIFORMITY OF CONDITIONS

1. The recommendations of this report pertain only to the site investigated and are based upon the assumption that the soil conditions do not deviate from those disclosed in the investigation. If any variations or undesirable conditions are encountered during construction, or if the proposed construction will differ from that anticipated herein, Geocon West, Inc. should be notified so that supplemental recommendations can be given. The evaluation or identification of the potential presence of hazardous or corrosive materials was not part of the scope of services provided by Geocon West, Inc.

2. This report is issued with the understanding that it is the responsibility of the owner, or of his representative, to ensure that the information and recommendations contained herein are brought to the attention of the architect and engineer for the project and incorporated into the plans, and the necessary steps are taken to see that the contractor and subcontractors carry out such recommendations in the field.

3. The findings of this report are valid as of the date of this report. However, changes in the conditions of a property can occur with the passage of time, whether they are due to natural processes or the works of man on this or adjacent properties. In addition, changes in applicable or appropriate standards may occur, whether they result from legislation or the broadening of knowledge. Accordingly, the findings of this report may be invalidated wholly or partially by changes outside our control. Therefore, this report is subject to review and should not be relied upon after a period of three years.

4. The firm that performed the geotechnical investigation for the project should be retained to provide testing and observation services during construction to provide continuity of geotechnical interpretation and to check that the recommendations presented for geotechnical aspects of site development are incorporated during site grading, construction of improvements, and excavation of foundations. If another geotechnical firm is selected to perform the testing and observation services during construction operations, that firm should prepare a letter indicating their intent to assume the responsibilities of project geotechnical engineer of record. A copy of the letter should be provided to the regulatory agency for their records. In addition, that firm should provide revised recommendations concerning the geotechnical aspects of the proposed development, or a written acknowledgement of their concurrence with the recommendations presented in our report. They should also perform additional analyses deemed necessary to assume the role of Geotechnical Engineer of Record.

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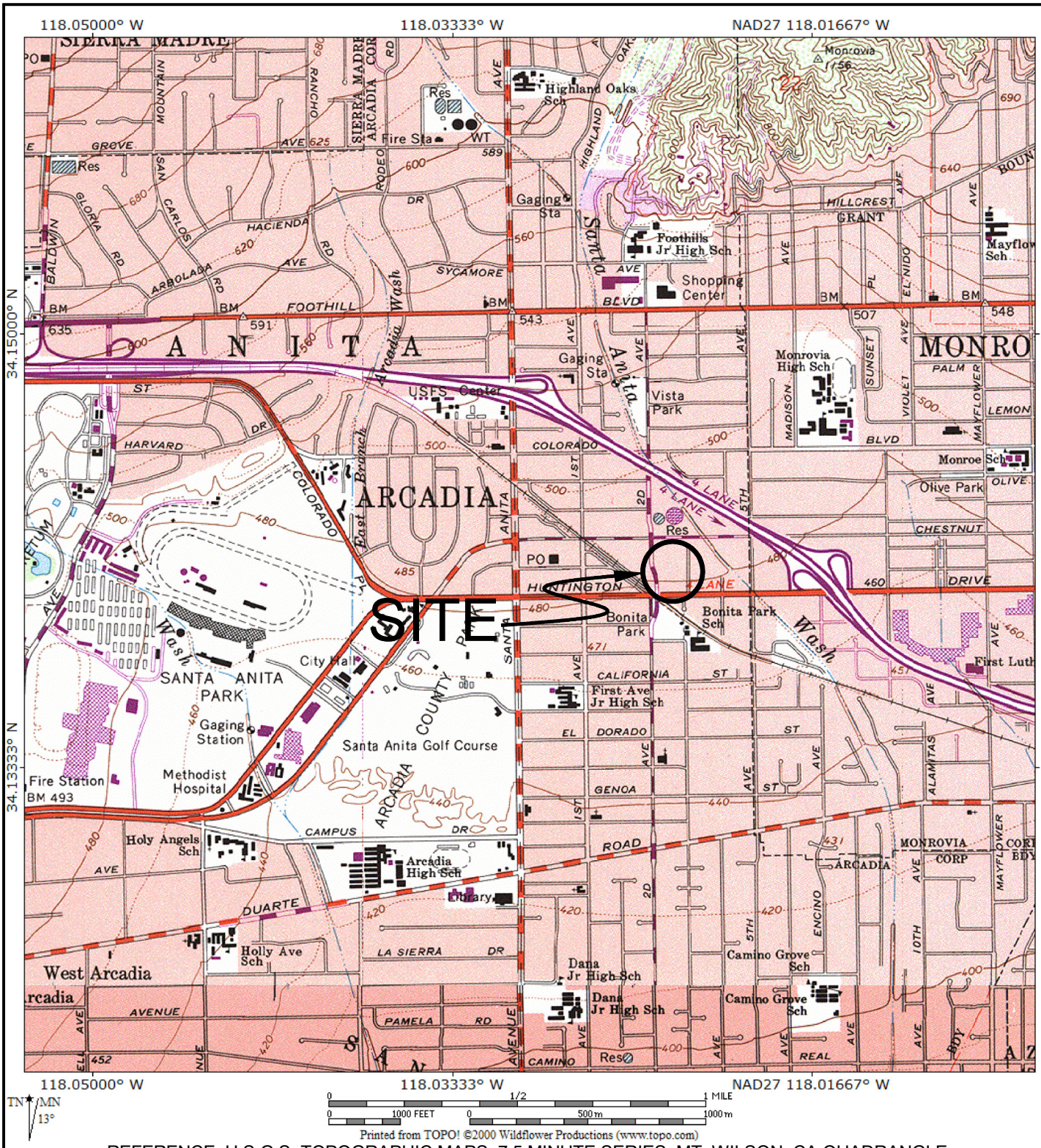
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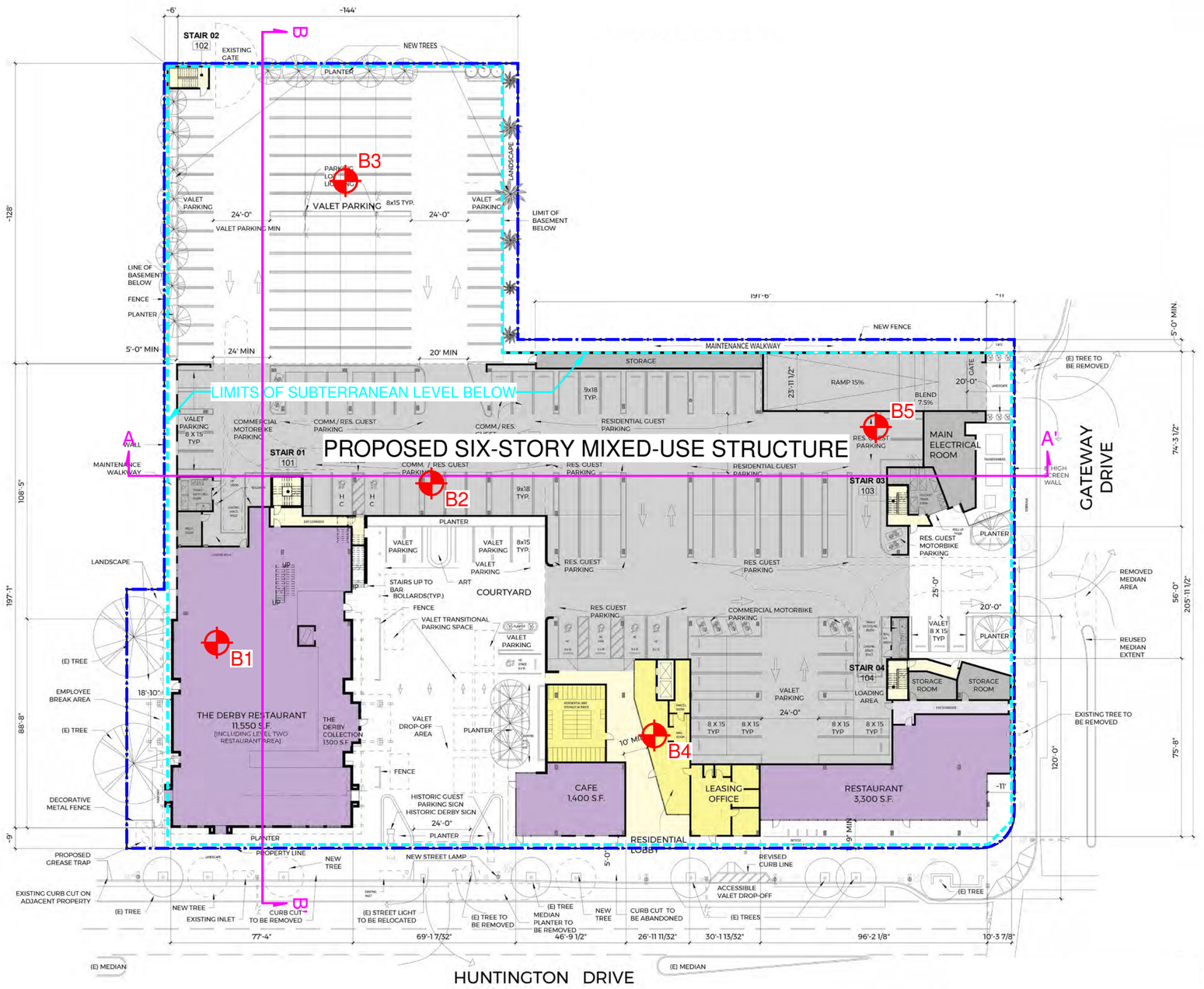
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VICINITY MAP

233-301 EAST HUNTINGTON DRIVE
ARCADIA, CALIFORNIA

DRAFTED BY: RA	CHECKED BY: SFK

JUNE 2022	PROJECT NO. W1567-06-01	FIG. 1



LEGEND

B5 Approximate Location of Boring

Approximate Location of Property Line

0 50' 100'

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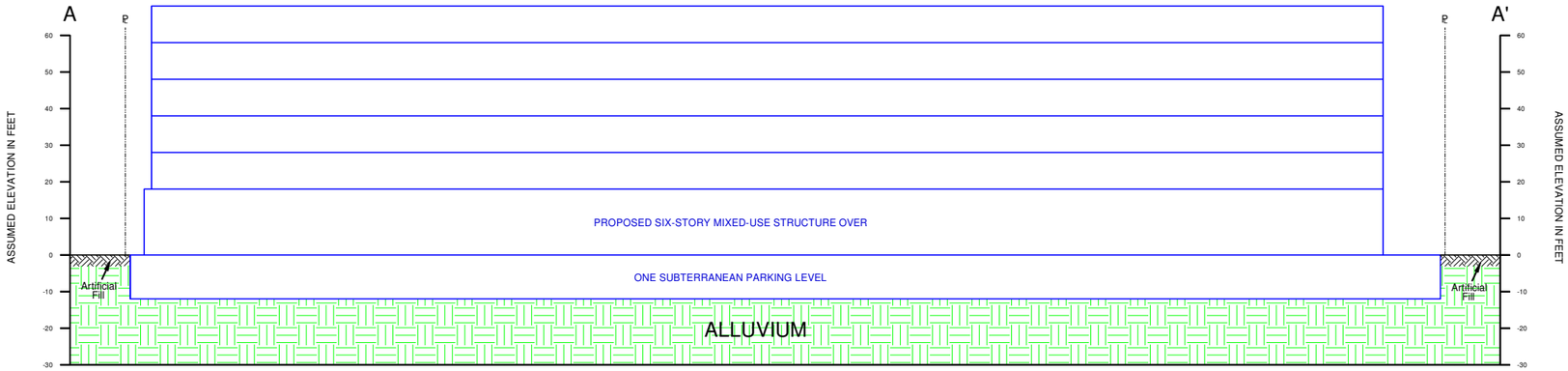
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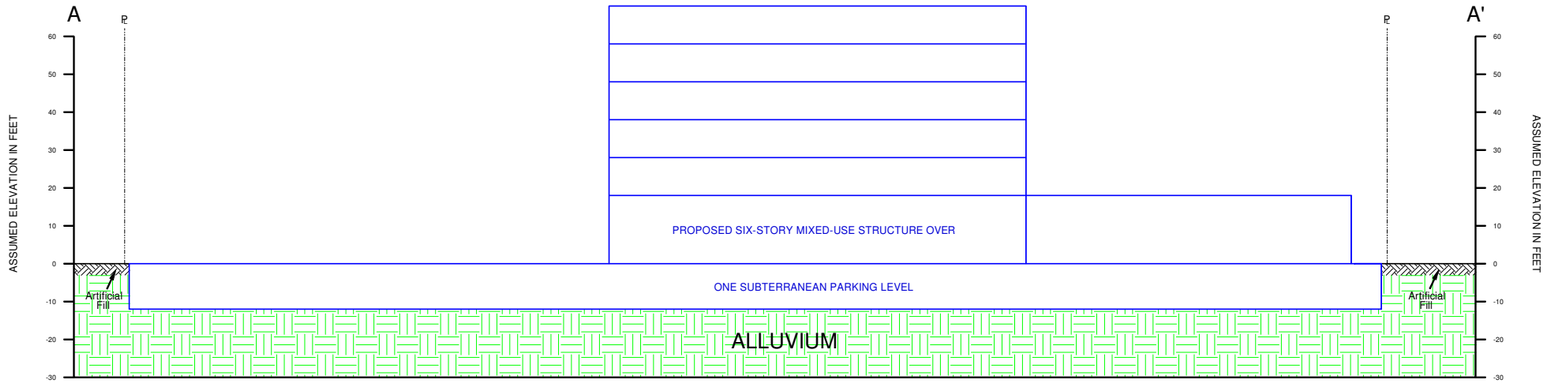
SITE PLAN

233-301 EAST HUNTINGTON DRIVE
ARCADIA, CALIFORNIA

JUNE 2022	PROJECT NO. W1567-06-01	FIG. 2A



SECTION A - A'



SECTION B - B'

0 40' 80'

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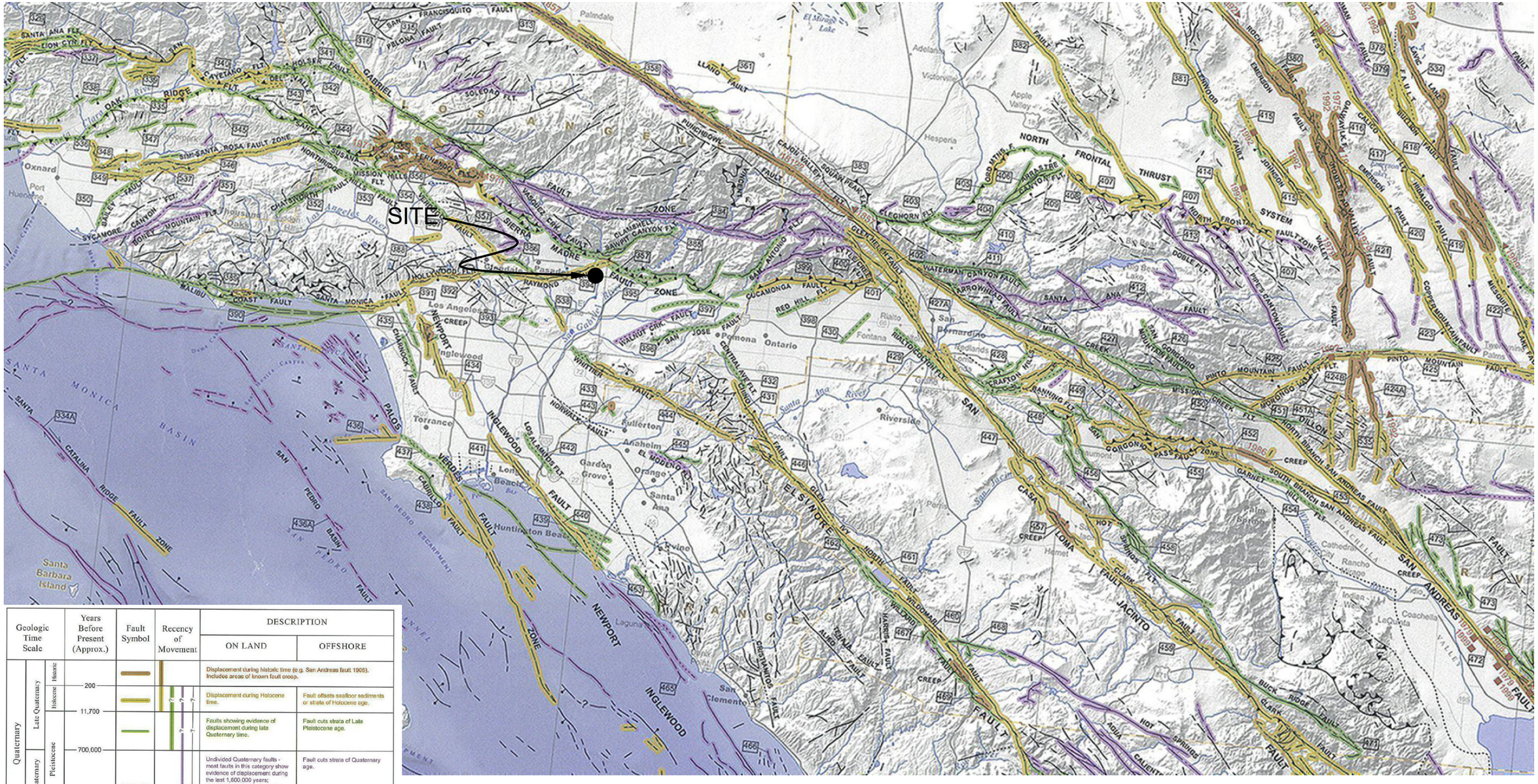
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CROSS SECTIONS

233-301 EAST HUNTINGTON DRIVE
ARCADIA, CALIFORNIA

JUNE 2022	PROJECT NO. W1567-06-01	FIG. 2B

Reference: Jennings, C.W. and Bryant, W. A., 2010, Fault Activity Map of California, California Geological Survey Geologic Data Map No. 6.



Geologic Time Scale			Years Before Present (Approx.)	Fault Symbol	Recency of Movement	DESCRIPTION	
						ON LAND	OFFSHORE
Quaternary	Late Quaternary	Historic	200			Displacement during historic time (e.g. San Andreas fault 1906). Includes areas of known fault creep.	
		Holocene	11,700		? ? ?	Displacement during Holocene time.	Fault offsets seafloor sediments or strata of Holocene age.
					? ? ?	Faults showing evidence of displacement during late Quaternary time.	Fault cuts strata of Late Pleistocene age.
	Early Quaternary	Pleistocene	700,000		?	Undivided Quaternary faults - most faults in this category show evidence of displacement during the last 1,600,000 years; possible exceptions are faults which displace rocks of undifferentiated Plio-Pleistocene age.	Fault cuts strata of Quaternary age.
Pre-Quaternary			1,600,000*			Faults without recognized Quaternary displacement or showing evidence of no displacement during Quaternary time. Not necessarily inactive.	Fault cuts strata of Pliocene or older age.
			4.5 billion (Age of Earth)				

* Quaternary now recognized as extending to 2.6 Ma (Walker and Geissman, 2009). Quaternary faults in this map were established using the previous 1.6 Ma criterion.

0 12 24 Miles

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ENVIRONMENTAL GEOTECHNICAL MATERIALS
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PHONE (818) 841-8388 - FAX (818) 841-1704

DRAFTED BY: RA | CHECKED BY: SFK

REGIONAL FAULT MAP

233-301 EAST HUNTINGTON DRIVE
ARCADIA, CALIFORNIA

JUNE 2022 | PROJECT NO. W1567-06-01 | FIG. 3

SANTA BARBARA
VENTURA
LOS ANGELES
ORANGE
RIVERSIDE
IMPERIAL
SAN DIEGO
SITE
120°
33°
119°

EPICENTER MAP LEGEND

Period	1800 - 1868	1869 - 1931	1932 - 1999
≥ 7.0			
6.5 - 6.9			
6.0 - 6.4			
5.5 - 5.9			
5.0 - 5.4			

Magnitude (M)

- Historical Faulting
- Holocene Faulting
- Highways (Major)
- Highways (Minor)
- Lakes
- 65 — Last two digits of M ≥ 6.5 earthquake year

Reference: Toppozada, T., Branum, D., Petersen, M., Hallstrom, C., Cramer, C., and Reichle, M., 2000, Epicenters and Areas Damaged by M≥5 California Earthquakes, 1800 - 1999, California Geological Survey, Map Sheet 49.

N

0 20 40 Miles

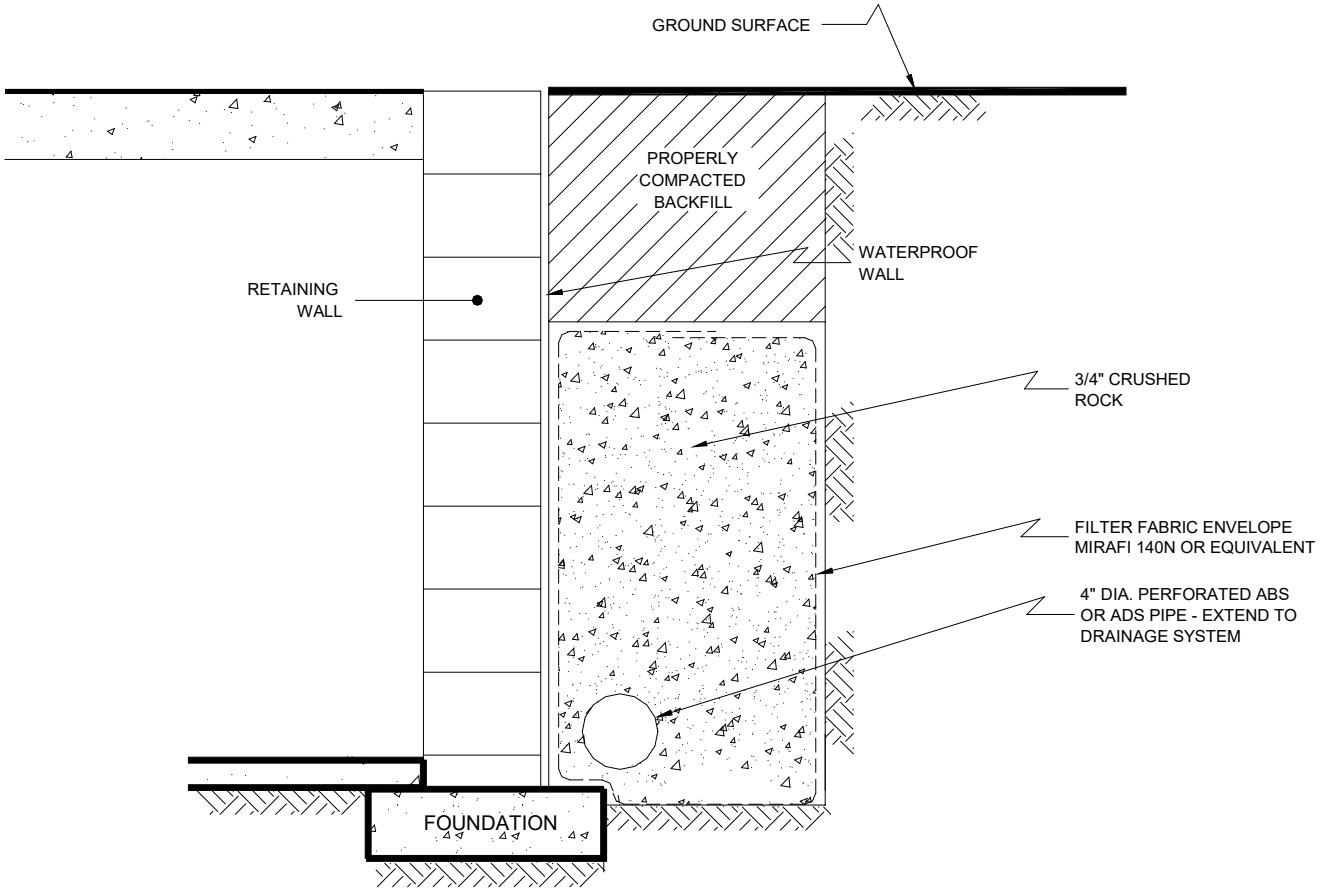
GEOCON WEST, INC.
ENVIRONMENTAL GEOTECHNICAL MATERIALS
3303 N. SAN FERNANDO BLVD. - SUITE 100 - BURBANK, CA 91504
PHONE (818) 841-8388 - FAX (818) 841-1704

DRAFTED BY: RA | CHECKED BY: SFK

REGIONAL SEISMICITY MAP

233-301 EAST HUNTINGTON DRIVE
ARCADIA, CALIFORNIA

JUNE 2022 | PROJECT NO. W1567-06-01 | FIG. 4



NO SCALE

GEOCON WEST, INC.

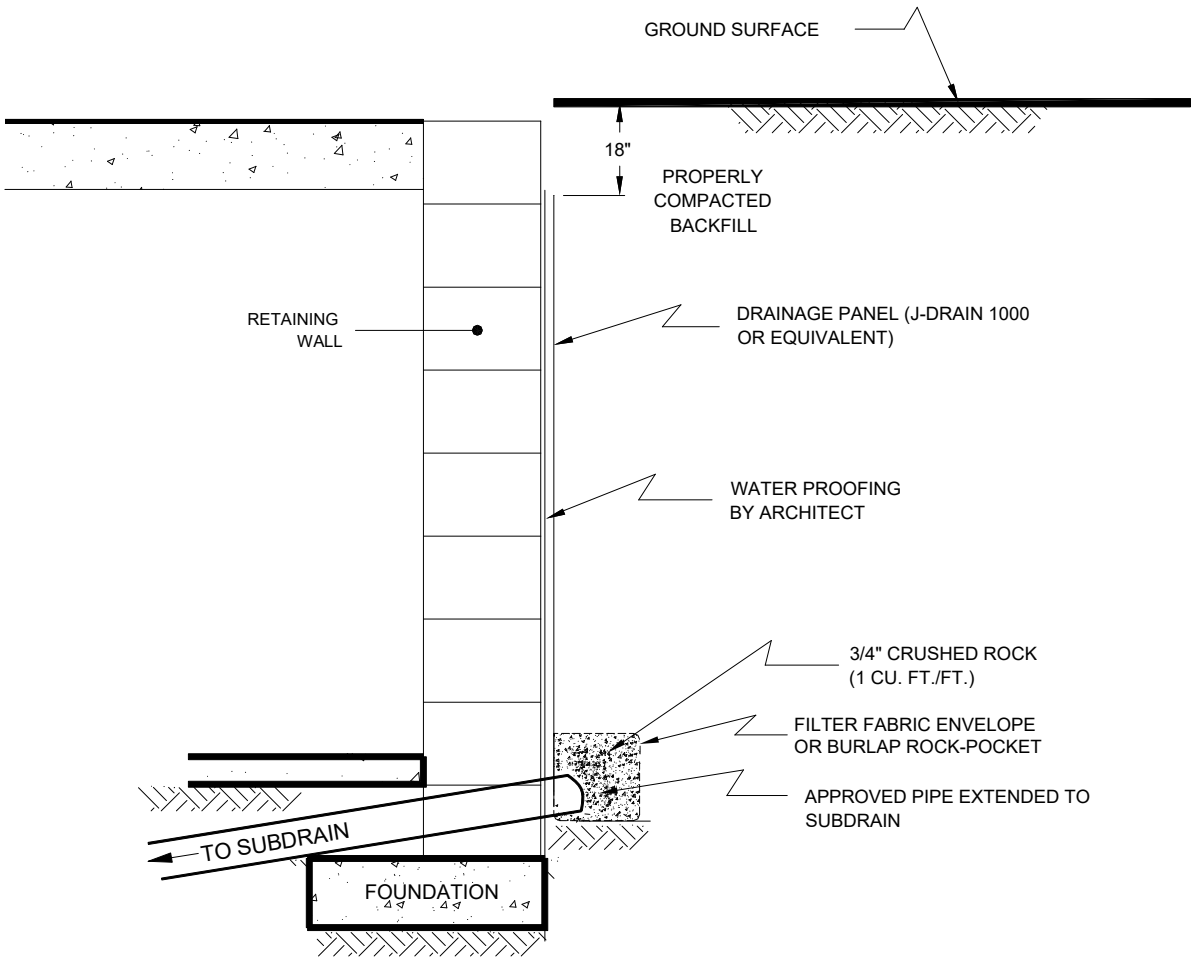
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PHONE (818) 841-8388 - FAX (818) 841-1704

DRAFTED BY: PZ	CHECKED BY: HHD

RETAINING WALL DRAIN DETAIL

233-301 EAST HUNTINGTON DRIVE
ARCADIA, CALIFORNIA

JUNE 2022	PROJECT NO. W1567-06-01	FIG. 5



NO SCALE

GEOCON WEST, INC.

ENVIRONMENTAL GEOTECHNICAL MATERIALS
3303 N. SAN FERNANDO BLVD. - SUITE 100 - BURBANK, CA 91504
PHONE (818) 841-8388 - FAX (818) 841-1704

DRAFTED BY: PZ	CHECKED BY: HHD

RETAINING WALL DRAIN DETAIL

233-301 EAST HUNTINGTON DRIVE
ARCADIA, CALIFORNIA

JUNE 2022	PROJECT NO. W1567-06-01	FIG. 6

BORING PERCOLATION TEST FIELD LOG

Date:	5/20/2022	**Boring/Test Number:**	B4	
Project Number:	W1567-06-01	**Diameter of Boring:**	8	inches
Project Location:	233-301 E Huntington Dr.	**Diameter of Casing:**	2	inches
Earth Description:	SM / SP	**Depth of Boring:**	35	feet
Tested By:	JJK	**Depth to Invert of BMP:**	30	feet
Liquid Description:	Water	**Depth to Water Table:**	200	feet
Measurement Method:	Sounder	**Depth to Initial Water Depth (d_1):**	360	inches
Start Time for Pre-Soak:	1:30 PM	**Water Remaining in Boring (Y/N):**	No	
Start Time for Standard:	2:30 PM	**Standard Time Interval Between Readings:**	10 min	

Reading Number	Initial Water Depth (ft)	Final Water Depth (ft)	Elapsed Time Δtime (min)	Water Drop During Standard Time Interval, Δd (in)	Soil Description Notes Comments
1	30.00	34.97	10	59.6	
2	30.00	34.96	10	59.5	
3	30.00	34.86	10	58.3	
4	30.00	34.88	10	58.6	
5	30.00	34.87	10	58.4	
6	30.00	34.86	10	58.3	
7	30.00	34.81	10	57.7	
8	30.00	34.80	10	57.6	Stabilized Readings Achieved

MEASURED INFILTRATION RATE & DESIGN INFILTRATION RATE CALCULATIONS*

* Calculations Below Based on Stabilized Readings Only

Boring Radius, r: 4 inches

Test Section Height, h: 60.0 inches

$$Test\ Section\ Surface\ Area, A = 2\pi rh + \pi r^2$$

A = **1558** in^2

$$Discharged\ Water\ Volume, V = \pi r^2 \Delta d$$

$$Percolation\ Rate = \left(\frac{V/A}{\Delta T}\right)$$

Reading 6	V =	**2931**	in^3	Infiltration Rate =	**11.29**	inches/hour
Reading 7	V =	**2901**	in^3	Infiltration Rate =	**11.17**	inches/hour
Reading 8	V =	**2895**	in^3	Infiltration Rate =	**11.15**	inches/hour

Measured Infiltration Rate = **11.20** inches/hour

Reduction Factors

Small Diameter Boring, RF_t = 1

Site Variability, RF_v = 1

Long Term Siltation, RF_s = 1

$$Total\ Reduction\ Factor, RF = RF_t + RF_v + RF_s$$

Total Reduction Factor = 3

Design Infiltration Rate

$$Design\ Infiltration\ Rate = Measured\ Infiltration\ Rate\ /RF$$

Design Infiltration Rate = **3.73** inches/hour

FIGURE 7

APPENDIX A

APPENDIX A

FIELD INVESTIGATION

The site was explored on May 20, 2022 by excavating five 8-inch diameter borings to depths ranging from approximately 30½ to 45½ feet below the existing ground surface using a truck-mounted, hollow-stem auger drilling machine. Representative and relatively undisturbed samples were obtained by driving a 3 inch, O. D., California Modified Sampler into the "undisturbed" soil mass with blows from a 140-pound auto-hammer falling 30 inches. The California Modified Sampler was equipped with 1-inch high by 2⅜-inch diameter brass sampler rings to facilitate soil removal and testing. Bulk samples were also obtained.

The soil conditions encountered in the borings were visually examined, classified and logged in general accordance with the Unified Soil Classification System (USCS). The logs of the borings are presented on Figures A1 through A5. The logs depict the soil and geologic conditions encountered and the depth at which samples were obtained. The logs also include our interpretation of the conditions between sampling intervals. Therefore, the logs contain both observed and interpreted data. We determined the lines designating the interface between soil materials on the logs using visual observations, penetration rates, excavation characteristics and other factors. The transition between materials may be abrupt or gradual. Where applicable, the logs were revised based on subsequent laboratory testing. The locations of the borings are shown on Figure 2A.

PROJECT NO. W1567-06-01

BORING 1

ELEV. (MSL.) -- DATE COMPLETED **05/20/2022**

EQUIPMENT **HOLLOW STEM AUGER** BY: **JJK**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT*)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0					**ASPHALT: 3" BASE: 4"**			
					ARTIFICIAL FILL			
2					Sand with Silt, poorly graded, medium dense, moist, light olive brown, fine-grained, some medium-grained, trace coarse-grained.			
					ALLUVIUM			
4				SP-SM	Sand with Silt, poorly graded, medium dense, moist, light olive brown, fine-grained.			
	B1@5'				- trace medium- and coarse-grained	20	105.4	6.2
6								
8					Sand with Silt, well-graded, medium dense, moist, light olive brown, fine- to coarse-grained.			
				SW-SM				
10	B1@10'					20	108.6	2.2
	BULK 10-15'							
12								
	B1@12.5'			SP-SM	Sand with Silt, poorly graded, medium dense, moist, light olive brown, fine-grained.	37	99.9	8.1
14					Sand, poorly graded, medium dense, moist, brown, fine- to medium-grained.			
	B1@15'					30	111.5	5.0
16								
18	B1@17.5'				- trace coarse gravel	31	119.2	2.8
20	B1@20'				- dense, small cobble fragments	71	136.7	1.0
				SP				
22								
24								
	B1@25'				- medium dense, no small cobbles or coarse-grained, trace fine gravel	53	114.7	3.1
26								
28								

W1567-06-01 BORING LOGS.GPJ

Figure A1,
Log of Boring 1, Page 1 of 2

SAMPLE SYMBOLS

- ... SAMPLING UNSUCCESSFUL
- ... STANDARD PENETRATION TEST
- ... DRIVE SAMPLE (UNDISTURBED)
- ... DISTURBED OR BAG SAMPLE
- ... CHUNK SAMPLE
- ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

GEOCON

PROJECT NO. W1567-06-01

BORING 1

ELEV. (MSL.) -- DATE COMPLETED **05/20/2022**

EQUIPMENT **HOLLOW STEM AUGER** BY: **JJK**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT*)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
30	B1@30'			SP	- trace coarse gravel, no fine-grained	37	123.8	3.6
32								
34								
	B1@35'				- dense, poorly graded	57	116.0	4.1
36					Silty Sand, medium dense, moist to very moist, olive brown, fine-grained, trace coarse-grained and fine gravel.			
38				SM				
40	B1@40'					39	113.6	9.8

Total depth of boring: 40.5 feet
Fill to 2 feet.
No groundwater encountered.
Backfilled with soil cuttings and tamped.
AC cold patched.

*Penetration resistance for 140-pound hammer falling 30 inches by auto-hammer.

NOTE: The stratification lines presented herein represent the approximate boundary between earth types; the transitions may be gradual.

W1567-06-01 BORING LOGS.GPJ

Figure A1,
Log of Boring 1, Page 2 of 2

SAMPLE SYMBOLS

- ☐ ... SAMPLING UNSUCCESSFUL
- ◧ ... STANDARD PENETRATION TEST
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ⊠ ... DISTURBED OR BAG SAMPLE
- ◥ ... CHUNK SAMPLE
- ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

GEOCON

PROJECT NO. W1567-06-01

BORING 2

ELEV. (MSL.) -- DATE COMPLETED **05/20/2022**

EQUIPMENT **HOLLOW STEM AUGER** BY: **JJK**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT*)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0					**ASPHALT: 3" BASE: 4"**			
					ARTIFICIAL FILL			
2					Sand with Silt, poorly graded, medium dense, moist, light olive brown, fine-grained, some medium-grained, trace coarse-grained.			
				SW	**ALLUVIUM**			
4					Sand, well-graded, loose, moist, light olive brown, fine- to coarse-grained.			
	B2@5'			SM	Silty Sand, loose, moist, brown, fine-rained, trace coarse-grained.	12	114.7	1.7
6								
8					Sand, poorly graded, medium dense, moist, light brown, fine-grained, some medium-grained, trace coarse-grained and fine gravel.			
				SP				
10	B2@10'					29	103.5	6.2
12					Sand with Silt, poorly graded, medium dense, moist, light brown to brown, fine-grained, trace coarse-grained and fine to coarse gravel.			
	B2@13'					49	114.5	4.5
14				SP-SM				
16								
18	B2@18'				Silty Sand, medium dense, very moist, brown, fine-grained, trace coarse-grained. - trace cobbles (to 4")	32	111.7	5.7
20	B2@20'				- no coarse-grained	44	112.8	4.8
22								
24				SM				
	B2@25'				- trace coarse-grained and fine gravel	35	121.4	10.7
26								
28								

W1567-06-01 BORING LOGS.GPJ

Figure A2,
Log of Boring 2, Page 1 of 2

SAMPLE SYMBOLS

- ☐ ... SAMPLING UNSUCCESSFUL
- ◧ ... STANDARD PENETRATION TEST
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ⊠ ... DISTURBED OR BAG SAMPLE
- ◹ ... CHUNK SAMPLE
- ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

GEOCON

PROJECT NO. W1567-06-01

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	**BORING 2** ELEV. (MSL.) -- DATE COMPLETED **05/20/2022** EQUIPMENT **HOLLOW STEM AUGER** BY: **JJK**	PENETRATION RESISTANCE (BLOWS/FT*)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
					MATERIAL DESCRIPTION			
30	B2@30'			SM	- no fine gravel	46	118.2	5.5
32								
34								
36								
38								
40	B2@40'				- very moist	43	125.3	10.5

Total depth of boring: 40.5 feet
Fill to 2 feet.
No groundwater encountered.
Backfilled with soil cuttings and tamped.
AC cold patched.

*Penetration resistance for 140-pound hammer falling 30 inches by auto-hammer.

NOTE: The stratification lines presented herein represent the approximate boundary between earth types; the transitions may be gradual.

W1567-06-01 BORING LOGS.GPJ

Figure A2,
Log of Boring 2, Page 2 of 2

SAMPLE SYMBOLS

- ☐ ... SAMPLING UNSUCCESSFUL
- ◧ ... STANDARD PENETRATION TEST
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ⊠ ... DISTURBED OR BAG SAMPLE
- ◥ ... CHUNK SAMPLE
- ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

GEOCON

PROJECT NO. W1567-06-01

BORING 3

ELEV. (MSL.) -- DATE COMPLETED **05/20/2022**

EQUIPMENT **HOLLOW STEM AUGER** BY: **JJK**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT*)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0					**ASPHALT: 3" BASE: 4"**			
					ARTIFICIAL FILL			
2					Silty Sand, medium dense, moist, olive brown, fine-grained, some medium-grained.			
					ALLUVIUM			
4					Sand, poorly graded, medium dense, slightly moist, light brown, fine-grained, trace coarse-grained and fine gravel.			
				SP				
	B3@5'					22	102.6	9.2
6								
8					Sand with Silt, poorly graded, loose, moist, brown, fine-grained, trace fine gravel.			
				SP-SM				
10	B3@10'					18	108.0	2.4
	BULK 10-15'							
12					Sand, poorly graded, medium dense, moist, light brown, fine-grained, some medium-grained, trace coarse-grained and fine gravel.			
	B3@12.5'					35	114.2	3.2
14				SP				
	B3@15'				- no fine gravel	40	123.5	3.8
16								
18								
					Silty Sand, medium dense, moist to very moist, brown, fine-grained, trace coarse-grained and fine gravel.			
20	B3@20'					25	115.3	11.9
22								
24				SM				
	B3@25'				- moist, some medium-grained, no coarse-grained or fine gravel	31	121.2	11.0
26								
28								

W1567-06-01 BORING LOGS.GPJ

Figure A3,
Log of Boring 3, Page 1 of 2

SAMPLE SYMBOLS

- ... SAMPLING UNSUCCESSFUL
- ... STANDARD PENETRATION TEST
- ... DRIVE SAMPLE (UNDISTURBED)
- ... DISTURBED OR BAG SAMPLE
- ... CHUNK SAMPLE
- ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

GEOCON

PROJECT NO. W1567-06-01

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	**BORING 3** ELEV. (MSL.) -- DATE COMPLETED **05/20/2022** EQUIPMENT **HOLLOW STEM AUGER** BY: **JJK**	PENETRATION RESISTANCE (BLOWS/FT*)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
					MATERIAL DESCRIPTION			
30	B3@30'			SP-SM	Sand with Silt, poorly graded, dense, moist, light brown, fine-grained, some coarse-grained, trace fine gravel.	61		

Total depth of boring: 30.5 feet
Fill to 3 feet.
No groundwater encountered.
Backfilled with soil cuttings and tamped.
AC cold patched.

*Penetration resistance for 140-pound hammer falling 30 inches by auto-hammer.

NOTE: The stratification lines presented herein represent the approximate boundary between earth types; the transitions may be gradual.

W1567-06-01 BORING LOGS.GPJ

Figure A3,
Log of Boring 3, Page 2 of 2

SAMPLE SYMBOLS

- ☐ ... SAMPLING UNSUCCESSFUL
- ◧ ... STANDARD PENETRATION TEST
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ⊠ ... DISTURBED OR BAG SAMPLE
- ◥ ... CHUNK SAMPLE
- ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

GEOCON

PROJECT NO. W1567-06-01

BORING 4

ELEV. (MSL.) -- DATE COMPLETED **05/20/2022**

EQUIPMENT **HOLLOW STEM AUGER** BY: **JJK**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT*)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0					**ASPHALT: 3" BASE: 3"**			
2					**ARTIFICIAL FILL** Silty Sand, loose, moist, olive brown, fine-grained, coarse gravel.			
4					**ALLUVIUM** Sand, poorly graded, loose, moist, light olive brown, fine-grained, trace coarse-grained.			
6	B4@5'					16	110.4	3.9
8				SP				
10	B4@10'				- medium dense, light brown to olive gray, some coarse-grained	27	101.0	7.4
12								
14								
16	B4@15'				- light brown, fine- to medium-grained, no coarse-grained	46	117.1	2.8
					Silty Sand, medium dense, moist, brown, fine-grained, some coarse-grained.			
18	B4@17.5'			SM		33	116.4	8.6
					Sand, poorly graded, medium dense, moist, light brown to light olive brown, fine-grained, some medium-grained.			
20	B4@20'					38	113.1	3.8
22								
24				SP				
26	B4@25'				- light brown, trace medium- to coarse-grained	52	105.5	7.2
28								

W1567-06-01 BORING LOGS.GPJ

Figure A4,
Log of Boring 4, Page 1 of 2

SAMPLE SYMBOLS

- ☐ ... SAMPLING UNSUCCESSFUL
- ◧ ... STANDARD PENETRATION TEST
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ⊠ ... DISTURBED OR BAG SAMPLE
- ◥ ... CHUNK SAMPLE
- ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

GEOCON

PROJECT NO. W1567-06-01

BORING 4

ELEV. (MSL.) -- DATE COMPLETED **05/20/2022**

EQUIPMENT **HOLLOW STEM AUGER** BY: **JJK**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT*)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
30	B4@30'			SM	- trace fine to coarse gravel Silty Sand, medium dense, moist, brown, fine-grained, trace medium- to coarse-grained.	38	116.1	3.0
32					Sand, poorly graded, medium dense, slightly moist, light brown, fine-grained, trace coarse-grained, fine gravel, and small cobbles (to 5").			
34								
36	B4@35'			SP		51	111.1	4.9
38								
40								
42				SP-SM	Sand with Silt, poorly graded, dense, moist to very moist, olive brown, fine-grained, some medium-grained, trace coarse-grained and small cobbles (to 5").			
44								
	B4@45'					70	119.9	3.3

Total depth of boring: 45.5 feet
Fill to 3 feet.
No groundwater encountered.
Backfilled to 35 feet.
Percolation testing performed.
Backfilled with soil cuttings and tamped.
AC cold patched.

*Penetration resistance for 140-pound hammer falling 30 inches by auto-hammer.

NOTE: The stratification lines presented herein represent the approximate boundary between earth types; the transitions may be gradual.

W1567-06-01 BORING LOGS.GPJ

Figure A4,
Log of Boring 4, Page 2 of 2

SAMPLE SYMBOLS

- ... SAMPLING UNSUCCESSFUL
- ... STANDARD PENETRATION TEST
- ... DRIVE SAMPLE (UNDISTURBED)
- ... DISTURBED OR BAG SAMPLE
- ... CHUNK SAMPLE
- ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

GEOCON

PROJECT NO. W1567-06-01

BORING 5

ELEV. (MSL.) -- DATE COMPLETED **05/20/2022**

EQUIPMENT **HOLLOW STEM AUGER** BY: **JJK**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT*)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0					**ASPHALT: 3" BASE: 8"**			
					ARTIFICIAL FILL			
2					Silty Sand, loose, moist, dark brown, fine-grained, some fine gravel.			
					- dark reddish brown			
4					**ALLUVIUM**			
					Sand, poorly graded, medium dense, moist, light brown, fine-grained, some medium-grained, trace coarse-grained and fine gravel.			
6	B5@5'			SP		31	105.5	5.1
8								
10	BULK 10-15'				- slightly moist, fine- to coarse-grained			
12					Sand with Silt, poorly graded, medium dense, moist, brown, fine-grained, some medium-grained.			
	B5@12.5'					21	112.2	1.7
14	B5@13'			SP-SM		31	120.6	2.8
16								
					Sand, poorly graded, dense, slightly moist, light brown, fine-grained, some medium-grained, trace fine gravel.			
18								
20	B5@20'			SP		60	109.9	1.7
22								
					Sand with Silt, poorly graded, medium dense, moist, brown, fine-grained, some medium-grained.			
24								
26	B5@25'			SP-SM		45	96.9	3.9
28					Sand, poorly graded, dense, moist, light brown, fine-grained, some coarse-grained and fine gravel, trace coarse gravel.			
				SP				

W1567-06-01 BORING LOGS.GPJ

Figure A5,
Log of Boring 5, Page 1 of 2

SAMPLE SYMBOLS

- ☐ ... SAMPLING UNSUCCESSFUL
- ◧ ... STANDARD PENETRATION TEST
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ⊠ ... DISTURBED OR BAG SAMPLE
- ◪ ... CHUNK SAMPLE
- ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

GEOCON

PROJECT NO. W1567-06-01

BORING 5

ELEV. (MSL.) -- DATE COMPLETED **05/20/2022**

EQUIPMENT **HOLLOW STEM AUGER** BY: **JJK**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT*)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
30	B5@30'			SP	- slightly moist, no fine to coarse gravel	66	114.4	1.5
32								
34								
36	B5@35'					55	112.0	2.8
38				SM	Silty Sand, medium dense, moist, olive brown, fine-grained, trace fine gravel.			
40	B5@40'					40	116.6	3.5
42				SP	Sand, poorly graded, very dense, moist, light brown, fine-grained, some coarse-grained and fine gravel.			
44								
	B5@45'					50 (6")	110.1	2.3

Total depth of boring: 45.5 feet
Fill to 3 feet.
No groundwater encountered.
Backfilled with soil cuttings and tamped.
AC cold patched.

*Penetration resistance for 140-pound hammer falling 30 inches by auto-hammer.

NOTE: The stratification lines presented herein represent the approximate boundary between earth types; the transitions may be gradual.

W1567-06-01 BORING LOGS.GPJ

Figure A5,
Log of Boring 5, Page 2 of 2

SAMPLE SYMBOLS

- ... SAMPLING UNSUCCESSFUL
- ... STANDARD PENETRATION TEST
- ... DRIVE SAMPLE (UNDISTURBED)
- ... DISTURBED OR BAG SAMPLE
- ... CHUNK SAMPLE
- ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

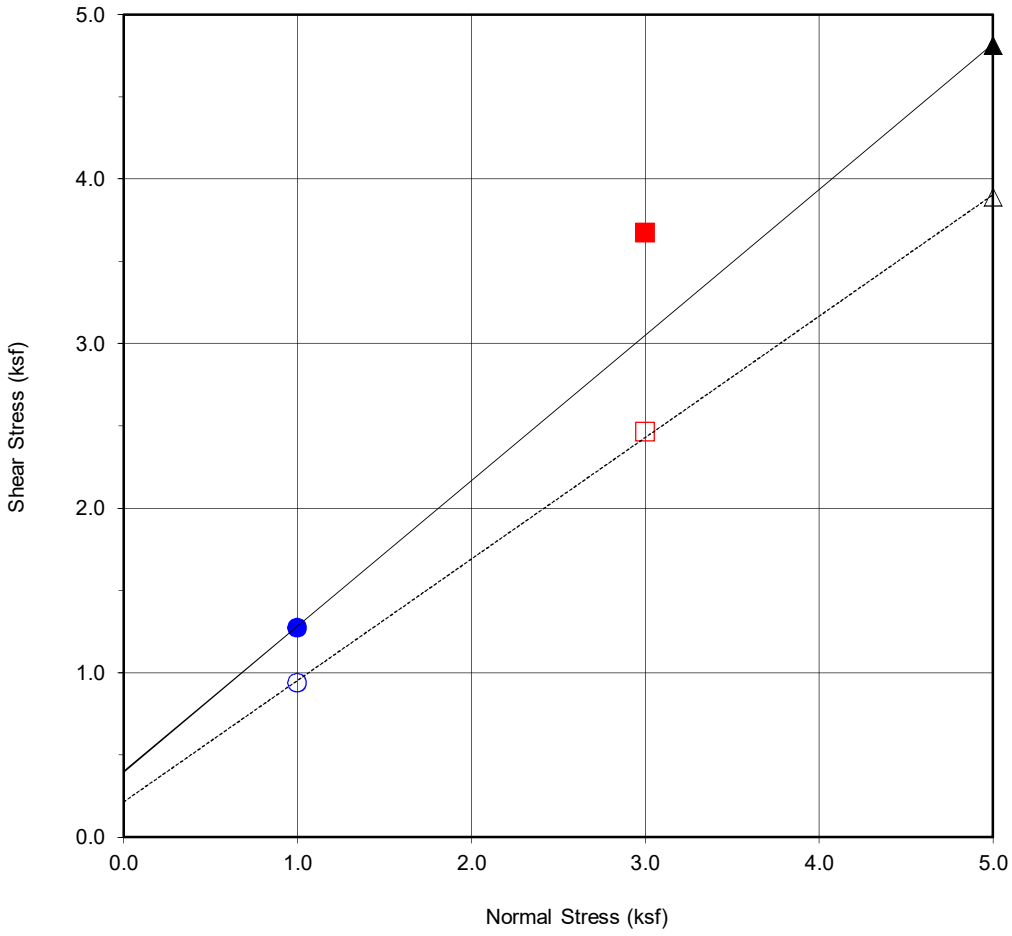
GEOCON

APPENDIX B

APPENDIX B

LABORATORY TESTING

Laboratory tests were performed in accordance with generally accepted test methods of the "American Society for Testing and Materials (ASTM)", or other suggested procedures. Selected samples were tested for direct shear strength, consolidation, corrosivity, and in-place dry density and moisture content. The results of the laboratory tests are summarized in Figures B1 through B29. The in-place dry density and moisture content of the samples tested are presented on the boring logs, Appendix A.



Boring No.	**B1**
Sample No.	**B1@5**
Depth (ft)	**5**
Sample Type:	Ring

Soil Identification:		
Sand with Silt (SP-SM)		
Strength Parameters		
	C (psf)	ϕ (^{o})
Peak	397	41.5
Ultimate	214	36.4

Normal Strest (kip/ft2)	1	3	5
Peak Shear Stress (kip/ft²)	● 1.27	■ 3.67	▲ 4.81
Shear Stress @ End of Test (ksf)	○ 0.94	□ 2.46	△ 3.89
Deformation Rate (in./min.)	0.05	0.05	0.05
Initial Sample Height (in.)	1.0	1.0	1.0
Ring Inside Diameter (in.)	2.375	2.375	2.375
Initial Moisture Content (%)	8.2	6.8	6.2
Initial Dry Density (pcf)	101.8	104.1	103.2
Initial Degree of Saturation (%)	33.8	29.8	26.3
Soil Height Before Shearing (in.)	1.2	1.2	1.2
Final Moisture Content (%)	17.2	14.0	14.9

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DIRECT SHEAR TEST RESULTS

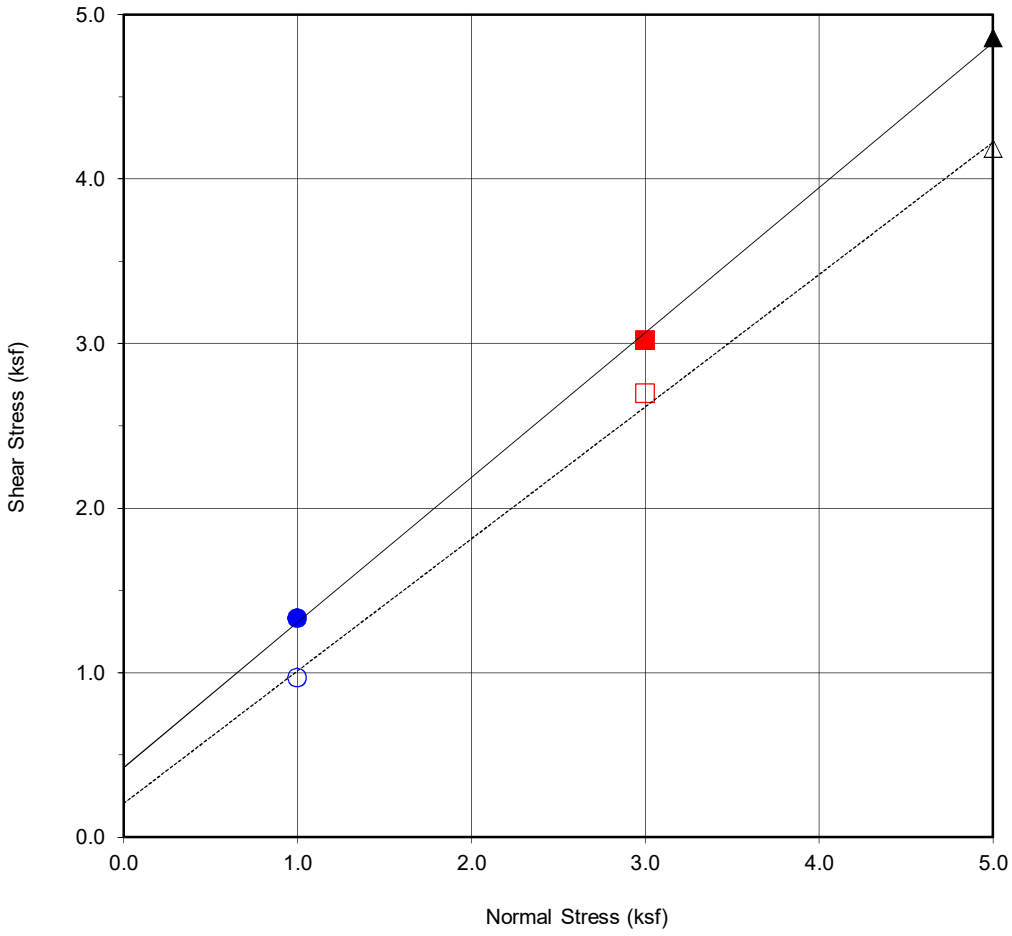
Consolidated Drained ASTM D-3080

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June 2022 Figure B1



Boring No.	**B3**
Sample No.	**B3@5'**
Depth (ft)	**5**
Sample Type:	Ring

Soil Identification:		
Poorly Graded Sand (SP)		
Strength Parameters		
	C (psf)	ϕ (^{o})
Peak	422	41.4
Ultimate	204	38.8

Normal Strest (kip/ft2)	1	3	5
Peak Shear Stress (kip/ft²)	● 1.33	■ 3.02	▲ 4.86
Shear Stress @ End of Test (ksf)	○ 0.97	□ 2.70	△ 4.19
Deformation Rate (in./min.)	0.05	0.05	0.05
Initial Sample Height (in.)	1.0	1.0	1.0
Ring Inside Diameter (in.)	2.375	2.375	2.375
Initial Moisture Content (%)	9.2	5.9	5.5
Initial Dry Density (pcf)	105.3	103.8	105.0
Initial Degree of Saturation (%)	41.2	25.7	24.6
Soil Height Before Shearing (in.)	1.2	1.2	1.2
Final Moisture Content (%)	17.5	16.6	17.4

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DIRECT SHEAR TEST RESULTS

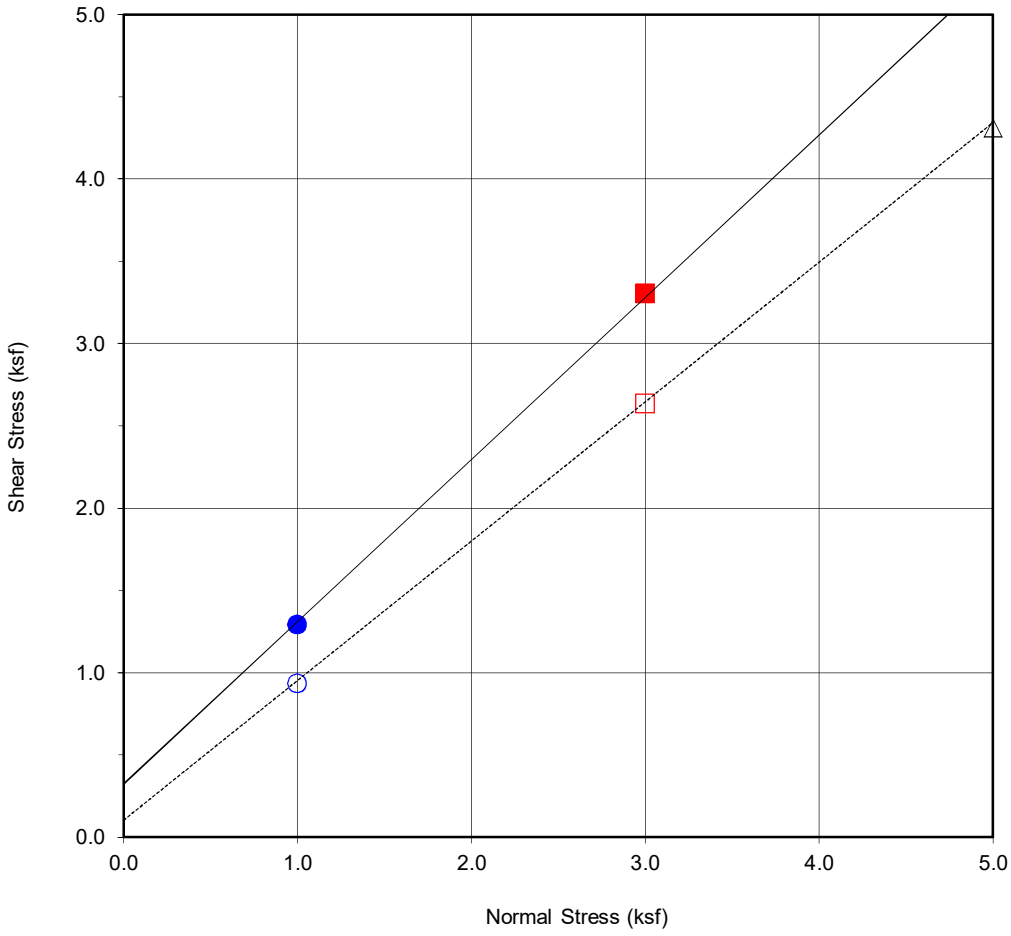
Consolidated Drained ASTM D-3080

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June 2022 Figure B2



Boring No.	**B5**
Sample No.	**B5@5'**
Depth (ft)	**5**
Sample Type:	Ring

Soil Identification:		
Poorly Graded Sand (SP)		
Strength Parameters		
	C (psf)	ϕ (^{o})
Peak	324	44.6
Ultimate	103	40.3

Normal Strest (kip/ft2)	1	3	5
Peak Shear Stress (kip/ft²)	● 1.29	■ 3.30	▲ 5.27
Shear Stress @ End of Test (ksf)	○ 0.93	□ 2.63	△ 4.31
Deformation Rate (in./min.)	0.05	0.05	0.05
Initial Sample Height (in.)	1.0	1.0	1.0
Ring Inside Diameter (in.)	2.375	2.375	2.375
Initial Moisture Content (%)	10.0	4.1	5.1
Initial Dry Density (pcf)	96.1	107.1	107.0
Initial Degree of Saturation (%)	36.0	19.4	24.1
Soil Height Before Shearing (in.)	1.2	1.2	1.2
Final Moisture Content (%)	19.5	17.0	15.1

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DIRECT SHEAR TEST RESULTS

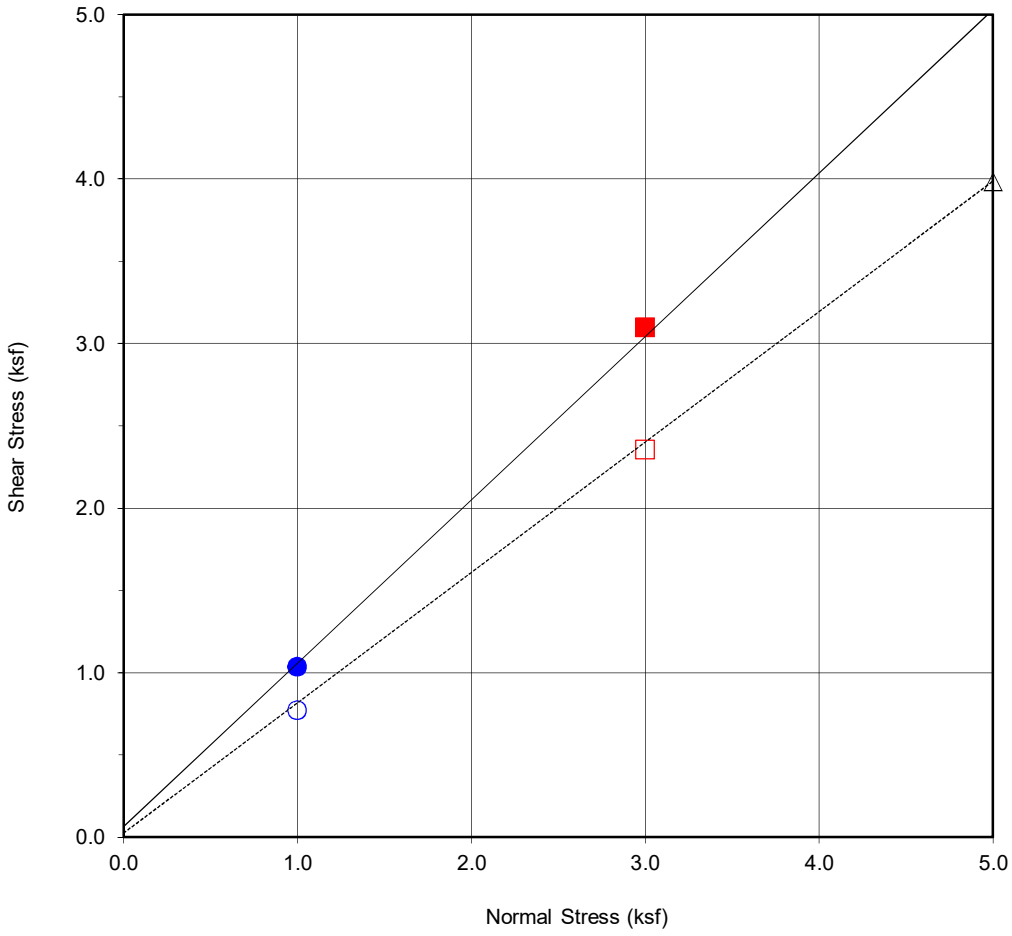
Consolidated Drained ASTM D-3080

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June 2022 Figure B3



Boring No.	**B2**
Sample No.	**B2@10**
Depth (ft)	**10**
Sample Type:	Ring

Soil Identification:		
Poorly Graded Sand (SP)		
Strength Parameters		
	C (psf)	ϕ (^{o})
Peak	65	44.8
Ultimate	25	38.4

Normal Strest (kip/ft2)	1	3	5
Peak Shear Stress (kip/ft²)	● 1.03	■ 3.10	▲ 5.00
Shear Stress @ End of Test (ksf)	○ 0.77	□ 2.35	△ 3.98
Deformation Rate (in./min.)	0.05	0.05	0.05
Initial Sample Height (in.)	1.0	1.0	1.0
Ring Inside Diameter (in.)	2.375	2.375	2.375
Initial Moisture Content (%)	6.2	5.4	12.6
Initial Dry Density (pcf)	102.6	102.3	97.4
Initial Degree of Saturation (%)	26.1	22.7	46.4
Soil Height Before Shearing (in.)	1.2	1.2	1.2
Final Moisture Content (%)	19.0	17.8	16.4

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DIRECT SHEAR TEST RESULTS

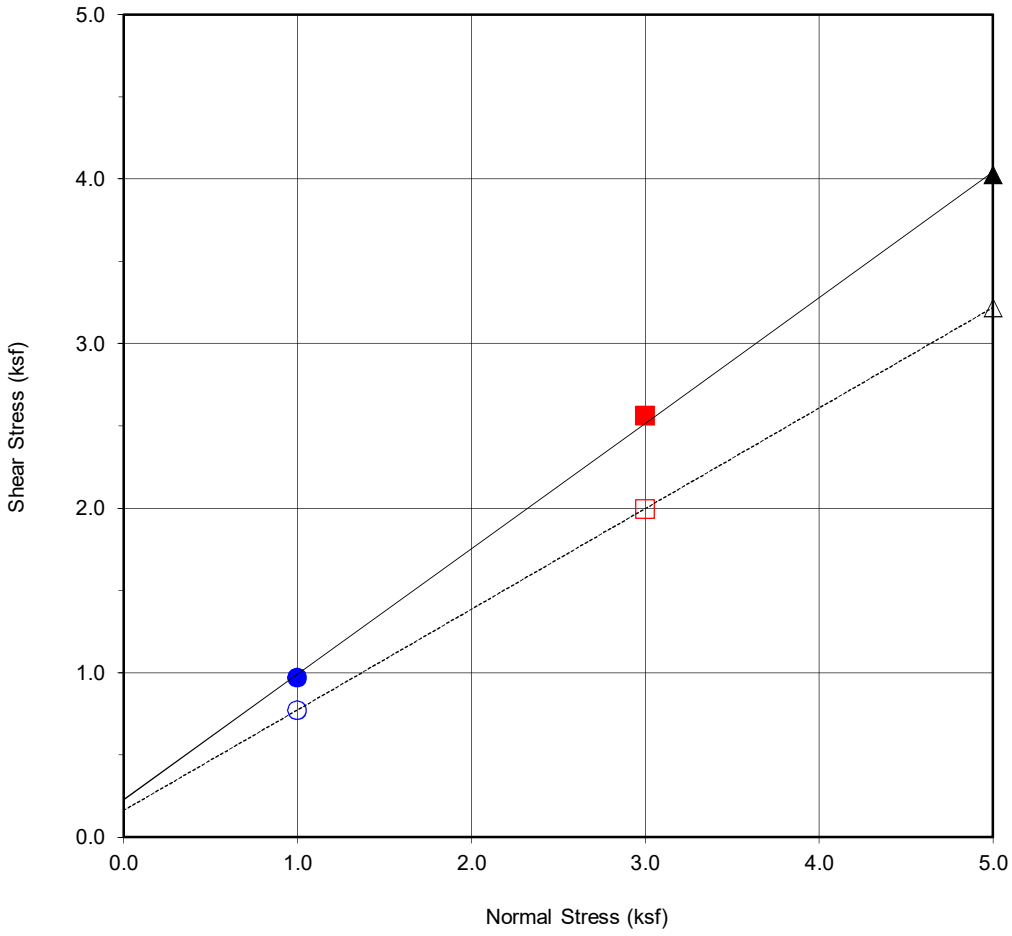
Consolidated Drained ASTM D-3080

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June 2022 Figure B4



Boring No.	**B1**
Sample No.	**B1@12.5'**
Depth (ft)	**12.5**
Sample Type:	Ring

Soil Identification:		
Sand with Silt (SP-SM)		
Strength Parameters		
	C (psf)	ϕ (^{o})
Peak	226	37.4
Ultimate	162	31.4

Normal Strest (kip/ft2)	1	3	5
Peak Shear Stress (kip/ft²)	● 0.97	■ 2.56	▲ 4.02
Shear Stress @ End of Test (ksf)	○ 0.77	□ 1.99	△ 3.22
Deformation Rate (in./min.)	0.05	0.05	0.05
Initial Sample Height (in.)	1.0	1.0	1.0
Ring Inside Diameter (in.)	2.375	2.375	2.375
Initial Moisture Content (%)	8.0	8.1	7.6
Initial Dry Density (pcf)	102.8	101.4	99.1
Initial Degree of Saturation (%)	33.6	33.2	29.3
Soil Height Before Shearing (in.)	1.2	1.2	1.2
Final Moisture Content (%)	19.3	20.8	20.7

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DIRECT SHEAR TEST RESULTS

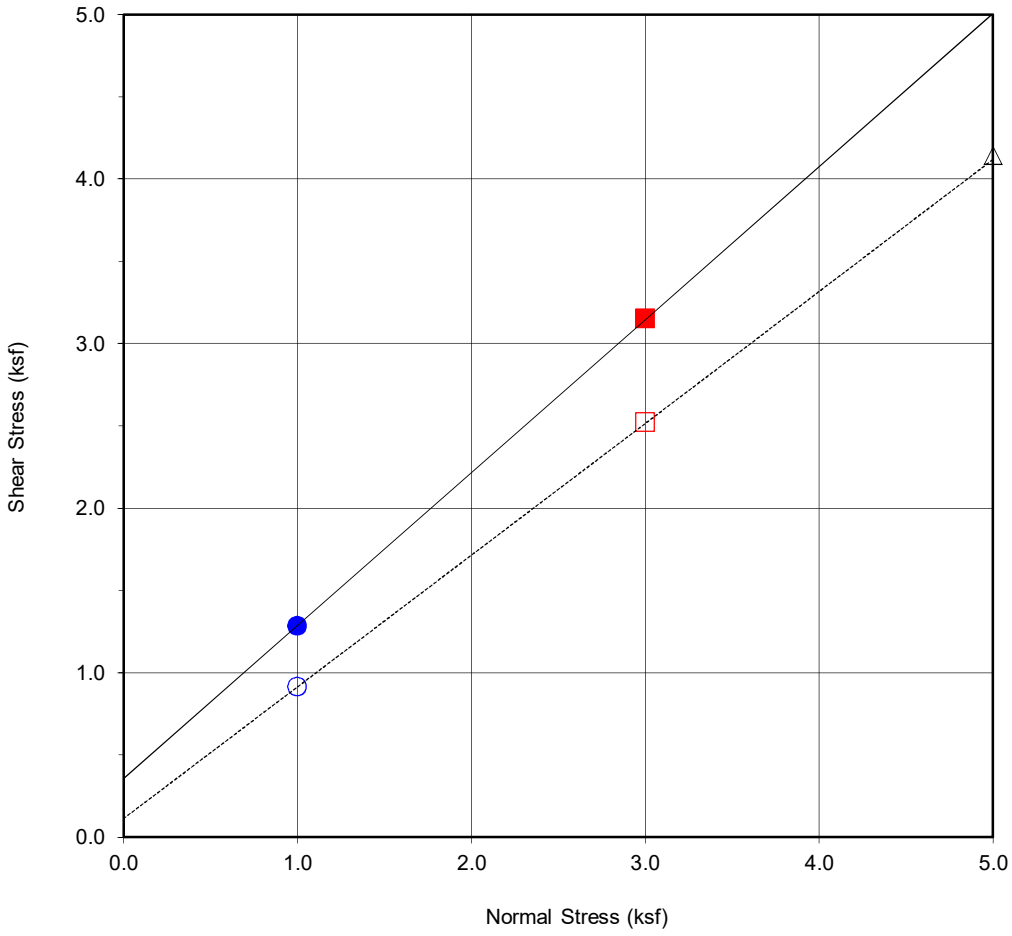
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June 2022 Figure B5



Boring No.	**B5**
Sample No.	**B5@13**
Depth (ft)	**13**
Sample Type:	Ring

Soil Identification:		
Sand with Silt (SP-SM)		
Strength Parameters		
	C (psf)	ϕ (^{o})
Peak	356	42.9
Ultimate	113	38.7

Normal Strest (kip/ft2)	1	3	5
Peak Shear Stress (kip/ft²)	● 1.28	■ 3.15	▲ 5.00
Shear Stress @ End of Test (ksf)	○ 0.91	□ 2.52	△ 4.14
Deformation Rate (in./min.)	0.05	0.05	0.05
Initial Sample Height (in.)	1.0	1.0	1.0
Ring Inside Diameter (in.)	2.375	2.375	2.375
Initial Moisture Content (%)	16.3	9.8	4.5
Initial Dry Density (pcf)	99.9	100.6	107.6
Initial Degree of Saturation (%)	64.3	39.0	21.4
Soil Height Before Shearing (in.)	1.2	1.2	1.2
Final Moisture Content (%)	27.3	20.1	15.5

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DIRECT SHEAR TEST RESULTS

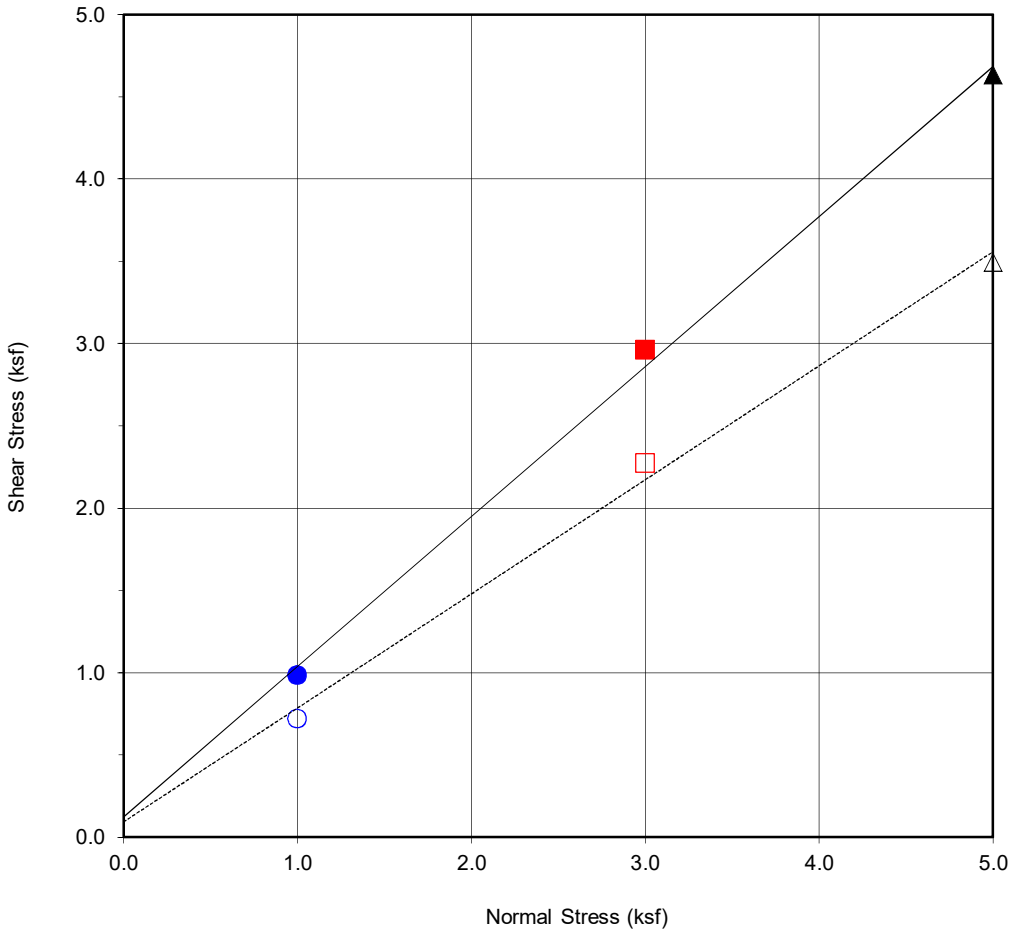
Consolidated Drained ASTM D-3080

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June 2022 Figure B6



Boring No.	**B4**
Sample No.	**B4@25'**
Depth (ft)	**25**
Sample Type:	Ring

Soil Identification:		
Poorly Graded Sand (SP)		
Strength Parameters		
	C (psf)	ϕ (^{o})
Peak	124	42.4
Ultimate	93	34.7

Normal Strest (kip/ft2)	1	3	5
Peak Shear Stress (kip/ft²)	● 0.98	■ 2.96	▲ 4.63
Shear Stress @ End of Test (ksf)	○ 0.72	□ 2.27	△ 3.49
Deformation Rate (in./min.)	0.05	0.05	0.05
Initial Sample Height (in.)	1.0	1.0	1.0
Ring Inside Diameter (in.)	2.375	2.375	2.375
Initial Moisture Content (%)	6.3	7.2	5.2
Initial Dry Density (pcf)	104.2	107.0	106.1
Initial Degree of Saturation (%)	27.6	33.7	24.0
Soil Height Before Shearing (in.)	1.2	1.2	1.2
Final Moisture Content (%)	16.7	16.9	15.4

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DIRECT SHEAR TEST RESULTS

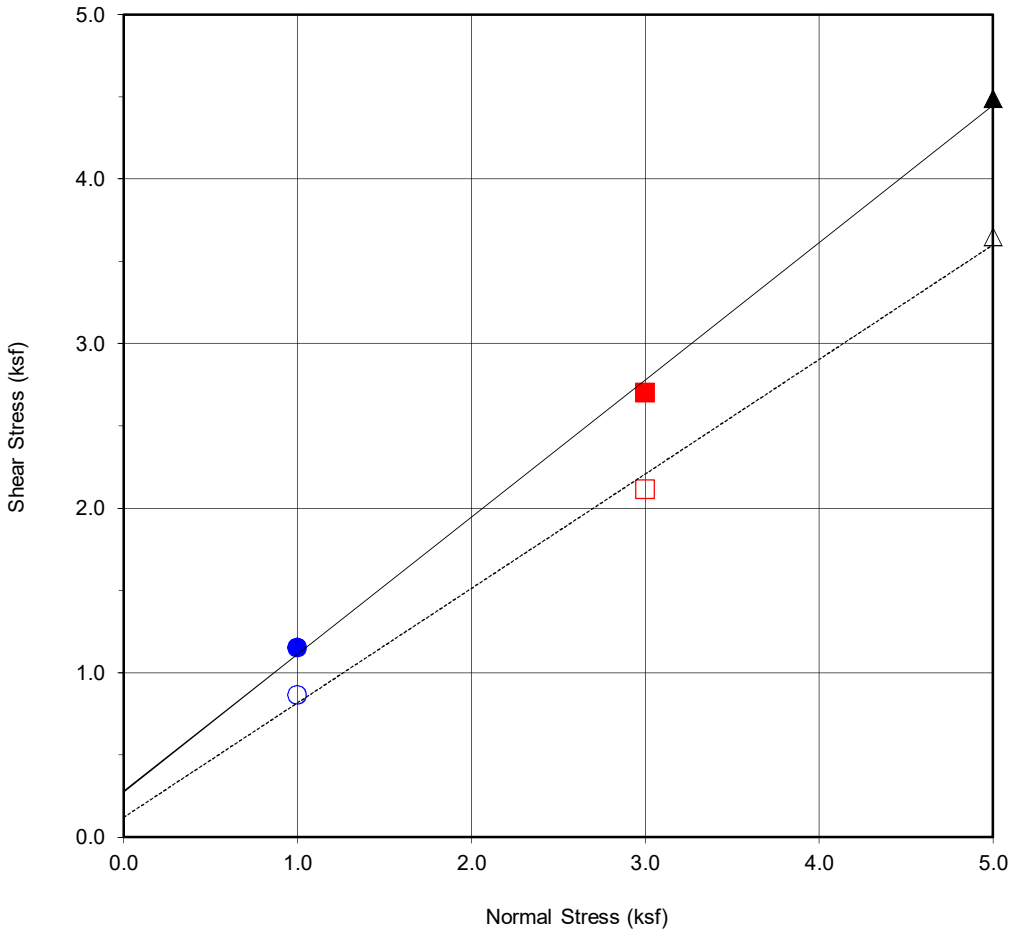
Consolidated Drained ASTM D-3080

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June 2022 Figure B7



Boring No.	**B2**
Sample No.	**B2@30'**
Depth (ft)	**30**
Sample Type:	Ring

Soil Identification:		
Silty Sand (SM)		
Strength Parameters		
	C (psf)	ϕ (^{o})
Peak	278	39.8
Ultimate	120	34.8

Normal Strest (kip/ft2)	1	3	5
Peak Shear Stress (kip/ft²)	● 1.15	■ 2.70	▲ 4.49
Shear Stress @ End of Test (ksf)	○ 0.86	□ 2.11	△ 3.65
Deformation Rate (in./min.)	0.05	0.05	0.05
Initial Sample Height (in.)	1.0	1.0	1.0
Ring Inside Diameter (in.)	2.375	2.375	2.375
Initial Moisture Content (%)	9.0	7.6	6.7
Initial Dry Density (pcf)	105.5	109.9	107.5
Initial Degree of Saturation (%)	40.7	38.5	31.9
Soil Height Before Shearing (in.)	1.2	1.2	1.2
Final Moisture Content (%)	16.3	16.5	15.9

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DIRECT SHEAR TEST RESULTS

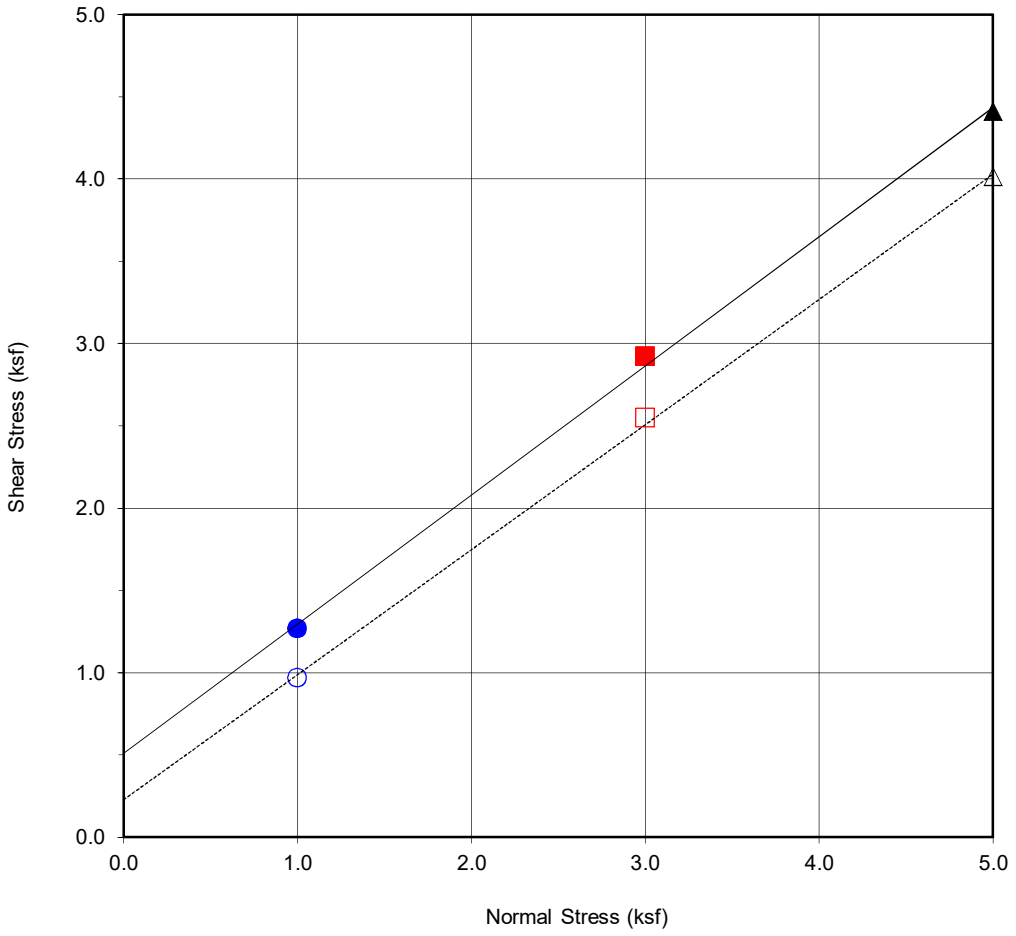
Consolidated Drained ASTM D-3080

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June 2022 Figure B8



Boring No.	**B5**
Sample No.	**B5@30'**
Depth (ft)	**30**
Sample Type:	Ring

Soil Identification:		
Poorly Graded Sand (SP)		
Strength Parameters		
	C (psf)	ϕ (^{o})
Peak	509	38.1
Ultimate	227	37.3

Normal Strest (kip/ft2)	1	3	5
Peak Shear Stress (kip/ft²)	● 1.27	■ 2.92	▲ 4.41
Shear Stress @ End of Test (ksf)	○ 0.97	□ 2.55	△ 4.01
Deformation Rate (in./min.)	0.05	0.05	0.05
Initial Sample Height (in.)	1.0	1.0	1.0
Ring Inside Diameter (in.)	2.375	2.375	2.375
Initial Moisture Content (%)	5.4	4.1	5.2
Initial Dry Density (pcf)	112.1	109.9	109.9
Initial Degree of Saturation (%)	28.8	20.8	26.5
Soil Height Before Shearing (in.)	1.2	1.2	1.2
Final Moisture Content (%)	16.2	15.8	16.4

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DIRECT SHEAR TEST RESULTS

Consolidated Drained ASTM D-3080

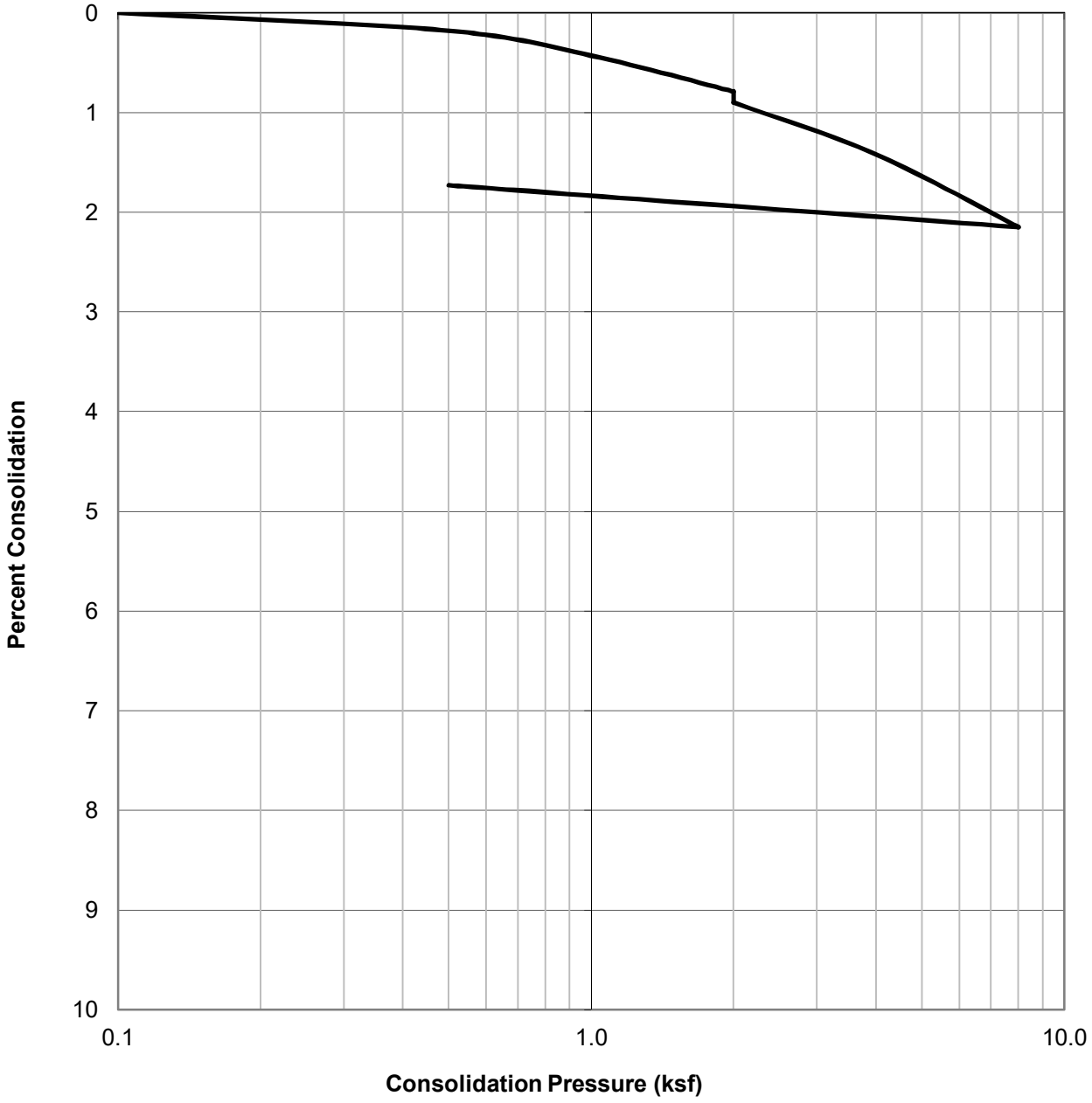
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June 2022 Figure B9

WATER ADDED AT 2.0 KSF



SAMPLE ID.	SOIL TYPE	DRY DENSITY (PCF)	INITIAL MOISTURE (%)	FINAL MOISTURE (%)
B1@15	Poorly Graded Sand (SP)	110.6	5.0	17.7

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CONSOLIDATION TEST RESULTS

ASTM D-2435

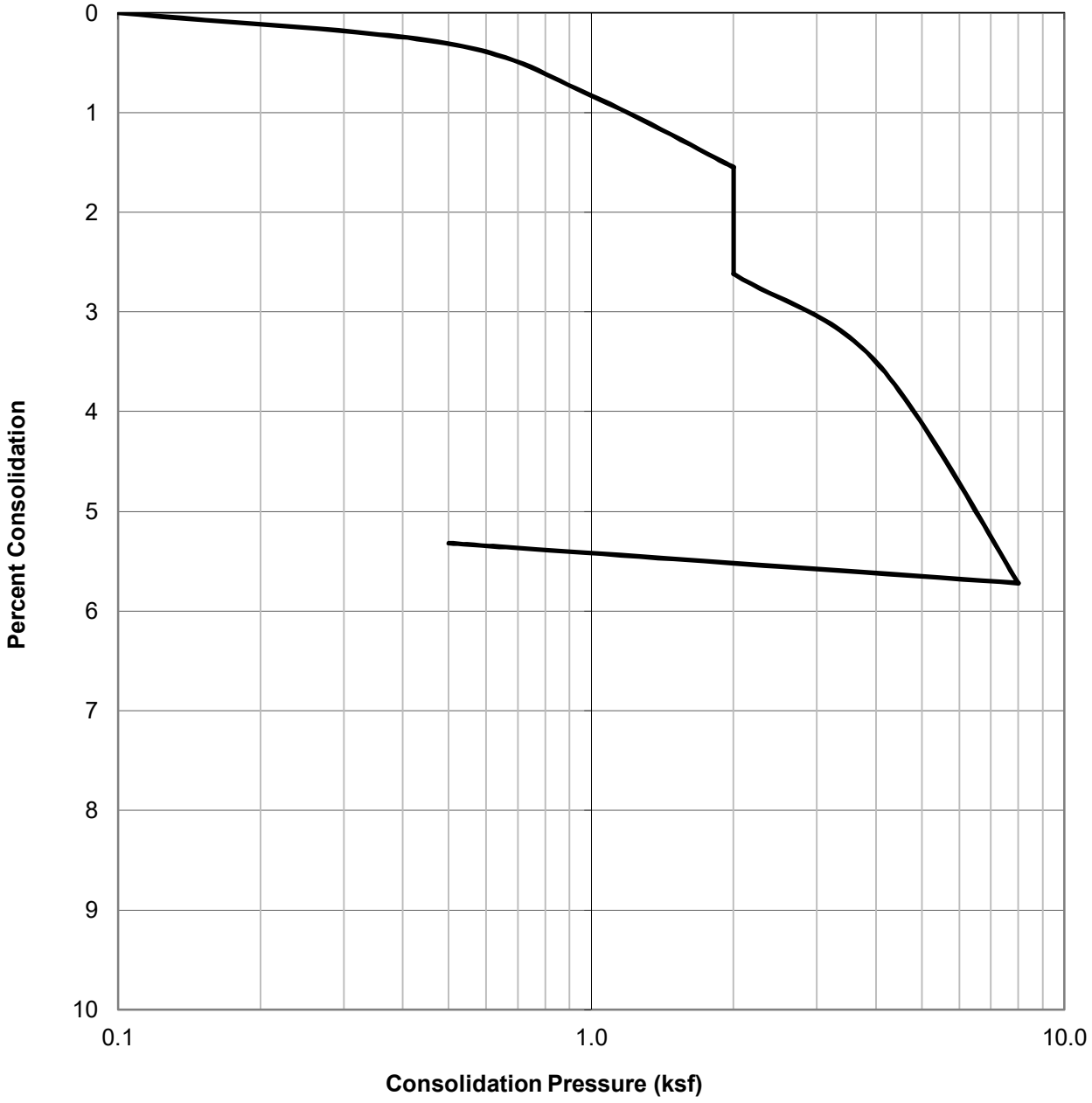
Checked by: PZ

Project No.: W1567-06-01

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June 2022 Figure B10

WATER ADDED AT 2.0 KSF



SAMPLE ID.	SOIL TYPE	DRY DENSITY (PCF)	INITIAL MOISTURE (%)	FINAL MOISTURE (%)
B1@30	Poorly Graded Sand (SP)	108.2	3.6	16.0

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CONSOLIDATION TEST RESULTS

ASTM D-2435

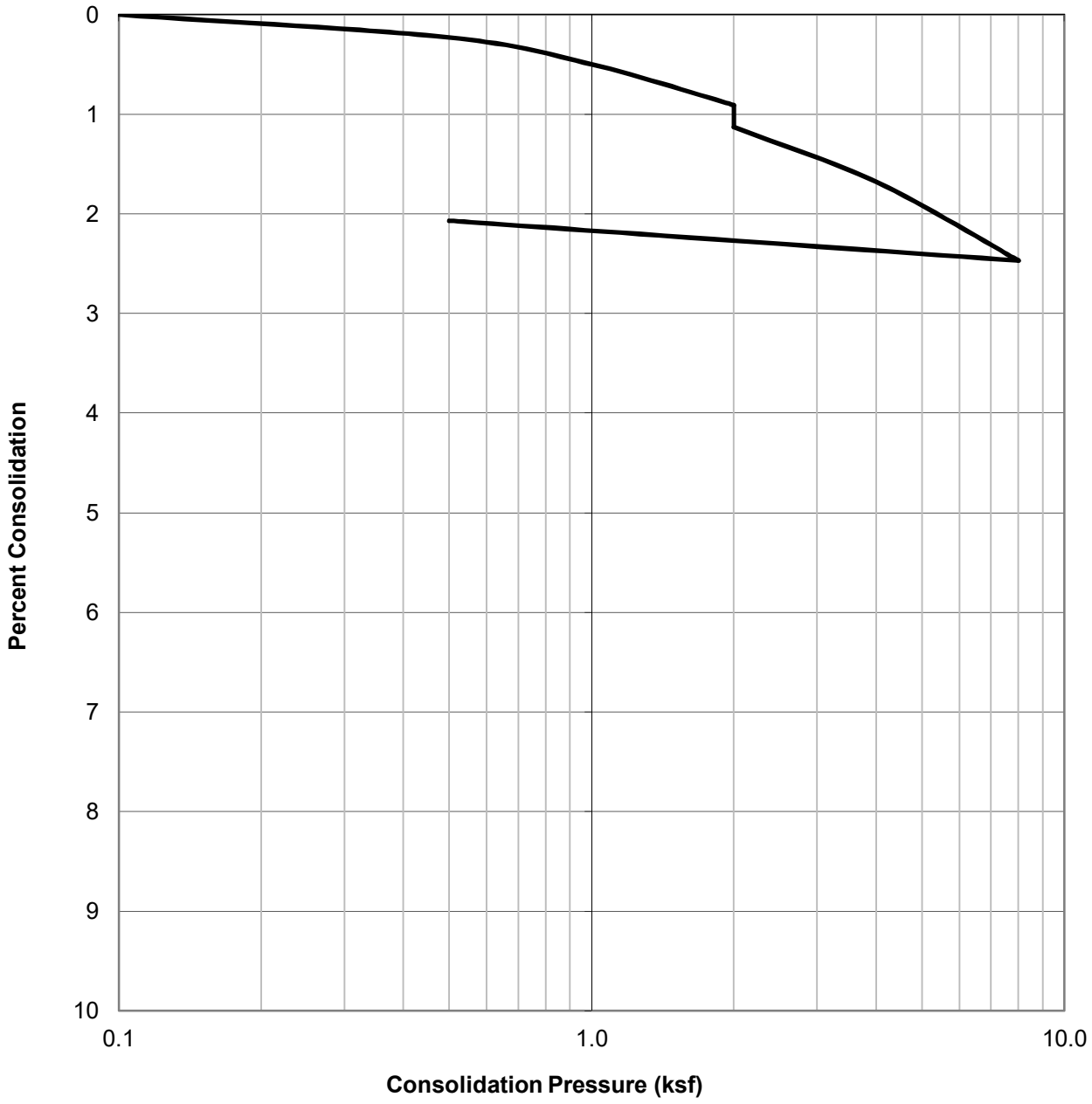
Checked by: PZ

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June 2022 Figure B11

WATER ADDED AT 2.0 KSF



SAMPLE ID.	SOIL TYPE	DRY DENSITY (PCF)	INITIAL MOISTURE (%)	FINAL MOISTURE (%)
B2@13	Sand with Silt (SP-SM)	104.0	4.5	19.6

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CONSOLIDATION TEST RESULTS

ASTM D-2435

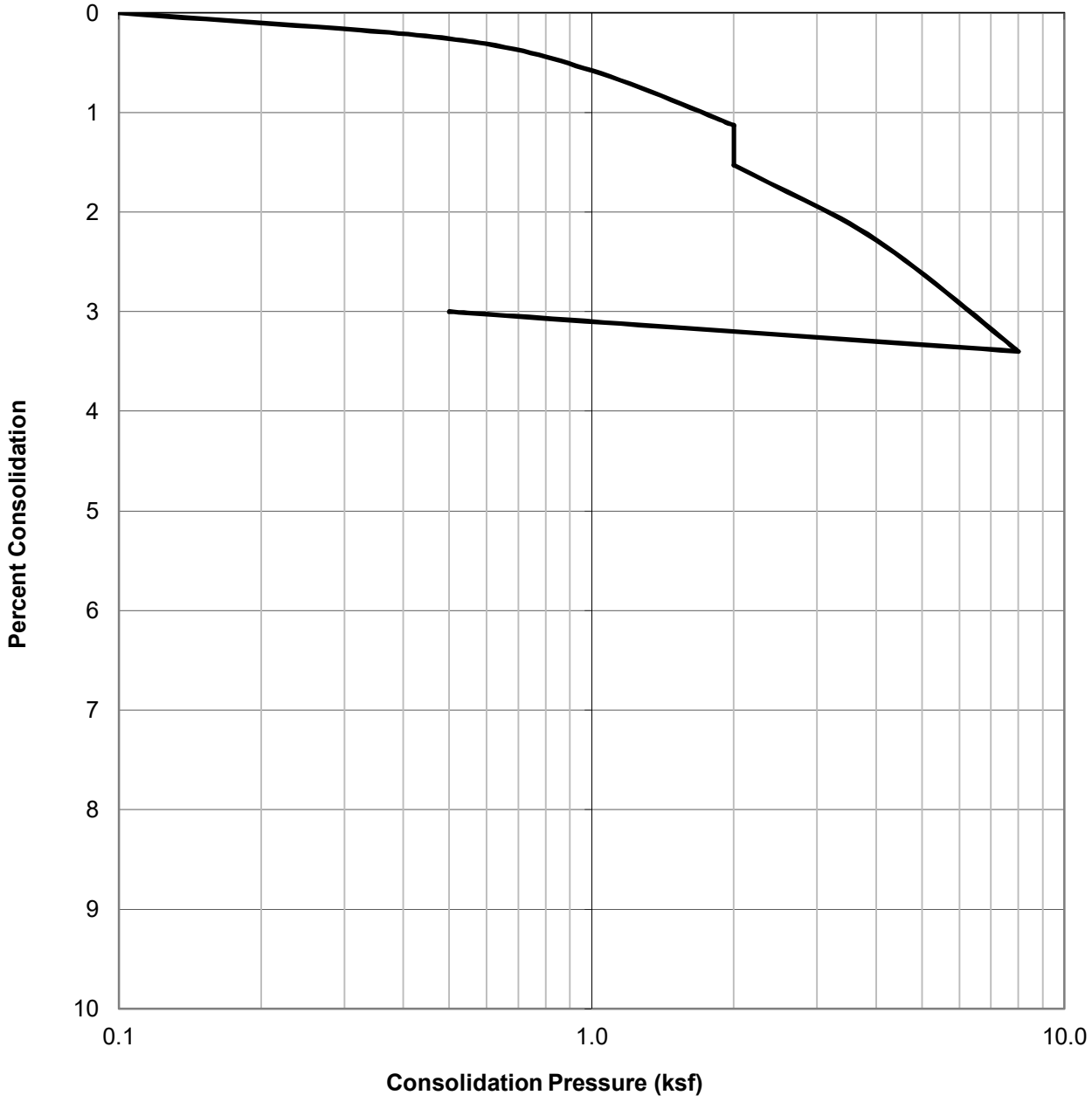
Checked by: PZ

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June 2022 Figure B12

WATER ADDED AT 2.0 KSF



SAMPLE ID.	SOIL TYPE	DRY DENSITY (PCF)	INITIAL MOISTURE (%)	FINAL MOISTURE (%)
B2@18	Silty Sand (SM)	102.7	5.7	18.4

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CONSOLIDATION TEST RESULTS

ASTM D-2435

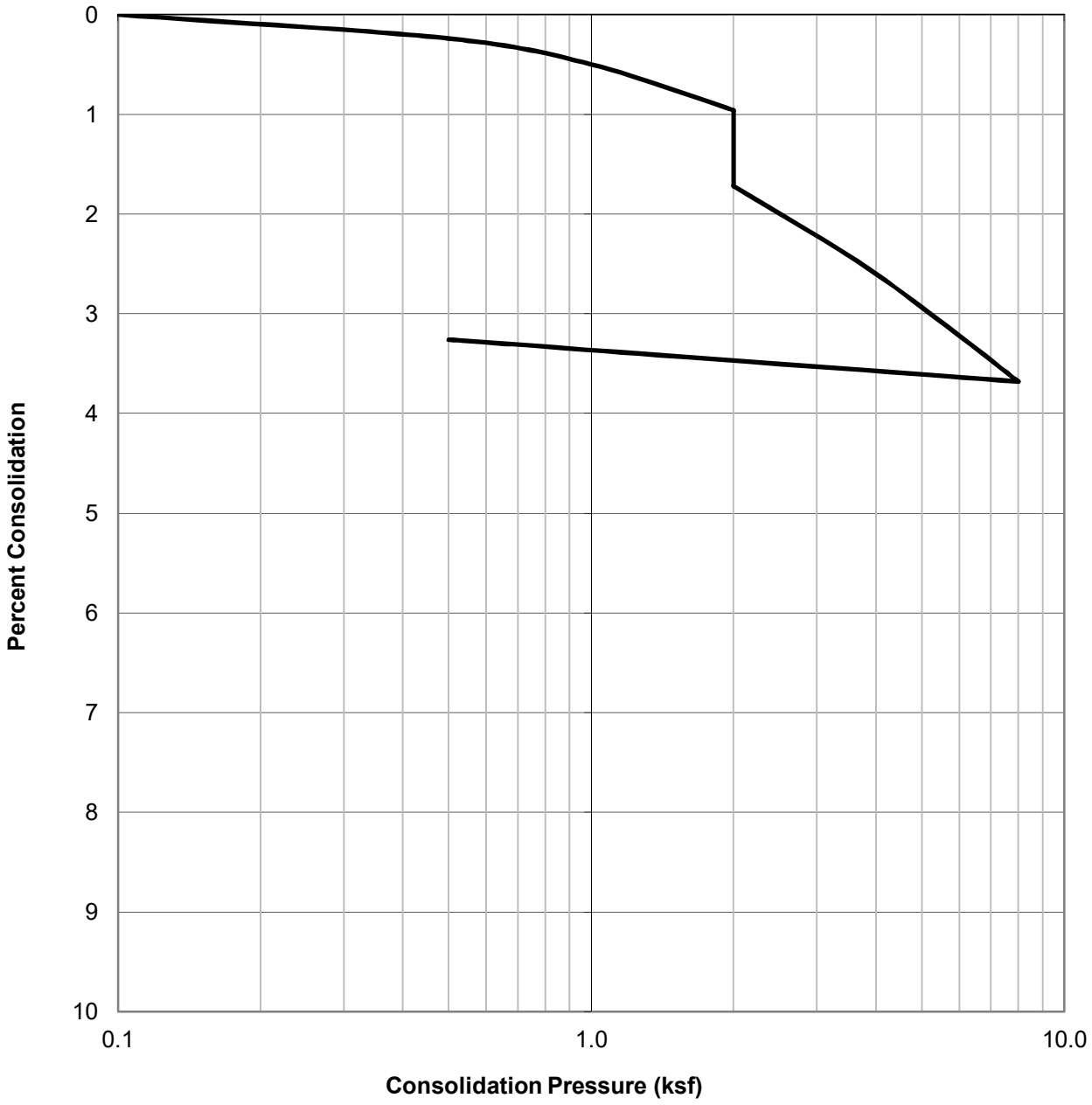
Checked by: PZ

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June 2022 Figure B13

WATER ADDED AT 2.0 KSF



SAMPLE ID.	SOIL TYPE	DRY DENSITY (PCF)	INITIAL MOISTURE (%)	FINAL MOISTURE (%)
B2@20	Silty Sand (SM)	102.2	4.8	18.7

GEOCON

CONSOLIDATION TEST RESULTS

ASTM D-2435

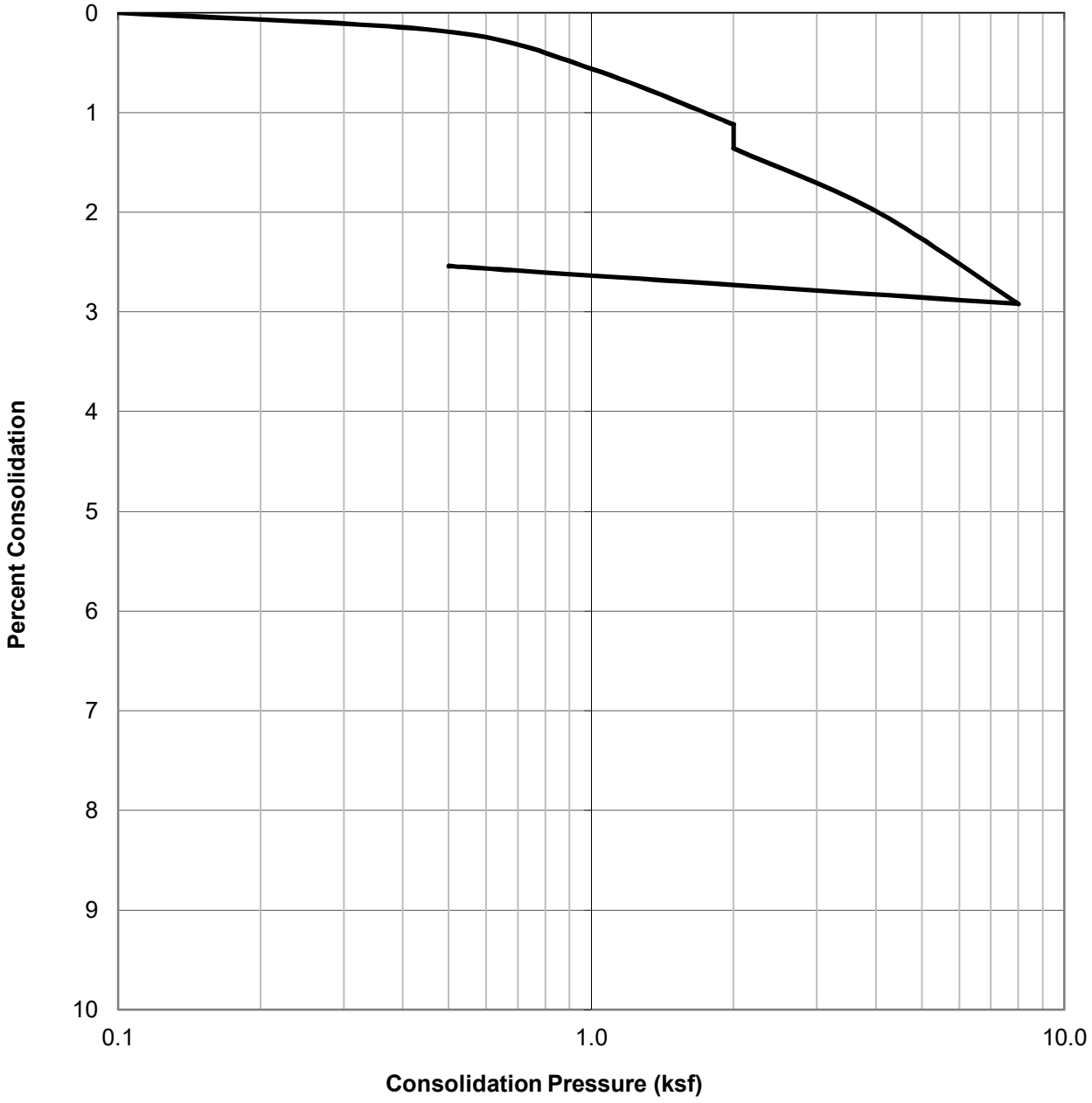
Checked by: PZ

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June 2022 Figure B14

WATER ADDED AT 2.0 KSF



SAMPLE ID.	SOIL TYPE	DRY DENSITY (PCF)	INITIAL MOISTURE (%)	FINAL MOISTURE (%)
B2@25	Silty Sand (SM)	116.7	10.7	12.9

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CONSOLIDATION TEST RESULTS

ASTM D-2435

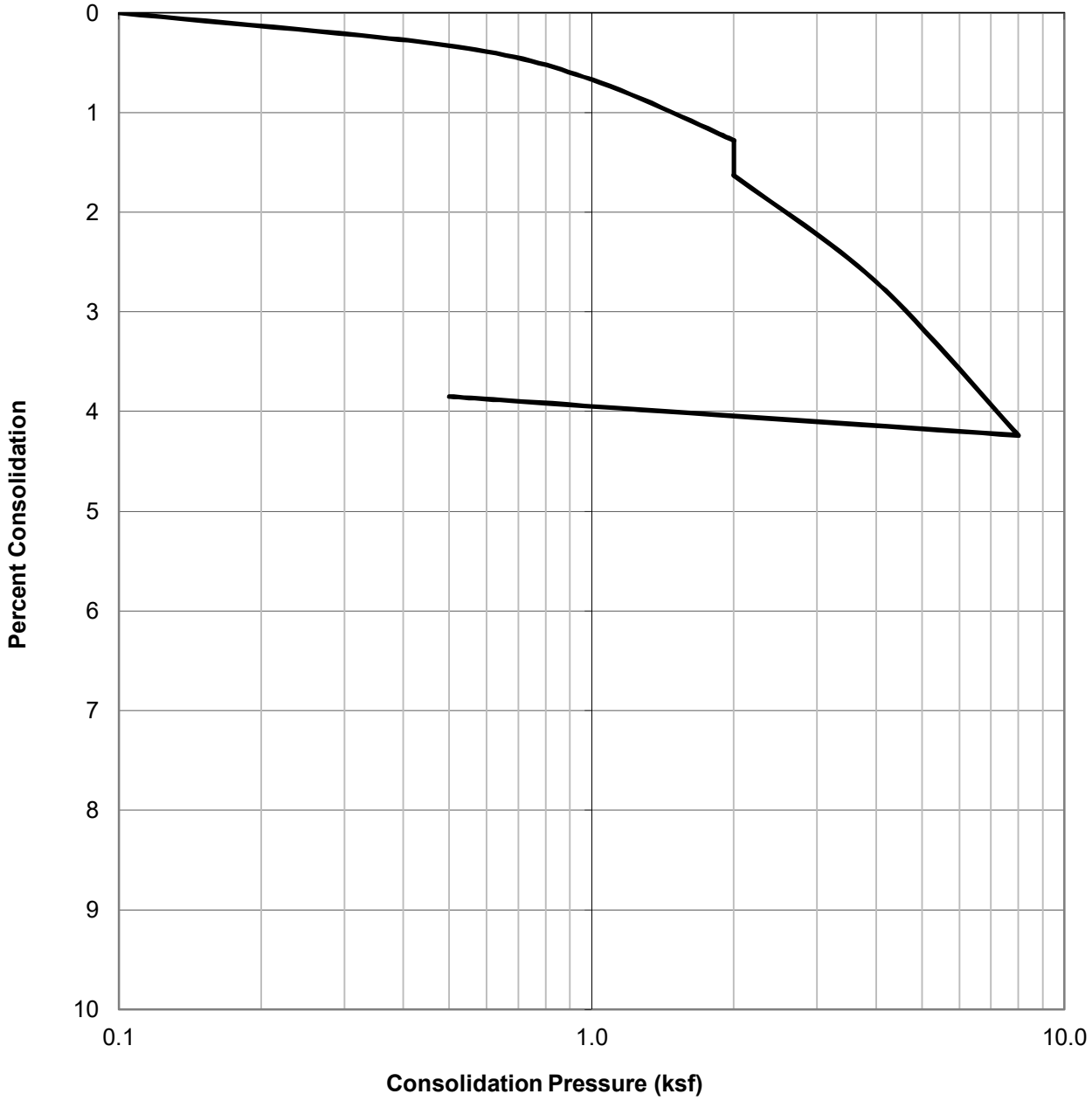
Checked by: PZ

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June 2022 Figure B15

WATER ADDED AT 2.0 KSF



SAMPLE ID.	SOIL TYPE	DRY DENSITY (PCF)	INITIAL MOISTURE (%)	FINAL MOISTURE (%)
B2@30	Silty Sand (SM)	108.3	5.5	16.6

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CONSOLIDATION TEST RESULTS

ASTM D-2435

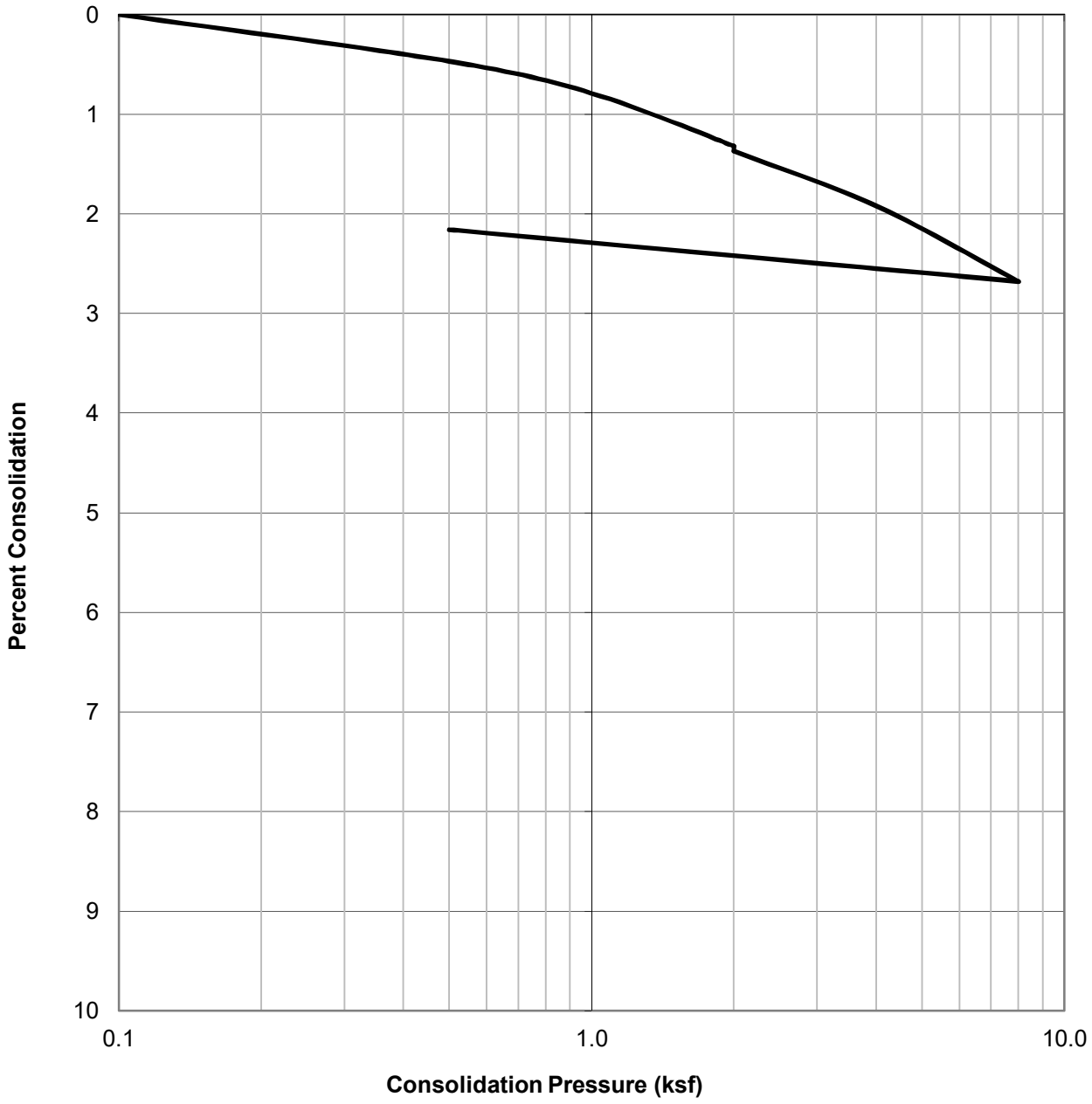
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June 2022 Figure B16

WATER ADDED AT 2.0 KSF



SAMPLE ID.	SOIL TYPE	DRY DENSITY (PCF)	INITIAL MOISTURE (%)	FINAL MOISTURE (%)
B2@40	Silty Sand (SM)	122.6	10.5	11.3

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CONSOLIDATION TEST RESULTS

ASTM D-2435

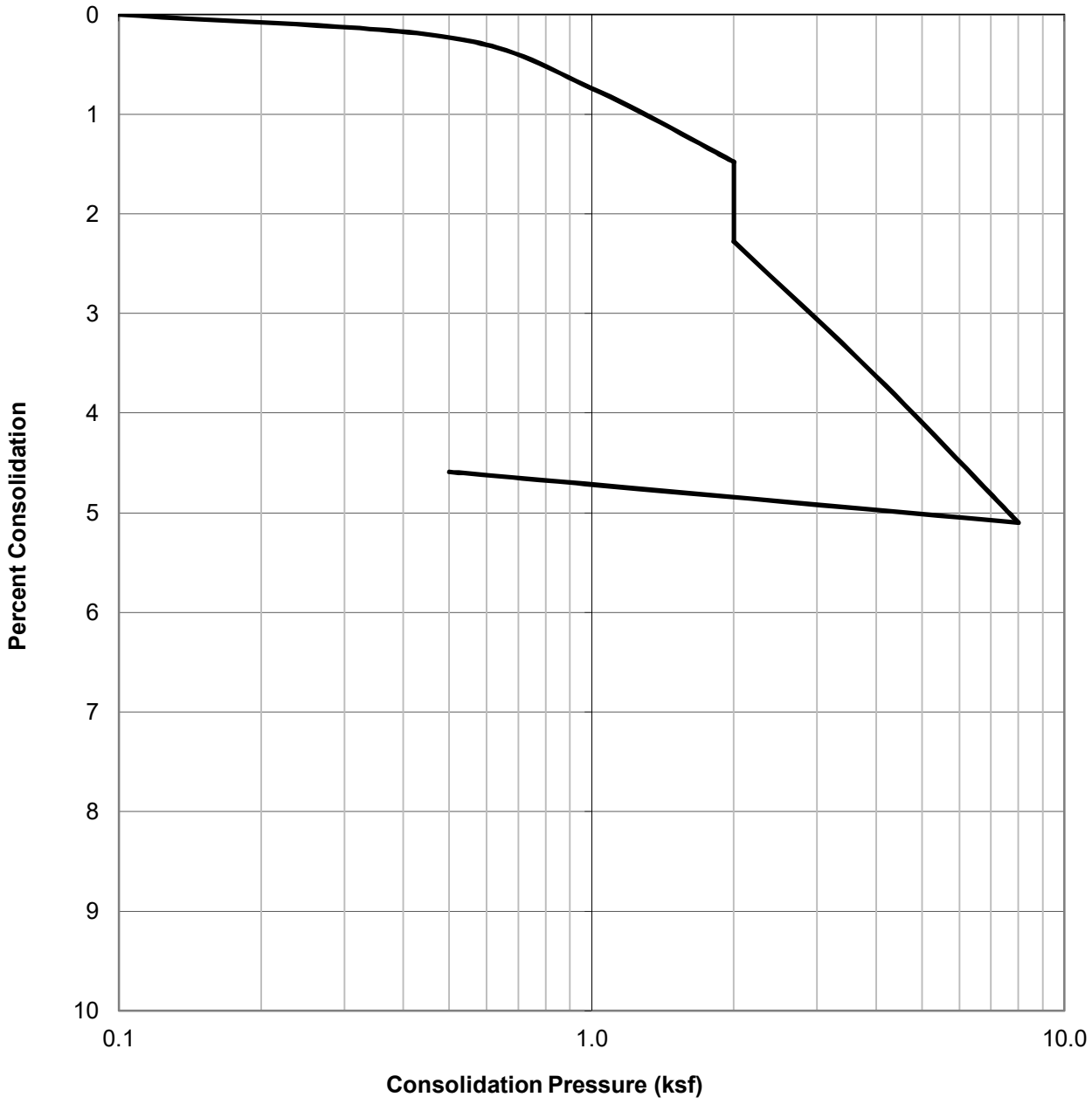
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June 2022 Figure B17

WATER ADDED AT 2.0 KSF



SAMPLE ID.	SOIL TYPE	DRY DENSITY (PCF)	INITIAL MOISTURE (%)	FINAL MOISTURE (%)
B3@15	Poorly Graded Sand (SP)	110.4	3.8	15.6

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CONSOLIDATION TEST RESULTS

ASTM D-2435

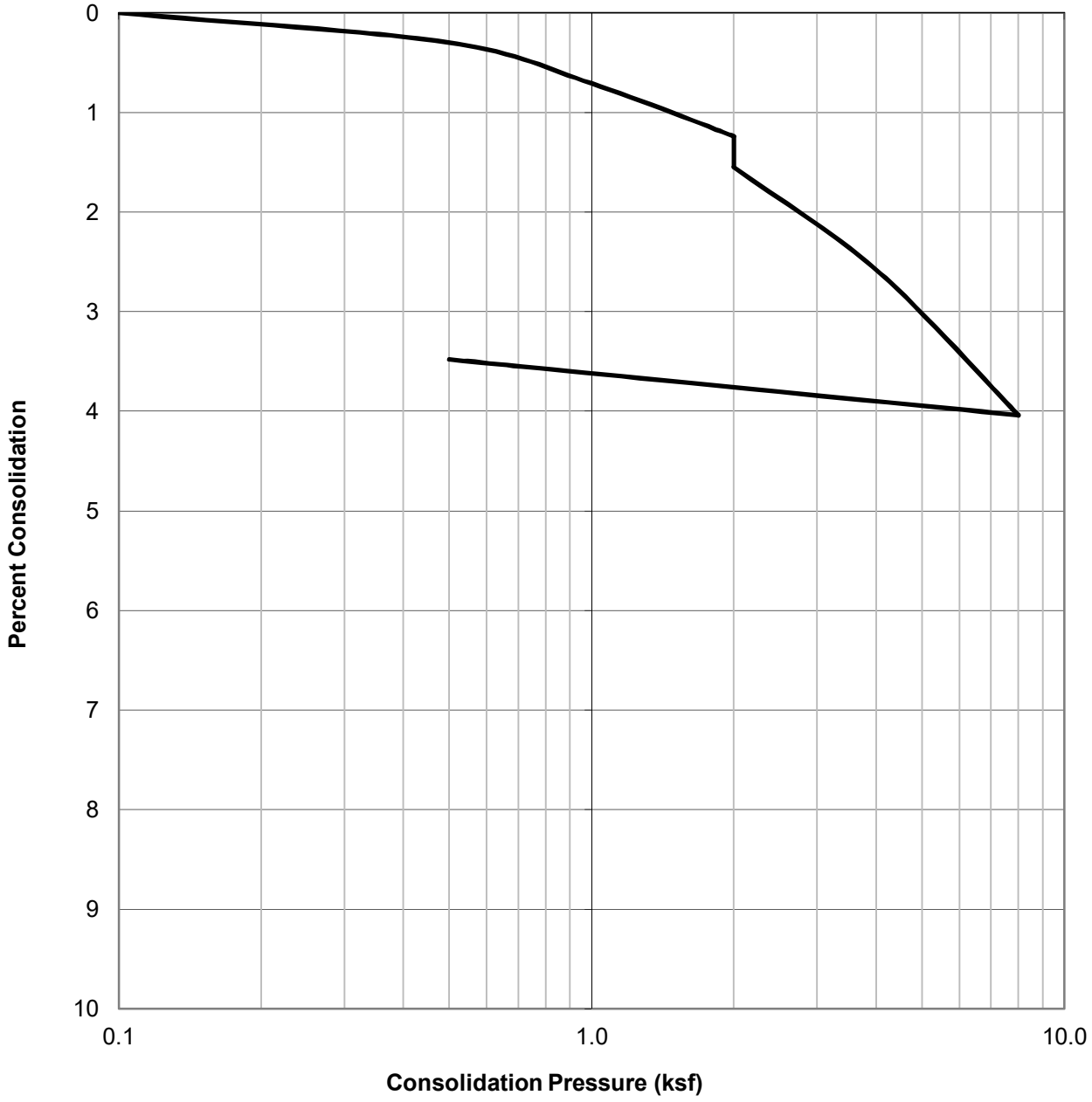
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June 2022 Figure B18

WATER ADDED AT 2.0 KSF



SAMPLE ID.	SOIL TYPE	DRY DENSITY (PCF)	INITIAL MOISTURE (%)	FINAL MOISTURE (%)
B3@20	Silty Sand (SM)	111.9	11.9	16.1

GEOCON

CONSOLIDATION TEST RESULTS

ASTM D-2435

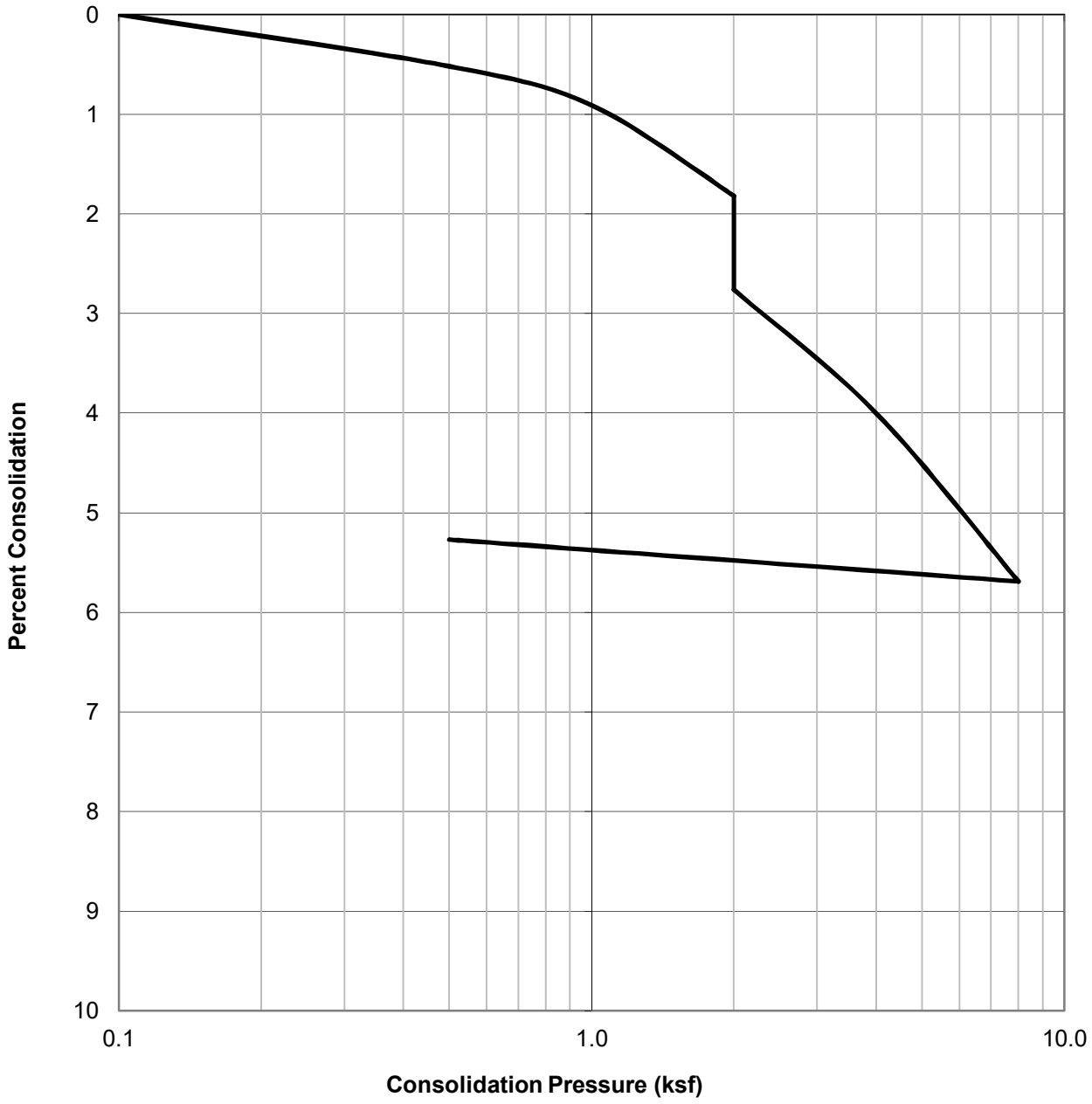
Checked by: PZ

Project No.: W1567-06-01

233-301 East Huntington Drive
Arcadia, California

June 2022 Figure B19

WATER ADDED AT 2.0 KSF



SAMPLE ID.	SOIL TYPE	DRY DENSITY (PCF)	INITIAL MOISTURE (%)	FINAL MOISTURE (%)
B4@15	Poorly Graded Sand (SP)	104.9	2.8	15.6

GEOCON

CONSOLIDATION TEST RESULTS

ASTM D-2435

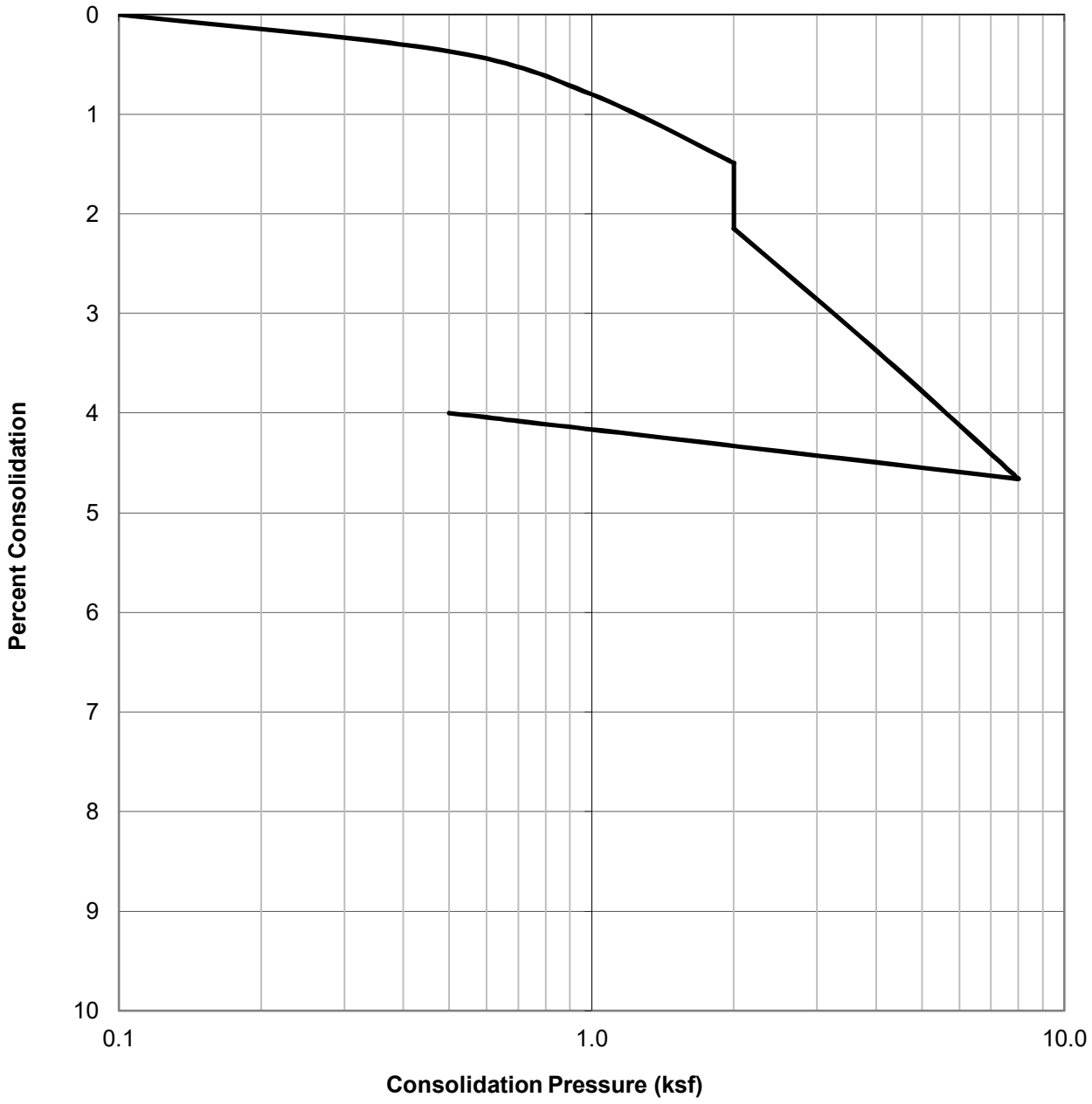
Checked by: PZ

Project No.: W1567-06-01

233-301 East Huntington Drive
Arcadia, California

June 2022 Figure B20

WATER ADDED AT 2.0 KSF



SAMPLE ID.	SOIL TYPE	DRY DENSITY (PCF)	INITIAL MOISTURE (%)	FINAL MOISTURE (%)
B4@17.5	Silty Sand (SM)	110.7	8.6	16.6

GEOCON

CONSOLIDATION TEST RESULTS

ASTM D-2435

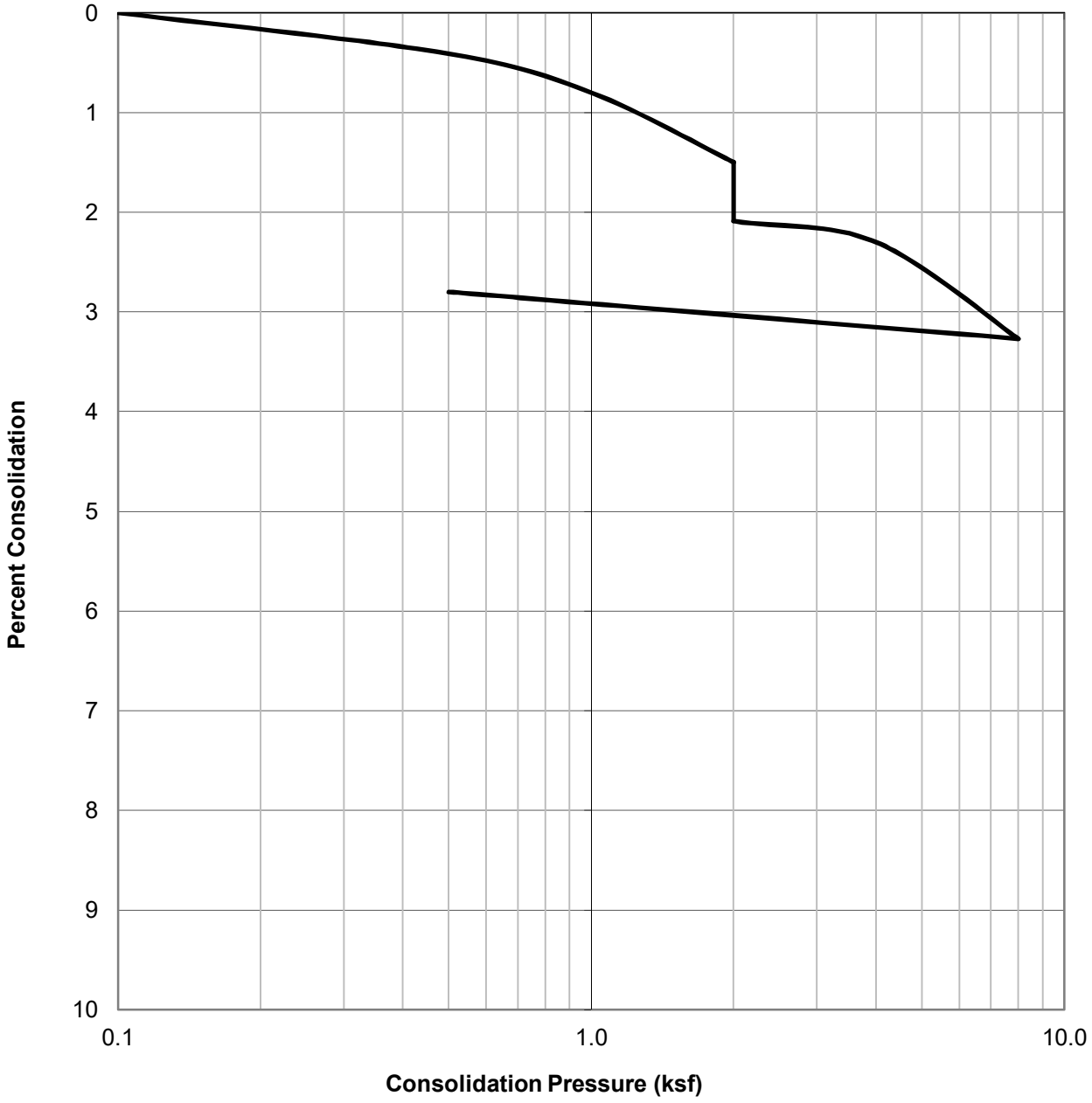
Checked by: PZ

Project No.: W1567-06-01

233-301 East Huntington Drive
Arcadia, California

June 2022 Figure B21

WATER ADDED AT 2.0 KSF



SAMPLE ID.	SOIL TYPE	DRY DENSITY (PCF)	INITIAL MOISTURE (%)	FINAL MOISTURE (%)
B4@20	Poorly Graded Sand (SP)	103.7	3.7	16.7

GEOCON

CONSOLIDATION TEST RESULTS

ASTM D-2435

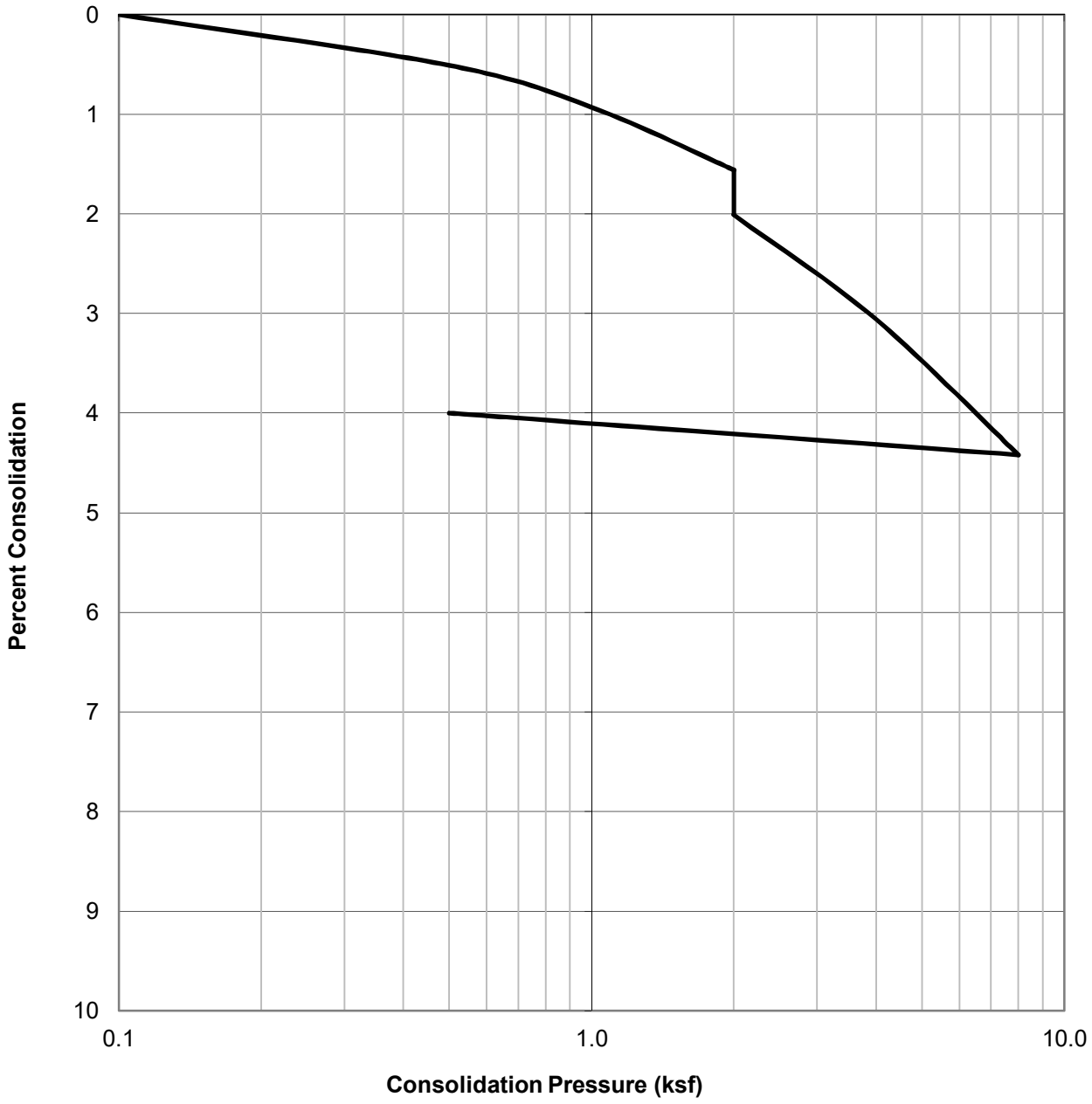
Checked by: PZ

Project No.: W1567-06-01

233-301 East Huntington Drive
Arcadia, California

June 2022 Figure B22

WATER ADDED AT 2.0 KSF



SAMPLE ID.	SOIL TYPE	DRY DENSITY (PCF)	INITIAL MOISTURE (%)	FINAL MOISTURE (%)
B4@30	Silty Sand (SM)	101.4	3.0	19.2

GEOCON

CONSOLIDATION TEST RESULTS

ASTM D-2435

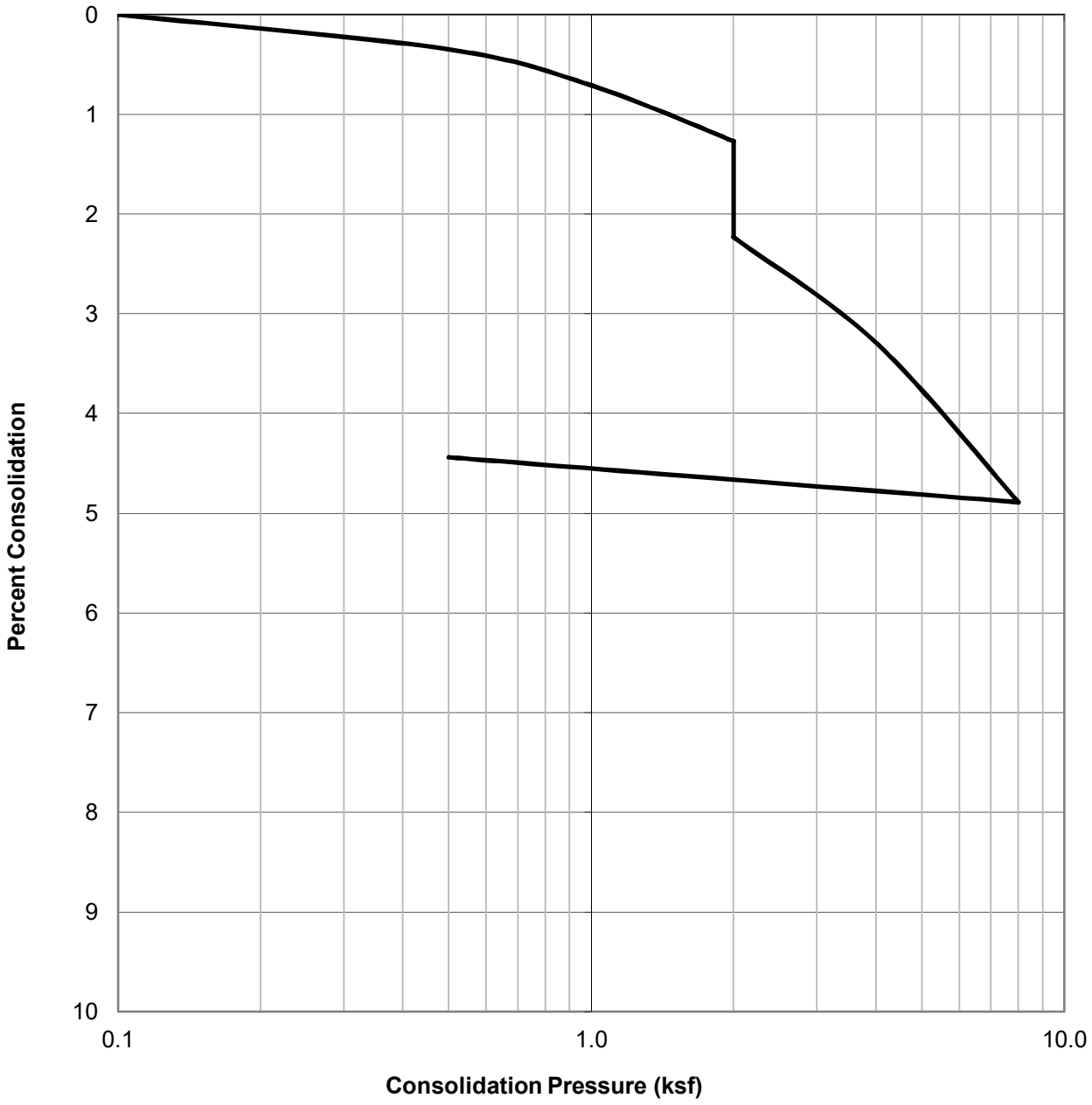
Checked by: PZ

Project No.: W1567-06-01

233-301 East Huntington Drive
Arcadia, California

June 2022 Figure B23

WATER ADDED AT 2.0 KSF



SAMPLE ID.	SOIL TYPE	DRY DENSITY (PCF)	INITIAL MOISTURE (%)	FINAL MOISTURE (%)
B4@35	Poorly Graded Sand (SP)	112.4	4.9	16.5

GEOCON

CONSOLIDATION TEST RESULTS

ASTM D-2435

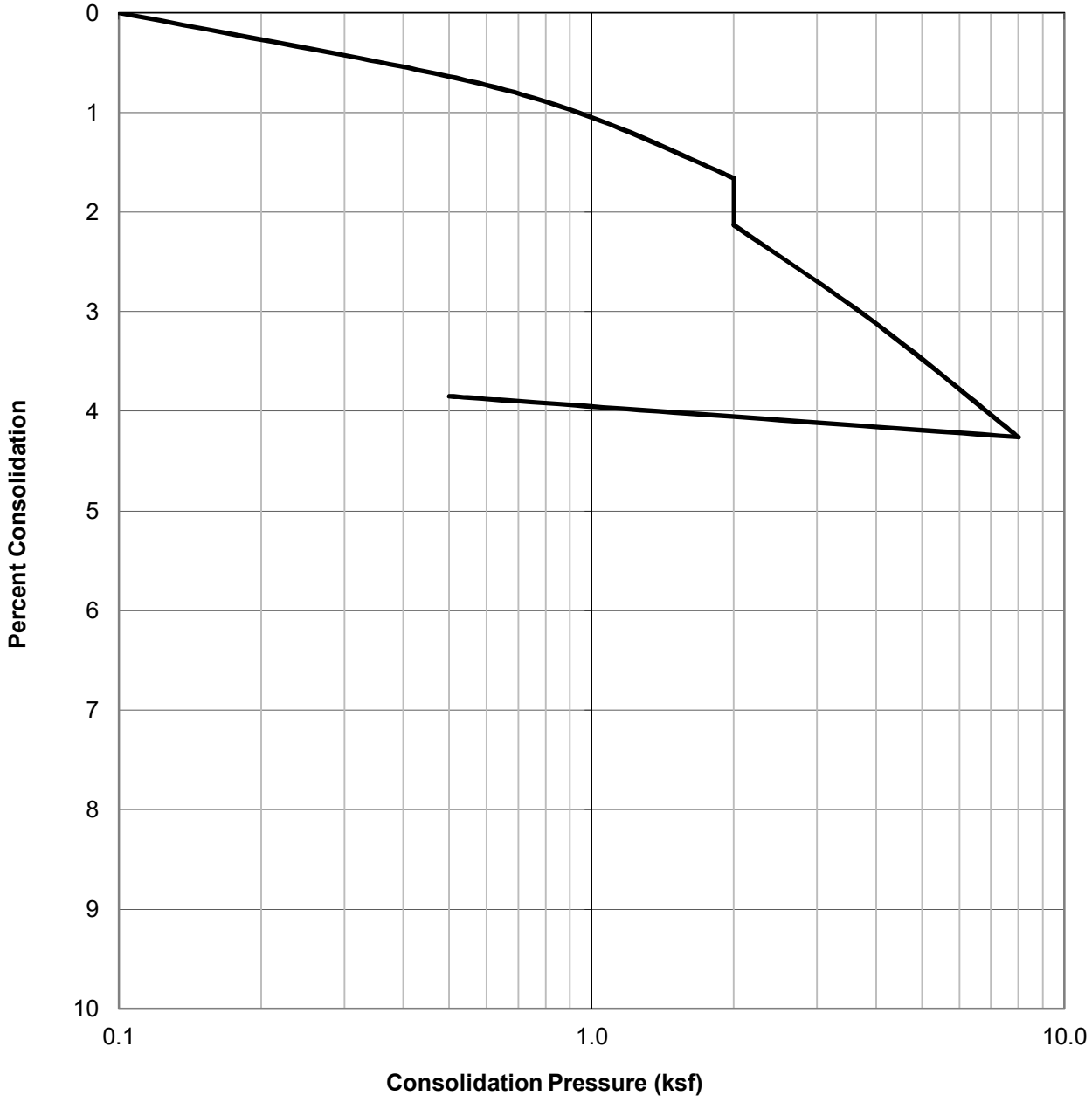
Checked by: PZ

Project No.: W1567-06-01

233-301 East Huntington Drive
Arcadia, California

June 2022 Figure B24

WATER ADDED AT 2.0 KSF



SAMPLE ID.	SOIL TYPE	DRY DENSITY (PCF)	INITIAL MOISTURE (%)	FINAL MOISTURE (%)
B5@13	Sand with Silt (SP-SM)	116.5	2.8	13.8

GEOCON

CONSOLIDATION TEST RESULTS

ASTM D-2435

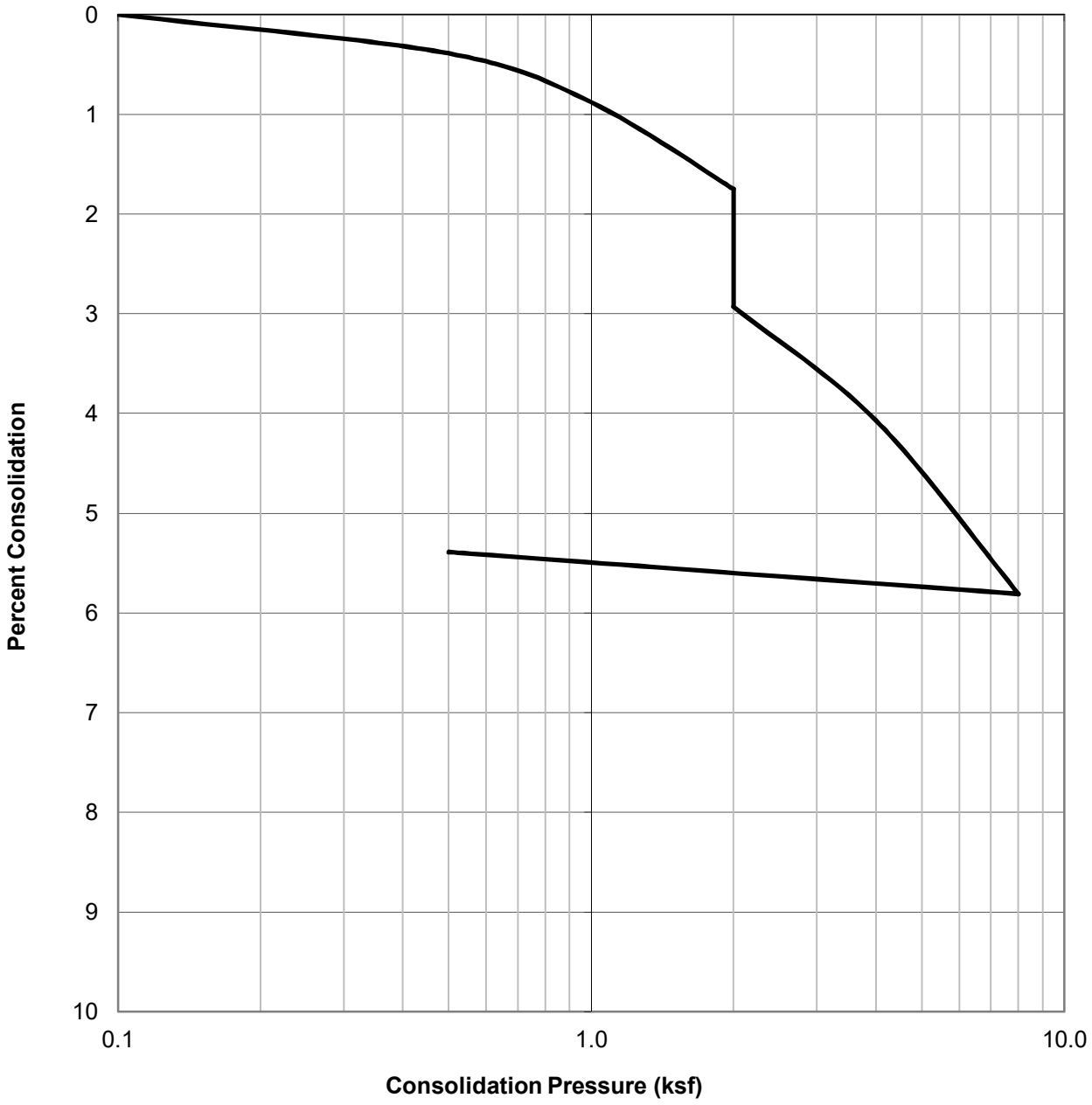
Checked by: PZ

Project No.: W1567-06-01

233-301 East Huntington Drive
Arcadia, California

June 2022 Figure B25

WATER ADDED AT 2.0 KSF



SAMPLE ID.	SOIL TYPE	DRY DENSITY (PCF)	INITIAL MOISTURE (%)	FINAL MOISTURE (%)
B5@25	Sand with Silt (SP-SM)	103.6	3.9	16.6

GEOCON

CONSOLIDATION TEST RESULTS

ASTM D-2435

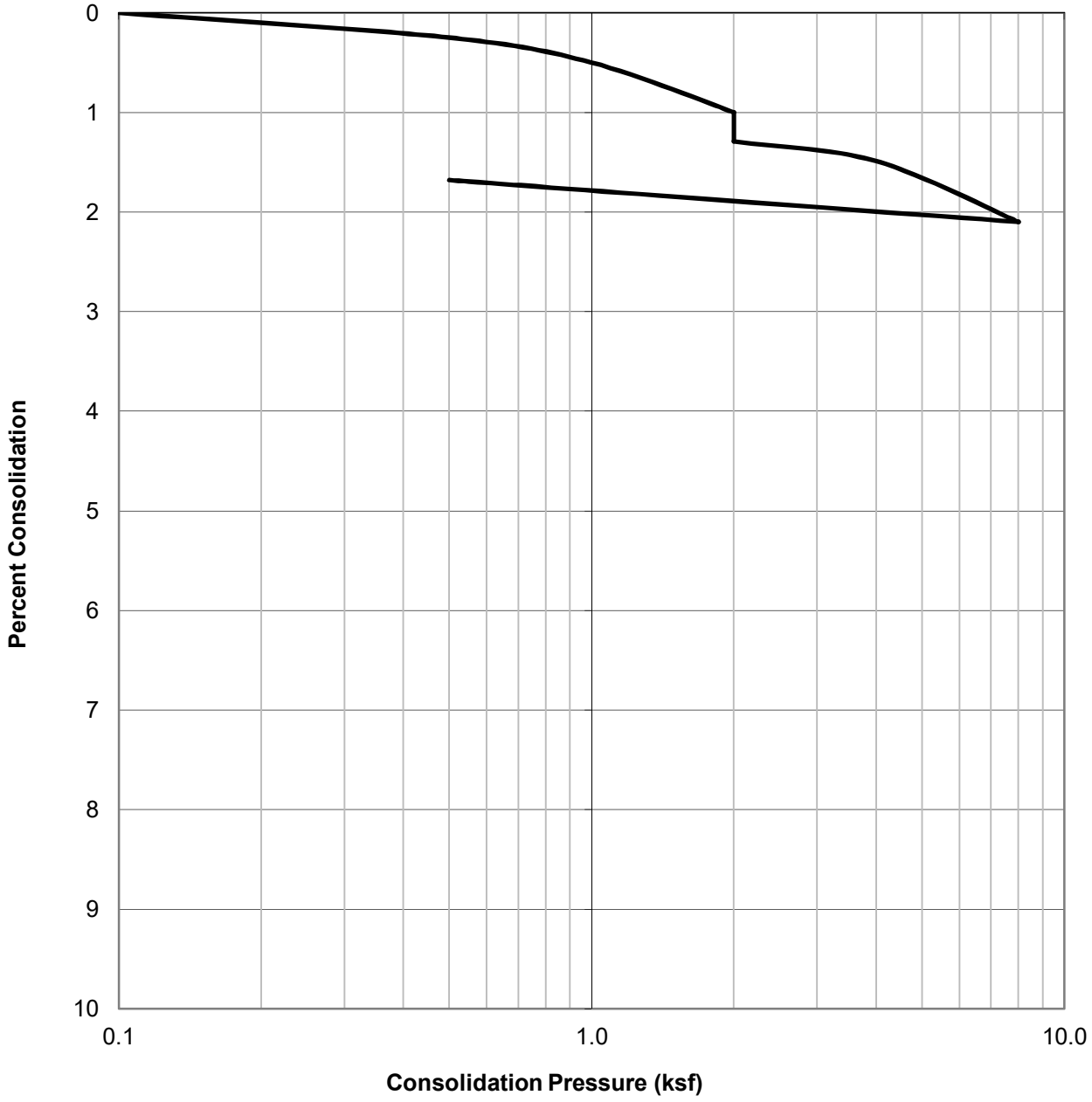
Checked by: PZ

Project No.: W1567-06-01

233-301 East Huntington Drive
Arcadia, California

June 2022 Figure B26

WATER ADDED AT 2.0 KSF



SAMPLE ID.	SOIL TYPE	DRY DENSITY (PCF)	INITIAL MOISTURE (%)	FINAL MOISTURE (%)
B5@35	Poorly Graded Sand (SP)	102.1	2.8	19.1

GEOCON

CONSOLIDATION TEST RESULTS

ASTM D-2435

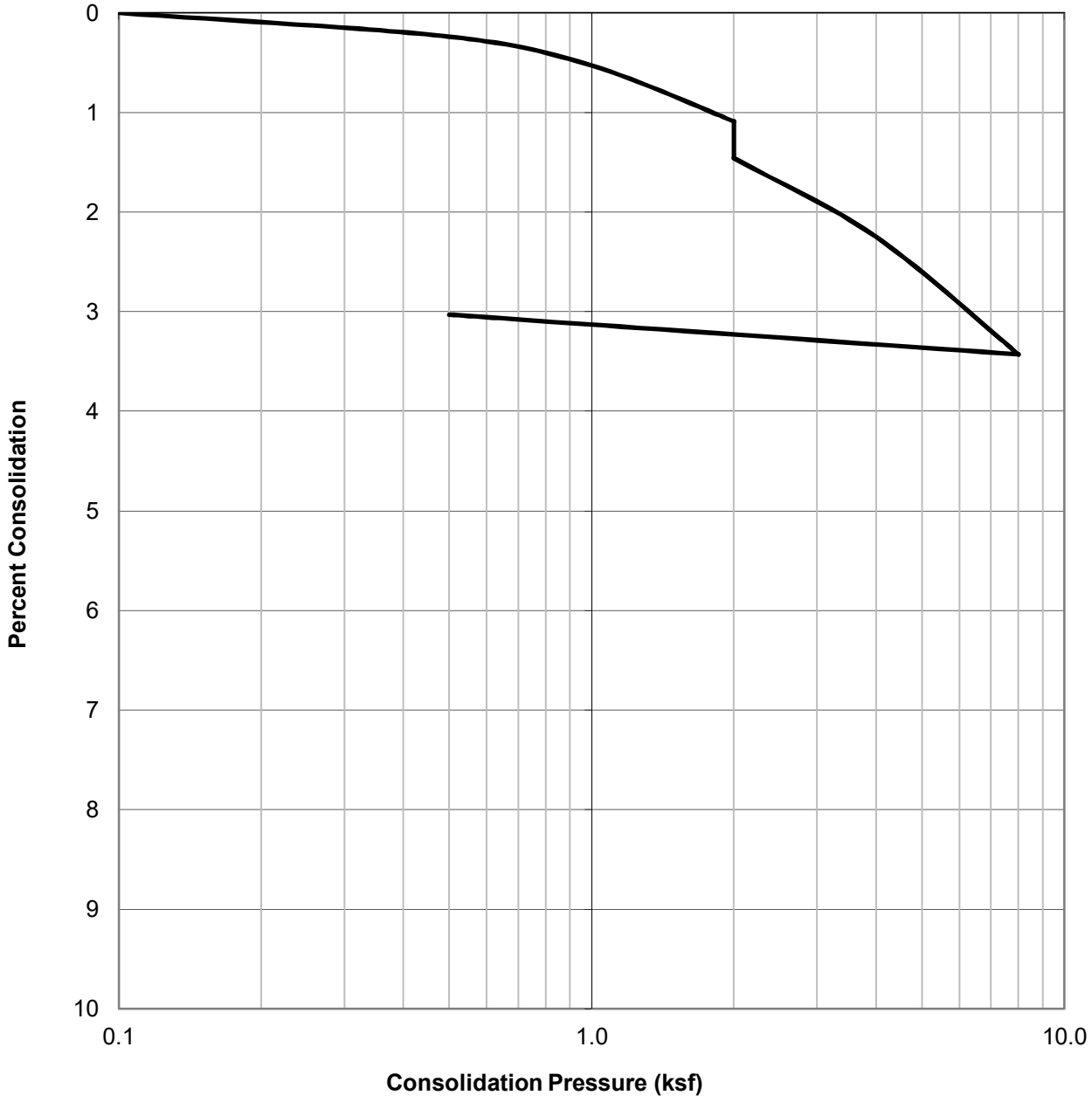
Checked by: PZ

Project No.: W1567-06-01

233-301 East Huntington Drive
Arcadia, California

June 2022 Figure B27

WATER ADDED AT 2.0 KSF



SAMPLE ID.	SOIL TYPE	DRY DENSITY (PCF)	INITIAL MOISTURE (%)	FINAL MOISTURE (%)
B5@45	Poorly Graded Sand (SP)	112.1	3.5	16.8

GEOCON

CONSOLIDATION TEST RESULTS

ASTM D-2435

Checked by: PZ

Project No.: W1567-06-01

233-301 East Huntington Drive
Arcadia, California

June 2022 Figure B28

SUMMARY OF LABORATORY
POTENTIAL OF HYDROGEN (pH) AND RESISTIVITY TEST RESULTS
AASHTO T289 ASTM D4972 and AASHTO T288 ASTM G187

Sample No.	pH	Resistivity (ohm centimeters)
B1+B3+B5@10-15'	8.9	18000 (Mildly Corrosive)

SUMMARY OF LABORATORY CHLORIDE CONTENT TEST RESULTS
AASHTO T291 ASTM C1218

Sample No.	Chloride Ion Content (%)
B1+B3+B5@10-15'	0.005

SUMMARY OF LABORATORY WATER SOLUBLE SULFATE TEST RESULTS
AASHTO T290 ASTM C1580

Sample No.	Water Soluble Sulfate (% SO_4)	Sulfate Exposure
B1+B3+B5@10-15'	0.000	S0

GEOCON

CORROSIVITY TEST RESULTS

Checked by: PZ

Project No.: W1567-06-01

233-301 East Huntington Drive
Arcadia, California

June 2022 Figure B29

Appendix E-2

CONFIDENTIAL

Vertebrate Paleontology Records Check, compiled by Dudek

Appendix F-1

Phase I ESA of 233 East Huntington Drive, prepared by Conservation Consulting International

PHASE I
ENVIRONMENTAL SITE ASSESSMENT

Elite Holdings & Associates, LLC
233 East Huntington Drive
Arcadia, California 91006
Bank of the West Project Number: 19-2253-02-1

Prepared for:

Bank of the West ERM
2527 Camino Ramon
San Ramon, California 94583

Prepared by:

CCI
CONSERVATION CONSULTING INTERNATIONAL

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(310) 373-0159 / Fax (310) 373-0179

CCI Project Number: CC2271-1
September 26, 2019

23840 Hawthorne Boulevard, Suite 100
Torrance, California 90505

CCI Project Number: CC2271-1
September 26, 2019

Ms. Georgina Dannatt
Bank of the West ERM
2527 Camino Ramon
San Ramon, California 94583

PHASE I ENVIRONMENTAL SITE ASSESSMENT
Elite Holdings & Associates, LLC
233 East Huntington Drive
Arcadia, California 91006

Dear Ms. Dannatt:

CCI is pleased to submit our report describing the findings of the Phase I Environmental Site Assessment (ESA) for 233 East Huntington Drive, Arcadia, Los Angeles County, California. This Phase I ESA was prepared in general accordance with the United States Environmental Protection Agency (US EPA) 40 CFR Part 312, Standards and Practices for All Appropriate Inquiries (AAI) and the American Society of Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (ASTM Designation: E1527-13).

The purpose of the Phase I ESA was to identify, to the extent feasible, recognized environmental concerns in connection with the Property. This assessment included a Property reconnaissance, a survey of adjacent sites, interviews with informed persons, and reviews of regulatory agency records, an environmental database report, geologic and hydrogeologic resources, and historical information.

It has been our pleasure in providing this Phase I ESA for your review. Should you have any questions concerning the information contained in the following report, please feel free to contact the undersigned at (310) 373-0159.

Respectfully submitted,
Conservation Consulting International

David A. Jonas
Project Manager

Ken Durand
President

TABLE OF CONTENTS

PAGE

1.0 EXECUTIVE SUMMARY 1
- 1.1 PROPERTY DESCRIPTION 1
- 1.2 FINDINGS AND OPINIONS 2
- 1.3 CONCLUSIONS 2
- 1.4 RECOMMENDATIONS 3

2.0 INTRODUCTION 4
- 2.1 OBJECTIVE 4
- 2.2 SCOPE OF SERVICES 4
- 2.3 DEVIATIONS 4
- 2.4 ADDITIONAL SERVICES 4
- 2.5 USER RELIANCE 5

3.0 PROPERTY DESCRIPTION 6
- 3.1 LOCATION AND LEGAL DESCRIPTION 6
- 3.2 PROPERTY DESCRIPTION 6
- 3.3 CURRENT PROPERTY USE 6
- 3.4 CURRENT USE OF ADJOINING SITES 6
- 3.5 PROPERTY UTILITIES 7
  - 3.5.1 POTABLE WATER 7
  - 3.5.2 SEWAGE DISPOSAL 7
  - 3.5.3 SOURCES OF HEATING AND COOLING 7
- 3.6 PHYSICAL SETTINGS SECTION 7
  - 3.6.1 SUBSURFACE DESCRIPTION 7
  - 3.6.2 SOIL CONDITIONS 7
  - 3.6.3 GROUNDWATER CONDITIONS 7

4.0 PROPERTY RECONNAISSANCE 8
- 4.1 PROPERTY DESCRIPTION 8
- 4.2 CURRENT PROPERTY USE 8
- 4.3 HAZARDOUS MATERIALS 8
- 4.4 UNDERGROUND STORAGE TANKS 8
- 4.5 ABOVEGROUND STORAGE TANKS 8
- 4.6 SUMPS, CLARIFIERS, AND FLOOR DRAINS 9
- 4.7 POLYCHLORINATED BIPHENYLS 9

5.0 HISTORICAL REVIEW 10
- 5.1 SUMMARY OF PROPERTY USE 10
- 5.2 AERIAL PHOTOGRAPH REVIEW 10
- 5.3 STREET DIRECTORY REVIEW 13
- 5.4 SANBORN FIRE INSURANCE MAP REVIEW 14
- 5.5 TOPOGRAPHIC MAP REVIEW 14
- 5.6 OTHER HISTORICAL DOCUMENTS 14
- 5.7 PREVIOUS ENVIRONMENTAL REPORTS 15

6.0 INTERVIEWS 16
- 6.1 INTERVIEWS WITH PAST AND PRESENT OWNERS/OCCUPANTS 16
- 6.2 INTERVIEWS WITH ADJACENT SITE OWNERS/OCCUPANTS 16

7.0 RECORDS REVIEW 17
- 7.1 ENVIRONMENTAL DATABASE REPORT 17
- 7.2 REGULATORY AGENCY CONTACTS 23
- 7.3 SOIL VAPOR SCREENING 24

8.0 USER PROVIDED INFORMATION 25
8.1 TITLE RECORDS 25
8.2 ENVIRONMENTAL LIENS OR ACTIVITY USE LIMITATIONS 25
8.3 SPECIALIZED KNOWLEDGE 25
8.4 VALUE REDUCTION FOR ENVIRONMENTAL ISSUES 25
9.0 NON-SCOPE ASTM ITEMS 26
9.1 ASBESTOS-CONTAINING MATERIALS 26
9.2 LEAD-BASED PAINT 26
9.3 RADON GAS EVALUATION 26
9.4 MOLD OBSERVATIONS 27
10.0 DATA GAPS 28
11.0 FINDINGS AND OPINIONS 29
12.0 CONCLUSIONS AND RECOMMENDATIONS 30
12.1 CONCLUSIONS 30
12.2 RECOMMENDATIONS 30
13.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS 31
14.0 REFERENCES 32
15.0 LIMITATIONS 33

APPENDICES

Appendix A - Figures
Appendix B - Photographs
Appendix C - Tables
Appendix D - Legal Identification Records
Appendix E - Historical Documentation
Appendix F - Environmental Database Report
Appendix G - Regulatory Documentation
Appendix H - Previous Environmental Reports
Appendix I - Non-ASTM Scope Documentation
Appendix J - Professional Qualifications

1.0 EXECUTIVE SUMMARY

This Phase I Environmental Site Assessment (ESA) was completed by CCI at the request of Bank of the West for 233 East Huntington Drive, Arcadia, Los Angeles County, California (Property). The Property location is shown on Figure 1 - Property Location Map. The Phase I ESA was generally conducted according to the guidelines of ASTM Standard Practice of Environmental Site Assessments (E 1527-13) and the US EPA 40 CFR Part 312, Standards and Practices for All Appropriate Inquiries (AAI).

The purpose of the Phase I ESA was to identify, to the extent feasible, recognized environmental conditions in connection with the Property. This assessment included a Property reconnaissance, a survey of adjacent sites, interviews with informed persons, and reviews of regulatory agency records, an environmental database report, geologic and hydrogeologic resources, and historical information.

1.1 PROPERTY DESCRIPTION

The Property is approximately 1.34 acres in area and has been developed with one building approximately 6,670 square-feet in size. The wood-framed and brick building was constructed on the Property in approximately 1927. The building consists of a restaurant on the ground level with a small apartment on the second level. The apartment is currently being used for storage. The restaurant includes dining areas, a bar, restrooms, a kitchen, an employee locker room, and a small office. There is a storage enclosure adjacent to the east side of the building which includes a kitchen grease container, cleaning chemicals, and the municipal trash bin. There is also an in-ground grease trap located adjacent to the east side of the building. The building is located on the southeast portion of the Property. There are asphalt-paved parking areas on the southwest and north portions of the Property. One driveway off of Huntington Drive provides vehicular-access to the Property.

The Property has been occupied by The Derby Restaurant since approximately 1927. The general area surrounding the Property consists of hotels, restaurants, and retail businesses.

Address:	233 East Huntington Drive, Arcadia, Los Angeles County, California
Assessor's Parcel Numbers:	5773-009-070
Nature of Property Use:	Retail - Commercial - Restaurant
Number of Buildings:	One building
Date of Construction:	1927
Type of Construction:	Wood-frame and brick building
Property Size:	1.34 acres
Building Size:	6,670 square-feet
Current Occupants:	The Derby Restaurant

1.2 FINDINGS AND OPINIONS

The Property is occupied by The Derby Restaurant. The Derby Restaurant has occupied the Property since approximately 1927. One in-ground grease trap was observed on the Property. The grease trap is located adjacent to the east side of the building. Floor drains inside the kitchen area of the building connect to the grease trap. The grease trap discharges to the local municipal sewer system. The operation of the grease trap is not suspected of having adversely impacted the subsurface environment beneath the Property.

A gasoline station operated adjacent to the east of the Property between approximately 1938 and 1964. During this time period, there was a road (North 3rd Avenue) located between the Property and the former gasoline station site. The former gasoline station site is not reported as being a leaking underground storage tank (LUST) site. CCI did not find information which indicated that this site has adversely impacted the subsurface environment beneath the Property. Based on an expected southerly-southeasterly groundwater flow direction, the site is located in a cross-gradient groundwater flow direction of the Property.

Several commercial/industrial buildings were located adjacent to the west of the Property during the 1950s through 1970s. The westerly-adjacent site is currently occupied by an Embassy Suites hotel and associated parking lot. Historical city directories suggest potential former occupants of the westerly-adjacent sites included Arcadia City Refuse Service (1957 - 1966), Modern Insulation (1950), Nottingham M C Co. Chemical Toilets (1950), and Baker Septic Tank Co. (1950). Regulatory evidence was not found which would indicate that the subsurface environmental quality of the Property has been adversely impacted by former operations on the westerly-adjacent sites.

1.3 CONCLUSIONS

A *recognized environmental condition* (REC) refers to the presence or likely presence of any hazardous substances or petroleum products in, on, or at a Property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. The term REC is not intended to include "de minimis" conditions that do not present a threat to human health and/or the environment. This assessment did not reveal evidence of RECs in connection with the Property.

A *historical recognized environmental condition* (HREC) refers to a past release of any hazardous substances or petroleum products that has occurred in connection with the Property and has been addressed to the satisfaction of the applicable regulatory authority of meeting unrestricted residential use criteria established by a regulatory authority, without subjecting the Property to any required controls. This assessment did not reveal evidence of HRECs in connection with the Property.

A *controlled recognized environmental condition* (CREC) refers to a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls. This assessment did not reveal evidence of CRECs in connection with the Property.

1.4 RECOMMENDATIONS

This assessment has not revealed evidence of recognized environmental conditions or environmental issues in connection with the Property. Based on the results of this assessment, CCI does not recommend additional assessment at this time.

2.0 INTRODUCTION

Bank of the West engaged CCI to conduct a Phase I ESA of the Property located at 233 East Huntington Drive, Arcadia, Los Angeles County, California. This assessment was prepared in general accordance with ASTM Standard Practice of Environmental Site Assessments (E1527-13) and the US EPA 40 CFR Part 312, Standards and Practices for AAI. Any exceptions to, or deletions from, this scope of work are described in the report.

2.1 OBJECTIVE

The objective of this Phase I ESA was to perform an appropriate inquiry into the uses of the Property as outlined by the ASTM Standard Practice of Environmental Site Assessments (E1527-13) and the US EPA 40 CFR Part 312, Standards and Practices for AAI, and to identify, to extent feasible, *recognized environmental conditions* (RECs) in connection with the Property that potentially have and/or may cause an adverse environmental impact to the Property.

2.2 SCOPE OF SERVICES

The scope of work for this assessment was in general accordance with the ASTM Standard Practice for Environmental Site Assessments (E 1527-13) and the US EPA 40 CFR Part 312, Standards and Practices for AAI. These methodologies are described as representing good commercial and customary practice for conducting an ESA for the purpose of identifying recognized environmental conditions. This assessment included a Property reconnaissance, a survey of adjacent sites, interviews with informed persons, a review of regulatory agency records, a review of an environmental database report, a review of geologic and hydrogeologic resources, and a review of historical resources such as aerial photographs, Sanborn Fire Insurance Maps, topographic maps, and city directories.

2.3 DEVIATIONS

Except for the limitations and exceptions discussed in Section 15.0, this Phase I ESA generally complies with the ASTM Standard 1527-13 and the US EPA 40 CFR Part 312, Standards and Practices for AAI.

2.4 ADDITIONAL SERVICES

No additional services beyond the scope of work of the ASTM Standard 1527-13 and the US EPA 40 CFR Part 312, Standards and Practices for AAI were conducted as part of this assessment.

2.5 USER RELIANCE

This report may be distributed and relied upon by Bank of the West, its successors and assigns. Reliance on the information and conclusions of this report by any other person or entity is not authorized without the written consent of CCI. This report is not a legal opinion and does not offer warranties or guarantees.

3.0 PROPERTY DESCRIPTION

3.1 LOCATION AND LEGAL DESCRIPTION

The Property is located at 233 East Huntington Drive, Arcadia, Los Angeles County, California, and is legally described by its assessor's parcel number (APN) 5773-009-070.

3.2 PROPERTY DESCRIPTION

The Property is approximately 1.34 acres in area and has been developed with one building approximately 6,670 square-feet in size. The wood-framed and brick building was constructed on the Property in approximately 1927. The building consists of a restaurant on the ground level with a small apartment on the second level. The apartment is currently being used for storage. The restaurant includes dining areas, a bar, restrooms, a kitchen, an employee locker room, and a small office. There is a storage enclosure adjacent to the east side of the building which includes a kitchen grease container, cleaning chemicals, and the municipal trash bin. There is also an in-ground grease trap located adjacent to the east side of the building. The building is located on the southeast portion of the Property. There are asphalt-paved parking areas on the southwest and north portions of the Property. One driveway off of Huntington Drive provides vehicular-access to the Property (Refer to Photographs 1 - 19, located in Appendix B - Property Photographs).

3.3 CURRENT PROPERTY USE

The Property is currently occupied by The Derby Restaurant. The Derby Restaurant has occupied the Property since approximately 1927.

3.4 CURRENT USE OF ADJOINING SITES

The Property is located adjacent to the north side of East Huntington Drive and to the east of the intersection of East Huntington Drive and 2nd Avenue. The general area surrounding the Property consists of hotels, restaurants, and retail businesses. The following sites are located adjacent to the Property:

North:	Hampton Inn
East:	Soup Plantation and Hampton Inn
South:	East Huntington Drive followed by a multi-tenant commercial/retail building
West:	Embassy Suites

3.5 PROPERTY UTILITIES

3.5.1 POTABLE WATER

Potable water is provided to the Property by the local municipal water supplier.

3.5.2 SEWAGE DISPOSAL

Sewage disposal is provided for the Property by the local municipal sewer service.

3.5.3 SOURCES OF HEATING AND COOLING

Sources of heating and cooling energy are provided to the Property by Southern California Edison (SCE) and Southern California Gas Company (SoCalGas).

3.6 PHYSICAL SETTINGS SECTION

3.6.1 SURFACE DESCRIPTION

The Property is relatively level. The general slope in the area of the Property is to the south-southeast. The Property lies approximately 483-feet above mean sea level. The nearest surface body of water is the Santa Anita Wash which is located approximately 500-feet to the northeast of the Property.

3.6.2 SOIL CONDITIONS

According to the environmental database Geocheck® - Physical Source Setting Section, the soil beneath the Property is described as Urban Land.

3.6.3 GROUNDWATER CONDITIONS

Based on Los Angeles County Department of Public Works (LACoDPW) groundwater wells in the area of the Property, the depth to groundwater beneath the Property is expected to be at least 200-feet below ground surface (bgs). Based on the local topography, the groundwater flow direction in the area of the Property is anticipated to be to the south-southeast.

4.0 PROPERTY RECONNAISSANCE

CCI performed a walking survey of the Property on September 13, 2019, accompanied by the manager of The Derby Restaurant. The Property was observed for conditions and land uses that may have an affect on the environmental quality of the Property. CCI observed the Property for evidence of facilities such as aboveground and underground storage tanks, electrical transformers, ponds, pits, sumps, waste storage containers, drums or any other facilities where hazardous materials could be stored, disposed of, or dispensed. CCI also observed the Property for evidence of surface staining, stressed vegetation, and chemical odors which may be of concern regarding adverse environmental impacts to the Property.

4.1 PROPERTY DESCRIPTION

The Property is approximately 1.34 acres in area and has been developed with one building approximately 6,670 square-feet in size. The wood-framed and brick building was constructed on the Property in approximately 1927. The building consists of a restaurant on the ground level with a small apartment on the second level. The apartment is currently being used for storage. The restaurant includes dining areas, a bar, restrooms, a kitchen, an employee locker room, and a small office. There is a storage enclosure adjacent to the east side of the building which includes a kitchen grease container, cleaning chemicals, and the municipal trash bin. There is also an in-ground grease trap located adjacent to the east side of the building. The building is located on the southeast portion of the Property. There are asphalt-paved parking areas on the southwest and north portions of the Property. One driveway off of Huntington Drive provides vehicular-access to the Property (Refer to Photographs 1 - 19, located in Appendix B - Property Photographs).

4.2 CURRENT PROPERTY USE

The Property is currently occupied by The Derby Restaurant. The Derby Restaurant has occupied the Property since approximately 1927.

4.3 HAZARDOUS MATERIALS

Hazardous materials, other than common cleaning chemicals, were not observed at the Property. The cleaning chemicals were stored within the enclosure located adjacent to the east side of the building.

4.4 UNDERGROUND STORAGE TANKS

CCI did not observe evidence of underground storage tanks (USTs) on the Property.

4.5 ABOVEGROUND STORAGE TANKS

CCI did not observe evidence of aboveground storage tanks (ASTs) on the Property.

4.6 SUMPS, CLARIFIERS, AND FLOOR DRAINS

One in-ground grease trap was observed on the Property. The grease trap is located adjacent to the east side of the building. Floor drains inside the kitchen area of the building connect to the grease trap. The grease trap discharges to the local municipal sewer system.

4.7 POLYCHLORINATED BIPHENYLS

Electrical transformers, hydraulic equipment, capacitors, fluorescent light fixtures and similar electrical equipment may contain polychlorinated biphenyls (PCBs) in the hydraulic fluids and/or dielectric insulation liquids present within the unit. The federal Toxic Substances Control Act (TSCA) generally prohibits the domestic manufacture of PCBs after 1979. However there is a potential for equipment manufactured and/or constructed before that date to contain PCBs and current regulations do not require PCB containing equipment to be removed from service.

One pad-mounted transformer is present on the Property. Based on the age of the transformer, it is considered possible that this transformer contains PCBs. However, SCE has indicated to CCI that their transformers in the area do not contain PCBs.

5.0 HISTORICAL REVIEW

The purpose of reviewing historical sources is to develop a history of the previous uses of the Property and surrounding areas in order to help identify the likelihood of past uses having led to recognized environmental conditions in connection with the Property. Historical sources reviewed by CCI for this Phase I ESA included aerial photographs, street directories, Sanborn Fire Insurance maps, and topographic maps and are summarized in the following sections.

5.1 SUMMARY OF PROPERTY USE

The Property building appears to have been constructed originally in 1927. A restaurant has operated on the Property since approximately 1927. The Property appears to have consisted of undeveloped land prior to 1927. Between approximately 1952 and 1981, residential structures appeared to be developed on the north portion of the Property. Historical city directory listings indicated residential occupants at addresses on North 3rd Avenue between the 1950s and 1980s. North 3rd Avenue appears to have been the former road adjacent to the east of the Property. By 1989, this portion of the Property consisted of the current parking lot.

A gasoline station operated adjacent to the east of the Property between approximately 1938 and 1964. During this time period, there was a road (North 3rd Avenue) located between the Property and the former gasoline station site. The former gasoline station site is not reported as being a LUST site. CCI did not find information which indicated that this site has adversely impacted the subsurface environment beneath the Property. Based on an expected southerly-southeasterly groundwater flow direction, the site is located in a cross-gradient groundwater flow direction of the Property.

Several commercial/industrial buildings were located adjacent to the west of the Property during the 1950s through 1970s. The westerly-adjacent site is currently occupied by an Embassy Suites hotel and associated parking lot. Historical city directories suggest potential former occupants of the westerly-adjacent sites included Arcadia City Refuse Service (1957 - 1966), Modern Insulation (1950), Nottingham M C Co. Chemical Toilets (1950), and Baker Septic Tank Co. (1950). Regulatory evidence was not found which would indicate that the subsurface environmental quality of the Property has been adversely impacted by former operations on the westerly-adjacent sites.

5.2 AERIAL PHOTOGRAPH REVIEW

Historical aerial photographs of the Property were reviewed for the years 1928, 1938, 1952, 1954, 1964, 1972, 1979, 1981, 1989, 1994, 2002, 2005, 2009, 2012, and 2016. The following table summarizes the descriptions of the Property and the surrounding areas of the Property as observed in the aerial photographs:

AERIAL PHOTOGRAPHS		
Year	Source	Description
1928	FAIR	**Property:** Two structures appeared to be developed on the Property. The north portion of the Property appeared to be undeveloped.
		Surrounding Areas: Huntington Drive was located adjacent to the south of the Property. A dirt road (North 3rd Avenue) was located adjacent to the east of the Property. The surrounding areas of the Property consisted of undeveloped land, residential sites, commercial sites, railroad tracks, and the Santa Anita Wash.
1938	USDA	**Property:** Two structures appeared to be developed on the Property. The north portion of the Property appeared to be undeveloped.
		Surrounding Areas: Huntington Drive was located adjacent to the south of the Property. A dirt road (North 3rd Avenue) was located adjacent to the east of the Property. The surrounding areas of the Property consisted of undeveloped land, residential sites, commercial sites, railroad tracks, and the Santa Anita Wash. A gasoline station appeared to be developed adjacent to the east of the Property on the opposite side of the dirt road.
1952	USGS	**Property:** Two structures appeared to be developed on the south portion of the Property. Residential structures appeared to be developed on the north portion of the Property.
		Surrounding Areas: Huntington Drive was located adjacent to the south of the Property. A dirt road (North 3rd Avenue) was located adjacent to the east of the Property. The surrounding areas of the Property consisted of undeveloped land, residential sites, commercial sites, industrial sites, railroad tracks, and the Santa Anita Wash. A gasoline station appeared to be developed adjacent to the east of the Property on the opposite side of the dirt road.
1954	USDA	The Property and surrounding areas were developed similar to that observed in the 1952 aerial photograph.
1964	USGS	**Property:** The Property was developed with a building which appeared to fit the footprint of the current Property building. In addition, residential structures appeared to be developed on the north portion of the Property.
		Surrounding Areas: Huntington Drive was located adjacent to the south of the Property. A paved road (North 3rd Avenue) was located adjacent to the east of the Property. The surrounding areas of the Property consisted of residential sites, commercial sites, industrial sites, railroad tracks, and the Santa Anita Wash. A gasoline station appeared to be developed adjacent to the east of the Property on the opposite side of the paved road.
1972	EDR	**Property:** The Property was developed with a building which appeared to fit the footprint of the current Property building. In addition, residential structures appeared to be developed on the north portion of the Property.

		Surrounding Areas: Huntington Drive was located adjacent to the south of the Property. North 3rd Avenue was located adjacent to the east of the Property. The surrounding areas of the Property consisted of residential sites, commercial sites, industrial sites, railroad tracks, and the Santa Anita Wash. The gasoline station to the east of the Property on the opposite side of the paved road had been demolished.
1979	EDR	**Property:** The Property was developed with a building which fit the footprint of the current Property building. In addition, residential structures appeared to be developed on the north portion of the Property.
		Surrounding Areas: Huntington Drive was located adjacent to the south of the Property. North 3rd Avenue was located adjacent to the east of the Property. The surrounding areas of the Property consisted of undeveloped land, residential sites, commercial sites, railroad tracks, and the Santa Anita Wash. The structures adjacent to the west of the Property had been demolished.
1981	EDR	The Property and surrounding areas were developed similar to that observed in the 1979 aerial photograph.
1989	USDA	**Property:** The Property was developed with a building which fit the footprint of the current Property building. The residential structures on the north portion of the Property had been demolished. This area was now an asphalt-paved parking lot.
		Surrounding Areas: Huntington Drive was located adjacent to the south of the Property followed by the current multi-tenant retail building and railroad tracks. The current restaurant building was located adjacent to the east of the Property followed by undeveloped land. Hotels were developed on the surrounding areas to the north and west of the Property.
1994	USGS/DOQQ	**Property:** The Property was developed with a building which fit the footprint of the current Property building.
		Surrounding Areas: Huntington Drive was located adjacent to the south of the Property followed by the current multi-tenant retail building and railroad tracks. The current restaurant building was located adjacent to the east of the Property followed by the current restaurant and retail buildings. Hotels were developed on the surrounding areas to the north and west of the Property. The surrounding areas of the Property were developed similar to that observed during the site walk conducted for this Phase I ESA.
2002	USDA	The Property and surrounding areas were developed similar to that observed in the 1994 aerial photograph and similar to that observed during the site walk conducted for this Phase I ESA.
2005	USDA/NAIP	The Property and surrounding areas were developed similar to that observed in the 2002 aerial photograph and similar to that observed during the site walk conducted for this Phase I ESA.
2009	USDA/NAIP	The Property and surrounding areas were developed similar to that observed in the 2005 aerial photograph and similar to that observed during the site walk conducted for this Phase I ESA.
2012	USDA/NAIP	The Property and surrounding areas were developed similar to that observed in the 2009 aerial photograph and similar to that observed during the site walk conducted for this Phase I ESA.

2016	USDA/NAIP	The Property and surrounding areas were developed similar to that observed in the 2012 aerial photograph and similar to that observed during the site walk conducted for this Phase I ESA.

5.3 STREET DIRECTORY REVIEW

Historical business directories including city, cross reference, and telephone directories were reviewed as generated by Environmental Data Resources (EDR). The following table describes the listings for the Property and select adjacent sites of the Property:

CITY DIRECTORIES	
Year	Listing
1950	**Property:** The Derby Restaurant
	Adjacent East: Putman A E Serv Stn
1957	**Property:** The Derby Restaurant
	Adjacent East: Lowell & Stout Union Serv **Adjacent South:** Guy S Friendly Service, Santa Anita Auto Body
1960	**Property:** The Derby Restaurant
	Adjacent East: Union Oil Dealers and Lowell & Stout Union Serv **Adjacent South:** Santa Anita Auto Body
1966	**Property:** The Derby Restaurant
	Adjacent East: Arcadia Motors **Adjacent South:** Arcadia Muffler Service, Arcadia Towing,
1975	**Property:** The Derby Restaurant
	Adjacent South: Arcadia Muffler Service, Guy S Friendly Service, Santa Anita Auto Body
1980	**Property:** The Derby Restaurant
	Adjacent South: Arcadia Muffler Service, Santa Anita Auto Body
1985	**Property:** The Derby Restaurant
	Adjacent South: Arcadia Muffler Service, Santa Anita Auto Body
1995	**Property:** The Derby Restaurant
2006	**Property:** The Derby
2010	**Property:** Derby Restaurants Inc
2014	**Property:** Derby Restaurants Inc

5.4 SANBORN FIRE INSURANCE MAP REVIEW

Historical Sanborn Fire Insurance Maps were not found for the area of the Property.

5.5 TOPOGRAPHIC MAP REVIEW

Topographic maps were reviewed to document the prior uses of the Property and surrounding area. United States Geological Survey (USGS) produced maps were available for the years 1894, 1897, 1904, 1928, 1933, 1941, 1953, 1966, 1972, 1991, 1994, 1995, and 2012. The following table summarizes the descriptions of the Property as observed in the Topographic Maps:

TOPOGRAPHIC MAPS	
Year	Description
1894	The map did not identify structures on the Property.
1897	The map did not identify structures on the Property.
1904	The map did not identify structures on the Property.
1928	The map appeared to identify one structure on the Property.
1933	The Property was not in the mapped area.
1941	The map appeared to identify one structure on the Property.
1953	The map was color-shaded indicating urban development.
1966	The map was color-shaded indicating urban development.
1972	The map was color-shaded indicating urban development.
1991	The map was color-shaded indicating urban development.
1994	The map was color-shaded indicating urban development.
1995	The map did not identify structures on the Property.
2012	The map did not identify structures on the Property.

5.6 OTHER HISTORICAL DOCUMENTS

CCI requested the Arcadia Building Department (ABD) building permit records for the Property through a public records request submitted to the Arcadia City Clerk. A response to this public records request is pending. If information is found at this agency which changes the conclusions and/or recommendations of this Phase I ESA, CCI will prepare an addendum letter summarizing our findings.

5.7 PREVIOUS ENVIRONMENTAL REPORTS

Previous environmental reports were not found for the Property.

6.0 INTERVIEWS

6.1 INTERVIEWS WITH PAST AND PRESENT OWNERS/OCCUPANTS

CCI interviewed Mr. Dustin Nicolarsen, the site contact, for this Phase I ESA. According to Mr. Nicolarsen, The Derby Restaurant has occupied the Property since 1922. Mr. Nicolarsen indicated that a grease trap operates on the Property and that hazardous materials are not used on the Property. Mr. Nicolarsen was unaware of any environmental issues associated with the Property.

6.2 INTERVIEWS WITH ADJACENT SITE OWNERS/OCCUPANTS

CCI did not interview adjacent site owners/occupants for this Phase I ESA. The Property is currently developed. ASTM E1527-13 standards indicate that interviews of adjacent site owners/occupants are necessary when the subject site is abandoned or if there is evidence of unauthorized uses or uncontrolled access to the Property.

7.0 RECORDS REVIEW

7.1 ENVIRONMENTAL DATABASE REPORT

Environmental Data Resources (EDR) provided a list of sites within designated distances of the Property that are listed by regulatory agencies. EDR has also provided a map of these sites, which can be found in Appendix F - Environmental Database Report.

SUMMARY OF FEDERAL, STATE, AND TRIBAL DATABASE FINDINGS			
Regulatory Database	Minimum Search Distance	Property Listed	# of Sites Listed
Federal National Priority List (NPL)	1 mile	No	0
Federal Delisted NPL	1 mile	No	0
Federal Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) List	½ mile	No	1
Federal CERCLIS No Further Remedial Action Planned (NFRAP)	½ mile	No	0
Federal Resource Conservation and Recovery Act (RCRA) Generators	¼ mile	No	9
RCRA NonGen/NLR	¼ mile	No	19
Federal RCRA Corrective Action Facilities (CORRACTS)	1 mile	No	0
Federal RCRA Treatment, Storage, and Disposal Facilities (TSD)	½ mile	No	0
Federal Institutional Control/Engineering Control Registry	½ mile	No	0
State and Tribal Leaking Underground Storage Tank (LUST) Sites	½ mile	No	5
State and Tribal Underground Storage Tank (UST) Sites	¼ mile	No	2
State and Tribal Aboveground Storage Tank (AST) Sites	¼ mile	No	0
CA FID UST	¼ mile	No	2
HIST UST	¼ mile	No	12
SWEEPS UST	¼ mile	No	8
CERS TANKS	¼ mile	No	2
State and Tribal Voluntary Cleanup Sites	½ mile	No	0
Brownfields Sites	½ mile	No	0
SLIC	½ mile	No	0
State and Tribal Landfill Sites	½ mile	No	0

WMUDS/SWAT	½ mile	No	1
AOCONCERN	1 mile	No	1
CERS HAZ WASTE	¼ mile	No	5
RESPONSE	1 mile	No	1
ENVIROSTOR	1 mile	No	4
CHMIRS	⅛ mile	No	1
FUD	1 mile	No	1
FINDS	⅛ mile	No	1
Cortese	½ mile	No	1
DRYCLEANERS	¼ mile	No	1
LA Co. Site Mitigation	⅛ mile	Yes	1
WDS	⅛ mile	No	1
CERS	⅛ mile	No	1
HIST Cal-Sites	½ mile	No	0
HIST CORTESE	½ mile	No	3
EDR MGP	1 mile	No	0
EDR Hist Auto	¼ mile	No	4
EDR Hist Cleaner	¼ mile	No	1
Federal Emergency Response Notification System (ERNS) List	⅛ mile	No	0
HAZNET	⅛ mile	No	0
EMI	⅛ mile	No	0

The Property is listed in the environmental database report as follows:

A1 Derby Restaurant
233 E Huntington Dr
Databases: LA Co. Site Mitigation
Summary: The Property is listed on the LA Co. Site Mitigation database which reports the abatement date as January 1, 1989.
Discussion: Additional information regarding this listing was not found.

The following sites are within ⅛ mile of the Property:

A2 Santa Anita Park
A3 LA Turf Club Incna Santa Anita
A4 Santa Anita Park
285 Huntington Drive

Databases: CHMIRS, WDS, FINDS, CERS
Distance/Direction from Property: This listing appears to be for 285 West Huntington Drive which is located at least 5,000-feet to the west-southwest of the Property.
Summary: The site is listed on the CHMIRS database for an incident reported on July 22, 1991. Additional details are not provided. The site is also listed on the CERS database which reports the description as Animal Wastewater Discharge. The database reports historical violations for the site.
Discussion: This listing appears to be for 285 West Huntington Drive which is located at least 5,000-feet to the west-southwest of the Property.

A5 City of Arcadia Redevelopment
313 E Huntington Dr
Databases: SWEEPS UST, LOS ANGELES CO. HMS
Distance/Direction from Property: 49-feet to the southeast of the Property
Summary: The site is listed on the SWEEPS UST database which reports the status as active. The site is also listed on the LOS ANGELES CO. HMS database which reports the facility and permit statuses as removed.
Discussion: Based on the regulatory status of this site, the environmental quality of the Property is not expected to have been impacted by this site.

A6 City of Arcadia Redevelopment
311 E Huntington Dr
Databases: SWEEPS UST, LOS ANGELES CO. HMS
Distance/Direction from Property: 64-feet to the north-northeast of the Property
Summary: The site is listed on the SWEEPS UST database which reports the status as active. The site is also listed on the LOS ANGELES CO. HMS database which reports the facility and permit statuses as removed.
Discussion: Based on the regulatory status of this site, the environmental quality of the Property is not expected to have been impacted by this site.

A7 City of Arcadia
250 Huntington Dr W
Databases: LUST, SWEEPS UST, HIST UST, FID UST, LOS ANGELES CO. HMS, CERS
Distance/Direction from Property: 78-feet to the south of the Property
Summary: The site is listed on the LUST database as being a leaking underground storage tank site. According to the database, the substance leaked was aviation, the media affected was soil, the status is completed - case closed, and the closure date was January 31, 2002. The site is also listed on the SWEEPS UST database which reports three active tanks on the site. The site is also listed on the HIST UST database as being a historical underground storage tank site. Additional details were not provided. The site is also listed on the FID UST database which reports the status as active. The site is also listed on the LOS ANGELES CO. HMS database which reports the facility and permit statuses as removed. The site is also listed on the CERS database which reports the description as Leaking Underground Storage Tank Cleanup Site.

Discussion: Based on the regulatory status of this site, the environmental quality of the Property is not expected to have been impacted by this site.

A8 Methodist Hospital of So Cal
300 Huntington Dr
Databases: RCRA-SQG
Distance/Direction from Property: 78-feet to the south-southeast of the Property
Summary: The site is listed on the RCRA database as being a small quantity generator of hazardous waste. The database does not report violations for the site.
Discussion: Based on the regulatory status of this site, the environmental quality of the Property is not expected to have been impacted by this site.

A9 Leslie's Pool Supplies
324 E Huntington Dr, Ste. B-4
Databases: RCRA NonGen/NLR
Distance/Direction from Property: 79-feet to the south-southeast of the Property
Summary: The site is listed on the RCRA database as being a non-generator/no longer regulated generator of hazardous waste. The database does not report violations for the site.
Discussion: Based on the regulatory status of this site, the environmental quality of the Property is not expected to have been impacted by this site.

A10 Cosmoprof Beauty
A11 Cosmoprof Supply
332 E Huntington Dr # B2
Databases: RCRA NonGen/NLR, CERS HAZ WASTE, HAZNET
Distance/Direction from Property: 80-feet to the south-southeast of the Property
Summary: The site is listed on the RCRA database as being a non-generator/no longer regulated generator of hazardous waste. The database does not report violations for the site. The site is also listed on the CERS HAZ WASTE database which reports the description as Hazardous Waste Generator. The site is also listed on the HAZNET database which reports hazardous wastes generated on the Property including other organic solids (2017), detergent waste chemicals (2016 and 2017), and off-specification, aged or surplus organics (2016 and 2017).
Discussion: Based on the regulatory status of this site, the environmental quality of the Property is not expected to have been impacted by this site.

A12 Lombardo Automotive Service
334 E Huntington
Databases: EDR Hist Auto
Distance/Direction from Property: 80-feet to the south-southeast of the Property
Summary: The site is listed on the EDR Hist Auto database which reports Lombardo Automotive Service on the site for the year 1985.
Discussion: Based on the regulatory status of this site, the environmental quality of the Property is not expected to have been impacted by this site.

A13 Lowell & Stout Union Service
301 E Huntington Dr
Databases: EDR Hist Auto
Distance/Direction from Property: 87-feet to the east-southeast of the Property
Summary: The site is listed on the EDR Hist Auto database which reports Lowell & Stout Union Service on the site for the year 1958 and Royal Union Service on the site for the year 1962.
Discussion: Based on the regulatory status of this site and the groundwater flow direction in the area of the Property, the environmental quality of the Property is not expected to have been impacted by this site.

B14 Dental Center of Arcadia
440 E Huntington Dr Ste 101
Databases: RCRA NonGen/NLR
Distance/Direction from Property: 391-feet to the east-southeast of the Property
Summary: The site is listed on the RCRA database as being a non-generator/no longer regulated generator of hazardous waste. The database does not report violations for the site.
Discussion: Based on the regulatory status of this site, the environmental quality of the Property is not expected to have been impacted by this site.

C15 City of Arcadia
C16 Kiewit Arcadia Yard
C17 Kiewit Pacific
C18 Arcadia Yard
301 E Santa Clara St
Databases: SWEEPS UST, FID UST, LOS ANGELES CO. HMS, LA Co. Site Mitigation, RCRA NonGen/NLR, FINDS, ECHO, HIST UST
Distance/Direction from Property: 435-feet to the north of the Property
Summary: The site is listed on the SWEEPS UST database which reports the status as active. The site is also listed on the FID UST database which reports the status as active. The site is also listed on the LOS ANGELES CO. HMS database which reports the facility status as removed. The site is also listed on the LA Co. Site Mitigation database which reports the abatement status as yes and the abatement date as July 1, 1988. The site is also listed on the RCRA database as being a non-generator/no longer regulated generator of hazardous waste. The database does not report violations for the site. The site is also listed on the HIST UST database which reports four tanks historically on the site.
Discussion: Based on the regulatory status of this site, the environmental quality of the Property is not expected to have been impacted by this site.

19 Extended Stay
420 E Santa Clara St
Databases: RCRA NonGen/NLR
Distance/Direction from Property: 446-feet to the north-northeast of the Property
Summary: The site is listed on the RCRA database as being a non-generator/no longer

regulated generator of hazardous waste. The database does not report violations for the site.
Discussion: Based on the regulatory status of this site, the environmental quality of the Property is not expected to have been impacted by this site.

D20 Carl's Flying A Service
159 E Huntington Dr
Databases: EDR Hist Auto
Distance/Direction from Property: 464-feet to the west-southwest of the Property
Summary: The site is listed on the EDR Hist Auto database which reports Bert's Associates Service (1955), Hern's Flying A Service (1958), E & E Flying A Service (1959 - 1960), King's Flying A Service (1962), and Carl's Flying A Service (1964) as historically occupying the site.
Discussion: Based on the regulatory status of this site, the environmental quality of the Property is not expected to have been impacted by this site.

D21 Best Garage & Service Station
170 E Huntington Dr
Databases: EDR Hist Auto
Distance/Direction from Property: 483-feet to the west-southwest of the Property
Summary: The site is listed on the EDR Hist Auto database which reports Best Garage & Service (1955), G's Service & Garage (1959), and Arcadia General Tire (1960) as historically occupying the site.
Discussion: Based on the regulatory status of this site, the environmental quality of the Property is not expected to have been impacted by this site.

B22 Arcadia Datsun
B23 Arcadia Nissan
333 E Huntington Dr
Databases: SWEEPS UST, LOS ANGELES CO. HMS, RCRA-SQG, FINDS, ECHO
Distance/Direction from Property: 557-feet to the east of the Property
Summary: The site is listed on the SWEEPS UST database which reports two tanks on the site. The site is also listed on the LOS ANGELES CO. HMS database which reports the facility and permit statuses as removed. The site is also listed on the RCRA database as being a small quantity generator of hazardous waste. The database does not report violations for the site.
Discussion: Based on the regulatory status of this site, the environmental quality of the Property is not expected to have been impacted by this site.

E24 Class A Coin Laundry
E25 Saloncentric Inc 6007
E26 Southwest Cleaners and Hand Laundry
411 E Huntington Dr A
Databases: EDR Hist Cleaner, RCRA NonGen / NLR, DRYCLEANERS
Distance/Direction from Property: 658-feet to the east of the Property
Summary: The site is listed on the EDR Hist Cleaner database which reports Southwest Cleaners (Drycleaning Plants, Except Rugs) on the site for the years 1995 and 1996, Royal

Cleaners (Drycleaning Plants, Except Rugs) on the site for the years 2004 - 2014, and Stanley Steemer (Carpet And Upholstery Cleaning on Customer Premises) on the site for the years 2010 - 2014. The site is also listed on the RCRA database as being a non-generator/no longer regulated generator of hazardous waste. The database does not report violations for the site. The site is also listed on the DRYCLEANERS database which indicated that perchloroethylene was used on the site.
Discussion: Based on the regulatory status of this site, the environmental quality of the Property is not expected to have been impacted by this site.

E27 Beyond Care Hospice Inc DBA Nightingale Hospice
411 E Huntington Dr Ste 212
Databases: RCRA NonGen / NLR
Distance/Direction from Property: 658-feet to the east of the Property
Summary: The site is listed on the RCRA database as being a non-generator/no longer regulated generator of hazardous waste. The database does not report violations for the site.
Discussion: Based on the regulatory status of this site, the environmental quality of the Property is not expected to have been impacted by this site.

CCI did not find evidence that the above-listed sites have impacted the environmental quality of the Property.

7.2 REGULATORY AGENCY REVIEW

CCI contacted the Los Angeles County Fire Department (LACoFD) with a request to review files for the Property. According to the agency, information for the Property address was not found.

CCI requested the Arcadia Fire Department (AFD) records for the Property through a public records request submitted to the Arcadia City Clerk. A response to this public records request is pending. If information is found at this agency which changes the conclusions and/or recommendations of this Phase I ESA, CCI will prepare an addendum letter summarizing our findings.

CCI contacted the Los Angeles County Sanitation District (LACoSD) with a request to review files for the Property. According to the agency, information for the Property address was not found.

CCI reviewed the Regional Water Quality Control Board (RWQCB) website for information regarding the Property on the GeoTracker database. According to the RWQCB website, information was not found for the Property address.

CCI reviewed the Department of Toxic Substances Control (DTSC) website for information regarding the Property on the EnviroStor database. According to the DTSC website, information was not found for the Property address.

CCI reviewed the South Coast Air Quality Management District (SCAQMD) website for information regarding the Property that pertains to permits to operate and/or violations. According to the SCAQMD website, information was available for the Property address. According to the information reviewed, there is an active Charbroiler - Natural Gas permit and an inactive Charbroiler - Natural Gas permit for The Derby Restaurant.

CCI reviewed the LACoDPW website for available files for the Property. According to the website, records (related to industrial waste/underground storage tanks/stormwater) were not found for the Property address.

CCI reviewed the California Division of Oil, Gas, and Geothermal Resources (DOGG) website for information regarding oils wells on and in the vicinity of the Property. According to the website, there are no current or former oils wells on or adjacent to the Property.

CCI requested the ABD building permit records for the Property through a public records request submitted to the Arcadia City Clerk. A response to this public records request is pending. If information is found at this agency which changes the conclusions and/or recommendations of this Phase I ESA, CCI will prepare an addendum letter summarizing our findings.

7.3 VAPOR ENCROACHMENT SCREENING

Based on the review of the environmental database report and the RWQCB Geotracker database website, CCI did not identify sites in the vicinity of the Property which would be suspected of posing a VEC for the Property. Current and historical Property operations are not suspected of posing a VEC for the Property.

8.0 USER PROVIDED INFORMATION

8.1 TITLE RECORDS

CCI was not provided with any title records from Mr. Dustin Nicolarsen. A search of title records was not conducted by CCI as part of this Phase I ESA.

8.2 ENVIRONMENTAL LIENS OR ACTIVITY AND USE LIMITATIONS

No environmental liens or activity and land use limitation information were provided to CCI by Mr. Dustin Nicolarsen.

8.3 SPECIALIZED KNOWLEDGE

No specialized knowledge of environmental conditions associated with the Property was provided to CCI by Mr. Dustin Nicolarsen.

8.4 VALUE REDUCTION FOR ENVIRONMENTAL ISSUES

No information was provided to CCI by Mr. Dustin Nicolarsen indicating that the value of the Property has been reduced due to environmental issues.

9.0 NON-SCOPE ASTM ITEMS

9.1 ASBESTOS CONTAINING MATERIALS

Asbestos is the name given to a number of naturally occurring, fibrous silicate materials mined for their useful properties such as thermal insulation, chemical and thermal stability, and high tensile strength. Asbestos is commonly used as an acoustic insulator, thermal insulation, fire proofing, and in other building materials. Exposure to airborne friable asbestos may result in a potential health risk because persons breathing the air may inhale asbestos fibers. Continued exposure over time may cause serious lung diseases including asbestosis, lung cancer, or mesothelioma. The sampling of building materials for asbestos was not conducted as part of this assessment.

Suspected asbestos-containing materials (ACMs) were noted during the Property survey. Based on the construction date in 1927, there is a possibility that some of the construction materials in the building may contain asbestos fibers. The building materials observed by CCI appeared to be in good condition.

9.2 LEAD-BASED PAINT

Lead-based paint (LBP) is recognized as a potential health risk due to the known toxic affects of lead exposure, primarily through ingestion, on the central nervous system, kidneys, and bloodstream. The risk of lead toxicity in LBP varies and based upon the condition of the paint and the year of its application. Paint applied in 1977 or later is not expected to contain lead. Survey and sampling of the paint around the Property for LBP was not conducted as part of this assessment.

Given the 1927 construction date of the building, it is considered possible that LBP is present at the Property. The building paint appeared to be in relatively good condition. The potential LBP should not become a health hazard provided that the paint properly maintained and remains sealed.

9.3 RADON GAS EVALUATION

Radon is a colorless, tasteless radioactive gas that has been linked to possible increased risk of lung cancer. According to the United States Environmental Protection Agency (U.S. EPA), exposure to 4.0 peccaries of radon gas per liter of air (pCi/L) on a regular basis increases the risk of contacting lung cancer. CCI reviewed the California Department of Health Services (DHS) Radon Database for California. The DHS conducted over 16,000 individual radon tests throughout the State of California. The database groups the test results by zip codes. According to the database, the area of the Property does not typically exhibit concentrations of radon thought to be harmful to human health.

9.4 MOLD OBSERVATIONS

Molds are microscopic organisms found virtually everywhere, indoors and outdoors. Mold will grow and multiply under the right conditions, needing only sufficient moisture (e.g. in the form of very high humidity, condensation, or water from a leaking pipe, etc.) and organic material (e.g. ceiling tile, drywall, paper, or natural finer carpet padding). Mold growths often appear as discoloration, staining, or fuzzy growth on building materials or furnishings and are varied colors of white, gray, brown, black, yellow, and green. In large quantities, molds can cause allergic symptoms when inhaled or through the toxins the molds emit.

During the site survey, CCI observed the accessible interior areas of the building for evidence of water intrusion which would indicate the potential for mold growth. CCI did not observe evidence of areas of water intrusion inside the building. This evaluation did not include areas behind enclosed walls and ceilings.

10.0 DATA GAPS

The AAI rule requires that environmental professionals document any data gaps that remain after examining all "reasonably ascertainable" sources and explain the reason for such data gaps. The AAI rule also requires the report to expressly identify the sources consulted to address such data gaps and comment on their significance. Data gaps encountered during this assessment include the pending agency responses from the ABD and AFD.

11.0 FINDINGS AND OPINIONS

The Property is occupied by The Derby Restaurant. The Derby Restaurant has occupied the Property since approximately 1927. One in-ground grease trap was observed on the Property. The grease trap is located adjacent to the east side of the building. Floor drains inside the kitchen area of the building connect to the grease trap. The grease trap discharges to the local municipal sewer system. The operation of the grease trap is not suspected of having adversely impacted the subsurface environment beneath the Property.

A gasoline station operated adjacent to the east of the Property between approximately 1938 and 1964. During this time period, there was a road (North 3rd Avenue) located between the Property and the former gasoline station site. The former gasoline station site is not reported as being a LUST site. CCI did not find information which indicated that this site has adversely impacted the subsurface environment beneath the Property. Based on an expected southerly-southeasterly groundwater flow direction, the site is located in a cross-gradient groundwater flow direction of the Property.

Several commercial/industrial buildings were located adjacent to the west of the Property during the 1950s through 1970s. The westerly-adjacent site is currently occupied by an Embassy Suites hotel and associated parking lot. Historical city directories suggest potential former occupants of the westerly-adjacent sites included Arcadia City Refuse Service (1957 - 1966), Modern Insulation (1950), Nottingham M C Co. Chemical Toilets (1950), and Baker Septic Tank Co. (1950). Regulatory evidence was not found which would indicate that the subsurface environmental quality of the Property has been adversely impacted by former operations on the westerly-adjacent sites.

12.0 CONCLUSIONS AND RECOMMENDATIONS

12.1 CONCLUSIONS

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM E 1527-05 of 233 East Huntington Drive, Arcadia, Los Angeles County, California (APN 5773-009-070), the Property. Any exceptions to, or deletions from, this practice are described in Section 10.0 of this report. This Phase I ESA has revealed no evidence of recognized environmental conditions in connection with the Property.

12.2 RECOMMENDATIONS

This assessment has not revealed evidence of recognized environmental conditions or environmental issues in connection with the Property. Based on the results of this assessment, CCI does not recommend additional assessment at this time.

13.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in 312.10 of 40 CFR 312. We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.



David A Jonas
Project Manager



Ken Durand
President

14.0 REFERENCES

- Arcadia Building Department (response pending)
- Arcadia Fire Department (response pending)
- Los Angeles County Fire Department, September 13, 2019
- Los Angeles County Sanitation Department, September 9, 2019
- Los Angeles County Department of Public Works, September 9, 2019
- Regional Water Quality Control Board, September 9, 2019
- Department of Toxic Substances Control, September 9, 2019
- South Coast Air Quality Management District, September 9, 2019
- State of California Department of Conservation Division of Oil, Gas, & Geothermal Resources, September 9, 2019
- Environmental Data Resources, Connecticut, Environmental Database Report
- United States Geological Survey (USGS) Topographic Maps, dated 1894, 1897, 1904, 1928, 1933, 1941, 1953, 1966, 1972, 1991, 1994, 1995, and 2012
- Pacific Telephone, dated 1950, 1957, 1960, 1966, 1975, and 1980
- GTE, dated 1975
- Pacific Bell, dated 1985 and 1995
- Haines Company, dated 2006
- EDR Digital Archives, dated 2010 and 2014
- Sanborn Fire Insurance Maps (not found for the area of the Property)
- Aerial Photographs, dated 1928, 1938, 1952, 1954, 1964, 1972, 1979, 1981, 1989, 1994, 2002, 2005, 2009, 2012, and 2016

15.0 LIMITATIONS

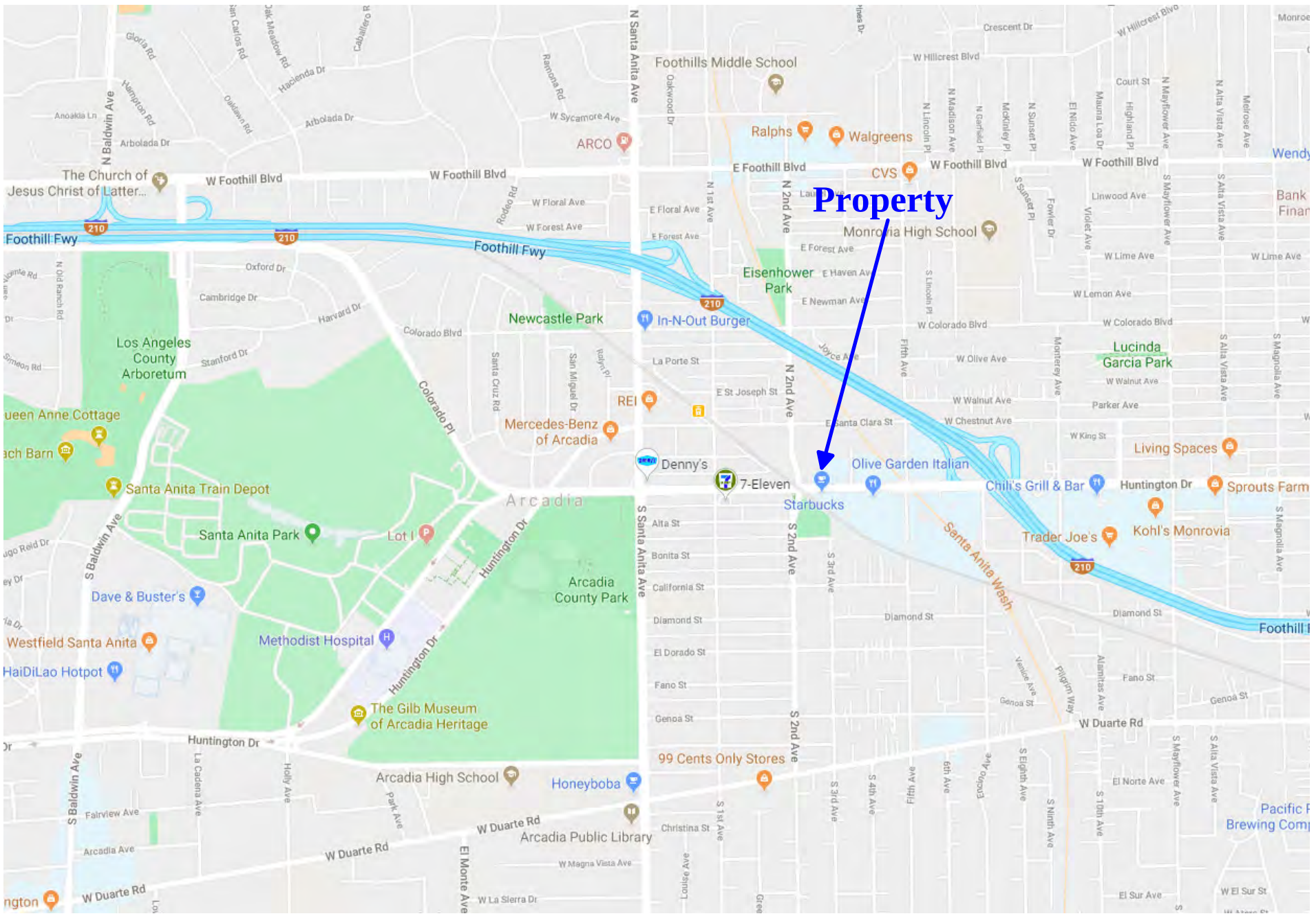
This report has been prepared by CCI using reasonable efforts to identify recognized environmental conditions associated with hazardous materials at the Property. The conclusions and recommendations of this report are based on data and information collected from observations made on the day(s) of the site survey and from reasonably ascertainable information obtained from government agencies and other referenced sources. This report is not intended to identify all potential environmental concerns or completely eliminate the potential that the Property has environmental impairments. This report is not an exhaustive investigation of the Property or environmental conditions related to the Property.

No amount of assessment or investigation can completely certify that the Property is completely free of environmental concern. It is possible that unpermitted, undocumented or concealed improvements or alterations to the Property could exist beyond that which was found during this assessment. It is possible that there are changes in observed conditions on the Property in the future which would require further assessment of the Property and reevaluation of the conclusions and recommendations expressed in this report.

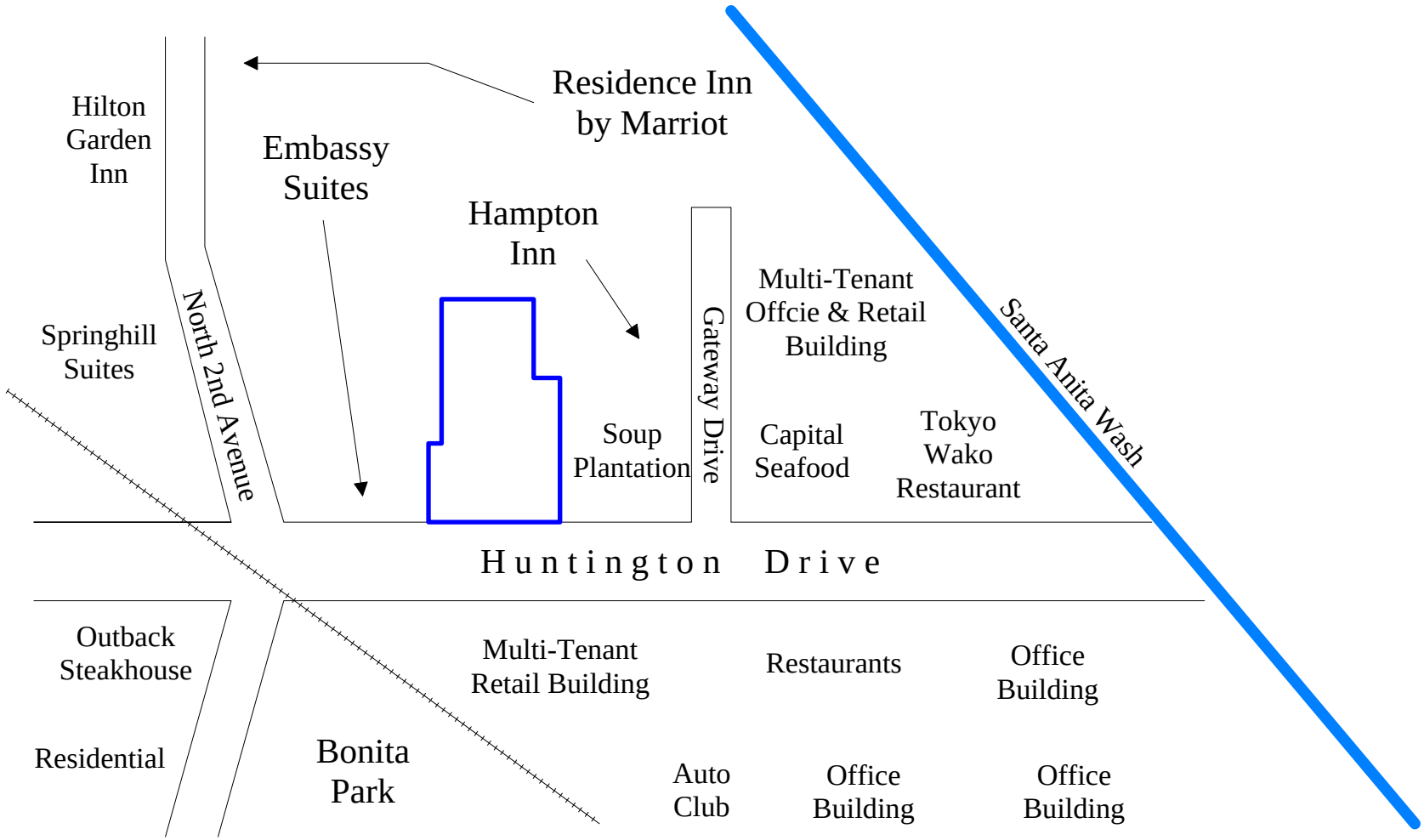
During the preparation of this report, CCI has relied upon and presumed accurate certain information and data which has been provided by others including government agencies and companies identified herein. Unless stated otherwise within this report, CCI has not attempted to verify and is not responsible for the accuracy or completeness of such information. CCI reserves the right to modify our conclusions and recommendations presented in this report if inaccurate or unreliable data has been provided to CCI by others.

Any cost estimates of the recommended additional scope of work are based solely on the information collected during this assessment. Any cost estimates presented in this report represent a rough estimate, not a proposal. The actual cost and scope of work may vary upon refining during proposal preparation, and with changes in economic conditions, or as additional information becomes available.

APPENDIX A - FIGURES



CCI Conservation Consulting International	**PROPERTY LOCATION MAP**	Elie Hodings & Associates, LLC 233 East Huntington Drive Arcadia, California 91006 CCI Project No. CC2271-1	Map Taken From: Google Maps N	**FIGURE 1**



CCI Conservation Consulting International	**PROPERTY VICINITY MAP**	Elie Hodings & Associates, LLC 233 East Huntington Drive Arcadia, California 91006 CCI Project No. CC2271-1	**Property Boundaries**	N	**FIGURE 2**

APPENDIX B - PHOTOGRAPHS



Photograph 1: View facing north towards the Property.



Photograph 2: View facing northeast towards the Property building.



Photograph 3: View facing southeast towards the Property building.



Photograph 4: View facing south towards the Property building from the north end of the Property.



Photograph 5: View facing northwest towards the Property building.



Photograph 6: View of the grease trap located exterior adjacent to the east side of the Property building.



Photograph 7: View of the enclosure located adjacent to the east side of the Property building.



Photograph 8: View of the used kitchen grease container stored within the enclosure.



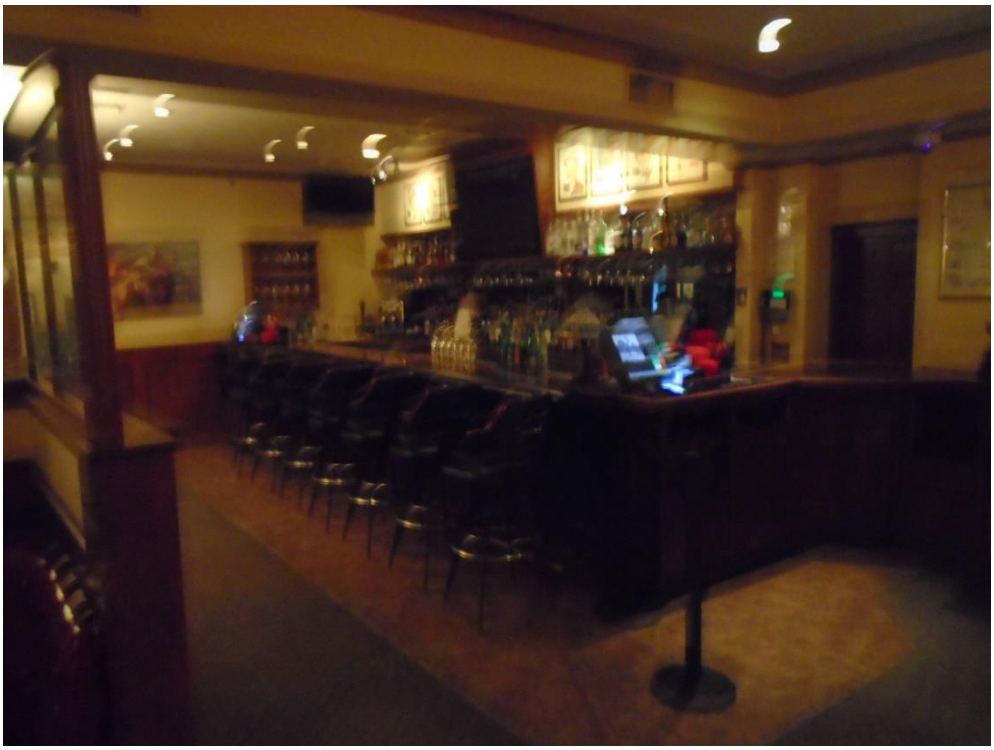
Photograph 9: View of the cleaning chemicals stored within the enclosure.



Photograph 10: Interior restaurant view.



Photograph 11: Interior restaurant view.



Photograph 12: Interior restaurant view.



Photograph 13: Interior kitchen view.



Photograph 14: View of one of the floor drains in the kitchen area of the Property building.



Photograph 15: View of the janitor's closet located inside the Property building.



Photograph 16: View of the adjacent area to the north of the Property.



Photograph 17: View of the adjacent area to the east of the Property.



Photograph 18: View of the multi-tenant retail building located to the south of the Property.



Photograph 19: View of the adjacent site to the west of the Property.

APPENDIX C - TABLES

No Tables

APPENDIX D - LEGAL IDENTIFICATION RECORDS

Parcel Details

- Property records are kept at the East District Office
- How frequently is this site updated? (and other FAQs)

Property Information

Assessor's ID No:	5773-009-070
Address:	233 E HUNTINGTON DR ARCADIA CA 91006
Property Type:	Commercial / Industrial
Region / Cluster:	27 / 27661
Tax Rate Area (TRA):	01868

- View Assessor Map
- View Index map

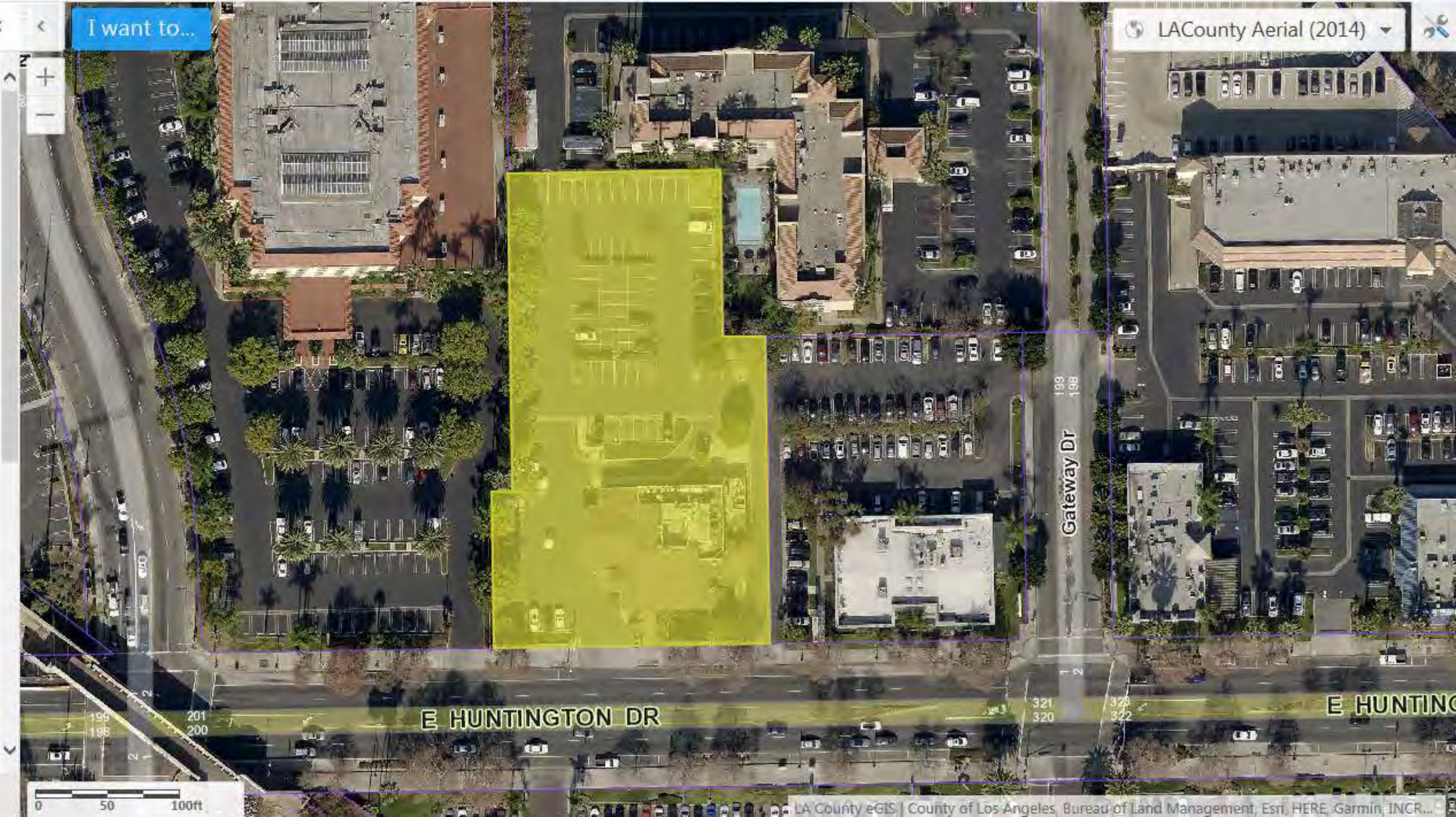
Recent Sales Information

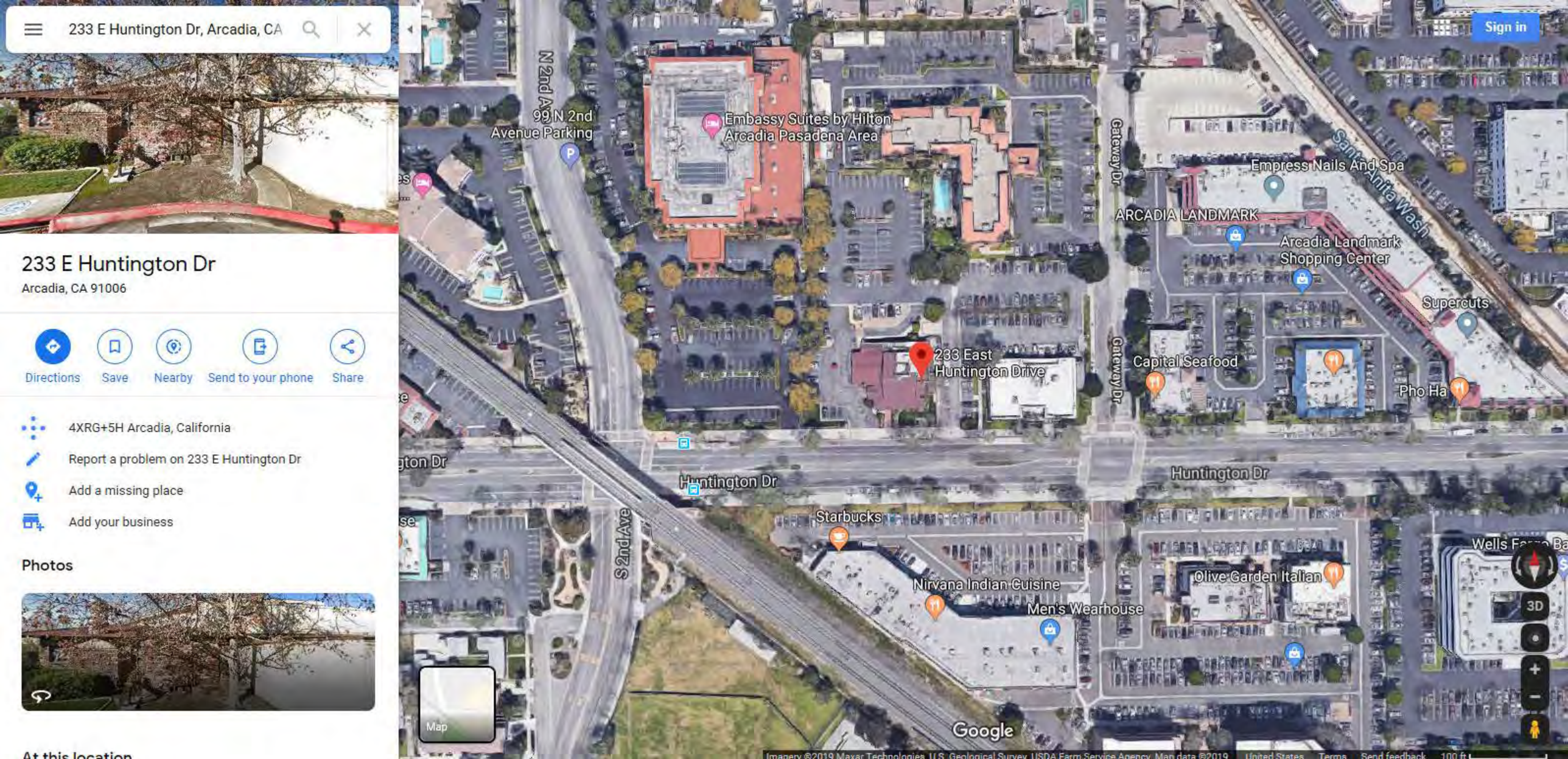
Latest Sale Date:
Indicated Sale Price:

Search for Recent Sales

2019 Roll Values

Recording Date:	08/01/2016
Land:	$1,080,643
Improvements:	$552,258
Personal Property:	$0
Fixtures:	$0
Homeowners' Exemption:	$0
Real Estate Exemption:	$0





233 E Huntington Dr

Arcadia, CA 91006

Directions | Save | Nearby | Send to your phone | Share

4XRG+5H Arcadia, California

Report a problem on 233 E Huntington Dr

Add a missing place

Add your business

Photos

At this location


233 East
Huntington Drive
Souplantation


308 W Historic Rte 66
Arcadia, California
Google
Street View - Apr 2019
UEST
ARKING
STEAK
Google
Image capture: Apr 2019 © 2019 Google United States Terms Report a problem


Arcadia, California
Google
Street View - Mar 2019
E Santa Clara St
233 Eas
Hunting
Red L
Alta St
Google


Arcadia, California
Google
Street View - Jan 2019
E Santa Clara St
233 East
Hunting
Red L
gton Dr
Alta St
S 2nd Ave
Google
Image capture: Jan 2019 © 2019 Google United States Terms Report a problem


Arcadia, California
Google
Street View - Jan 2019
E Santa Clara St
233 East
Hunting
Red L
Alta St
S 2nd Ave
Google
https://www.google.com/streetview

APPENDIX E - HISTORICAL DOCUMENTATION

Elite Holdings & Associates, LLC

233 East Huntington Drive

Arcadia, CA 91006

Inquiry Number: 5779247.8

September 06, 2019

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

09/06/19

Site Name:

Elite Holdings & Associates, LL
233 East Huntington Drive
Arcadia, CA 91006
EDR Inquiry # 5779247.8

Client Name:

CCI
23862 Hawthorne Boulevard
Torrance, CA 90505
Contact: David Jonas

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	Scale	Details	Source
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
2002	1"=500'	Flight Date: June 06, 2002	USDA
1994	1"=500'	Acquisition Date: May 31, 1994	USGS/DOQQ
1989	1"=500'	Flight Date: August 22, 1989	USDA
1981	1"=500'	Flight Date: February 21, 1981	EDR Proprietary Brewster Pacific
1979	1"=500'	Flight Date: February 05, 1979	EDR Proprietary Brewster Pacific
1972	1"=500'	Flight Date: November 18, 1972	EDR Proprietary Brewster Pacific
1964	1"=500'	Flight Date: July 28, 1964	USGS
1954	1"=500'	Flight Date: August 31, 1954	USDA
1952	1"=500'	Flight Date: August 03, 1952	USGS
1948	1"=500'	Flight Date: July 13, 1948	USGS
1938	1"=500'	Flight Date: July 15, 1938	USDA
1928	1"=500'	Flight Date: January 01, 1928	FAIR

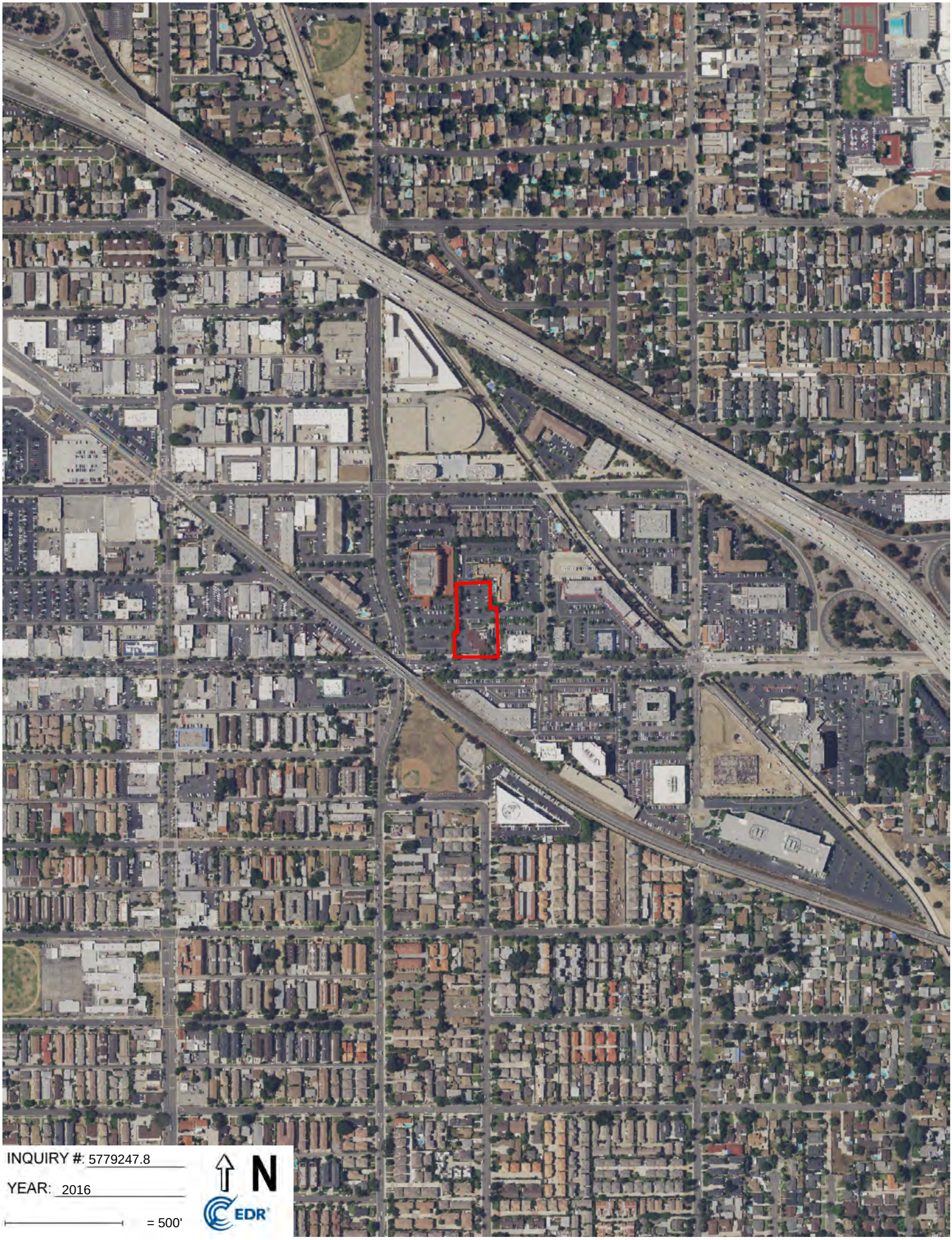
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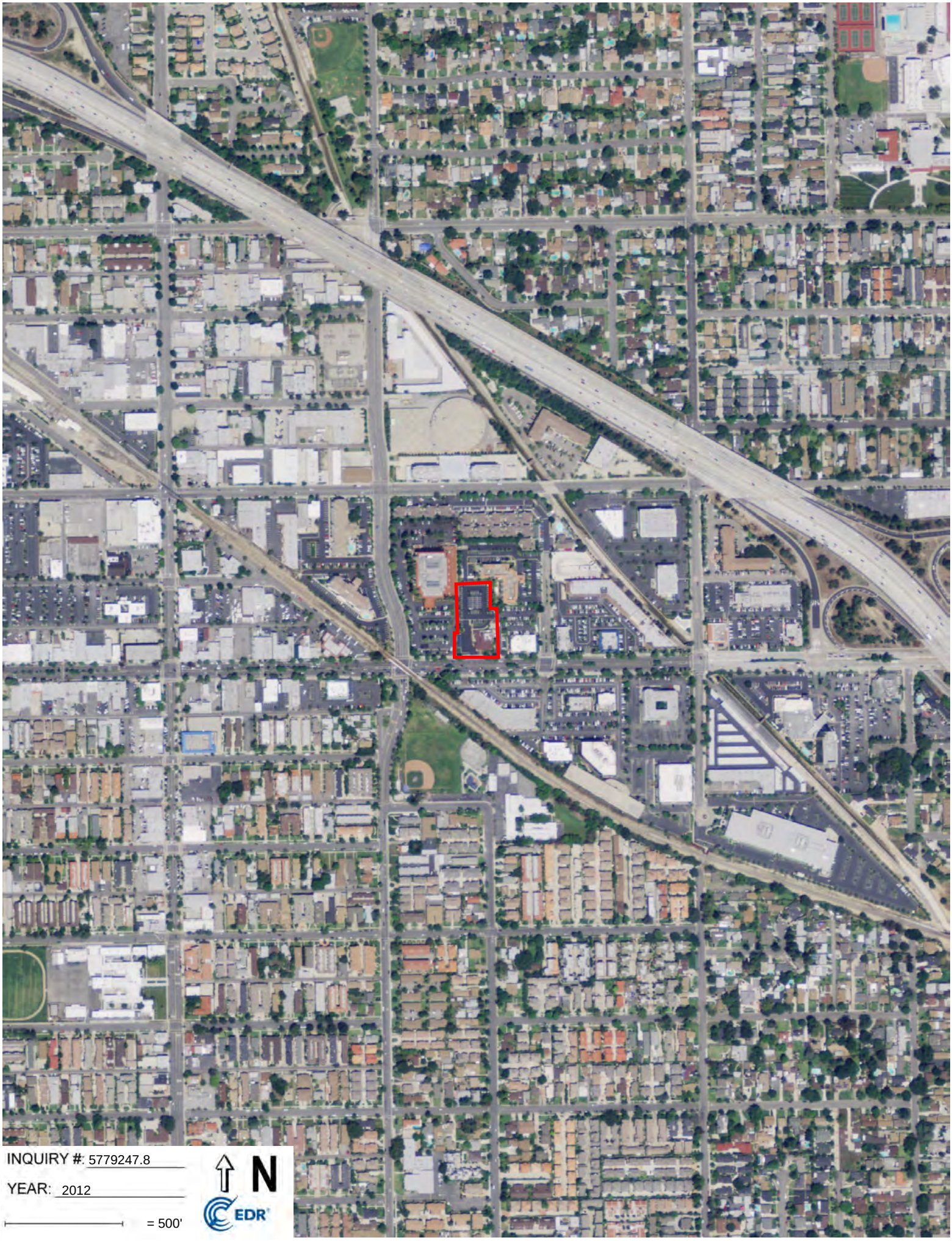
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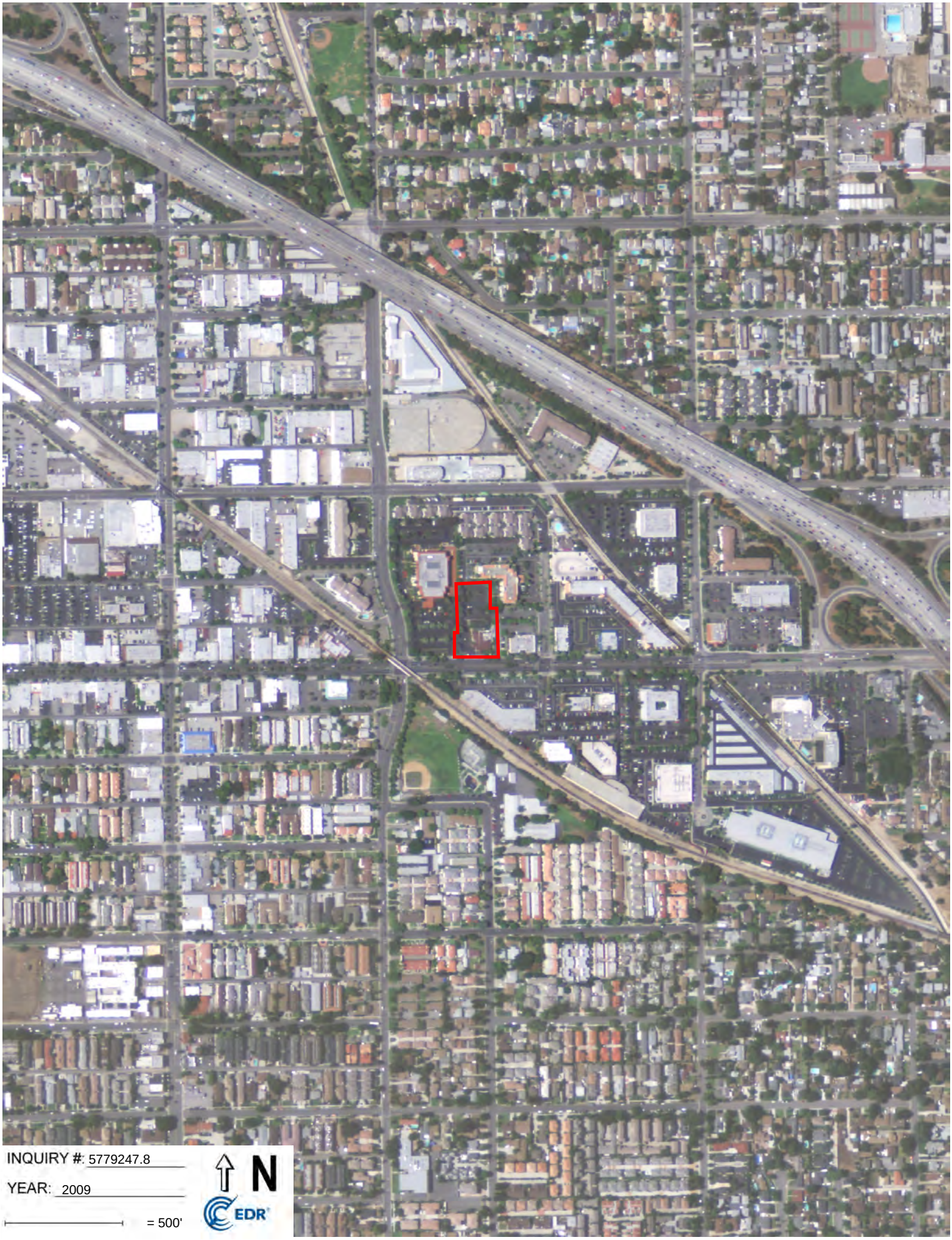
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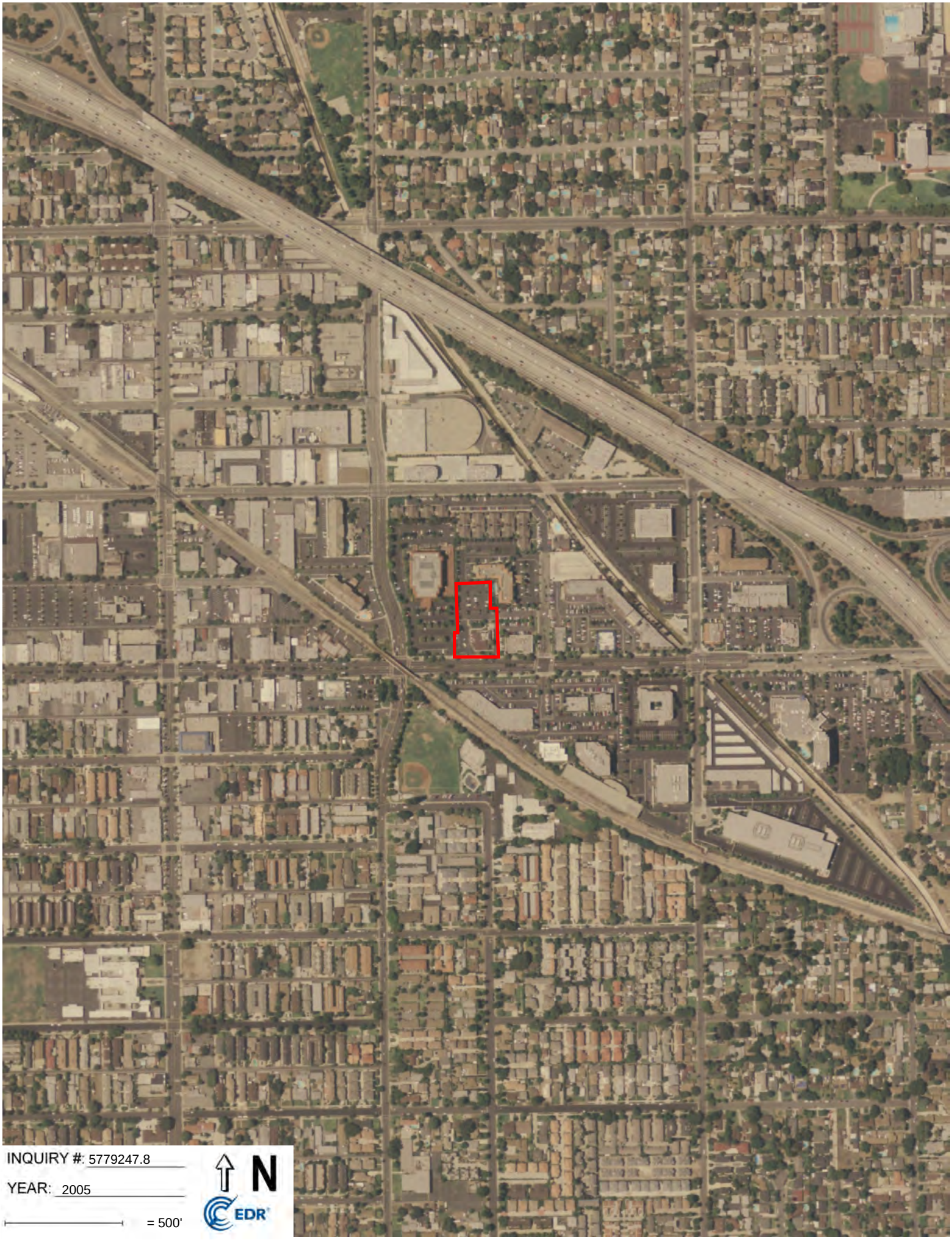
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EDR

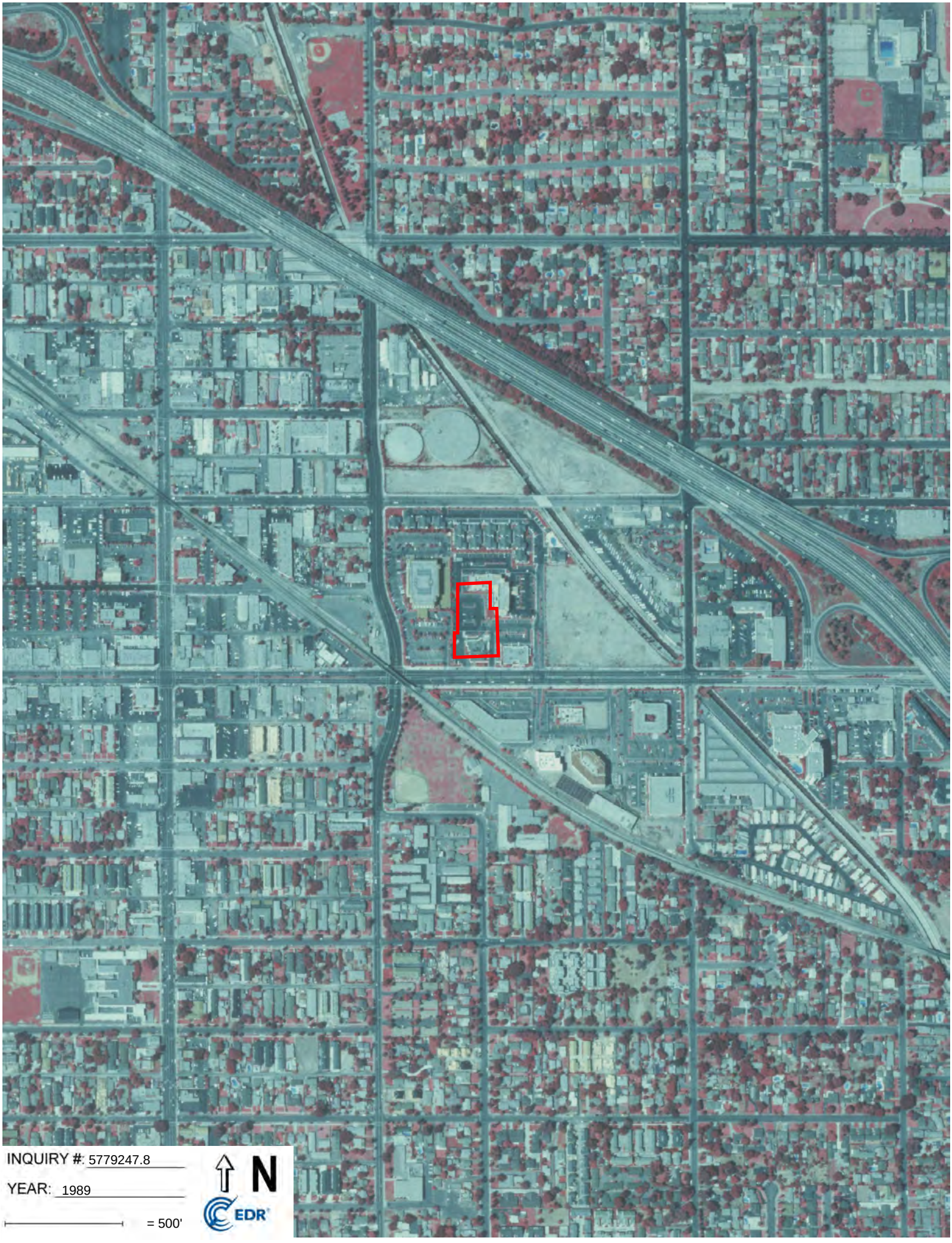

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EDR


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EDR


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EDR


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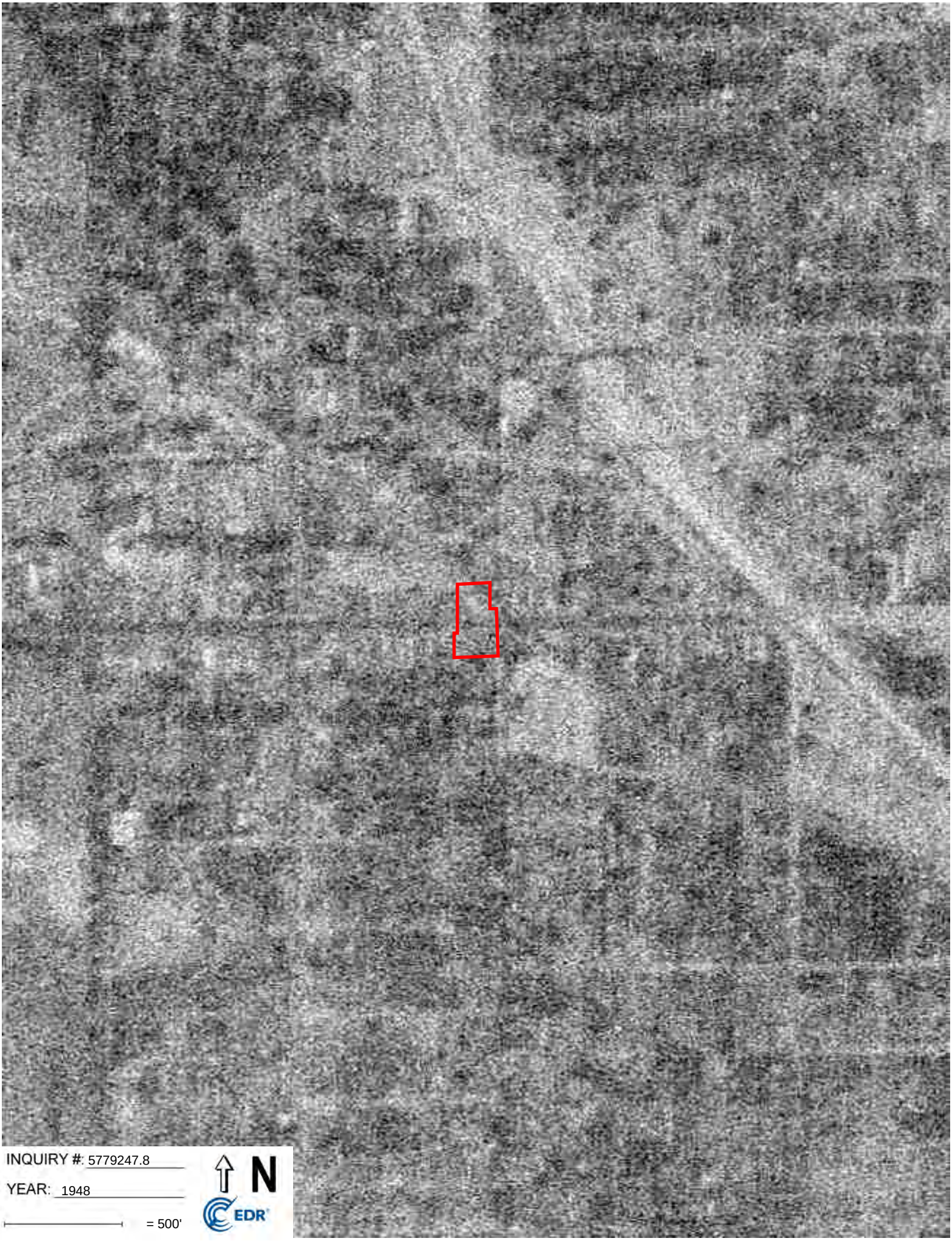

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EDR


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EDR


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EDR



INQUIRY #: 5779247.8

YEAR: 1948

= 500'

N

EDR


INQUIRY #: 5779247.8
YEAR: 1938
= 500'
N
EDR


INQUIRY #: 5779247.8
YEAR: 1928
= 500'
N
EDR

Elite Holdings & Associates, LLC
233 East Huntington Drive
Arcadia, CA 91006

Inquiry Number: 5779247.4
September 05, 2019

EDR Historical Topo Map Report

with QuadMatch™

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

09/05/19

Site Name:

Elite Holdings & Associates, LL
233 East Huntington Drive
Arcadia, CA 91006
EDR Inquiry # 5779247.4

Client Name:

CCI
23862 Hawthorne Boulevard
Torrance, CA 90505
Contact: David Jonas

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by CCI were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:

P.O.# NA

Project: CC2271-1

Coordinates:

Latitude:	34.140713 34° 8' 27" North
Longitude:	-118.023777 -118° 1' 26" West
UTM Zone:	Zone 11 North
UTM X Meters:	405610.72
UTM Y Meters:	3778231.44
Elevation:	483.00' above sea level

Maps Provided:

2012	1933
1995	1928
1994	1900, 1904
1988, 1991	1896, 1897
1972	1894
1966	
1953	
1939, 1941	

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2012 Source Sheets



El Monte
2012
7.5-minute, 24000



Mount Wilson
2012
7.5-minute, 24000



Azusa
2012
7.5-minute, 24000



Baldwin Park
2012
7.5-minute, 24000

1995 Source Sheets



Azusa
1995
7.5-minute, 24000
Aerial Photo Revised 1994



Mount Wilson
1995
7.5-minute, 24000
Aerial Photo Revised 1994

1994 Source Sheets



El Monte
1994
7.5-minute, 24000
Aerial Photo Revised 1978



Mt. Wilson
1994
7.5-minute, 24000
Aerial Photo Revised 1986

1988, 1991 Source Sheets



Mt. Wilson
1988
7.5-minute, 24000
Aerial Photo Revised 1986



El Monte
1991
7.5-minute, 24000
Aerial Photo Revised 1978

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1972 Source Sheets



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7.5-minute, 24000
Aerial Photo Revised 1972



El Monte
1972
7.5-minute, 24000
Aerial Photo Revised 1972

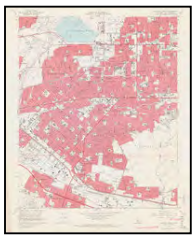


Azusa
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7.5-minute, 24000
Aerial Photo Revised 1972



Baldwin Park
1972
7.5-minute, 24000
Aerial Photo Revised 1972

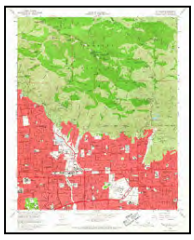
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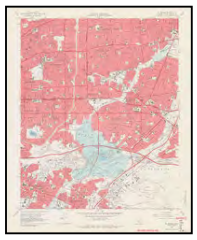
Baldwin Park
1966
7.5-minute, 24000
Aerial Photo Revised 1964



Azusa
1966
7.5-minute, 24000
Aerial Photo Revised 1964



Mt. Wilson
1966
7.5-minute, 24000
Aerial Photo Revised 1964



El Monte
1966
7.5-minute, 24000
Aerial Photo Revised 1964

1953 Source Sheets



Baldwin Park
1953
7.5-minute, 24000
Aerial Photo Revised 1952



Azusa
1953
7.5-minute, 24000
Aerial Photo Revised 1952



Mt. Wilson
1953
7.5-minute, 24000
Aerial Photo Revised 1952



El Monte
1953
7.5-minute, 24000
Aerial Photo Revised 1952

1939, 1941 Source Sheets



Azusa
1939
7.5-minute, 24000



Sierra Madre
1941
7.5-minute, 24000

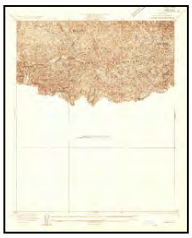
Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1933 Source Sheets



Sierra Madre
1933
7.5-minute, 24000



Azusa
1933
7.5-minute, 24000

1928 Source Sheets



Azusa
1928
7.5-minute, 24000



Sierra Madre
1928
7.5-minute, 24000

1900, 1904 Source Sheets



Pasadena
1900
15-minute, 62500



Los Angeles
1900
15-minute, 62500

Pomona
1904
15-minute, 62500

1896, 1897 Source Sheets



Pasadena
1896
15-minute, 62500



Pomona
1897
15-minute, 62500

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1894 Source Sheets



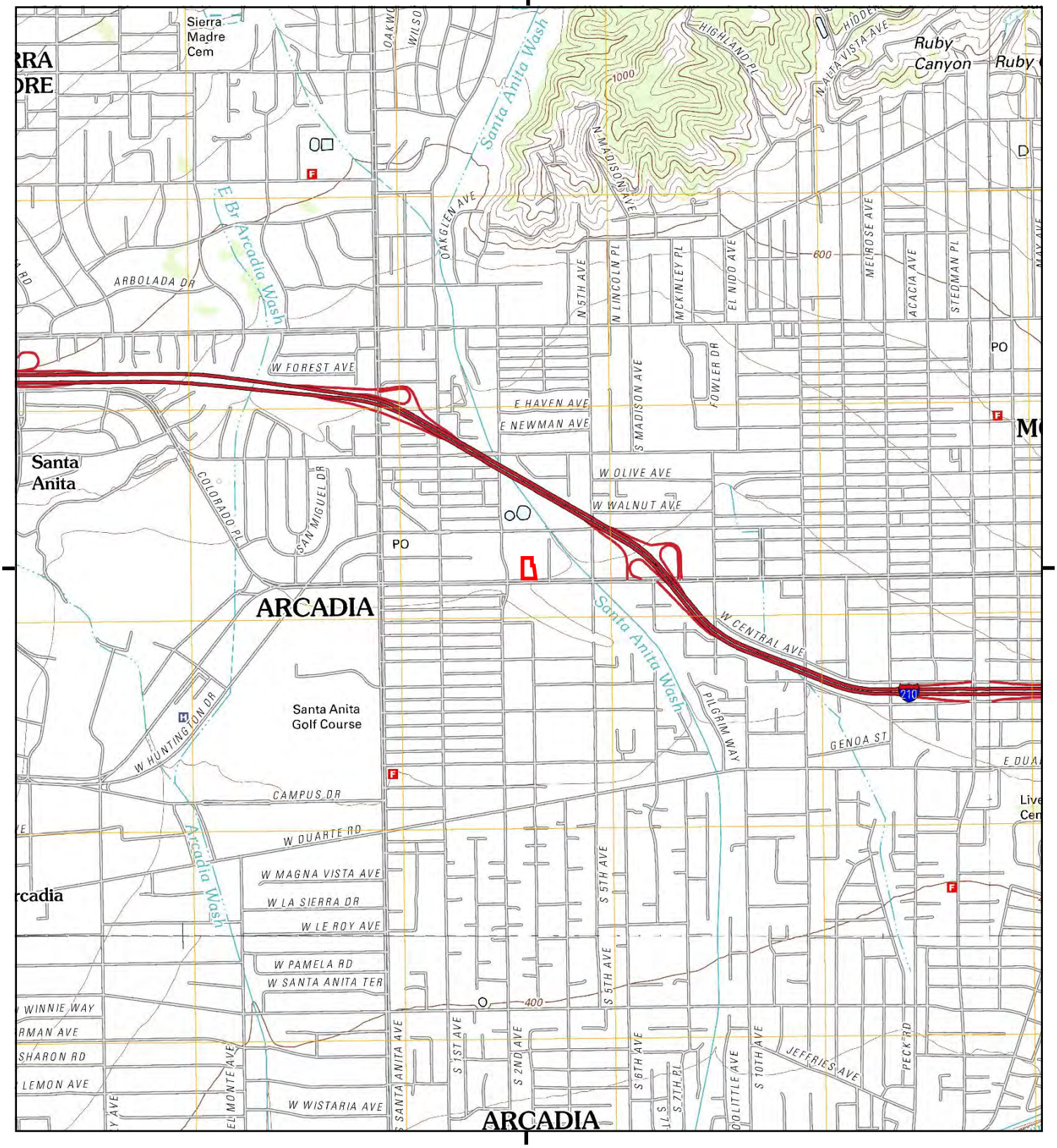
Pomona
1894
15-minute, 62500



Los Angeles
1894
15-minute, 62500

Historical Topo Map

2012



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

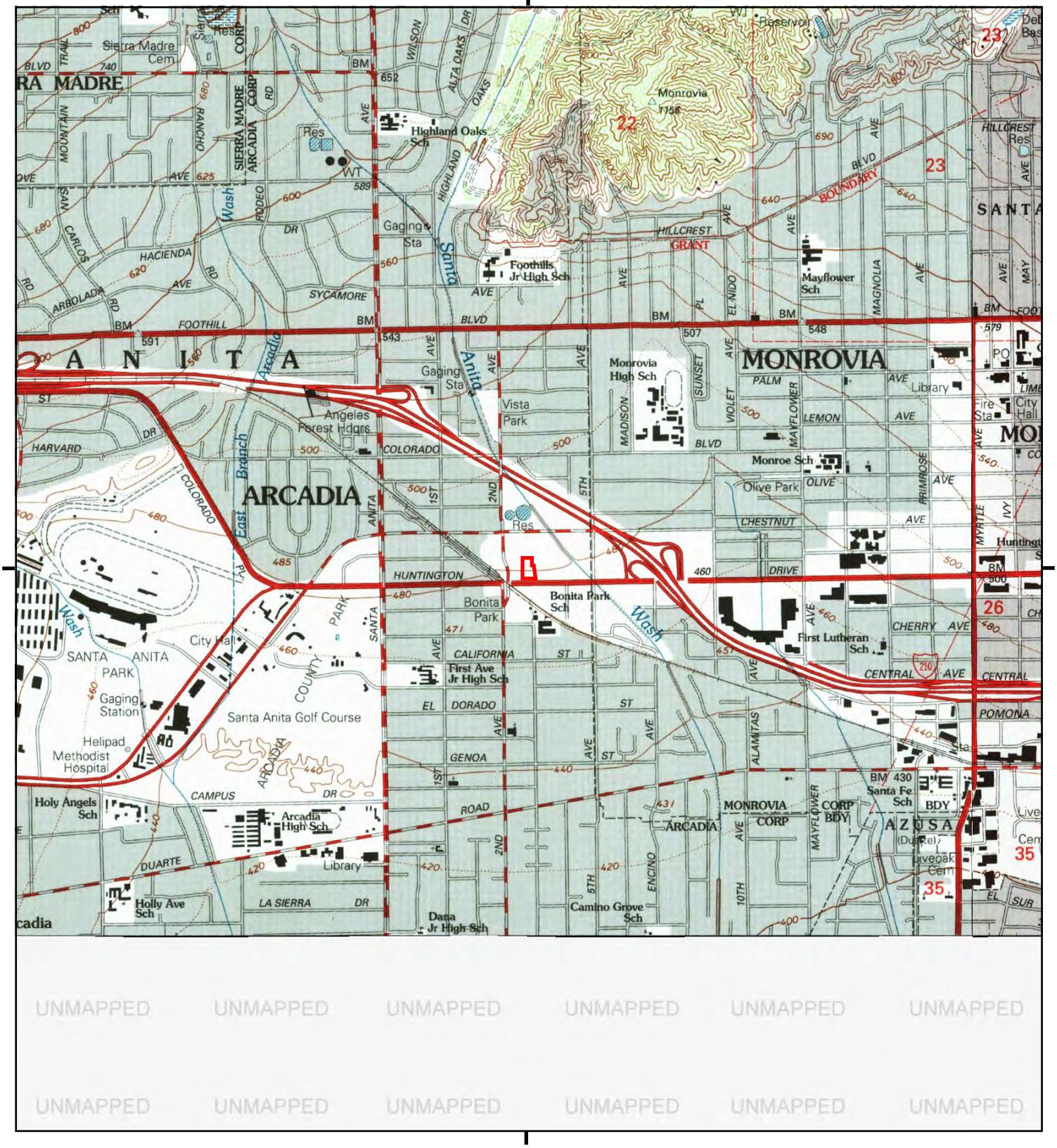
TP, Mount Wilson, 2012, 7.5-minute
NE, Azusa, 2012, 7.5-minute
SE, Baldwin Park, 2012, 7.5-minute
S, El Monte, 2012, 7.5-minute

SITE NAME: Elite Holdings & Associates, LLC
ADDRESS: 233 East Huntington Drive
Arcadia, CA 91006
CLIENT: CCI

N

Historical Topo Map

1995



This report includes information from the following map sheet(s).

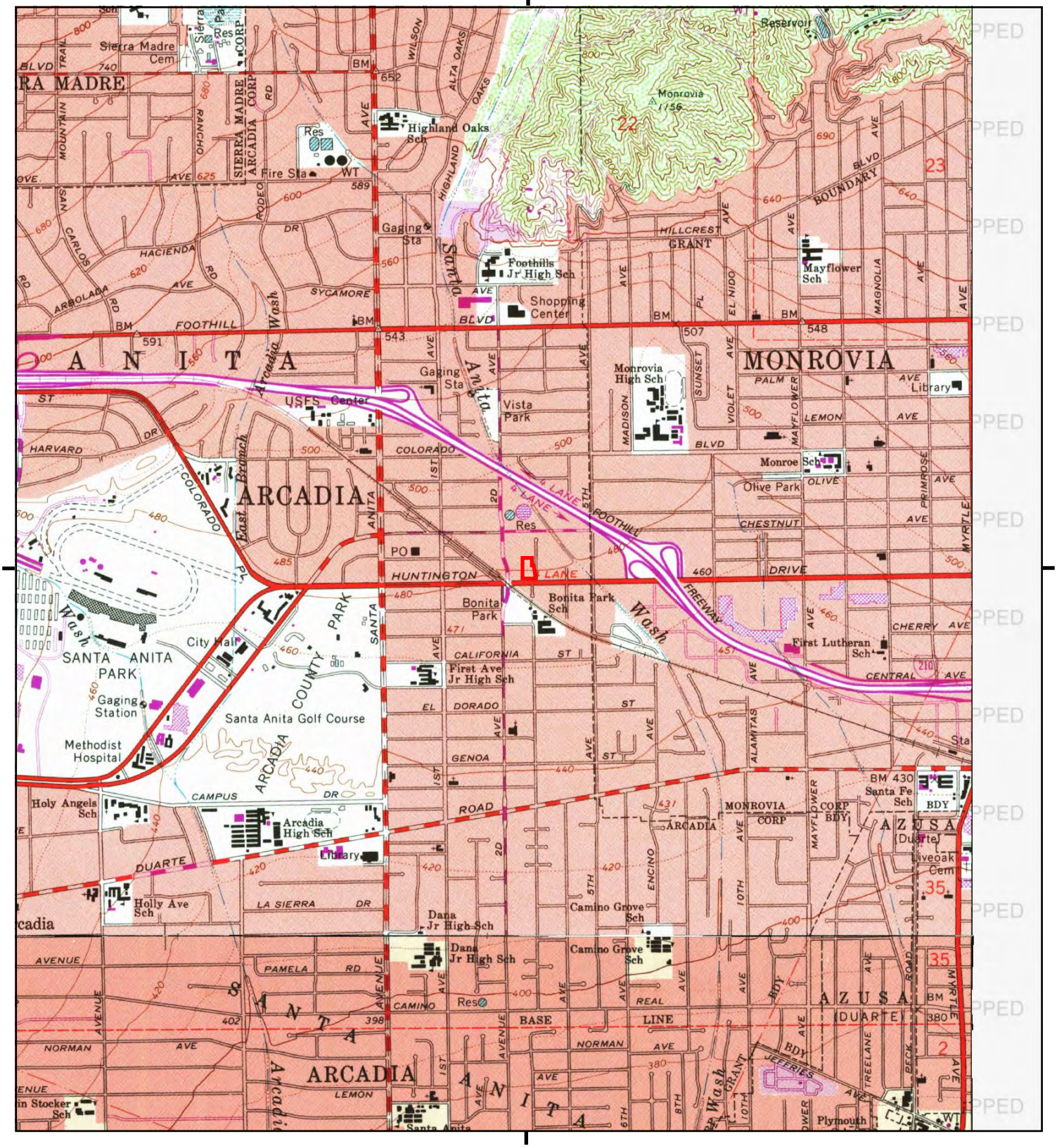
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NW N NE
W E
SW S SE

TP, Mount Wilson, 1995, 7.5-minute
NE, Azusa, 1995, 7.5-minute

SITE NAME: Elite Holdings & Associates, LLC
ADDRESS: 233 East Huntington Drive
Arcadia, CA 91006
CLIENT: CCI

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This report includes information from the following map sheet(s).

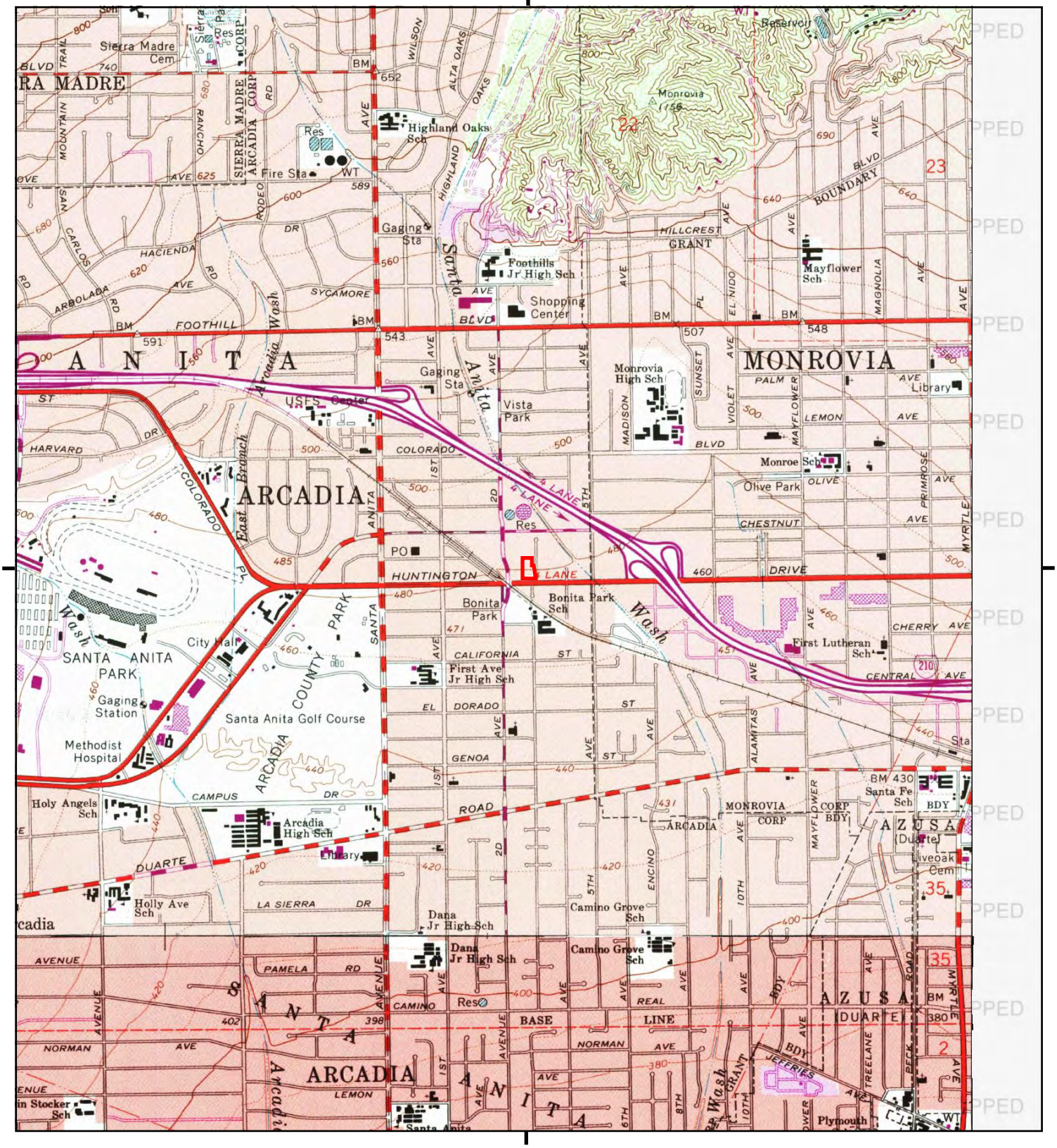
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NW N NE
W E
SW S SE

TP, Mt. Wilson, 1994, 7.5-minute
S, El Monte, 1994, 7.5-minute

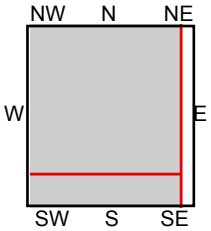
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ADDRESS: 233 East Huntington Drive
Arcadia, CA 91006
CLIENT: CCI

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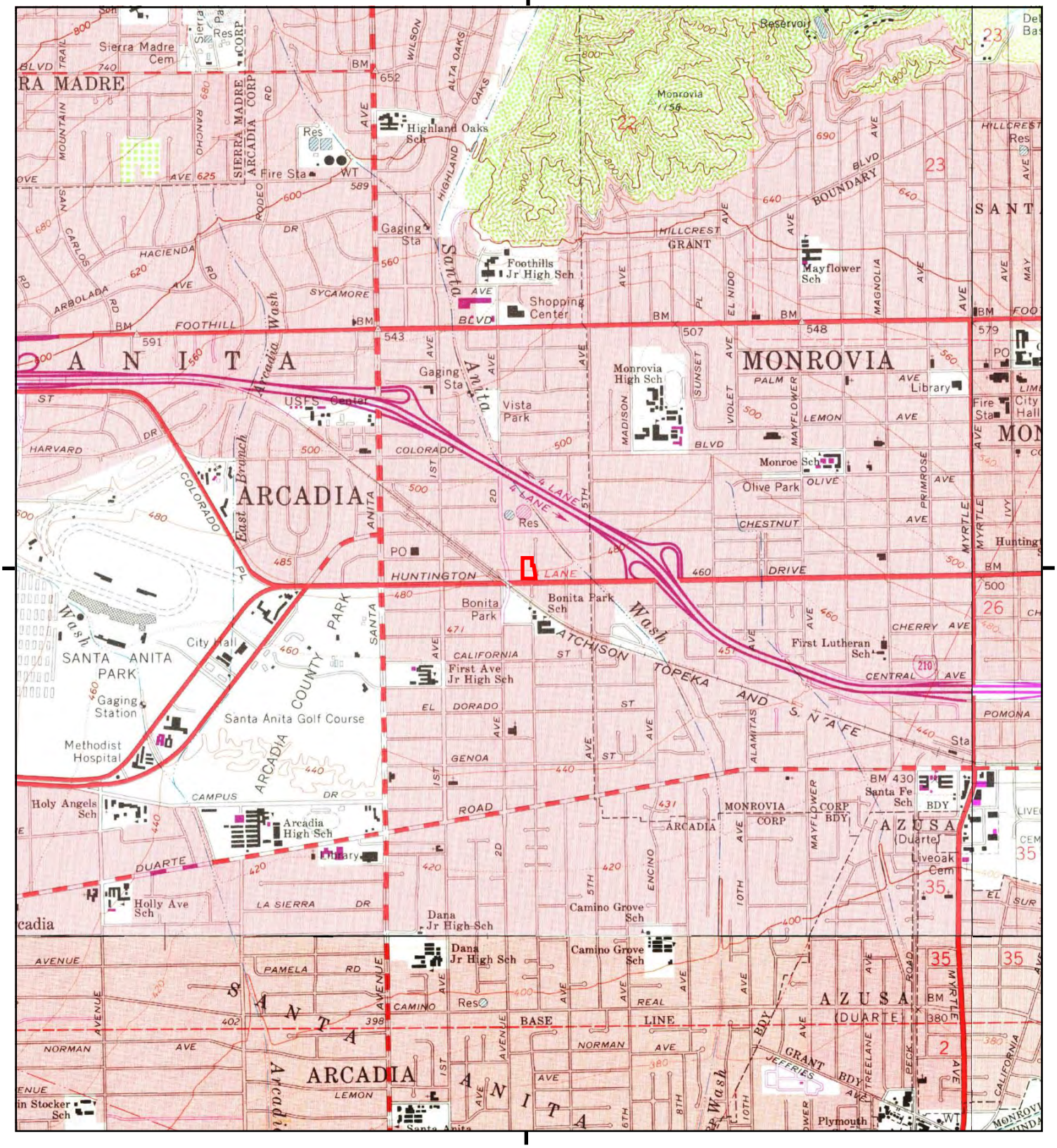
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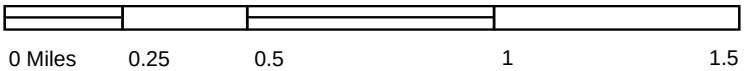
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S, El Monte, 1991, 7.5-minute

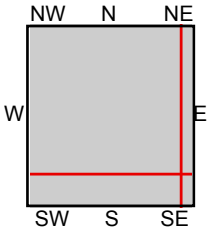
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ADDRESS: 233 East Huntington Drive
Arcadia, CA 91006
CLIENT: CCI

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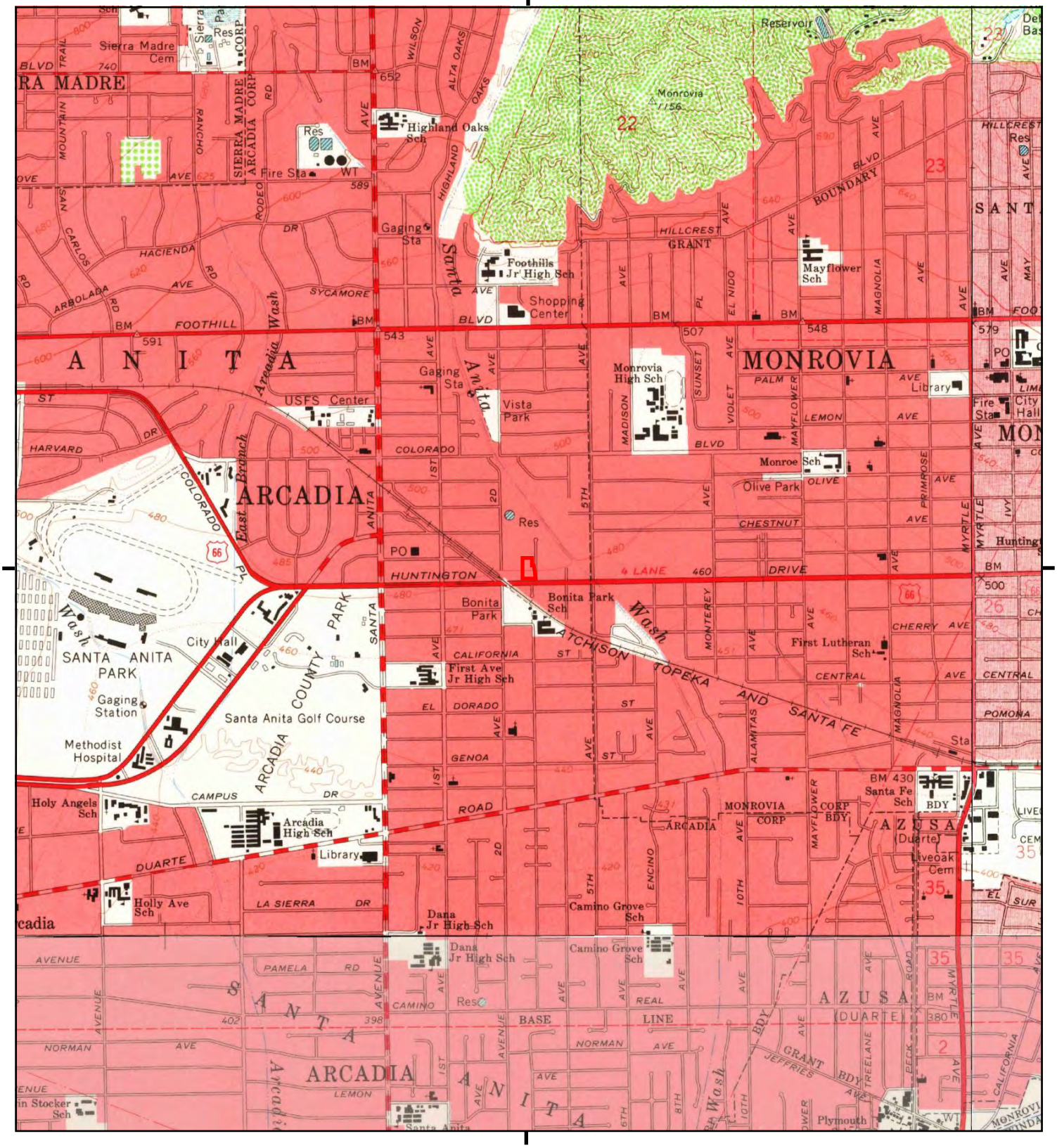
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NE, Azusa, 1972, 7.5-minute
SE, Baldwin Park, 1972, 7.5-minute
S, El Monte, 1972, 7.5-minute

SITE NAME: Elite Holdings & Associates, LLC
ADDRESS: 233 East Huntington Drive
Arcadia, CA 91006
CLIENT: CCI



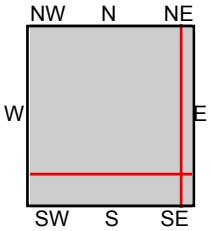
Historical Topo Map

1966



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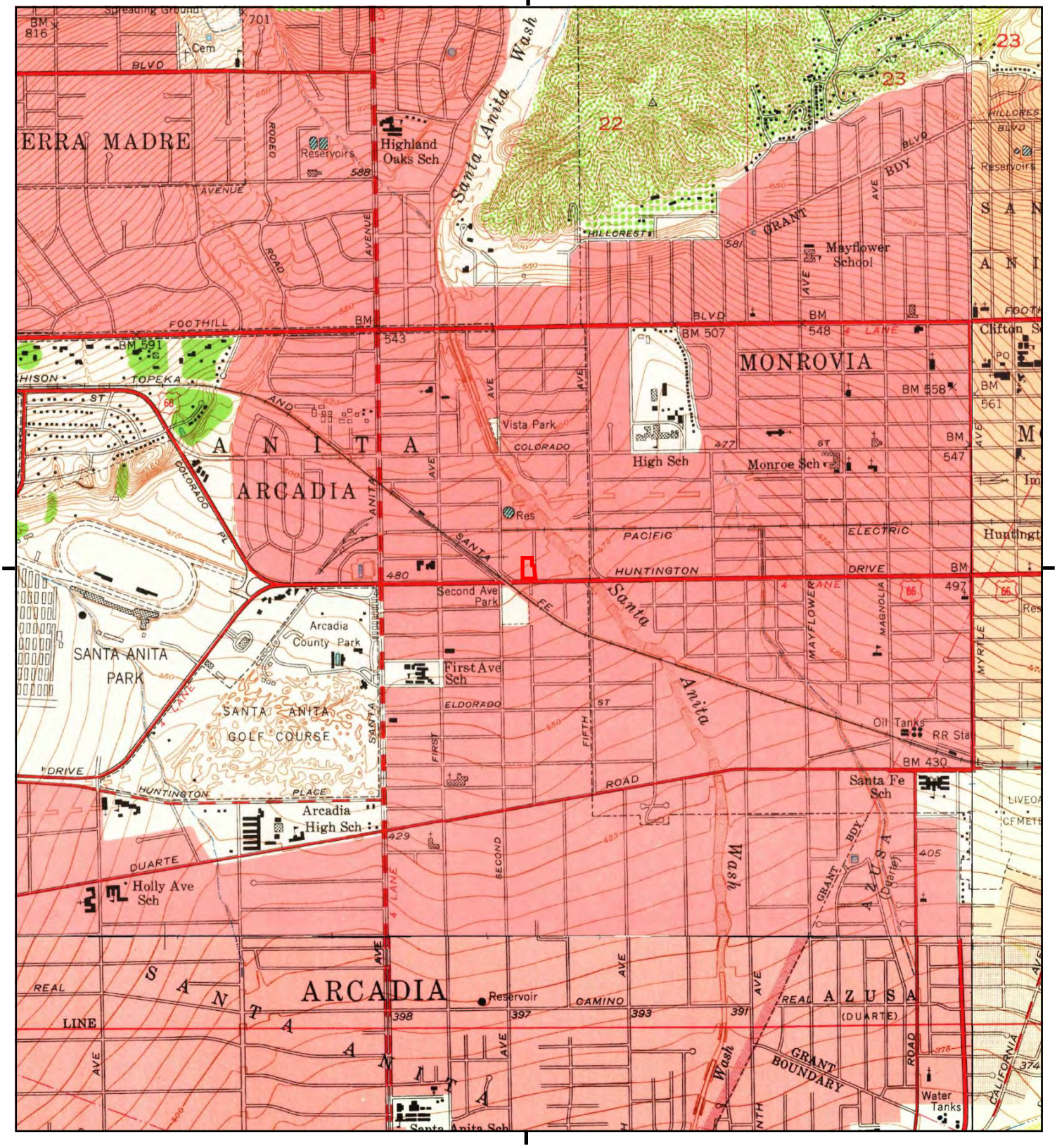
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TP, Mt. Wilson, 1966, 7.5-minute
NE, Azusa, 1966, 7.5-minute
SE, Baldwin Park, 1966, 7.5-minute
S, El Monte, 1966, 7.5-minute

SITE NAME: Elite Holdings & Associates, LLC
ADDRESS: 233 East Huntington Drive
Arcadia, CA 91006
CLIENT: CCI

N



This report includes information from the following map sheet(s).

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NW N NE
W E
SW S SE

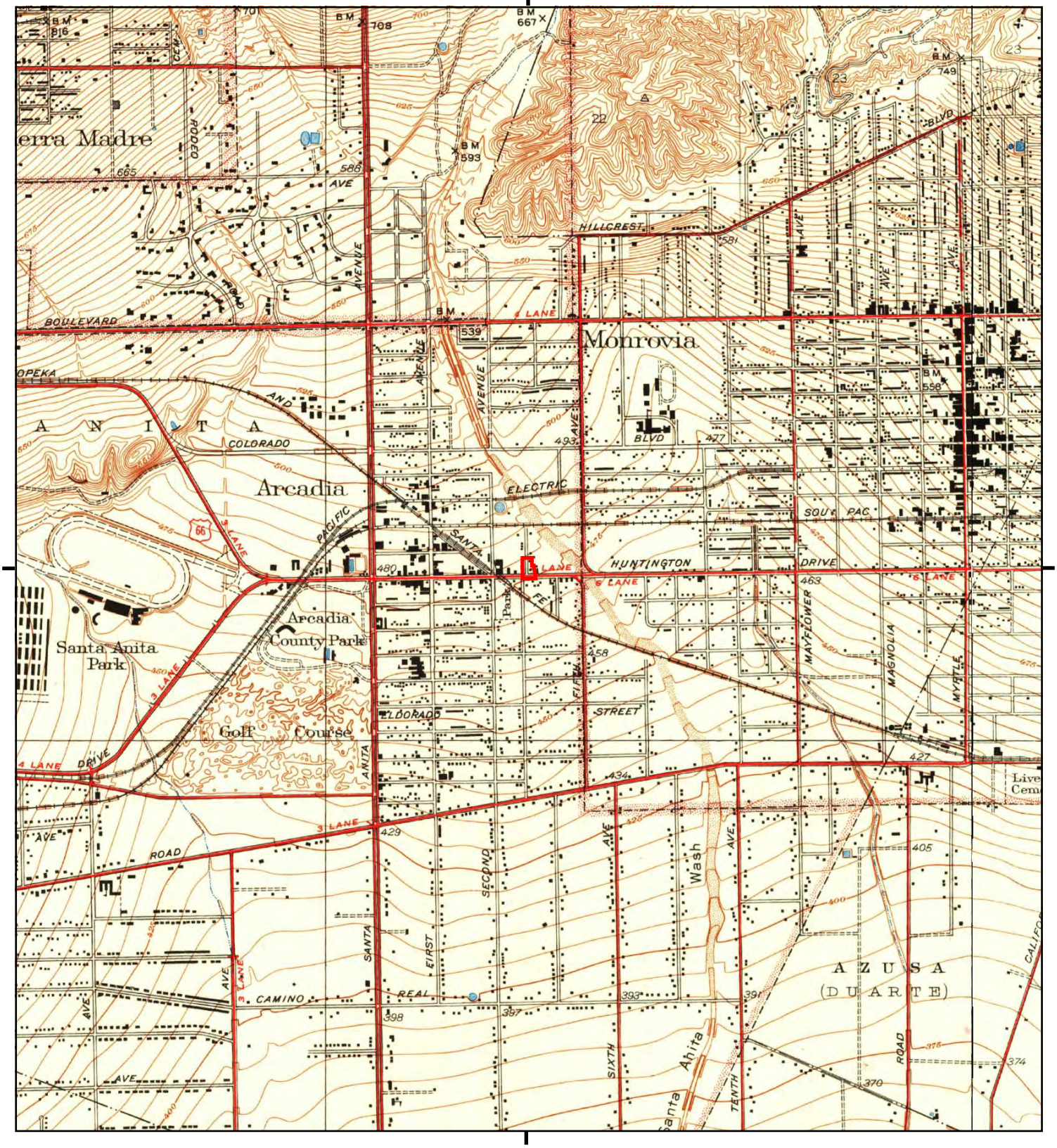
TP, Mt. Wilson, 1953, 7.5-minute
NE, Azusa, 1953, 7.5-minute
SE, Baldwin Park, 1953, 7.5-minute
S, El Monte, 1953, 7.5-minute

SITE NAME: Elite Holdings & Associates, LLC
ADDRESS: 233 East Huntington Drive
Arcadia, CA 91006
CLIENT: CCI

N

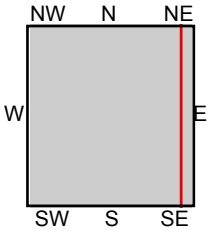
Historical Topo Map

1939, 1941



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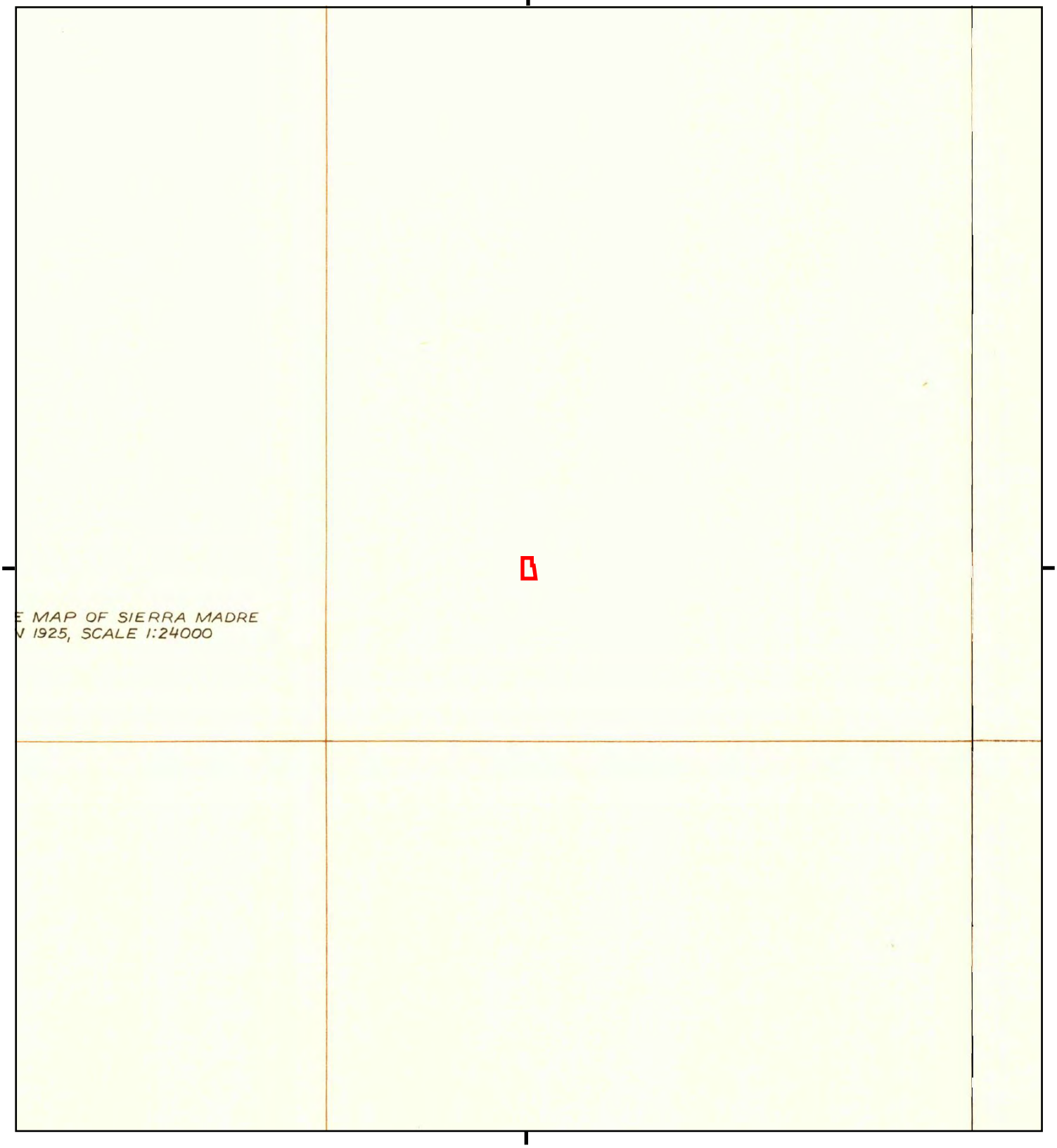
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TP, Sierra Madre, 1941, 7.5-minute
E, Azusa, 1939, 7.5-minute

SITE NAME: Elite Holdings & Associates, LLC
ADDRESS: 233 East Huntington Drive
Arcadia, CA 91006
CLIENT: CCI

N



This report includes information from the following map sheet(s).

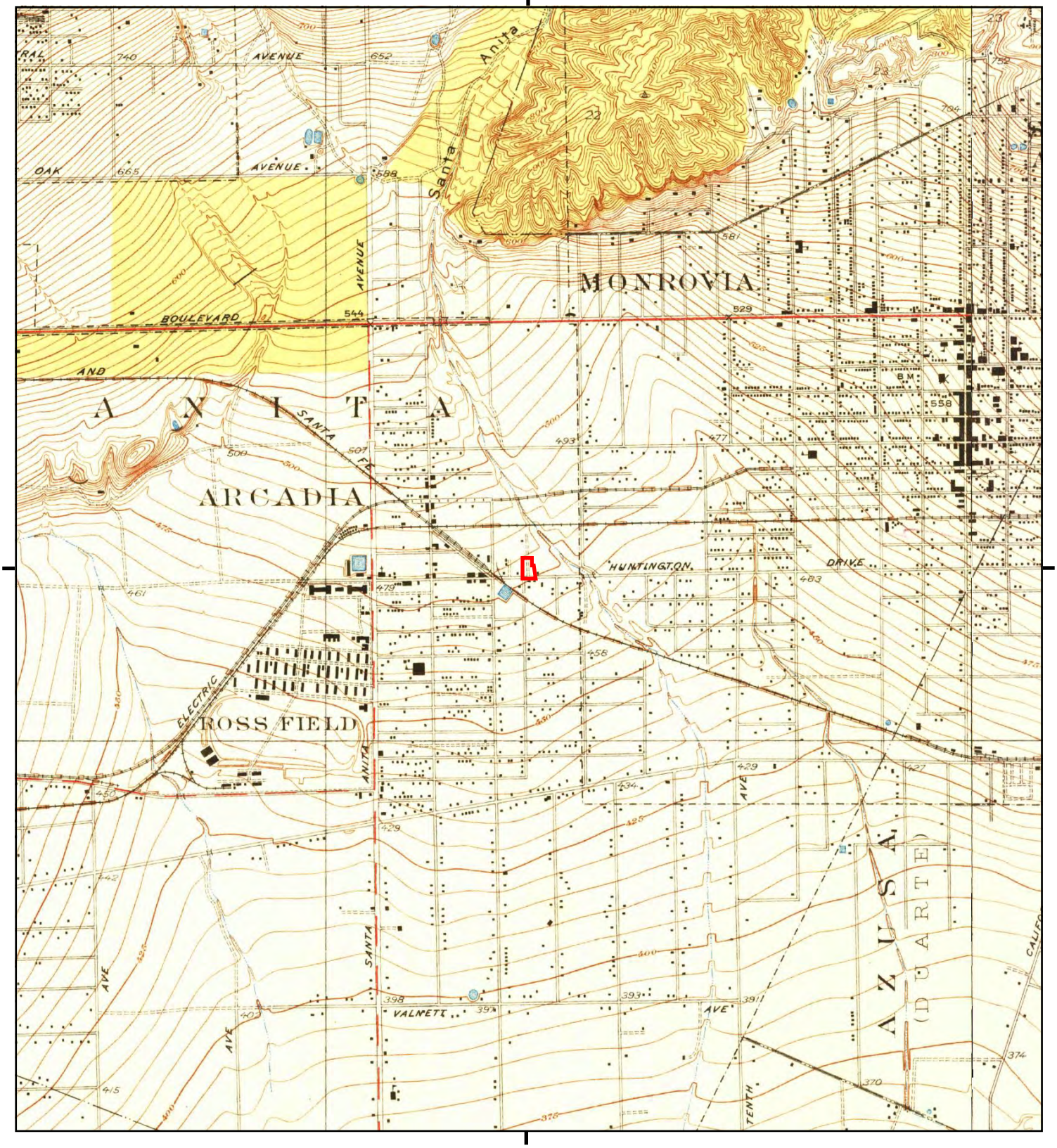
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NW N NE
W E
SW S SE

TP, Sierra Madre, 1933, 7.5-minute
E, Azusa, 1933, 7.5-minute

SITE NAME: Elite Holdings & Associates, LLC
ADDRESS: 233 East Huntington Drive
Arcadia, CA 91006
CLIENT: CCI

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Sierra Madre, 1928, 7.5-minute
E, Azusa, 1928, 7.5-minute

SITE NAME: Elite Holdings & Associates, LLC
ADDRESS: 233 East Huntington Drive
Arcadia, CA 91006
CLIENT: CCI

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Pasadena, 1900, 15-minute
TP, Los Angeles, 1900, 15-minute
E, Pomona, 1904, 15-minute

SITE NAME: Elite Holdings & Associates, LLC
ADDRESS: 233 East Huntington Drive
Arcadia, CA 91006
CLIENT: CCI

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Pasadena, 1896, 15-minute
E, Pomona, 1897, 15-minute

SITE NAME: Elite Holdings & Associates, LLC
ADDRESS: 233 East Huntington Drive
Arcadia, CA 91006
CLIENT: CCI

N

Historical Topo Map

1894



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Los Angeles, 1894, 15-minute
E, Pomona, 1894, 15-minute

SITE NAME: Elite Holdings & Associates, LLC
ADDRESS: 233 East Huntington Drive
Arcadia, CA 91006
CLIENT: CCI

N

Elite Holdings & Associates, LLC
233 East Huntington Drive
Arcadia, CA 91006

Inquiry Number: 5779247.3
September 06, 2019

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

09/06/19

Site Name:

Elite Holdings & Associates, LL
233 East Huntington Drive
Arcadia, CA 91006
EDR Inquiry # 5779247.3

Client Name:

CCI
23862 Hawthorne Boulevard
Torrance, CA 90505
Contact: David Jonas

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Certified Sanborn Results:

Certification # 5054-4873-A272

PO # NA

Project CC2271-1

Maps Provided:

1932
1929
1924

Sanborn® Library search results

Certification #: 5054-4873-A272

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- ☑ Library of Congress
- ☑ University Publications of America
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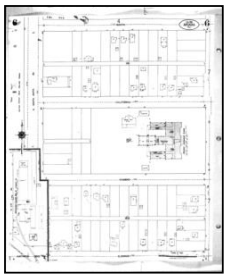
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Sanborn Sheet Key

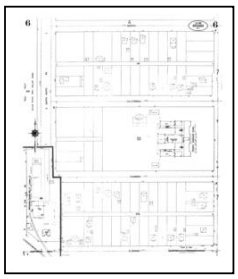
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1932 Source Sheets



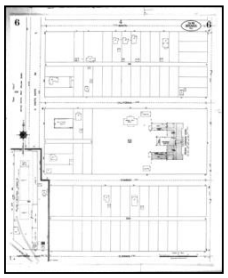
Volume 1, Sheet 6
1932

1929 Source Sheets



Volume 1, Sheet 6
1929

1924 Source Sheets

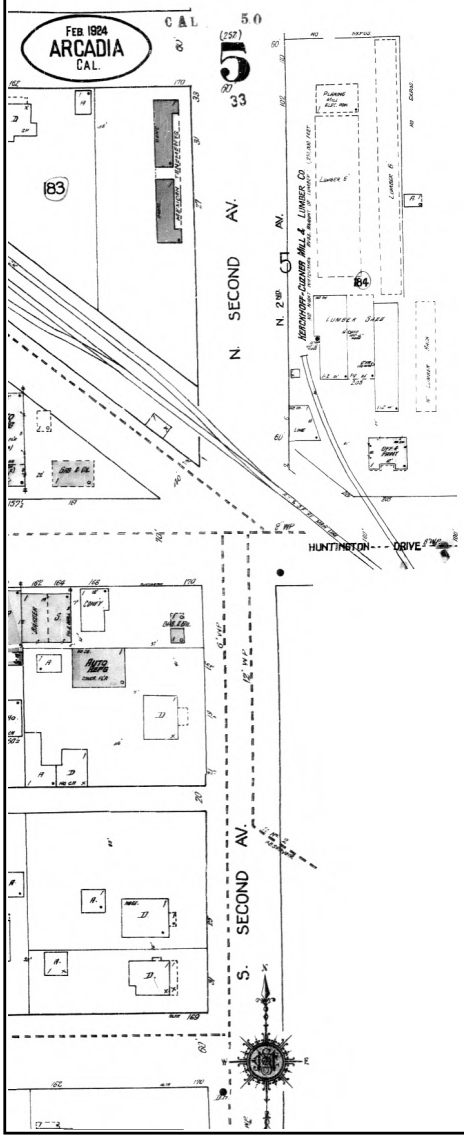


Volume 1, Sheet 6
1924

Certified Sanborn® Map

1932

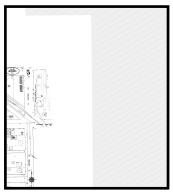
Site Name: Elite Holdings & Associates, LLC
Address: 233 East Huntington Drive
City, ST, ZIP: Arcadia, CA 91006
Client: CCI
EDR Inquiry: 5779247.3
Order Date: 09/06/2019
Certification #: 5054-4873-A272
Copyright: 1932

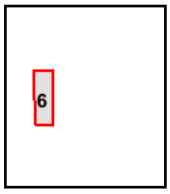


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Outlined areas indicate map sheets within the collection.





Volume 1, Sheet 6

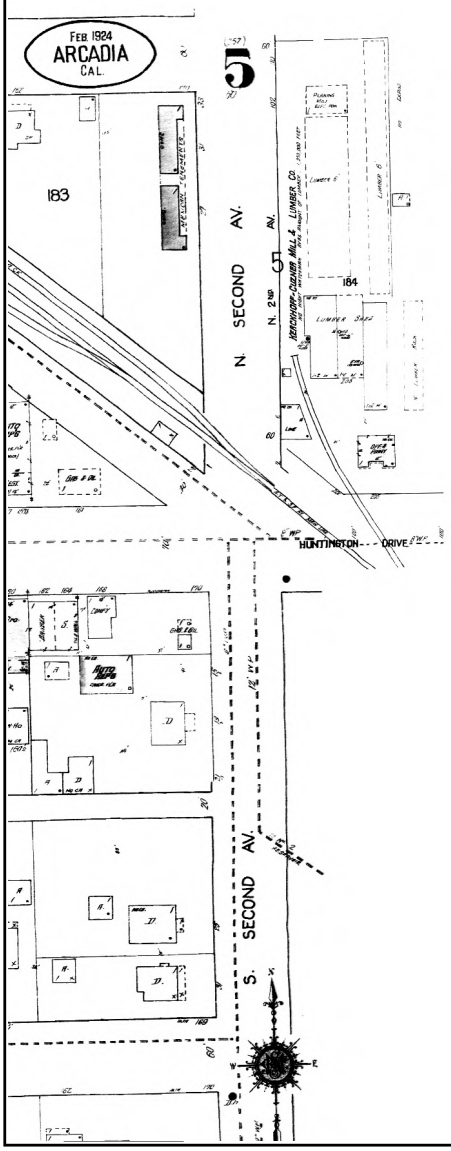
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Certified Sanborn® Map

1929

Site Name: Elite Holdings & Associates, LLC
Address: 233 East Huntington Drive
City, ST, ZIP: Arcadia, CA 91006
Client: CCI
EDR Inquiry: 5779247.3
Order Date: 09/06/2019
Certification #: 5054-4873-A272
Copyright 1929

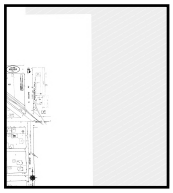


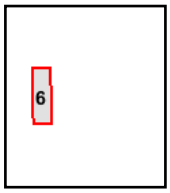
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0 Feet 150 300 600





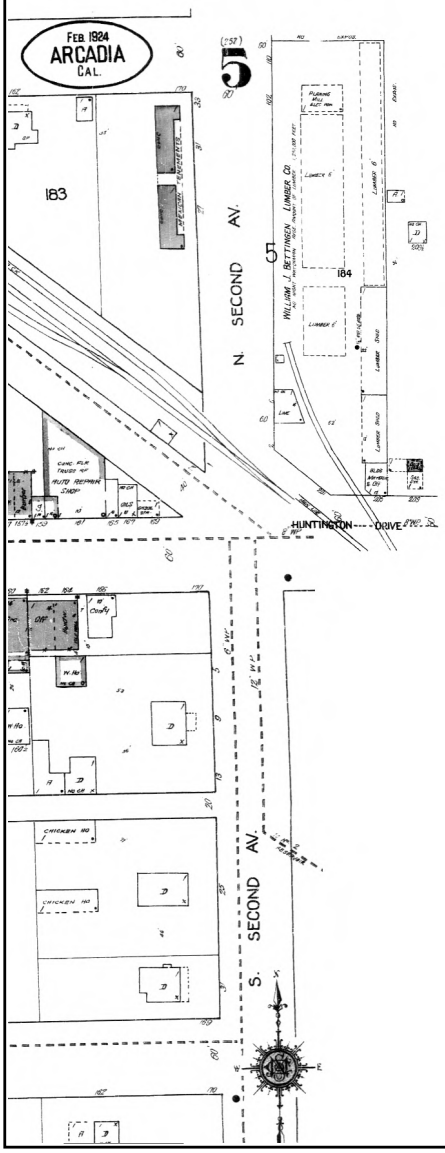
Volume 1, Sheet 6

N

Certified Sanborn® Map

1924

Site Name: Elite Holdings & Associates, LLC
Address: 233 East Huntington Drive
City, ST, ZIP: Arcadia, CA 91006
Client: CCI
EDR Inquiry: 5779247.3
Order Date: 09/06/2019
Certification #: 5054-4873-A272
Copyright 1924



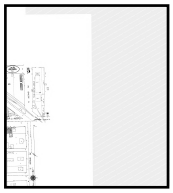
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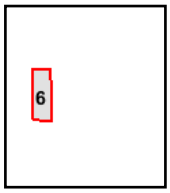
Certification #5054-4873-A272

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600

Volume 1, Sheet 6





N

Elite Holdings & Associates, LLC
233 East Huntington Drive
Arcadia, CA 91006

Inquiry Number: 5779247.5
September 06, 2019

The EDR-City Directory Abstract

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

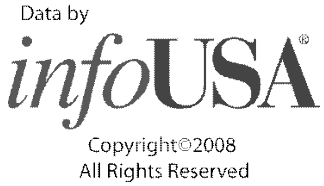
Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1920 through 2014. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 660 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Year	Source	TP	Adjoining	Text Abstract	Source Image
2014	EDR Digital Archive	-	X	X	-
	EDR Digital Archive	X	X	X	-
2010	EDR Digital Archive	-	X	X	-
	EDR Digital Archive	X	X	X	-
2006	Haines Company	-	X	X	-
	Haines Company	X	X	X	-
2004	Haines Company	-	-	-	-
2003	Haines & Company	-	-	-	-
2001	Haines & Company, Inc.	-	-	-	-
2000	Pacific Bell Telephone	-	-	-	-
1999	Haines Company	-	X	X	-
1996	GTE	-	-	-	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1995	Pacific Bell	-	X	X	-
	Pacific Bell	X	X	X	-
1992	PACIFIC BELL WHITE PAGES	-	-	-	-
1991	Pacific Bell	-	-	-	-
1990	Pacific Bell	-	X	X	-
1986	Pacific Bell	-	X	X	-
1985	Pacific Bell	-	X	X	-
	Pacific Bell	X	X	X	-
1981	Pacific Telephone	-	X	X	-
1980	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1976	Pacific Telephone	-	X	X	-
1975	GTE	-	X	X	-
	GTE	X	X	X	-
	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1972	R. L. Polk & Co.	-	-	-	-
1971	R. L. Polk & Co.	-	-	-	-
1970	Pacific Telephone	-	X	X	-
1969	Pacific Telephone	-	-	-	-
1967	R. L. Polk & Co.	-	-	-	-
1966	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1965	GTE	-	-	-	-
1964	Pacific Telephone	-	-	-	-
1963	Pacific Telephone	-	-	-	-
1962	Pacific Telephone	-	-	-	-
1961	R. L. Polk & Co.	-	-	-	-
1960	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1958	Pacific Telephone	-	-	-	-
1957	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1956	Pacific Telephone	-	-	-	-
1955	R. L. Polk & Co.	-	-	-	-
1954	R. L. Polk & Co.	-	-	-	-
1952	Los Angeles Directory Co.	-	-	-	-
1951	Los Angeles Directory Co Publishers	-	-	-	-
1950	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1949	Los Angeles Directory Co.	-	-	-	-
1948	Los Angeles Directory Co.	-	-	-	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1947	Pacific Directory Co.	-	-	-	-
1946	Southern California Telephone Co	-	-	-	-
1945	The Glendale Directory Co.	-	-	-	-
1944	R. L. Polk & Co.	-	-	-	-
1942	Los Angeles Directory Co.	-	X	X	-
1940	Los Angeles Directory Co.	-	-	-	-
1939	Los Angeles Directory Co.	-	-	-	-
1938	Los Angeles Directory Company Publishers	-	-	-	-
1937	Los Angeles Directory Co.	-	-	-	-
1936	Los Angeles Directory Co.	-	-	-	-
1935	Los Angeles Directory Co.	-	-	-	-
1934	Los Angeles Directory Co.	-	-	-	-
1933	Los Angeles Directory Co.	-	-	-	-
1932	Los Angeles Directory Co.	-	-	-	-
1931	Los Angeles Directory Company Publishers	-	-	-	-
1930	Los Angeles Directory Co.	-	-	-	-
1929	Los Angeles Directory Co.	-	-	-	-
1928	Los Angeles Directory Co.	-	-	-	-
1927	Los Angeles Directory Co.	-	-	-	-
1926	Los Angeles Directory Co.	-	-	-	-
1925	Los Angeles Directory Co.	-	-	-	-
1924	Los Angeles Directory Co.	-	-	-	-
1923	Los Angeles Directory Co.	-	-	-	-
1921	Los Angeles Directory Co.	-	-	-	-
1920	Los Angeles Directory Co.	-	-	-	-

EXECUTIVE SUMMARY

SELECTED ADDRESSES

The following addresses were selected by the client, for EDR to research. An "X" indicates where information was identified.

Address	***Type***	***Findings***
211 East Huntington Drive	Client Entered	X
300 East Huntington Drive	Client Entered	X
301 East Huntington Drive	Client Entered	X
311 East Huntington Drive	Client Entered	X
400 East Huntington Drive	Client Entered	X
420 East Huntington Drive	Client Entered	X
430 East Huntington Drive	Client Entered	X
440 East Huntington Drive	Client Entered	X

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

233 East Huntington Drive
Arcadia, CA 91006

FINDINGS DETAIL

Target Property research detail.

E Huntington Dr

233 E Huntington Dr

Year	Uses	Source
2014	DERBY RESTAURANTS INC	EDR Digital Archive
2010	DERBY RESTAURANTS INC	EDR Digital Archive

E HUNTINGTON DR

233 E HUNTINGTON DR

Year	Uses	Source
2006	DERBYTHE	Haines Company
1995	DERBY THE RESTET	Pacific Bell
	The Derby restrnt	Pacific Bell
1985	DERBY THE RESTRNT	Pacific Bell
	THE DERBY RESTRNT	Pacific Bell
1980	DERBY THE RESTRNT E HUNTINGTON DR ARCADIA	Pacific Telephone
	THE DERBY RESTRUT E HUNTINGTON DR ARCADIA	Pacific Telephone
1975	DERBY THE RESTRNT	Pacific Telephone
	ROGUES THE	Pacific Telephone
	THE DERBY RESTRNT	Pacific Telephone
1966	DERBY THE RESTRNT	Pacific Telephone
	THE DERBY RESTRNT	Pacific Telephone
1960	DERBY THE RESTRNT	Pacific Telephone
	THE DERBY RESTRNT	Pacific Telephone
1957	DERBY THE RESTRNT	Pacific Telephone
	THE DERBY RESTRNT	Pacific Telephone
1950	CAYER ROSS E MRS R	Pacific Telephone
	DERBY THE RESTRNT	Pacific Telephone

FINDINGS

Year	Uses	Source
1950	WOOLF GENEVIEVE DERBY THE RESTRNT	Pacific Telephone

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

ALTA ST

166 ALTA ST

Year	Uses	Source
1980	BLAND ROBT ALTA ST ARCADIA	Pacific Telephone

BONITA ST

212 BONITA ST

Year	Uses	Source
2006	APARTMENTS BALL Veronica	Haines Company
	DU Ming	Haines Company
	LINYi Zhao	Haines Company
	SANCHEZMartha	Haines Company
	SANTIANI Walter B	Haines Company
1999	ABEYTA C	Haines Company
	HUANG Jiang	Haines Company
1985	HASTE DANIEL	Pacific Bell
	MOLZAGHN DONN	Pacific Bell
	NORTHROP CHAS M	Pacific Bell
1980	BERMUDEZ RICHARD J BONITA ST ARCADIA	Pacific Telephone
	LOVELL MABLE BONITA ST ARCADIA	Pacific Telephone
	WOOD MILDRED D BONITA ST ARCADIA	Pacific Telephone
1975	BARTON DANNY	Pacific Telephone
	BARTON HAROLD DANL	Pacific Telephone
	PAJARES L	Pacific Telephone
	WILLIAMS JAS W	Pacific Telephone
1966	BARTON HAROLD DANL	Pacific Telephone
	RUTLEDGE JACQUELINE W	Pacific Telephone
1960	BOWEN DOROTHY MRS	Pacific Telephone
	CLARK F B	Pacific Telephone
	COOPER WM R JR	Pacific Telephone
	GRIFFITH JAS S	Pacific Telephone

FINDINGS

228 BONITA ST

Year	Uses	Source
1980	WALTERS J E BONITA ST ARCADIA	Pacific Telephone

280 BONITA ST

Year	Uses	Source
2006	MORALES Robert J	Haines Company
	RITCHIE David	Haines Company

E HUNTINGTON DR

154 E HUNTINGTON DR

Year	Uses	Source
1975	MIKES AUTO SALES	Pacific Telephone
1960	HUTCHINGS MOTORS INCS	Pacific Telephone
1957	SANTA ANITA MOTORS	Pacific Telephone

157 E HUNTINGTON DR

Year	Uses	Source
1966	SOCKMAN GARAGE	Pacific Telephone
1960	SOCKMAN GARAGE	Pacific Telephone
1950	A APPLIANCE CO	Pacific Telephone
	A APPLIANCE CO	Pacific Telephone

E Huntington Dr

159 E Huntington Dr

Year	Uses	Source
2014	UNLIMITED HOMER CARE SERVICES	EDR Digital Archive
	ARCADIA HOSPICE NETWORK INC	EDR Digital Archive
	XUAN HUIJUAN	EDR Digital Archive
	MIDLAND USA GROUP INC	EDR Digital Archive
	HILLMAN KATHLEEN	EDR Digital Archive
	IMSOURCE INC	EDR Digital Archive
	JAD INSURANCE B	EDR Digital Archive
	INTERNTNAL INVSTMENTS BUS CONS	EDR Digital Archive
	KUTCHA INTERNATIONAL INC	EDR Digital Archive
	U LINK INC	EDR Digital Archive
	WINDROSE GARDEN INC	EDR Digital Archive
	DIAMOND BEAUTY INC	EDR Digital Archive
	SALON IBARRA	EDR Digital Archive

FINDINGS

Year	Uses	Source
2014	UNLIMITED HOMER CARE SERVICES	EDR Digital Archive
	XUAN HUIJUAN	EDR Digital Archive
	MIDLAND USA GROUP INC	EDR Digital Archive
	ARCADIA HOSPICE NETWORK INC	EDR Digital Archive
	HILLMAN KATHLEEN	EDR Digital Archive
	IMSOURCE INC	EDR Digital Archive
	JAD INSURANCE B	EDR Digital Archive
	INTERNTNAL INVSTMENTS BUS CONS	EDR Digital Archive
	KUTCHA INTERNATIONAL INC	EDR Digital Archive
	WINDROSE GARDEN INC	EDR Digital Archive
	U LINK INC	EDR Digital Archive
	DIAMOND BEAUTY INC	EDR Digital Archive
	SALON IBARRA	EDR Digital Archive
2010	SALON IBARRA	EDR Digital Archive
	BETTER BARTER	EDR Digital Archive
	DIAMOND BEAUTY INC	EDR Digital Archive
	KUTCHA INTERNATIONAL INC	EDR Digital Archive
	INTERNTNAL INVSTMENTS BUS CONS	EDR Digital Archive
	U LINK INC	EDR Digital Archive
	WINDROSE GARDEN INC	EDR Digital Archive
	HILLMAN KATHLEEN	EDR Digital Archive
	CHAVEZ TILA	EDR Digital Archive
	NAILS BY LE	EDR Digital Archive
	1320 DRIFT	EDR Digital Archive
	UNLIMITED HOMER CARE SERVICES	EDR Digital Archive
	SALON IBARRA	EDR Digital Archive
	BETTER BARTER	EDR Digital Archive
	DIAMOND BEAUTY INC	EDR Digital Archive
	KUTCHA INTERNATIONAL INC	EDR Digital Archive
	U LINK INC	EDR Digital Archive
	WINDROSE GARDEN INC	EDR Digital Archive
	INTERNTNAL INVSTMENTS BUS CONS	EDR Digital Archive
	HILLMAN KATHLEEN	EDR Digital Archive
	CHAVEZ TILA	EDR Digital Archive
	1320 DRIFT	EDR Digital Archive
	UNLIMITED HOMER CARE SERVICES	EDR Digital Archive
	NAILS BY LE	EDR Digital Archive

FINDINGS

E HUNTINGTON DR

159 E HUNTINGTON DR

Year	*Uses*	*Source*
2006	VINCENTWDAVIS	Haines Company
	BUILDING BETTER BARTER	Haines Company
	CHAVEZTILAHAi R	Haines Company
	STYLIST CINDYATSALON	Haines Company
	IBARRA GEORGIO CONSTR&	Haines Company
	DVLP GEORGIO REALTY	Haines Company
	HILLMAN KATHLEEN	Haines Company
	IMAGING	Haines Company
	RESOURCES INTERNATL	Haines Company
	INVSTMNTS&BUS	Haines Company
	KUTCHA INTERNATL	Haines Company
	KUTCHA INTERNATL	Haines Company
	NAILSBYJLLRSCH	Haines Company
	ATSLNIBRRA PERSONLZDAUTO	Haines Company
	GROUP SALON COLLAGE	Haines Company
	SALON IBARRA	Haines Company
1995	Imaging Resources	Pacific Bell
	Imaging Resources	Pacific Bell
	Infinity Tours & Travel	Pacific Bell
	Kerr Printing Co	Pacific Bell
	Kutcha Internatl Inc	Pacific Bell
	Kutcha International Inc	Pacific Bell
	From Montebello Telephones Call	Pacific Bell
	Kutchagaew N	Pacific Bell
	Professional Staffing	Pacific Bell
	Studio AD	Pacific Bell
	GEORGIO CONSTRUCTION & DEVELOPMENT CO	Pacific Bell
	GEORGIOREALTY	Pacific Bell
	GEORGLO REAITY INTERNATLOSOAL	Pacific Bell
	IMAGING RESOURCES	Pacific Bell
	IMAGING RESOURCES	Pacific Bell
	INFINITY TOURS & TRAVEL	Pacific Bell
	INTERNATI INVESTMENTS & BUSINESS CONSULTANTS	Pacific Bell
	KERR PRINTING CO	Pacific Bell

FINDINGS

Year	Uses	Source
1995	KUTCHA INTERNATL INC	Pacific Bell
	KUTCHA INTERNATIONAL INC	Pacific Bell
	PROFESSIONAL STAFFING	Pacific Bell
	STATE FARM INSURANCE COMPANIES ARCADIA	Pacific Bell
	STUDIO AD	Pacific Bell
	MILVERSTED DICK INS	Pacific Bell
1985	DESIGN DRAFTING INC	Pacific Bell
	HENRY MR	Pacific Bell
	INFINITY TOURS & TRAVEL	Pacific Bell
	LOPEZ MICHAEL	Pacific Bell
	MARTIN NANCY ALISON PERSONAL PROPERTY APPRAISALS	Pacific Bell
	MIL VERSTED DICK INS	Pacific Bell
	MR HENRY	Pacific Bell
	PAPER MILL PRINTERS THE	Pacific Bell
	STATE FARM INSURANCE COMPANIES	Pacific Bell
	WITT H E CO	Pacific Bell
1981	COMPREHENSIVE REHABILITATION SERVICES INC ARCADIA	Pacific Telephone
1980	COMPREHENSIVE REHABILITATION SERVICES INC E HUNTINGTON DR ARCADIA	Pacific Telephone
	HARRIMAN JACK INS E HUNTINGTON DR ARCADIA	Pacific Telephone
	HARRIMAN JACK & ASSOCIATES E HUNTINGTON DR ARCADIA	Pacific Telephone
	MANZANARES JOSEPH INS AGT E HUNTINGTON DR ARCADIA	Pacific Telephone
	MIL VERSTED DICK INS E HUNTINGTON DR ARCADIA	Pacific Telephone
	MR HENRY E HUNTINGTON DR ARCADIA	Pacific Telephone
	PERKINS BRUCE INS E HUNTINGTON DR ARCADIA	Pacific Telephone
	STATE FARM INSURANCE COMPANIES LOCAL AGENTS	Pacific Telephone
1966	SANTA ANITA SERVICE	Pacific Telephone
1960	E & E FLYING A SERV SERV STN	Pacific Telephone
1957	HURN S FLYING A SERV	Pacific Telephone
	SOCKMAN GARAGE	Pacific Telephone
1950	SOCKMANS GARAGE & FILLING STATION	Pacific Telephone

Year	Uses	Source
1950	SOCKMANS GARAGE & FILLING STATION	Pacific Telephone

160 E HUNTINGTON DR

Year	Uses	Source
1985	CALIF FLOOR COVERING	Pacific Bell
	PERRY & THOMPSON KITCHENS	Pacific Bell
1980	DESIGN DRAFTING E HUNTINGTON DR ARCADIA	Pacific Telephone
1975	EQUINE EQUIP CORP	Pacific Telephone
	CAMPUS SADDLERY INC	Pacific Telephone
	CAMPAS SADDLERY INC	Pacific Telephone
	EQUINE MEDICAL SERVICES	Pacific Telephone
1966	ARCADIA WHEEL & HOBBY SHOP	Pacific Telephone
1960	ARCADIA WHEEL & HOBBY SHOP	Pacific Telephone
1957	ARCADIA WHEEL & HOBBY SHOPS	Pacific Telephone
	ARCADIA HOHHY & WHEEL SHOPS	Pacific Telephone
1950	GAWNE CYCLE & MODEL SHOP	Pacific Telephone
	GAWNE CYCLE & MODEL SHOP	Pacific Telephone

162 E HUNTINGTON DR

Year	Uses	Source
1985	HARO RICHARD ARTET	Pacific Bell
1980	HARO RICHARD ARTST E HUNTINGTON DR ARCADIA	Pacific Telephone
1975	BOOGIE MUSIC DISCOUNT RECORDS	Pacific Telephone
1966	VANS BARBER SHOP	Pacific Telephone
1960	VAN S BARBER SHOP	Pacific Telephone
1957	VAN S BARBER SHOP	Pacific Telephone
1950	VAN S BARBER SHOP	Pacific Telephone
	VAN S BARBER SHOP	Pacific Telephone

164 E HUNTINGTON DR

Year	Uses	Source
1980	PARCELLS GEO S DC E HUNTINGTON DR ARCADIA	Pacific Telephone
1975	PARCELLS GEO S DC	Pacific Telephone
1966	PARCELLS GEO S DC	Pacific Telephone
1960	PARCELLS GEO S DC	Pacific Telephone
1957	PARCELLS GEO S DC	Pacific Telephone
1950	PARCELLS GEO S DC	Pacific Telephone

FINDINGS

Year	Uses	Source
1950	PARCELLS GEO S DC	Pacific Telephone

E Huntington Dr

166 E Huntington Dr

Year	Uses	Source
2014	OUTBACK STEAKHOUSE FLORIDA INC	EDR Digital Archive
	OUTBACK STEAKHOUSE FLORIDA INC	EDR Digital Archive
2010	OUTBACK STEAKHOUSE OF FLORIDA	EDR Digital Archive
	OUTBACK STEAKHOUSE OF FLORIDA	EDR Digital Archive

E HUNTINGTON DR

166 E HUNTINGTON DR

Year	Uses	Source
2006	OUTBACK	Haines Company
	STEAKHOUSE	Haines Company
1950	COTTAGE DELICATESSEN	Pacific Telephone
	COTTAGE DELICATESSEN	Pacific Telephone

170 E HUNTINGTON DR

Year	Uses	Source
1950	BEST GARAGE & SERV STANTON	Pacific Telephone
	BEST GARAGE & SERV STANTON	Pacific Telephone

E Huntington Dr

211 E Huntington Dr

Year	Uses	Source
2014	MOONLAKE GIFTS & NOVELTIES	EDR Digital Archive
	SANTA ANA RSTAURANT OPERATIONS	EDR Digital Archive
	ARCADIA HOTEL VENTURE LP	EDR Digital Archive
	HILTON WORLDWIDE INC	EDR Digital Archive
	SANTA ANA RSTAURANT OPERATIONS	EDR Digital Archive
	ARCADIA HOTEL VENTURE LP	EDR Digital Archive
	HILTON WORLDWIDE INC	EDR Digital Archive
	MOONLAKE GIFTS & NOVELTIES	EDR Digital Archive
2010	MOONLAKE GIFTS & NOVELTIES	EDR Digital Archive
	KULAK BEN	EDR Digital Archive
	ARCADIA HOTEL VENTURE LP	EDR Digital Archive

Year	Uses	Source
2010	HILTON HOTELS CORPORATION	EDR Digital Archive
	SWALLOWS INC	EDR Digital Archive
	SANTA ANA RSTAURANT OPERATIONS	EDR Digital Archive
	ARCADIA HOTEL VENTURE LP	EDR Digital Archive
	HILTON HOTELS CORPORATION	EDR Digital Archive
	KULAK BEN	EDR Digital Archive
	SWALLOWS INC	EDR Digital Archive
	SANTA ANA RSTAURANT OPERATIONS	EDR Digital Archive
	MOONLAKE GIFTS & NOVELTIES	EDR Digital Archive

E HUNTINGTON DR

211 E HUNTINGTON DR

Year	Uses	Source
2006	CAPISTRANOS	Haines Company
	CATERING CAPISTRANOS	Haines Company
	RESTAURANT EMBASSY SUITES	Haines Company
	ARCADIA	Haines Company
	MOONLAKE GIFT	Haines Company
	AND NOVELTIES SEARS CAR	Haines Company
	TRUCK RENTAL	Haines Company
1995	Granada Royale Hometel Embassy Suites	Pacific Bell
	Granada Royale Hometels For Reservations No Charge To Calling Party	Pacific Bell
	Granade Christine & Paul Arc	Pacific Bell
	Granade Gary & Sheryl Arc	Pacific Bell
	Uptown Gifts	Pacific Bell
	Velvet Turtle The restrnt	Pacific Bell
	GRANADA ROYALE HOMETEL-EMBASSY SUITES	Pacific Bell
	UPTOWN GIFTS	Pacific Bell
	VELVET TURTLE THE RESTRNT	Pacific Bell
	BUDGET CAR & TRUCK RENTAL	Pacific Bell
	EMBASSY SUITES HOTEL	Pacific Bell
1990	EMBASSY SUITES HOTEL HOTELS	Pacific Bell
	GRANADA ROYALE HOMETEL-EMBASSY SUITES ARCADIA	Pacific Bell
1986	EMBASSY SUITES HOTEL HOTELS	Pacific Bell
	GRANADA ROYALE HOMETEL EMBASSY SUITES ARCADIA	Pacific Bell

FINDINGS

Year	Uses	Source
1986	HERTZ RENT A CAR RENTAL LOCATIONS ARCADIA GRANADA ROYALE HOMETEL ARCADIA	Pacific Bell
1985	HERTZ RENT A CAR	Pacific Bell
	EMBASSY SUITES	Pacific Bell
	HERTZ RENT A CAR RENTAL LOCATIONS	Pacific Bell
	VELVET TURTLE THE RESTRNT	Pacific Bell
	ROYALE PARROTT THE	Pacific Bell
	HERTZ RENT A CAR RENTAL LOCATIONS	Pacific Bell
	GRANADA ROYALE HOMETEL-EMBASSY SUITES	Pacific Bell

215 E HUNTINGTON DR

Year	Uses	Source
1966	ARCADIA CITY REFUSE SERV CO	Pacific Telephone
	CITY REFUSE SERV CO	Pacific Telephone
1960	ARCADIA CITY REFUSE SERV CO	Pacific Telephone
	CITY REFUSE SERV CO	Pacific Telephone
1957	CITY REFUSE SERV CO	Pacific Telephone
1950	MILLER MILDRED	Pacific Telephone
	MODERN INSULATION CO	Pacific Telephone
	MILLER MILDRED	Pacific Telephone
	MODERN INSULATION CO	Pacific Telephone

217 E HUNTINGTON DR

Year	Uses	Source
1966	BLANCHARD CO INC	Pacific Telephone
1957	BLANCHARD CO	Pacific Telephone

218 E HUNTINGTON DR

Year	Uses	Source
1985	KLECKNER ROBT F	Pacific Bell
1980	KLECKNER ROBT F E HUNTINGTON DR ARCADIA	Pacific Telephone
1975	KLECKNER ROBT F	Pacific Telephone
1966	KLECKNER ROBT F	Pacific Telephone
1960	KLECKNER ROBT F	Pacific Telephone
1957	KLECKNER ROBT F	Pacific Telephone

FINDINGS

219 E HUNTINGTON DR

Year	Uses	Source
1950	NOTTINGHAM M C CO CHEML TOILTS	Pacific Telephone
	NOTTINGHAM M C CO CHEML TOILTS	Pacific Telephone

222 E HUNTINGTON DR

Year	Uses	Source
1957	HAND-Y MAN CAR WASH	Pacific Telephone
1950	DERBY MOTORS USED CATS	Pacific Telephone
	DERBY MOTORS USED CATS	Pacific Telephone

223 E HUNTINGTON DR

Year	Uses	Source
1950	BAKER SEPTIC TANK CO	Pacific Telephone
	BAKER SEPTIC TANK CO	Pacific Telephone

231 E HUNTINGTON DR

Year	Uses	Source
1995	I Ralphs Florist Pasadena	Pacific Bell
	Ralphs Florist	Pacific Bell
1966	WALKER ARCH T	Pacific Telephone
	ARCH THE TAILOR	Pacific Telephone
1960	WALKER ARCH T	Pacific Telephone
	ARCH THE TAILOR	Pacific Telephone
1957	REINEMAN HOWARD	Pacific Telephone
1950	REINEMAN HOWARD R	Pacific Telephone
	REINEMAN HOWARD R	Pacific Telephone

260 E HUNTINGTON DR

Year	Uses	Source
1995	von Allou Salon For Hair	Pacific Bell

285 E HUNTINGTON DR

Year	Uses	Source
1985	GONZALES SAL	Pacific Bell

E Huntington Dr

300 E Huntington Dr

Year	Uses	Source
2014	STARBUCKS CORPORATION	EDR Digital Archive

Year	Uses	Source
2014	STARBUCKS CORPORATION	EDR Digital Archive
2010	STARBUCKS CORPORATION	EDR Digital Archive
	STARBUCKS CORPORATION	EDR Digital Archive

E HUNTINGTON DR

300 E HUNTINGTON DR

Year	Uses	Source
2006	STARBUCKS	Haines Company
	COFFEE	Haines Company
1995	FAST FRAME ARCADIA	Pacific Bell
	FASTFRAME ARCADIA	Pacific Bell
	Arcadia	Pacific Bell
	Arcadia	Pacific Bell
1981	CLEAN & CLEAR & CROWN CITY POOL SERVICE ARCADIA	Pacific Telephone
1980	CLEAN & CLEAR & CROWN CITY POOL SERVICE E HUNTINGTON DR ARCADIA	Pacific Telephone
1975	CLEAN & CLEAR POOL SERVICE CO	Pacific Telephone
	CLEAN & CLEAR & CROWN CITY POOL SERVICE	Pacific Telephone
1966	CLEAN & CLEAR POOL SERV CO	Pacific Telephone
	CLEAN & CLEAR POOL SEW CO	Pacific Telephone
1960	CLEAN & CLEAR POOL SERV CO	Pacific Telephone
1957	VAUGHN K W DECOR	Pacific Telephone

E Huntington Dr

301 E Huntington Dr

Year	Uses	Source
2014	GARDEN FRESH RESTAURANT CORP	EDR Digital Archive
	INNER STRENGTH PILATES LLC	EDR Digital Archive
	INNER STRENGTH PILATES LLC	EDR Digital Archive
	GARDEN FRESH RESTAURANT CORP	EDR Digital Archive
2010	GARDEN FRESH RESTAURANT CORP	EDR Digital Archive
	GARDEN FRESH RESTAURANT CORP	EDR Digital Archive

FINDINGS

E HUNTINGTON DR

301 E HUNTINGTON DR

Year	Uses	Source
2006	SOUPLANTATION	Haines Company
1995	SOUPLANTATION	Pacific Bell
1966	ARCADIA MOTORS	Pacific Telephone
1960	UNION OIL DLRS	Pacific Telephone
	LOWELL & STOUT UNION SERV	Pacific Telephone
1957	LOWELL & STOUT UNION SERV	Pacific Telephone
1950	PUTMAN A E SERV STN	Pacific Telephone
	PUTMAN A E SERV STN	Pacific Telephone

E Huntington Dr

302 E Huntington Dr

Year	Uses	Source
2014	CLK INTERNATIONAL INC	EDR Digital Archive
	CLK INTERNATIONAL INC	EDR Digital Archive
2010	CLK INTERNATIONAL INC	EDR Digital Archive
	CLK INTERNATIONAL INC	EDR Digital Archive

E HUNTINGTON DR

302 E HUNTINGTON DR

Year	Uses	Source
2006	MAKI&SUSHI	Haines Company
	ARCADIA	Haines Company
1995	Salsa Del Rio	Pacific Bell
	SALSA DEL RIO	Pacific Bell
1975	TWISTO-WIRE FIRE SYSTEMS INC	Pacific Telephone
1966	TWISTO-WIRE FIRE SYSTEMS INC	Pacific Telephone
1960	SKLAR REUBEN C CPA	Pacific Telephone

E Huntington Dr

304 E Huntington Dr

Year	Uses	Source
2014	KEDRA SOLUTIONS	EDR Digital Archive
	SALON OF PARIS	EDR Digital Archive
	SALON OF PARIS	EDR Digital Archive

FINDINGS

Year	Uses	Source
2014	KEDRA SOLUTIONS	EDR Digital Archive
2010	SALON OF PARIS	EDR Digital Archive
	SALON OF PARIS	EDR Digital Archive

E HUNTINGTON DR

304 E HUNTINGTON DR

Year	Uses	Source
2006	DINASOUEIDAN	Haines Company
	SALON OF PARIS	Haines Company
1995	CELLULAR SERVICES	Pacific Bell
	Cellular Services	Pacific Bell
	Cellular Telecom	Pacific Bell
	Cellular Telephone Solutions	Pacific Bell
	From Glendale Telephones Call	Pacific Bell
1986	RENTYPE INC ARCADIA	Pacific Bell
1985	RENTYPE INC	Pacific Bell
	RENTYPE INC OFC EQUIP	Pacific Bell
1981	RENTYPE INC ARCADIA	Pacific Telephone
1980	RENTYPE INC E HUNTINGTON DR ARCADIA	Pacific Telephone
1975	RENTYPE INC	Pacific Telephone
1970	FENWAL INCORPORATED DIVISION OF WALTER KIDDE & COMPANY INC PROTCTN SYSTM	Pacific Telephone
	FENWAL INCORPORATED DIVISION OF WALTER KIDDE & COMPANY INC PROTCTN SYSTM	Pacific Telephone
1960	FARMERS NEW WORLD LIFE INS CO INS	Pacific Telephone
	FIRE INS EXCH	Pacific Telephone
	PAULSON A B INS	Pacific Telephone
	TRUCK INS EXCH	Pacific Telephone
1957	FIRE INS EXCH	Pacific Telephone
	MUNSON A J INS	Pacific Telephone
	TRUCK INS EXCH	Pacific Telephone

E Huntington Dr

308 E Huntington Dr

Year	Uses	Source
2014	SESAME GRILL	EDR Digital Archive

FINDINGS

Year	Uses	Source
2014	SESAME GRILL	EDR Digital Archive
2010	SESAME GRILL	EDR Digital Archive
	SESAME GRILL	EDR Digital Archive

E HUNTINGTON DR

308 E HUNTINGTON DR

Year	Uses	Source
2006	SESAME GRILL	Haines Company
1995	Smoochs Deli & Grill	Pacific Bell
	SMOOCH S DELI & GRILL	Pacific Bell
1966	HANSON JOHN R SIGNS	Pacific Telephone

310 E HUNTINGTON DR

Year	Uses	Source
2006	3 DAY BLINDS	Haines Company
1995	Arcadia	Pacific Bell
	3DAY BLINDS	Pacific Bell
1985	ARCADIA MUFFLER SERVICE	Pacific Bell
1980	ARCADIA MUFFLER SERVICE E HUNTINGTON DR ARCADIA	Pacific Telephone
1975	ARCADIA MUFFLER SERVICE	Pacific Telephone
1966	ARCADIA MUFFLER SERVICE	Pacific Telephone
1960	MALER PLUMBING & HEATING	Pacific Telephone
1957	MALER PLUMBNG & HEATING	Pacific Telephone
	MILLER KATHRYN L	Pacific Telephone
1950	MALEIR MANUEL MRS R	Pacific Telephone
	MALER PLUMBNG CO	Pacific Telephone
	MILLER KATHRYN L R	Pacific Telephone
	MALEIR MANUEL MRS R	Pacific Telephone
	MALER PLUMBNG CO	Pacific Telephone
	MILLER KATHRYN L R	Pacific Telephone

E Huntington Dr

311 E Huntington Dr

Year	Uses	Source
2014	HEPRAND HOSPITALITY INC	EDR Digital Archive
	HAMPTON INNS INC	EDR Digital Archive
	HEPRAND HOSPITALITY INC	EDR Digital Archive

Year	Uses	Source
2014	HAMPTON INNS INC	EDR Digital Archive
2010	HEPRAND HOSPITALITY INC	EDR Digital Archive
	HAMPTON INNS INC	EDR Digital Archive
	HEPRAND HOSPITALITY INC	EDR Digital Archive
	HAMPTON INNS INC	EDR Digital Archive

E HUNTINGTON DR

311 E HUNTINGTON DR

Year	Uses	Source
2006	HAMPTONINN	Haines Company
	ARCADIA PREMIER	Haines Company
	MANAGEMENT	Haines Company
1995	L Hampton Inn Arcadia	Pacific Bell
	HAMPTON INN ARCADIA	Pacific Bell
1950	ARCADIA GLASS & MIRROR CO	Pacific Telephone
	HOWELL L R ARCADIA GLASS & MIRROR CO	Pacific Telephone
	ARCADIA GLASS & MIRROR CO	Pacific Telephone
	HOWELL L R ARCADIA GLASS & MIRROR CO	Pacific Telephone

E Huntington Dr

312 E Huntington Dr

Year	Uses	Source
2014	TOGOS EATERY	EDR Digital Archive
	TOGOS EATERY	EDR Digital Archive
2010	ALOISIO & SONS INC	EDR Digital Archive
	TOGOS EATERY	EDR Digital Archive
	ALOISIO & SONS INC	EDR Digital Archive
	TOGOS EATERY	EDR Digital Archive

E HUNTINGTON DR

312 E HUNTINGTON DR

Year	Uses	Source
2006	TOGOS EATERY	Haines Company
1975	CLARK WM J ATTY	Pacific Telephone
1960	TURMON WILMA	Pacific Telephone
1950	UPDEGRAFF W C R	Pacific Telephone

Year	Uses	Source
1950	UPDEGRAFF W C R	Pacific Telephone

313 E HUNTINGTON DR

Year	Uses	Source
1985	MR BUILD ALLISON CONSTRUCTION	Pacific Bell
1980	KARMAN COMMUNICATIONS E HUNTINGTON DR ARCADIA	Pacific Telephone
1975	MAINLINE KITCHENS	Pacific Telephone
1960	FIX IT SHOP	Pacific Telephone

E Huntington Dr

314 E Huntington Dr

Year	Uses	Source
2014	NIRVANA INDIAN RESTAURANT	EDR Digital Archive
	HS RAJA INC	EDR Digital Archive
	NIRVANA INDIAN RESTAURANT	EDR Digital Archive
	HS RAJA INC	EDR Digital Archive
2010	NIRVANA INDIAN RESTAURANT	EDR Digital Archive
	NIRVANA INDIAN RESTAURANT	EDR Digital Archive

E HUNTINGTON DR

314 E HUNTINGTON DR

Year	Uses	Source
2006	NIRVAN	Haines Company
1995	Coffee Excellence	Pacific Bell
1975	ALFREDS HAIRSTYLING	Pacific Telephone
1960	ALFREDS HAIRSTYLING	Pacific Telephone
	WILSON F J	Pacific Telephone
	DESI S HAIRSTYLING	Pacific Telephone
1957	DESI S HAIRSTYLING	Pacific Telephone
	WILSON F J	Pacific Telephone

315 E HUNTINGTON DR

Year	Uses	Source
1975	GUY S FRIENDLY SERVICE	Pacific Telephone
1966	ARCADIA TOWING	Pacific Telephone
	ARCADIA PUBLIC STENOGRAPHER	Pacific Telephone
1957	ARCADIA SEAT COVERS	Pacific Telephone

Year	Uses	Source
1957	MUELLER GEO FIXIT SHOP	Pacific Telephone

E Huntington Dr

316 E Huntington Dr

Year	Uses	Source
2014	KIDSART -ARCADIA	EDR Digital Archive
	KIDS ART INC	EDR Digital Archive
	KIDSART -ARCADIA	EDR Digital Archive
	KIDS ART INC	EDR Digital Archive

E HUNTINGTON DR

316 E HUNTINGTON DR

Year	Uses	Source
1957	AHLREP ALICE	Pacific Telephone
1950	LEWIS DAVID M R	Pacific Telephone
	LEWIS DAVID M R	Pacific Telephone

317 E HUNTINGTON DR

Year	Uses	Source
1985	SANTA ANITA AUTO BODY	Pacific Bell
1980	SANTA ANITA AUTO BODY E HUNTINGTON DR ARCADIA	Pacific Telephone
1975	SANTA ANITA AUTO BODY	Pacific Telephone
1957	GUYS FRIENDLY SERV	Pacific Telephone

318 E HUNTINGTON DR

Year	Uses	Source
1995	PLAZA HOME SAVINGS BANK FSB	Pacific Bell
	Plaza Home Savings Bank FS B	Pacific Bell
1960	SMITH BEVERLY T	Pacific Telephone
	SMITH GARY L	Pacific Telephone

E Huntington Dr

320 E Huntington Dr

Year	Uses	Source
2010	BEAR ESSENTIAL GIFT SHOPPE	EDR Digital Archive
	BEAR ESSENTIAL GIFT SHOPPE	EDR Digital Archive

FINDINGS

E HUNTINGTON DR

320 E HUNTINGTON DR

Year	Uses	Source
2006	SHOPPE	Haines Company
	BEAR ESSENTIALS	Haines Company
1966	ACE BLDG SPEC	Pacific Telephone
1960	EDDIES RADIO & TV SERV	Pacific Telephone
	SONNENFELD EDW A	Pacific Telephone
1957	MONGE DENNIS G	Pacific Telephone
	EDDIE S RADIO & TV SERV	Pacific Telephone

E Huntington Dr

321 E Huntington Dr

Year	Uses	Source
2014	RESIDNCE INN ARCDIA BY MRRIOTT	EDR Digital Archive
	RESIDNCE INN ARCDIA BY MRRIOTT	EDR Digital Archive
2010	RESIDNCE INN ARCDIA BY MRRIOTT	EDR Digital Archive
	RESIDNCE INN ARCDIA BY MRRIOTT	EDR Digital Archive

E HUNTINGTON DR

321 E HUNTINGTON DR

Year	Uses	Source
1995	RESIDENCE INN BY MARRIOTT	Pacific Bell
	Residence inn Arcadia The	Pacific Bell
	Residence Inn By Marriott	Pacific Bell
	RESIDENCE INN ARCADIA THE	Pacific Bell

322 E HUNTINGTON DR

Year	Uses	Source
1980	ARISPE K M E HUNTINGTON DR ARCADIA	Pacific Telephone
1975	SELBY DORCUS	Pacific Telephone
1960	CUMBERLAND LINDY	Pacific Telephone
	CUMBERLAND EARL	Pacific Telephone
1957	HENCH STANLEY	Pacific Telephone
	HARPER LIDA R MRS	Pacific Telephone
	COLE GILBERT R	Pacific Telephone
1950	MITSON GERALD S R	Pacific Telephone

Year	Uses	Source
1950	AGNEW C H R	Pacific Telephone
	MITSON GERALD S R	Pacific Telephone
	AGNEW C H R	Pacific Telephone

E Huntington Dr

324 E Huntington Dr

Year	Uses	Source
2014	LESLIES POOLMART INC	EDR Digital Archive
	LESLIES POOLMART INC	EDR Digital Archive
2010	LESLIES POOLMART INC	EDR Digital Archive
	LESLIES POOLMART INC	EDR Digital Archive

E HUNTINGTON DR

324 E HUNTINGTON DR

Year	Uses	Source
2006	POOL SPLY	Haines Company
	LESLIES SWIMMING	Haines Company
1966	ALFRED S HAIR STYLING	Pacific Telephone
1950	TIMMIES BABY & LINGERIE SHOPPE	Pacific Telephone
	TIMMIES BABY & LINGERIE SHOPPE	Pacific Telephone

326 E HUNTINGTON DR

Year	Uses	Source
1985	DERBY MOTEL	Pacific Bell
1980	DERBY MOTEL E HUNTINGTON DR ARCADIA	Pacific Telephone
1975	SNELSON J	Pacific Telephone
	DERBY MOTEL	Pacific Telephone
	SPELLINGS SYDNEY	Pacific Telephone
	SPELLINGS JAS D	Pacific Telephone
1966	DERBY MOTEL	Pacific Telephone
1960	DERBY MOTEL	Pacific Telephone
1950	DERBY MOTEL	Pacific Telephone
	DERBY MOTEL	Pacific Telephone

FINDINGS

E Huntington Dr

328 E Huntington Dr

Year	Uses	Source
2014	SCOTTRADE INC	EDR Digital Archive
	SCOTTRADE INC	EDR Digital Archive
2010	SCOTTRADE INC	EDR Digital Archive
	MALYS INC	EDR Digital Archive
	SCOTTRADE INC	EDR Digital Archive
	MALYS INC	EDR Digital Archive

E HUNTINGTON DR

328 E HUNTINGTON DR

Year	Uses	Source
2006	MALYSINC	Haines Company
1995	Malys Inc	Pacific Bell
	MALY S INC	Pacific Bell

E Huntington Dr

332 E Huntington Dr

Year	Uses	Source
2014	COSMOPROF	EDR Digital Archive
	COSMOPROF	EDR Digital Archive

E HUNTINGTON DR

332 E HUNTINGTON DR

Year	Uses	Source
2006	INSURANCE	Haines Company
	EASRTWOOD	Haines Company
1995	SANTA ANITA ESCROW INC	Pacific Bell
	Santa Anita Escrow Inc	Pacific Bell
1986	VERLATO & WILLIAMS ARCADIA	Pacific Bell

E Huntington Dr

333 E Huntington Dr

Year	Uses	Source
2014	CAPITAL SEAFOOD RESTAURANT	EDR Digital Archive

Year	Uses	Source
2014	CAPITAL SEAFOOD RESTAURANT	EDR Digital Archive
2010	FUSIONS BAR GRILL ARCADIA	EDR Digital Archive
	CONSOLIDATED RIBS INC	EDR Digital Archive
	CAPITAL SEAFOOD RESTAURANT	EDR Digital Archive
	VAZQUEZ FREDY	EDR Digital Archive
	FUSIONS BAR GRILL ARCADIA	EDR Digital Archive
	CAPITAL SEAFOOD RESTAURANT	EDR Digital Archive
	CONSOLIDATED RIBS INC	EDR Digital Archive
	VAZQUEZ FREDY	EDR Digital Archive

E HUNTINGTON DR

333 E HUNTINGTON DR

Year	Uses	Source
2006	TONY ROMAS	Haines Company
	PLACE FOR Ri	Haines Company
1995	TONY ROMAS A PLACE FOR RIBS	Pacific Bell
	SUPERCUTS	Pacific Bell
1986	ARCADIA NISSAN ARCADIA	Pacific Bell
1985	LOW LEASING CO	Pacific Bell
	ARCADIA DATSUN AMC JEEP RENAULT	Pacific Bell
	ARCADIA DATSUN	Pacific Bell
	ARCADIA AMC JEEP RENAULT	Pacific Bell
	A LOW DAILY RENT A CAR	Pacific Bell
1980	A LOW BUDGET RENT-A-CAR E HUNTINGTON DR ARCADIA	Pacific Telephone
	A-LOW DAILY RENT-A-CAR E HUNTINGTON DR ARCADIA	Pacific Telephone
	ARCADIA DATSUN E HUNTINGTON DR ARCADIA	Pacific Telephone
	ARCADIA DATSUN INC E HUNTINGTON DR ARCADIA	Pacific Telephone
	ARCADIA DATSUN USED CARS E HUNTINGTON DR ARCADIA	Pacific Telephone
	LOW LEASING CO E HUNTINGTON DR ARCADIA	Pacific Telephone
1975	ARCADIA DATSUN LEASING	Pacific Telephone
	ARCADIA DATSUN INC	Pacific Telephone
	ARCADIA DATSUN	Pacific Telephone
1966	TIPTON L C OLDS MOBILE	Pacific Telephone
1957	HENDERSON OLDS MOBILE	Pacific Telephone

FINDINGS

334 E HUNTINGTON DR

Year	Uses	Source
1986	MULLEN KENNETH I CONSULTING ENGINEERS INC ARCADIA	Pacific Bell
1985	BROCK BARRY E	Pacific Bell
	BROCK & LAMPIER AN ACCOUNTANCY CORP	Pacific Bell
	LAMPIER MICHAEL J	Pacific Bell
	LENHARDT JUDITH ENROLLED AGENT	Pacific Bell
	MULLEN KENNETH I CONSULTING ENGINEERS INC	Pacific Bell
	YOUNG IRVEN ENROLLED AGENT	Pacific Bell
1981	MULLEN KENNETH I CONSULTING ENGINEERS INC ARCADIA	Pacific Telephone
1980	STEVENSON C A CO E HUNTINGTON DR ARCADIA	Pacific Telephone
	STEVENSON C ARNOLD INSURANCE E HUNTINGTON DR ARCADIA	Pacific Telephone
	WHEELER RAY INVESTMT E HUNTINGTON DR ARCADIA	Pacific Telephone
	BEER MEISTER OF SO CALIF E HUNTINGTON DR ARCADIA	Pacific Telephone
	JENKINS & JENKINS ACCOUNTANCY CORP E HUNTINGTON DR ARCADIA	Pacific Telephone
	MULLEN KENNETH I CONSULTING ENGINEERS INC E HUNTINGTON DR ARCADIA	Pacific Telephone
	NEWMAN & FERRARA ASSN E HUNTINGTON DR ARCADIA	Pacific Telephone
	NEWREAL INC E HUNTINGTON DR ARCADIA	Pacific Telephone
	SPENCER & ASSOCIATES REALTORS E HUNTINGTON DR ARCADIA	Pacific Telephone
1975	AL S CUSTOM TOP SHOP	Pacific Telephone
1966	ALS CUSTOM TOP SHOP	Pacific Telephone
	LOMBARDO S AUTOMOTIVE SERV	Pacific Telephone
	RICHFIELD SERVICE STATIONS	Pacific Telephone
1960	CHAPPS AUTOMOTIVE SERV	Pacific Telephone
	RICHFIELD SERVICE STATIONS	Pacific Telephone
1957	CHAPPS AUTOMOTIVE SERV	Pacific Telephone
1950	CHAPPS AUTOMOTIVE SERV	Pacific Telephone
	CHAPPS AUTOMOTIVE SERV	Pacific Telephone

FINDINGS

E Huntington Dr

336 E Huntington Dr

Year	Uses	Source
2014	MENS WEARHOUSE INC	EDR Digital Archive
	MENS WEARHOUSE INC	EDR Digital Archive
2010	AMERICAN PREMIER BANCORP	EDR Digital Archive
	AMERICAN PREMIER BANK	EDR Digital Archive
	AMERICAN PREMIER BANCORP	EDR Digital Archive
	AMERICAN PREMIER BANK	EDR Digital Archive

E HUNTINGTON DR

336 E HUNTINGTON DR

Year	Uses	Source
2006	AMER PREMIER	Haines Company
	BANK CORP	Haines Company
1995	COLDWELL BANKER RESIDENTIAL REAL ESTATE SERVICES EQUAL HOUSING OPPORTUNITIE	Pacific Bell

340 E HUNTINGTON DR

Year	Uses	Source
1995	Look Within	Pacific Bell

E Huntington Dr

400 E Huntington Dr

Year	Uses	Source
2014	BJS RESTAURANTS INC	EDR Digital Archive
	BJS RESTAURANTS INC	EDR Digital Archive
2010	BJS RESTAURANTS INC	EDR Digital Archive
	BJS RESTAURANTS INC	EDR Digital Archive

420 E Huntington Dr

Year	Uses	Source
2014	AAA INSURANCE	EDR Digital Archive
	AUTOMOBILE CLUB SOUTHERN CAL	EDR Digital Archive
	CITY ESCROW	EDR Digital Archive
	CITY ESCROW	EDR Digital Archive
	AUTOMOBILE CLUB SOUTHERN CAL	EDR Digital Archive
	AAA INSURANCE	EDR Digital Archive

Year	Uses	Source
2010	AUTOMOBILE CLUB SOUTHERN CAL	EDR Digital Archive
	AUTOMOBILE CLUB SOUTHERN CAL	EDR Digital Archive

430 E Huntington Dr

Year	Uses	Source
2014	GMRI INC	EDR Digital Archive
	GMRI INC	EDR Digital Archive
2010	GMRI INC	EDR Digital Archive
	GMRI INC	EDR Digital Archive

E HUNTINGTON DR

318A E HUNTINGTON DR

Year	Uses	Source
1960	READY PETER J	Pacific Telephone

231 1/2 E HUNTINGTON DR

Year	Uses	Source
1980	STURNIOLO CHRIS W E HUNTINGTON DR ARCADIA	Pacific Telephone

312 1/2 E HUNTINGTON DR

Year	Uses	Source
1975	GROSS N	Pacific Telephone

315 1/2 E HUNTINGTON DR

Year	Uses	Source
1975	KEITHLEY WALTER A	Pacific Telephone
1966	GEPHART MIKE	Pacific Telephone
1960	SMEENGE GUY	Pacific Telephone

317 1/2 E HUNTINGTON DR

Year	Uses	Source
1960	SANTA ANITA BODY SHOP	Pacific Telephone
1957	SANTA ANITA BODY SHOP	Pacific Telephone

322 1/2 E HUNTINGTON DR

Year	Uses	Source
1957	HARRISON HELEN MRS	Pacific Telephone

FINDINGS

E Santa Clara St

255 E Santa Clara St

Year	Uses	Source
2014	PREMIER PROPERTIES REALTY PROF	EDR Digital Archive
	WILD GOOSE ADVENTURES INC	EDR Digital Archive
	PROFESSIONAL ADVISORY SVCS INC	EDR Digital Archive
	PES REAL ESTATE SERVICES INC	EDR Digital Archive
	EMER MANAGEMENT INC	EDR Digital Archive
	CERK ASSET MANAGEMENT INC	EDR Digital Archive
	MAX R LEHFELDT M D A M C	EDR Digital Archive
	FOOTHILL SURGERY CENTER	EDR Digital Archive
	KENNEDY RICHARD L MD	EDR Digital Archive
	DEXTER 325 SHARON LLC	EDR Digital Archive
	EXECUTIVE FACTOR LLC	EDR Digital Archive
	NADRICH & COHEN LLP	EDR Digital Archive
	PASADENA FIRST CHURCH NAZAR	EDR Digital Archive
	MONTEBELLO CHURCH OF NAZARENE	EDR Digital Archive
	TOY TRAIN HERITAGE INC	EDR Digital Archive
	HART MIERAS AND MORRIS INC	EDR Digital Archive
	SANYAO INTERNATIONAL INC	EDR Digital Archive
	PARAKEET HOLIDAYS LLC	EDR Digital Archive
	DEXTER 325 SHARON LLC	EDR Digital Archive
	MAX R LEHFELDT M D A M C	EDR Digital Archive
	FOOTHILL SURGERY CENTER	EDR Digital Archive
	KENNEDY RICHARD L MD	EDR Digital Archive
	EXECUTIVE FACTOR LLC	EDR Digital Archive
	NADRICH & COHEN LLP	EDR Digital Archive
	HART MIERAS AND MORRIS INC	EDR Digital Archive
	TOY TRAIN HERITAGE INC	EDR Digital Archive
	PROFESSIONAL ADVISORY SVCS INC	EDR Digital Archive
	PES REAL ESTATE SERVICES INC	EDR Digital Archive
	PASADENA FIRST CHURCH NAZAR	EDR Digital Archive
	MONTEBELLO CHURCH OF NAZARENE	EDR Digital Archive
	SANYAO INTERNATIONAL INC	EDR Digital Archive
	PARAKEET HOLIDAYS LLC	EDR Digital Archive
	EMER MANAGEMENT INC	EDR Digital Archive
	CERK ASSET MANAGEMENT INC	EDR Digital Archive
	WILD GOOSE ADVENTURES INC	EDR Digital Archive

FINDINGS

Year	Uses	Source
2014	PREMIER PROPERTIES REALTY PROF	EDR Digital Archive
2010	RIVIERA MORTGAGE	EDR Digital Archive
	MORTGAGE OPTIONS INC	EDR Digital Archive
	COMMUNITY HOME CARE	EDR Digital Archive
	INTERHEALTH SERVICES INC	EDR Digital Archive
	PRISTINE HM HLTH PROVIDERS INC	EDR Digital Archive
	BS CHANDRASEKHAR MD INC A CA	EDR Digital Archive
	SYBD CONSTRUCTION INC	EDR Digital Archive
	SANYAO INTERNATIONAL INC	EDR Digital Archive
	PROFESSIONAL ADVISORY SVCS INC	EDR Digital Archive
	PES REAL ESTATE SERVICES INC	EDR Digital Archive
	ASSET PRESERVATION SERVICES IN	EDR Digital Archive
	2151 ASSOC ROAD INC	EDR Digital Archive
	NEFF INSTRUMENT CORPORATION	EDR Digital Archive
	PASADENA FIRST CHURCH NAZAR	EDR Digital Archive
	MONTEBELLO CHURCH OF NAZARENE	EDR Digital Archive
	HART MIERAS AND MORRIS INC	EDR Digital Archive
	URTUZUASTEGUI CHARLES	EDR Digital Archive
	DESKTOP GREENBORO INC	EDR Digital Archive
	REID LEGACY GROUP INC	EDR Digital Archive
	FOOTHILL SURGERY CENTER	EDR Digital Archive
	KENNEDY RICHARD L MD	EDR Digital Archive
	CONFRERIE DE LA CHAINE DES ROT	EDR Digital Archive
	185 HUDSON LLC	EDR Digital Archive
	SANYAO INTERNATIONAL INC	EDR Digital Archive
	NEFF INSTRUMENT CORPORATION	EDR Digital Archive
	PASADENA FIRST CHURCH NAZAR	EDR Digital Archive
	MONTEBELLO CHURCH OF NAZARENE	EDR Digital Archive
	HART MIERAS AND MORRIS INC	EDR Digital Archive
	URTUZUASTEGUI CHARLES	EDR Digital Archive
	FOOTHILL SURGERY CENTER	EDR Digital Archive
	KENNEDY RICHARD L MD	EDR Digital Archive
	DESKTOP GREENBORO INC	EDR Digital Archive
	CONFRERIE DE LA CHAINE DES ROT	EDR Digital Archive
	185 HUDSON LLC	EDR Digital Archive
	PROFESSIONAL ADVISORY SVCS INC	EDR Digital Archive
	PES REAL ESTATE SERVICES INC	EDR Digital Archive
	ASSET PRESERVATION SERVICES IN	EDR Digital Archive

Year	Uses	Source
2010	2151 ASSOC ROAD INC	EDR Digital Archive
	SYBD CONSTRUCTION INC	EDR Digital Archive
	RIVIERA MORTGAGE	EDR Digital Archive
	MORTGAGE OPTIONS INC	EDR Digital Archive
	COMMUNITY HOME CARE	EDR Digital Archive
	INTERHEALTH SERVICES INC	EDR Digital Archive
	PRISTINE HM HLTH PROVIDERS INC	EDR Digital Archive
	BS CHANDRASEKHAR MD INC A CA	EDR Digital Archive
	REID LEGACY GROUP INC	EDR Digital Archive

401 E Santa Clara St

Year	Uses	Source
2014	ESA P PRTFOLIO OPER LESSEE LLC	EDR Digital Archive
	ESA P PRTFOLIO OPER LESSEE LLC	EDR Digital Archive
2010	ESA P PORTFOLIO LLC	EDR Digital Archive
	SUTHERLAND GROUP	EDR Digital Archive
	LA GRAN COSECHA FINAL	EDR Digital Archive
	SUTHERLAND GROUP	EDR Digital Archive
	ESA P PORTFOLIO LLC	EDR Digital Archive
	LA GRAN COSECHA FINAL	EDR Digital Archive

405 E Santa Clara St

Year	Uses	Source
2014	HEATEFLEX CORPORATION	EDR Digital Archive
	HEATEFLEX CORPORATION	EDR Digital Archive
2010	HEATEFLEX CORPORATION	EDR Digital Archive
	LINCOLN FINANCIAL & INSUR SVCS	EDR Digital Archive
	MARTIN M V INC	EDR Digital Archive
	HEATEFLEX CORPORATION	EDR Digital Archive
	LINCOLN FINANCIAL & INSUR SVCS	EDR Digital Archive
	MARTIN M V INC	EDR Digital Archive

East Huntington Drive

211 East Huntington Drive

Year	Uses	Source
2006	CAPISTRANOS	Haines Company
	CATERING CAPISTRANOS	Haines Company
	RESTAURANT EMBASSY SUITES	Haines Company
	ARCADIA	Haines Company

FINDINGS

Year	Uses	Source
2006	MOONLAKE GIFT	Haines Company
	AND NOVELTIES SEARS CAR	Haines Company
	TRUCK RENTAL	Haines Company
1995	BUDGET CAR & TRUCK RENTAL	Pacific Bell
	EMBASSY SUITES HOTEL	Pacific Bell
	GRANADA ROYALE HOMETEL-EMBASSY SUITES	Pacific Bell
	UPTOWN GIFTS	Pacific Bell
	VELVET TURTLE THE RESTRNT	Pacific Bell
	Granada Royale Hometel Embassy Suites	Pacific Bell
	Granada Royale Hometels For Reservations No Charge To Calling Party	Pacific Bell
	Granade Christine & Paul Arc	Pacific Bell
	Granade Gary & Sheryl Arc	Pacific Bell
	Uptown Gifts	Pacific Bell
	Velvet Turtle The restrnt	Pacific Bell
1990	EMBASSY SUITES HOTEL HOTELS	Pacific Bell
	GRANADA ROYALE HOMETEL-EMBASSY SUITES ARCADIA	Pacific Bell
1986	EMBASSY SUITES HOTEL HOTELS	Pacific Bell
	GRANADA ROYALE HOMETEL EMBASSY SUITES ARCADIA	Pacific Bell
	HERTZ RENT A CAR RENTAL LOCATIONS ARCADIA GRANADA ROYALE HOMETEL ARCADIA	Pacific Bell
1985	HERTZ RENT A CAR RENTAL LOCATIONS	Pacific Bell
	EMBASSY SUITES	Pacific Bell
	GRANADA ROYALE HOMETEL-EMBASSY SUITES	Pacific Bell
	HERTZ RENT A CAR RENTAL LOCATIONS	Pacific Bell
	ROYALE PARROTT THE	Pacific Bell
	VELVET TURTLE THE RESTRNT	Pacific Bell
	HERTZ RENT A CAR	Pacific Bell

300 East Huntington Drive

Year	Uses	Source
2006	STARBUCKS	Haines Company
	COFFEE	Haines Company
1995	FAST FRAME ARCADIA	Pacific Bell
	FASTFRAME ARCADIA	Pacific Bell

FINDINGS

Year	Uses	Source
1995	Arcadia	Pacific Bell
	Arcadia	Pacific Bell
1981	CLEAN & CLEAR & CROWN CITY POOL SERVICE ARCADIA	Pacific Telephone
1980	CLEAN & CLEAR & CROWN CITY POOL SERVICE E HUNTINGTON DR ARCADIA	Pacific Telephone
1975	CLEAN & CLEAR & CROWN CITY POOL SERVICE	Pacific Telephone
	CLEAN & CLEAR POOL SERVICE CO	Pacific Telephone
1966	CLEAN & CLEAR POOL SERV CO	Pacific Telephone
	CLEAN & CLEAR POOL SEW CO	Pacific Telephone
1960	CLEAN & CLEAR POOL SERV CO	Pacific Telephone
1957	VAUGHN K W DECOR	Pacific Telephone

301 East Huntington Drive

Year	Uses	Source
2006	SOUPLANTATION	Haines Company
1995	SOUPLANTATION	Pacific Bell
1966	ARCADIA MOTORS	Pacific Telephone
1960	LOWELL & STOUT UNION SERV	Pacific Telephone
	UNION OIL DLRS	Pacific Telephone
1957	LOWELL & STOUT UNION SERV	Pacific Telephone
1950	PUTMAN A E SERV STN	Pacific Telephone
	PUTMAN A E SERV STN	Pacific Telephone

311 East Huntington Drive

Year	Uses	Source
2006	HAMPTONINN	Haines Company
	ARCADIA PREMIER	Haines Company
	MANAGEMENT	Haines Company
1995	L Hampton Inn Arcadia	Pacific Bell
	HAMPTON INN ARCADIA	Pacific Bell
1950	ARCADIA GLASS & MIRROR CO	Pacific Telephone
	HOWELL L R ARCADIA GLASS & MIRROR CO	Pacific Telephone
	ARCADIA GLASS & MIRROR CO	Pacific Telephone
	HOWELL L R ARCADIA GLASS & MIRROR CO	Pacific Telephone

FINDINGS

400 East Huntington Drive

Year	Uses	Source
2006	BJS RESTAURANT	Haines Company
	& BREWHOUSE	Haines Company
1995	BENNIGANS	Pacific Bell
	Bennigans	Pacific Bell
	Benning Rusty & Chanthima W Cov	Pacific Bell
1985	ANDY S BURGERS	Pacific Bell
1980	ANDY S BURGERS E HUNTINGTON DR ARCADIA	Pacific Telephone
1975	SNAP E TACO	Pacific Telephone
1966	PETERSEN AUTO SALES	Pacific Telephone
1960	ARCADIA MOTORS	Pacific Telephone
1957	ARCADIA MOTORS	Pacific Telephone

420 East Huntington Drive

Year	Uses	Source
2006	AAAAUTOMOBILE	Haines Company
	CLUB OF SO CA LAWOFFICES OF	Haines Company
	RICHARDSON	Haines Company
1995	AAA CRUISE AGENCY	Pacific Bell
	AUTOMOBILE CLUB OF SO CALIF AAA	Pacific Bell
	LAW OFFICES OF RICHARDSON & BAMBRICK	Pacific Bell
	YELLOW CAB	Pacific Bell
	Arcadia	Pacific Bell
	Law Offices Of Richardson & Bambrick	Pacific Bell
	Law Offices Of Robert B Reeves Rwlandllts	Pacific Bell
	Law Offices Of Robert G Winterbotham LA	Pacific Bell
	law Offices Of Robert G Winterbotham Covina	Pacific Bell
	Law Offices Of Salivdor E Tuy Jr & Associates	Pacific Bell
	Arcadia	Pacific Bell

430 East Huntington Drive

Year	Uses	Source
2006	OLIVEGARDEN	Haines Company
	RSTRNT	Haines Company
1995	OLIVE GARDEN ITALIAN RESTAURANT	Pacific Bell

FINDINGS

440 East Huntington Drive

Year	Uses	Source
2006	ARCADIA DENTAL	Haines Company
	CENTER OF ARCADIA PHYSICAL	Haines Company
	THERAPY CHILDREN CNCR	Haines Company
	STDY COUNTRYWIDE	Haines Company
	FULLSPCTRM	Haines Company
	LNDNG DENTAL GROUP OF	Haines Company
	ARCADIA	Haines Company
1995	BOEING COMMERCIAL AIRPLANE COMPANY THE	Pacific Bell
	CHILDREN CANCER STUDY	Pacific Bell
	CHILDRENS CANCER STUDY GROUP	Pacific Bell
	ELARDO GRIFFEE INSURANCE INC	Pacific Bell
	NATIONAL CHILDHOOD CANCER FOUNDATION	Pacific Bell
	PRUDENTIAL THE DISTRICT AGENCIES OFFICES	Pacific Bell
	PRUDENTIAL THE DISTRICT AGENCIES OFFICES	Pacific Bell
	REID PLASTICS INC	Pacific Bell
	TOYOTA MOTOR CREDIT CORP	Pacific Bell
	Boeing Commercial Airplane Company The	Pacific Bell
	Children Cancer Study	Pacific Bell
	Children Livadary	Pacific Bell
	Childrens Cancer Study Group	Pacific Bell
	Elardo Griffee Insurance Inc	Pacific Bell
	National Childhood Cancer Foundation	Pacific Bell
	Arcadia District	Pacific Bell
	Arcadia District	Pacific Bell
	From Las Angeles Telephones Call .6819611	Pacific Bell
	Reid Plastics Inc	Pacific Bell

N 2ND AVE

2 N 2ND AVE

Year	Uses	Source
1999	ND AV N 91006 CONT	Haines Company

FINDINGS

21 N 2ND AVE

Year	Uses	Source
1957	CASTRO MANUEL	Pacific Telephone
1950	JARAMILLO VIDAL R	Pacific Telephone
	JARAMILLO VIDAL R	Pacific Telephone

N 2nd Ave

99 N 2nd Ave

Year	Uses	Source
2014	MARRIOTT	EDR Digital Archive
	SPRINGHILL SUITES LLC	EDR Digital Archive
	MARRIOTT	EDR Digital Archive
	SPRINGHILL SUITES LLC	EDR Digital Archive
2010	SPRINGHILL SUITES LLC	EDR Digital Archive
	MARRIOTT	EDR Digital Archive
	SPRINGHILL SUITES LLC	EDR Digital Archive
	MARRIOTT	EDR Digital Archive

N 2ND AVE

99 N 2ND AVE

Year	Uses	Source
2006	ARCADIA	Haines Company
	SPRINGHILLSUITES	Haines Company

100 N 2ND AVE

Year	Uses	Source
1999	XXXX	Haines Company
	X WHEELER AV	Haines Company

101 N 2ND AVE

Year	Uses	Source
1985	NELSON & WINGARD LTD	Pacific Bell
	WINGARD EUGENE NELSON & WINGARD LTD	Pacific Bell
1980	WINGARD EUGENE NELSON & WINGARD LTD N 2ND AVE ARCADIA	Pacific Telephone
	NELSON & WINGARD LTD N 2ND AVE ARCADIA	Pacific Telephone
1975	NELSON & WINGARD LTD	Pacific Telephone

FINDINGS

Year	Uses	Source
1975	WINGARD EUGENE NELSON & WINGARD LTD	Pacific Telephone
1966	NELSON & WINGARD CABINET SHOP	Pacific Telephone
1960	NELSON ERIC NELSON & WINGARD CABINET SHOP	Pacific Telephone
	NELSON & WINGARD CABINET SHOP	Pacific Telephone
1957	NELSON ERIC NELSON & WINGARD CABINET SHOP	Pacific Telephone
	NELSON & WINGARD CABINET SHOP	Pacific Telephone

105 N 2ND AVE

Year	Uses	Source
1999	XXXX	Haines Company
1985	DUENES Y B	Pacific Bell
1980	DUENES Y B N 2ND AVE ARCADIA	Pacific Telephone
1975	DUENES Y B	Pacific Telephone
1966	DUENES Y B	Pacific Telephone
1960	DUENES Y B	Pacific Telephone
1957	DUENES Y B	Pacific Telephone
1950	DUENES Y B R	Pacific Telephone
	DUENES Y B R	Pacific Telephone

107 N 2ND AVE

Year	Uses	Source
1985	DUENES ROMAINE	Pacific Bell
1980	DUENES ROMAINE N 2ND AVE ARCADIA	Pacific Telephone

113 N 2ND AVE

Year	Uses	Source
1999	DEFRANCIS Burt	Haines Company

117 N 2ND AVE

Year	Uses	Source
1999	XXXX	Haines Company
	X SANTA CLARA E	Haines Company
1985	WILLSON SCIENTIFIC GLASS	Pacific Bell
1980	ARNETT ELECTRIC N 2ND AVE ARCADIA	Pacific Telephone
	JACOBUS JIM RACING N 2ND AVE ARCADIA	Pacific Telephone
1975	CHILDS DIAPER SERVICE	Pacific Telephone

Year	Uses	Source
1966	CHILD S DIAPER SERV	Pacific Telephone
1960	CLDS DIAPER SERV	Pacific Telephone
	MORGAN HAZEL M HUMPTY DUMPTY DOLL HOSPITAL	Pacific Telephone
	HUMPTY DUMPTY DOLL HOSPITAL	Pacific Telephone
	MORGAN HAZEL M HUMPHY DUMPTY DOLL HOSPITAL	Pacific Telephone
	PRATT COMPANIES	Pacific Telephone
	PRATT HERBERT B APPRSR	Pacific Telephone
1957	CHILD S DIAPER SERV	Pacific Telephone
	PRATT COMPANIES	Pacific Telephone
	PRATT HERBERT B APPRSR	Pacific Telephone

119 N 2ND AVE

Year	Uses	Source
1980	SATURN EXPRESS INC N 2ND AVE ARCADIA	Pacific Telephone
1957	AQUARIUM PUMP SUPPLY	Pacific Telephone

121 N 2ND AVE

Year	Uses	Source
1985	CORTEZ ADOLFO	Pacific Bell
1980	PARRA MARIA N 2ND AVE ARCADIA	Pacific Telephone
1975	SAUCEDA AMAILIA	Pacific Telephone
1966	SAUCEDA AMALLIA	Pacific Telephone
1960	MARTINEZ RAYMOND	Pacific Telephone
	MARTINEZ ARMIDA	Pacific Telephone
1950	CUELLAR MANUEL H R	Pacific Telephone
	CUELLAR MANUEL H R	Pacific Telephone

125 N 2ND AVE

Year	Uses	Source
1957	AYALA JOHN P	Pacific Telephone
1950	AYALA JOHN P R	Pacific Telephone
	AYALA JOHN P R	Pacific Telephone

144 N 2ND AVE

Year	Uses	Source
1975	FIRST FEDERAL SAVINGS & LOAN ASSOCIATION OF SAN GABRIEL VALLEY	GTE

FINDINGS

164 N 2ND AVE

Year	Uses	Source
1975	Upland	GTE
	WESTERN UNION TELEGRAPH CO To Send Telegrams Mailgrams Or International Messages	GTE

N 2nd Ave

199 N 2nd Ave

Year	Uses	Source
2014	STONEBRIDGE MCWHINNEY LLC	EDR Digital Archive
	HOTEL BEVERAGE COMPANY LLC	EDR Digital Archive
	HOTEL BEVERAGE COMPANY LLC	EDR Digital Archive
	STONEBRIDGE MCWHINNEY LLC	EDR Digital Archive
2010	HOTEL BEVERAGE COMPANY LLC	EDR Digital Archive
	STONEBRIDGE MCWHINNEY LLC	EDR Digital Archive
	HOTEL BEVERAGE COMPANY LLC	EDR Digital Archive
	STONEBRIDGE MCWHINNEY LLC	EDR Digital Archive

N 2ND AVE

117A N 2ND AVE

Year	Uses	Source
1960	FOOTHILL DEBURRING SERV	Pacific Telephone
1957	BR-ITE INSTRUMENT CO INC	Pacific Telephone

117B N 2ND AVE

Year	Uses	Source
1985	SEVEN SEAS HEALTH PRODUCTS CO	Pacific Bell
1980	SEVEN SEAS HEALTH PRODUCTS CO N 2ND AVE ARCADIA	Pacific Telephone
1960	OHIO HOME STYLE SAUSAGE CO	Pacific Telephone
1957	OHIO HOME STYLE SAUSAGE CO	Pacific Telephone

117E N 2ND AVE

Year	Uses	Source
1985	Z CAPS	Pacific Bell

121 1/2 N 2ND AVE

Year	Uses	Source
1985	PARRA MARIA	Pacific Bell

Year	Uses	Source
1985	PARRA ROSA	Pacific Bell
1980	MARTINEZ FRANCES N 2ND AVE ARCADIA	Pacific Telephone
	PARRA ROSA N 2ND AVE ARCADIA	Pacific Telephone
1975	PARRA MARIA	Pacific Telephone
	MARTINEZ FRANCES	Pacific Telephone
	PARRA ROSA	Pacific Telephone
1966	MARTINEZ FRANCES	Pacific Telephone

N 3RD AVE

5 N 3RD AVE

Year	Uses	Source
1995	Eagle IS S S	Pacific Bell

11 N 3RD AVE

Year	Uses	Source
1950	SCHAUL HENRY E R	Pacific Telephone
	SCHAUL HENRY E R	Pacific Telephone

15 N 3RD AVE

Year	Uses	Source
1980	HAACK JOHN M N 3RD AVE ARCADIA	Pacific Telephone
1975	HAACK JOHN M	Pacific Telephone
1966	HAACK JOHN M	Pacific Telephone
1960	HAACK JOHN M	Pacific Telephone
1957	HAACK JOHN M	Pacific Telephone
1950	HAACK JOHN M R	Pacific Telephone
	HAACK JOHN M R	Pacific Telephone

16 N 3RD AVE

Year	Uses	Source
1985	CROSS HERBERT R	Pacific Bell
1975	HARRIS J	Pacific Telephone
1966	ANTISTA ANGELA MRS	Pacific Telephone
1960	ANTISTA TONY	Pacific Telephone
1957	ANTISTA TONY	Pacific Telephone
1950	ANTISTA TONY R	Pacific Telephone
	ANTISTA TONY R	Pacific Telephone

FINDINGS

20 N 3RD AVE

Year	Uses	Source
1966	ANDERSON S L	Pacific Telephone
1960	ANDERSON STELLA	Pacific Telephone
1957	ANDERSON STELLA	Pacific Telephone
1950	ANDERSON STELLA R	Pacific Telephone
	ANDERSON STELLA R	Pacific Telephone

21 N 3RD AVE

Year	Uses	Source
1985	GARRISON CHRIS A	Pacific Bell
1980	DOUGLASS STEPHEN N 3RD AVE ARCADIA	Pacific Telephone
	LAWSON S N 3RD AVE ARCADIA	Pacific Telephone
1966	VILELA JORGE C	Pacific Telephone
1960	DANCIART TED E	Pacific Telephone
	DANCIART CYRENE	Pacific Telephone
1957	MALTZ STEPHEN	Pacific Telephone

22 N 3RD AVE

Year	Uses	Source
1985	BURROWS GARY	Pacific Bell
1980	BURROWS GARY N 3RD AVE ARCADIA	Pacific Telephone
1966	HOWELL GARY W	Pacific Telephone
1960	MASON ARTHOR	Pacific Telephone
1957	MORRISON THOS J	Pacific Telephone

23 N 3RD AVE

Year	Uses	Source
1950	KING W W R	Pacific Telephone
	KING W W R	Pacific Telephone

24 N 3RD AVE

Year	Uses	Source
1966	KENNEDY SARAH	Pacific Telephone
1957	BENDER WILLARD	Pacific Telephone

25 N 3RD AVE

Year	Uses	Source
1985	WHON JE WAN	Pacific Bell
	KOUYOUMJIAN ISABEL	Pacific Bell

Year	Uses	Source
1980	KOUYOUMJIAN ISABEL N 3RD AVE ARCADIA	Pacific Telephone
	ALVAREZ FELIX M N 3RD AVE ARCADIA	Pacific Telephone
	BUBAR MATT S N 3RD AVE ARCADIA	Pacific Telephone
1975	SAAVEDRA ROBT	Pacific Telephone
1966	TRYGESTAD FLORENCE S MRS	Pacific Telephone
1960	PAULEN ROBT E	Pacific Telephone
	TRYGESTAD FLORENCE S MRS	Pacific Telephone
	PAULE GURNEY E	Pacific Telephone
1957	TRYGESTAD MARTIN	Pacific Telephone
1950	HOAGLAND BERT R	Pacific Telephone
	HOAGLAND BERT R	Pacific Telephone

28 N 3RD AVE

Year	Uses	Source
1985	MARVIN RICHARD V	Pacific Bell
1980	FRASER A L N 3RD AVE ARCADIA	Pacific Telephone
	TRACY L N 3RD AVE ARCADIA	Pacific Telephone
1966	SMITH DALE ECHLOE	Pacific Telephone
1960	HANSEN ROY J	Pacific Telephone
1957	HANSEN ROY J	Pacific Telephone

29 N 3RD AVE

Year	Uses	Source
1985	HOO RUBEN YEUNBING	Pacific Bell
1980	HOO RUBEN YEUNBING N 3RD AVE ARCADIA	Pacific Telephone
1960	REED IDA M	Pacific Telephone
1957	REED IDA M	Pacific Telephone

32 N 3RD AVE

Year	Uses	Source
1980	VALDEZ RAUL N 3RD AVE ARCADIA	Pacific Telephone
1975	WALLING GEOFFREY	Pacific Telephone
1966	DURLAND DENNIS A	Pacific Telephone
1960	CUSHINGHAM E S	Pacific Telephone
1957	MEYER HENRY T	Pacific Telephone
1950	HAYWARD EDW C R	Pacific Telephone
	HAYWARD EDW C R	Pacific Telephone

FINDINGS

33 N 3RD AVE

Year	Uses	Source
1980	BATES G N N 3RD AVE ARCADIA	Pacific Telephone
1966	STURNIOLO MRS	Pacific Telephone
1960	WAY LAWRENCE J	Pacific Telephone
1957	WAY LAWRENCE J	Pacific Telephone
1950	WAY LAWRENCE J R	Pacific Telephone
	WAY LAWRENCE J R	Pacific Telephone

34 N 3RD AVE

Year	Uses	Source
1985	VELASQUEZ MARTHA	Pacific Bell
1980	BARNETT MICHAEL P N 3RD AVE ARCADIA	Pacific Telephone
1966	HOUSTON RICHARD	Pacific Telephone
1957	VASKO JOHN M	Pacific Telephone

37 N 3RD AVE

Year	Uses	Source
1985	HUGHES LAURA	Pacific Bell
	HUGHES LAURA	Pacific Bell
1980	HUGHES LAURA N 3RD AVE ARCADIA	Pacific Telephone
1957	GRAY DANL W	Pacific Telephone
1950	WOODS B W MRS R	Pacific Telephone
	WOODS B W MRS R	Pacific Telephone

38 N 3RD AVE

Year	Uses	Source
1985	CHIN JOHN S	Pacific Bell
	COTTRELL CHRISTOPHER	Pacific Bell
	JACOBS AL	Pacific Bell
	YI WON C	Pacific Bell
1980	YAEGER RICHARD M N 3RD AVE ARCADIA	Pacific Telephone
	MARTIN KENNETH E N 3RD AVE ARCADIA	Pacific Telephone
	CHIN JOHN S N 3RD AVE ARCADIA	Pacific Telephone
	LILE JERRY N 3RD AVE ARCADIA	Pacific Telephone
1975	LESLIE DIANNE	Pacific Telephone
	FERRELL E	Pacific Telephone
	BUCKMAN HENRY	Pacific Telephone

FINDINGS

Year	Uses	Source
1975	STEPHENS S	Pacific Telephone
	HANSON M ARCADIA	Pacific Telephone
1966	WRIGHT JAS W	Pacific Telephone
	MULFORD JEFFREY P	Pacific Telephone
	BUCKMAN HENRY	Pacific Telephone
1960	O LEARY M L	Pacific Telephone
	HICKS BARBARA	Pacific Telephone
	GAYLORD ALBERT	Pacific Telephone
	FLUEG W H	Pacific Telephone
	BUCKMAN HENRY	Pacific Telephone
1957	O LEARY L	Pacific Telephone
	GAYLORD ALBERT	Pacific Telephone
	FLUEG W H	Pacific Telephone
	BUCKMAN HENRY	Pacific Telephone
1950	GROAT MYRTLE MRS R	Pacific Telephone
	HAGEN CHAS FRED R	Pacific Telephone
	MEAD CHAS A R	Pacific Telephone
	GROAT MYRTLE MRS R	Pacific Telephone
	HAGEN CHAS FRED R	Pacific Telephone
	MEAD CHAS A R	Pacific Telephone

42 N 3RD AVE

Year	Uses	Source
1985	NAJJAR ELIE	Pacific Bell
	MORGAN P N	Pacific Bell
1980	SMITH T N 3RD AVE ARCADIA	Pacific Telephone
	OLIAI MAJEED N 3RD AVE ARCADIA	Pacific Telephone
	STILWELL MIKE N 3RD AVE ARCADIA	Pacific Telephone
1975	GARDNER Y MRS ARCADIA	Pacific Telephone
	THORPE LESTER G	Pacific Telephone
1966	THORPE LESTER G	Pacific Telephone
1960	PHILLIPS DOREEN	Pacific Telephone
	SMITH CARROLL W	Pacific Telephone
1957	SULLIVAN ROBT E	Pacific Telephone
1950	DENMAN KATHRYNE R	Pacific Telephone
	DENMAN KATHRYNE R	Pacific Telephone

FINDINGS

44 N 3RD AVE

Year	Uses	Source
1975	MC GRANE JOHN R II	Pacific Telephone
1966	NOLIN DEL	Pacific Telephone
1957	LASSWELL A G	Pacific Telephone
	LAWRENCE RAY B	Pacific Telephone
1950	WRIGHT E H R	Pacific Telephone
	WILSON F J R	Pacific Telephone
	FASNACHT JOHN R R	Pacific Telephone
	WILSON F J R	Pacific Telephone
	WRIGHT E H R	Pacific Telephone
	FASNACHT JOHN R R	Pacific Telephone

45 N 3RD AVE

Year	Uses	Source
1980	LEHMAN LYNN N 3RD AVE ARCADIA	Pacific Telephone
1975	LEHMAN LYNN	Pacific Telephone
1966	KIRMSSE KENNETH	Pacific Telephone
1960	KIRMSSE OTTO JR	Pacific Telephone
1957	KIRMSSE OTTO JR	Pacific Telephone
1950	TIMERHOFF E R	Pacific Telephone
	TIMERHOFF E R	Pacific Telephone

49 N 3RD AVE

Year	Uses	Source
1966	FELTZ RONALD M	Pacific Telephone
	FELTZ CHARLENE	Pacific Telephone
1960	BOYD FRANCES M	Pacific Telephone
	GROSS OZELLA ARCADIA	Pacific Telephone
1957	BLOYS R D	Pacific Telephone
1950	DAILY IDA MRS R	Pacific Telephone
	DAILY IDA MRS R	Pacific Telephone

51 N 3RD AVE

Year	Uses	Source
1976	LINK NILSEN CORP	Pacific Telephone
1975	LINK NILSEN CORP	Pacific Telephone
1966	NILSEN FIRE PROTECTION INC	Pacific Telephone
	NILSEN FIRE PROTECTION ENGINEERING	Pacific Telephone

Year	Uses	Source
1960	GEDDES MERLIN L PLUMBNG & HEATING	Pacific Telephone
1957	GEDDES MERLIN L PLUMBNG & HEATING	Pacific Telephone
1950	GEDDES MERLIN L PLUMBNG & HEATING	Pacific Telephone
	GEDDES MERLIN L PLUMBNG & HEATING	Pacific Telephone

120 N 3RD AVE

Year	Uses	Source
1985	ARCADIA PONY COLT CONCESSION	Pacific Bell

123 N 3RD AVE

Year	Uses	Source
1986	BONG CLIFFORD C & CO CONTRS ARCADIA	Pacific Bell
1985	BONG CLIFFORD C & CO CONTRS	Pacific Bell
1981	BONG CLIFFORD C & CO CONTRS ARCADIA	Pacific Telephone
1980	BONG CLIFFORD C & CO CONTRS N 3RD AVE ARCADIA	Pacific Telephone
1976	Bong Clifford C & Co contrs	Pacific Telephone
1975	BONG CLIFFORD C & CO CONTRS	Pacific Telephone
1966	BONG CLIFFORD C & CO CONTRS	Pacific Telephone
1960	BONG CLIFFORD C & CO CONTRS	Pacific Telephone
1957	BONG CLIFFORD C & CO CONTRS	Pacific Telephone
1950	BONG CLIFFORD C & CO YD	Pacific Telephone
	BONG CLIFFORD C & CO CONTRS	Pacific Telephone
	BONG CLIFFORD C & CO YD	Pacific Telephone
	BONG CLIFFORD C & CO CONTRS	Pacific Telephone

21A N 3RD AVE

Year	Uses	Source
1966	FARLEY THOS P	Pacific Telephone
1960	LEAF ISABEL	Pacific Telephone
	LEAF DARYL E	Pacific Telephone

49A N 3RD AVE

Year	Uses	Source
1985	CLAYTON J	Pacific Bell
1980	NOTTINGHAM BRADLEY N 3RD AVE ARCADIA	Pacific Telephone

Year	Uses	Source
1975	LOSEY ORVILLE F	Pacific Telephone
1957	AVERY DONALD S	Pacific Telephone

28 1/2 N 3RD AVE

Year	Uses	Source
1985	TREJO LORENZO MARIN	Pacific Bell
1980	MARVIN RICHARD V N 3RD AVE ARCADIA	Pacific Telephone
1975	TAYLOR DON E	Pacific Telephone
1966	KING KAY	Pacific Telephone
1950	MERION IRENE R	Pacific Telephone
	MERION IRENE R	Pacific Telephone

34 1/2 N 3RD AVE

Year	Uses	Source
1980	ANDERSON ROBT G N 3RD AVE ARCADIA	Pacific Telephone
1975	HALL JOAN K	Pacific Telephone
1966	LOSEY ORVILLE F	Pacific Telephone
1960	LOSEY ORVILLE F	Pacific Telephone

S 2ND AVE

2 S 2ND AVE

Year	Uses	Source
1999	ND AV S 91006 CONT	Haines Company
	ND AV S 91006 CONT	Haines Company

5 S 2ND AVE

Year	Uses	Source
1995	Foothill Landscaping & Sprinkler Co	Pacific Bell
	I Tikvah S S	Pacific Bell

6 S 2ND AVE

Year	Uses	Source
1995	Warnke	Pacific Bell

02 S 2ND AVE

Year	Uses	Source
1995	I Gahr Wm T I S	Pacific Bell

FINDINGS

19 S 2ND AVE

Year	Uses	Source
1999	XXXX	Haines Company
1985	DEAN POOLS THE CUSTOM BUILDER	Pacific Bell
1980	DEAN POOLS THE CUSTOM BUILDER S 2ND AVE ARCADIA	Pacific Telephone
1975	BIRMINGHAM DECORATING SERVICE	Pacific Telephone
	HOMEOWNERS RECLAMATION CO	Pacific Telephone
1960	ARCADIA GENL TIRE CO	Pacific Telephone
	GENERAL TIRE CO OF ARCADIA ARCADIA	Pacific Telephone
1957	ARCADIA LOCK SERV	Pacific Telephone
	NORM S LAWN MOWER SHOP	Pacific Telephone
	WINBLAD NORMAN E NORM S LAWN MOWER SHOP	Pacific Telephone
1950	BUCK L V IWN MOWERS	Pacific Telephone
	BUCK L V IWN MOWERS	Pacific Telephone

21 S 2ND AVE

Year	Uses	Source
2006	000	Haines Company
1985	HELWICK CARRIE J	Pacific Bell
1980	HELWICK CARRIE J S 2ND AVE ARCADIA	Pacific Telephone
1966	BERTOLINA C O	Pacific Telephone
1950	MAGDIEL MARIA MRS R	Pacific Telephone
	MAGDIEL MARIA MRS R	Pacific Telephone

23 S 2ND AVE

Year	Uses	Source
2006	LI PIng	Haines Company
1995	Marquez Jalme Carios	Pacific Bell
1985	CURNOE B	Pacific Bell
1980	CURNOE B S 2ND AVE ARCADIA	Pacific Telephone
1975	SCOTT B B ARCADIA	Pacific Telephone
1960	TYCKOWSKI JOS	Pacific Telephone
1957	BEGIN MARIE	Pacific Telephone
1950	MILLER JOHN E R	Pacific Telephone
	MILLER JOHN E R	Pacific Telephone

FINDINGS

25 S 2ND AVE

Year	Uses	Source
2006	HEGABAhmed	Haines Company
1999	HEGAB Ahmed D	Haines Company
1985	JENSON CLIFF JR	Pacific Bell
1980	HUBBELL GLENN S 2ND AVE ARCADIA	Pacific Telephone
1975	TREW M M	Pacific Telephone
1966	TREW M M	Pacific Telephone
1960	TREW M M	Pacific Telephone
1957	TREW M M	Pacific Telephone
1950	TREW M M R	Pacific Telephone
	TREW M M R	Pacific Telephone

31 S 2ND AVE

Year	Uses	Source
2006	AGUAYO Nicolas	Haines Company
1966	GENSS DAVID	Pacific Telephone
1960	GENSS DAVID	Pacific Telephone
1957	EBERLY GORDON S	Pacific Telephone
1950	BERTOLINA L C R	Pacific Telephone
	BERTOLINA L C R	Pacific Telephone

51 S 2ND AVE

Year	Uses	Source
1950	LAVOIE HENRY R	Pacific Telephone
	LAVOIE HENRY R	Pacific Telephone

80 S 2ND AVE

Year	Uses	Source
1950	TEICH DAVID V R	Pacific Telephone
	TEICH DAVID V R	Pacific Telephone

103 S 2ND AVE

Year	Uses	Source
1999	XXXX	Haines Company
1975	WOODWARD K Y	Pacific Telephone
1957	HALSTEAD STANLEY E	Pacific Telephone
1950	HALSTEAD STANLEY E R	Pacific Telephone
	HALSTEAD STANLEY E R	Pacific Telephone

FINDINGS

105 S 2ND AVE

Year	Uses	Source
1999	XXXX	Haines Company
1975	FARRIS M L	Pacific Telephone
1966	JOSEPHSON ANNIE K	Pacific Telephone
1960	RYAN LOUISE H	Pacific Telephone
1950	MCCLAIN ELIZABETH R	Pacific Telephone
	MCCLAIN ELIZABETH R	Pacific Telephone

107 S 2ND AVE

Year	Uses	Source
1999	XXXX	Haines Company
1985	MEARS MARCIA	Pacific Bell
1980	COOK I S 2ND AVE ARCADIA	Pacific Telephone
1966	WHIPPLE AMY B MRS	Pacific Telephone
1957	ST JOHN W W	Pacific Telephone
1950	KELLUM J B R	Pacific Telephone
	KELLUM J B R	Pacific Telephone

113 S 2ND AVE

Year	Uses	Source
1999	XXXX	Haines Company
	X BONITA	Haines Company

115 S 2ND AVE

Year	Uses	Source
1999	XXXX	Haines Company
1995	Craft B D Cov	Pacific Bell
	Craford E	Pacific Bell
1975	ANDERSON MARK S	Pacific Telephone
1966	WITTNEBERT E B MRS	Pacific Telephone
1957	WOLF D C	Pacific Telephone
1950	DYMOND CHAS R	Pacific Telephone
	DYMOND CHAS R	Pacific Telephone

117 S 2ND AVE

Year	Uses	Source
1950	SEIFRIED CHAS WALTER EGGS	Pacific Telephone
	SEIFRIED CHAS WALTER EGGS	Pacific Telephone

FINDINGS

121 S 2ND AVE

Year	Uses	Source
1942	RICE L W ydmn UPRCo	Los Angeles Directory Co.

125 S 2ND AVE

Year	Uses	Source
1980	WATKINS SAML B S 2ND AVE ARCADIA	Pacific Telephone

50S S 2ND AVE

Year	Uses	Source
1966	GALLO D R	Pacific Telephone

23 1/2 S 2ND AVE

Year	Uses	Source
1995	MARQUEZ JALME CARIOS	Pacific Bell
1975	HELWICK JEROME J ARCADIA	Pacific Telephone
1966	HELWICK JEROME J	Pacific Telephone
1957	HELWICK JEROME J	Pacific Telephone

126 1/2 S 2ND AVE

Year	Uses	Source
1966	HUNTER T H	Pacific Telephone
1960	HUNTER T H	Pacific Telephone
1957	HUNTER T H	Pacific Telephone

WHEELER AVE

157 WHEELER AVE

Year	Uses	Source
1980	CORDOVA JOHN WHEELER AVE ARCADIA	Pacific Telephone

FINDINGS

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched	Address Not Identified in Research Source
02 S 2ND AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
100 N 2ND AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
101 N 2ND AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
103 S 2ND AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
105 N 2ND AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
105 S 2ND AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
107 N 2ND AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
107 S 2ND AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11 N 3RD AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
113 N 2ND AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
113 S 2ND AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
115 S 2ND AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
117 N 2ND AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
117 S 2ND AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
117A N 2ND AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
117B N 2ND AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
117E N 2ND AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
119 N 2ND AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
120 N 3RD AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
121 1/2 N 2ND AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
121 N 2ND AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
121 S 2ND AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
123 N 3RD AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
125 N 2ND AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
125 S 2ND AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
126 1/2 S 2ND AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
144 N 2ND AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
15 N 3RD AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
154 E HUNTINGTON DR	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
157 E HUNTINGTON DR	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
157 WHEELER AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
159 E HUNTINGTON DR	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
159 E Huntington Dr	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
159 E Huntington Dr	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
16 N 3RD AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
160 E HUNTINGTON DR	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
162 E HUNTINGTON DR	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
164 E HUNTINGTON DR	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
164 N 2ND AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
166 ALTA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
166 E HUNTINGTON DR	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
166 E Huntington Dr	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
166 E Huntington Dr	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
170 E HUNTINGTON DR	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
19 S 2ND AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
199 N 2nd Ave	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
199 N 2nd Ave	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2 N 2ND AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2 S 2ND AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
20 N 3RD AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
21 N 2ND AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
21 N 3RD AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
21 S 2ND AVE	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
211 E HUNTINGTON DR	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
211 E Huntington Dr	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
211 E Huntington Dr	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
211 East Huntington Drive	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
212 BONITA ST	2014, 2010, 2004, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
215 E HUNTINGTON DR	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
217 E HUNTINGTON DR	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
218 E HUNTINGTON DR	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
219 E HUNTINGTON DR	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
21A N 3RD AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
22 N 3RD AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
222 E HUNTINGTON DR	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
223 E HUNTINGTON DR	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
228 BONITA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
23 1/2 S 2ND AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
23 N 3RD AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
23 S 2ND AVE	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
231 1/2 E HUNTINGTON DR	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
231 E HUNTINGTON DR	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
24 N 3RD AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25 N 3RD AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25 S 2ND AVE	2014, 2010, 2004, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
255 E Santa Clara St	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
255 E Santa Clara St	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
260 E HUNTINGTON DR	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
28 1/2 N 3RD AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
28 N 3RD AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
280 BONITA ST	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
285 E HUNTINGTON DR	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
29 N 3RD AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
300 E HUNTINGTON DR	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
300 E Huntington Dr	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
300 E Huntington Dr	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
300 East Huntington Drive	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
301 E HUNTINGTON DR	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
301 E Huntington Dr	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
301 E Huntington Dr	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
301 East Huntington Drive	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
302 E HUNTINGTON DR	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
302 E Huntington Dr	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
302 E Huntington Dr	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
304 E Huntington Dr	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
304 E Huntington Dr	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
304 E HUNTINGTON DR	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
308 E HUNTINGTON DR	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
308 E Huntington Dr	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
308 E Huntington Dr	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
31 S 2ND AVE	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
310 E HUNTINGTON DR	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
311 E HUNTINGTON DR	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
311 E Huntington Dr	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
311 E Huntington Dr	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
311 East Huntington Drive	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
312 1/2 E HUNTINGTON DR	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
312 E Huntington Dr	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
312 E Huntington Dr	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
312 E HUNTINGTON DR	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
313 E HUNTINGTON DR	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
314 E HUNTINGTON DR	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
314 E Huntington Dr	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
314 E Huntington Dr	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
315 1/2 E HUNTINGTON DR	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
315 E HUNTINGTON DR	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
316 E HUNTINGTON DR	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
316 E Huntington Dr	2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
316 E Huntington Dr	2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
317 1/2 E HUNTINGTON DR	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
317 E HUNTINGTON DR	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
318 E HUNTINGTON DR	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
318A E HUNTINGTON DR	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
32 N 3RD AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
320 E HUNTINGTON DR	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
320 E Huntington Dr	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
320 E Huntington Dr	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
321 E Huntington Dr	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
321 E HUNTINGTON DR	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
321 E Huntington Dr	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
322 1/2 E HUNTINGTON DR	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
322 E HUNTINGTON DR	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
324 E HUNTINGTON DR	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
324 E Huntington Dr	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
324 E Huntington Dr	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
326 E HUNTINGTON DR	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
328 E HUNTINGTON DR	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
328 E Huntington Dr	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
328 E Huntington Dr	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
33 N 3RD AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
332 E HUNTINGTON DR	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
332 E Huntington Dr	2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
332 E Huntington Dr	2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
333 E Huntington Dr	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
333 E HUNTINGTON DR	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
333 E Huntington Dr	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
334 E HUNTINGTON DR	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
336 E HUNTINGTON DR	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
336 E Huntington Dr	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
336 E Huntington Dr	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
34 1/2 N 3RD AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
34 N 3RD AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
340 E HUNTINGTON DR	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
37 N 3RD AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
38 N 3RD AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
400 E Huntington Dr	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
400 E Huntington Dr	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
400 East Huntington Drive	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
401 E Santa Clara St	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
401 E Santa Clara St	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
405 E Santa Clara St	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
405 E Santa Clara St	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
42 N 3RD AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
420 E Huntington Dr	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
420 E Huntington Dr	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
420 East Huntington Drive	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
430 E Huntington Dr	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
430 E Huntington Dr	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
430 East Huntington Drive	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
44 N 3RD AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
440 East Huntington Drive	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
45 N 3RD AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
49 N 3RD AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
49A N 3RD AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
5 N 3RD AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
5 S 2ND AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
50S S 2ND AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
51 N 3RD AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
51 S 2ND AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
6 S 2ND AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
80 S 2ND AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
99 N 2ND AVE	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
99 N 2nd Ave	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
99 N 2nd Ave	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched	Address Not Identified in Research Source
233 East Huntington Drive	2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

APPENDIX F - ENVIRONMENTAL DATABASE REPORT

Elite Holdings & Associates, LLC
233 East Huntington Drive
Arcadia, CA 91006

Inquiry Number: 5779247.2s
September 05, 2019

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION	PAGE
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	9
Orphan Summary	173
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting Source Map	A-7
Physical Setting Source Map Findings	A-8
Physical Setting Source Records Searched	PSGR-1

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

233 EAST HUNTINGTON DRIVE
ARCADIA, CA 91006

COORDINATES

Latitude (North):	34.1407130 - 34° 8' 26.56''
Longitude (West):	118.0237770 - 118° 1' 25.59''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	405608.6
UTM Y (Meters):	3778036.5
Elevation:	483 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5636853 MOUNT WILSON, CA
Version Date:	2012
South Map:	5630799 EL MONTE, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140515
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
233 EAST HUNTINGTON DRIVE
ARCADIA, CA 91006

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	DERBY RESTAURANT	233 E HUNTINGTON DR	LA Co. Site Mitigation		TP
A2	SANTA ANITA PARK	285 HUNTINGTON DRIVE	CHMIRS, WDS	Lower	2, 0.000,
A3	LA TURF CLUB INCNA S	285 HUNTINGTON DR W	FINDS	Lower	2, 0.000,
A4	SANTA ANITA PARK	285 HUNTINGTON	CERS	Lower	2, 0.000,
A5	CITY OF ARCADIA REDE	313 E HUNTINGTON DR	SWEEPS UST, LOS ANGELES CO. HMS	Lower	49, 0.009, SE
A6	CITY OF ARCADIA REDE	311 E HUNTINGTON DR	SWEEPS UST, LOS ANGELES CO. HMS	Higher	64, 0.012, NNE
A7	CITY OF ARCADIA	250 HUNTINGTON DR W	LUST, SWEEPS UST, HIST UST, CA FID UST, LOS...	Lower	78, 0.015, South
A8	METHODIST HOSPITAL O	300 HUNTINGTON DR	RCRA-SQG	Lower	78, 0.015, SSE
A9	LESLIE'S POOL SUPPLI	324 E HUNTINGTON DR,	RCRA NonGen / NLR	Lower	79, 0.015, SSE
A10	COSMOPROF BEAUTY	332 E HUNTINGTON DR	RCRA NonGen / NLR	Lower	80, 0.015, SSE
A11	COSMOPROF SUPPLY	332 E HUNTINGTON DR	CERS HAZ WASTE, HAZNET	Lower	80, 0.015, SSE
A12	LOMBARDO AUTOMOTIVE	334 E HUNTINGTON	EDR Hist Auto	Lower	80, 0.015, SSE
A13	LOWELL & STOUT UNION	301 E HUNTINGTON DR	EDR Hist Auto	Higher	87, 0.016, ESE
B14	DENTAL CENTER OF ARC	440 E HUNTINGTON DR	RCRA NonGen / NLR	Lower	391, 0.074, ESE
C15	CITY OF ARCADIA	301 E SANTA CLARA ST	SWEEPS UST, CA FID UST, LOS ANGELES CO. HMS, LA...	Higher	435, 0.082, North
C16	KIEWIT ARCADIA YARD	301 E SANTA CLARA ST	RCRA NonGen / NLR, FINDS, ECHO	Higher	435, 0.082, North
C17	KIEWIT PACIFIC	301 E SANTA CLARA	HIST UST	Higher	435, 0.082, North
C18	ARCADIA YARD	301 E SANTA CLARA ST	HIST UST	Higher	435, 0.082, North
19	EXTENDED STAY	420 E SANTA CLARA ST	RCRA NonGen / NLR	Higher	446, 0.084, NNE
D20	CARL'S FLYING A SERV	159 E HUNTINGTON DR	EDR Hist Auto	Higher	464, 0.088, WSW
D21	BEST GARAGE & SERVIC	170 E HUNTINGTON DR	EDR Hist Auto	Lower	483, 0.091, WSW
B22	ARCADIA DATSUN	333 E HUNTINGTON DR	SWEEPS UST, LOS ANGELES CO. HMS	Lower	557, 0.105, East
B23	ARCADIA NISSAN	333 E HUNTINGTON DR	RCRA-SQG, FINDS, ECHO	Lower	557, 0.105, East
E24	CLASS A COIN LAUNDRY	411 E HUNTINGTON DR	EDR Hist Cleaner	Lower	658, 0.125, East
E25	SALONCENTRIC INC 600	411 E HUNTINGTON DR	RCRA NonGen / NLR	Lower	658, 0.125, East
E26	SOUTHWEST CLEANERS A	411 E HUNTINGTON DR	DRYCLEANERS	Lower	658, 0.125, East
E27	BEYOND CARE HOSPICE	411 E HUNTINGTON DR	RCRA NonGen / NLR	Lower	658, 0.125, East
F28	TECHNAR INC	205 N SECOND ST	RCRA NonGen / NLR, HAZNET	Higher	662, 0.125, NW
G29	VALLEY DIGESTINE HEA	488 E SANTA CLARA ST	RCRA NonGen / NLR	Higher	716, 0.136, ENE
G30	ZOTOS INTERNATIONAL,	488 EAST SANTA CLARA	RCRA NonGen / NLR	Higher	716, 0.136, ENE
H31	CLIFFORD C BONG AND	123 N THIRD AVE	HIST UST	Lower	744, 0.141, South
H32	CLIFFORD C. BONG & C	123 S 3RD AVE	HIST UST	Lower	744, 0.141, South
33	DK CYCLES INC DBA HE	142 E HUNTINGTON DR	RCRA NonGen / NLR	Lower	754, 0.143, WSW
F34	J M RACING INC	144 E SANTA CLARA ST	RCRA-SQG	Higher	781, 0.148, WNW
H35	ARCADIA USD HUNTINGT	150 S 3RD AVE	RCRA-SQG, FINDS, ECHO	Lower	790, 0.150, South
36	TOVA 9	140 E SANTA CLARA	RCRA-SQG, FINDS, ECHO	Higher	845, 0.160, WNW
I37	ARCADIA MOTOR SERVIC	134 WHEELER AVE	SWEEPS UST, LOS ANGELES CO. HMS	Higher	845, 0.160, West
I38	ARCADIA MOTOR SVC	134 WHEELER	RCRA-SQG, FINDS, ECHO	Higher	845, 0.160, West
I39	DAN'S AUTO CARE	134 E WHEELER AVE	CERS HAZ WASTE, CERS	Higher	845, 0.160, West

MAPPED SITES SUMMARY

Target Property Address:
233 EAST HUNTINGTON DRIVE
ARCADIA, CA 91006

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
I40	ARCADIA MOTOR SERVIC	134 WHEELER AVE	HIST UST	Higher	845, 0.160, West
F41	E-Z-HOOK, DIVISION O	225 N 2ND AVE	UST	Higher	868, 0.164, NNW
F42	APW DEVELOPMENT COMP	225 NORTH SECOND AVE	RCRA-SQG	Higher	868, 0.164, NNW
J43	HEALTHCARE PARTNERS	450 E HUNTINGTON DR	RCRA NonGen / NLR	Lower	971, 0.184, SE
K44	COLLECTORS CARS	150 E ST JOSEPH	RCRA-SQG, FINDS, ECHO, HAZNET	Higher	999, 0.189, NW
L45	QUALITY CAR CARE PRO	941 W HUNTINGTON DR	HIST UST, EMI	Lower	1018, 0.193, East
L46	JUSTICE BROTHERS INC	941 HUNTINGTON DR W	LUST, HIST CORTESE, LOS ANGELES CO. HMS, CERS	Lower	1081, 0.205, East
47	AIR LOGISTICS CORP	324 N SECOND ST	RCRA NonGen / NLR, FINDS, ECHO	Higher	1091, 0.207, NNW
K48	CALIBER COLLISION CE	140 E SAINT JOSEPH S	RCRA NonGen / NLR	Higher	1094, 0.207, NW
K49	TAKANOS BODY SHOP	140 E ST. JOSEPH ST	RCRA-SQG, FINDS, ECHO	Higher	1094, 0.207, NW
K50	AUTO SQUARE COLLISIO	140 E SAINT JOSEPH S	RCRA NonGen / NLR	Higher	1094, 0.207, NW
K51	AUTO SQUARE COLLISIO	140 E SAINT JOSEPH S	CERS HAZ WASTE, HAZNET, CERS	Higher	1094, 0.207, NW
K52	L&L MOTORSPORTS INC	136 E SAINT JOSEPH S	RCRA NonGen / NLR	Higher	1134, 0.215, NW
M53	CHEVRON SERVICE STAT	102 HUNTINGTON DR E	LUST, Cortese, CERS	Higher	1147, 0.217, WSW
L54	TUNE UP MASTERS SHOP	915 HUNTINGTON DR E	LUST, HIST CORTESE, CERS	Lower	1171, 0.222, East
M55	HUNTINGTON FUEL INC	102 E HUNTINGTON DR	RCRA NonGen / NLR	Higher	1172, 0.222, WSW
M56	CHEVRON USA SS 09129	102 E HUNTINGTON DR	UST	Higher	1172, 0.222, WSW
M57	MACKS CHEVRON/ C/O M	102 E HUNTINGTON	CERS HAZ WASTE, SWEEPS UST, HIST UST, CERS TANKS,...	Higher	1172, 0.222, WSW
M58	PROPEL FUELS (206008	102 E HUNTINGTON DR	RCRA NonGen / NLR	Higher	1172, 0.222, WSW
J59	SOUTHERN CALIFORNIA	1218 S 5TH AVE	CERS HAZ WASTE, CERS TANKS, HAZNET, CERS	Lower	1220, 0.231, SE
N60	AVIS RENT A CAR	112 N 1ST AVE	HIST UST	Higher	1256, 0.238, WNW
N61	AVIS BUDGET CAR RENT	112 N FIRST AVE	RCRA NonGen / NLR	Higher	1256, 0.238, WNW
N62	AVIS RENT A CAR	112 N FIRST AVENUE	HIST UST	Higher	1256, 0.238, WNW
O63	PHILLIP H SCOTT 14-0	912 W HUNTINGTON	HIST UST	Lower	1279, 0.242, East
O64	95098	854 HUNTINGTON DR	SWEEPS UST, HIST UST	Lower	1316, 0.249, East
P65	TROTTER APARTMENTS	829 W. OLIVE AVENUE	SEMS	Higher	2423, 0.459, NE
66	ARCADIA UNIFIED SCHO	35 SAINT JOSEPH ST W	LUST, SWEEPS UST, CA FID UST, HIST CORTESE, LOS...	Higher	2510, 0.475, WNW
P67	TROTTER APARTMENTS	827/829 W OLIVE AVE	RESPONSE, ENVIROSTOR, HIST Cal-Sites, CERS	Higher	2515, 0.476, NE
68	PROPOSED SCHOOL ADDI	845 WEST COLORADO BO	ENVIROSTOR, SCH	Higher	2601, 0.493, NE
69	ARCADIA CITY LANDFIL	100' W OF 2ND ST, 10	WMUDS/SWAT	Higher	2620, 0.496, NNW
70	TRANSAMERICA DELAVAL	333 NORTH SANTA ANIT	ENVIROSTOR	Higher	2735, 0.518, WNW
Q71	ROSS FIELD		FUDS	Lower	4775, 0.904, WSW
Q72	ROSS FIELD		ENVIROSTOR	Lower	4775, 0.904, WSW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 9 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
DERBY RESTAURANT 233 E HUNTINGTON DR ARCADIA, CA 91006	LA Co. Site Mitigation Case ID: RO0000394 Site ID: SD0010179	N/A

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ---------- National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY ---------- Federal Facility Site Information listing

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE ---------- Superfund Enterprise Management System Archive

Federal RCRA CORRACTS facilities list

CORRACTS ---------- Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF ---------- RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG ---------- RCRA - Large Quantity Generators

RCRA-CESQG ---------- RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

LUCIS ---------- Land Use Control Information System
US ENG CONTROLS ---------- Engineering Controls Sites List
US INST CONTROL ---------- Sites with Institutional Controls

Federal ERNS list

ERNS ---------- Emergency Response Notification System

State and tribal landfill and/or solid waste disposal site lists

SWF/LF ---------- Solid Waste Information System

State and tribal leaking storage tank lists

INDIAN LUST ---------- Leaking Underground Storage Tanks on Indian Land
CPS-SLIC ---------- Statewide SLIC Cases

State and tribal registered storage tank lists

FEMA UST ---------- Underground Storage Tank Listing
AST ---------- Aboveground Petroleum Storage Tank Facilities
INDIAN UST ---------- Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

INDIAN VCP ---------- Voluntary Cleanup Priority Listing
VCP ---------- Voluntary Cleanup Program Properties

State and tribal Brownfields sites

BROWNFIELDS ---------- Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ---------- A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY ---------- Recycler Database
HAULERS ---------- Registered Waste Tire Haulers Listing
INDIAN ODI ---------- Report on the Status of Open Dumps on Indian Lands
ODI ---------- Open Dump Inventory
DEBRIS REGION 9 ---------- Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS ---------- Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL ---------- Delisted National Clandestine Laboratory Register

AOCONCERN ---- Key Areas of Concerns in Los Angeles County
SCH ---- School Property Evaluation Program
CDL ---- Clandestine Drug Labs
Toxic Pits ---- Toxic Pits Cleanup Act Sites
US CDL ---- National Clandestine Laboratory Register
PFAS ---- PFAS Contamination Site Location Listing

Local Land Records

LIENS ---- Environmental Liens Listing
LIENS 2 ---- CERCLA Lien Information
DEED ---- Deed Restriction Listing

Records of Emergency Release Reports

HMIRS ---- Hazardous Materials Information Reporting System
LDS ---- Land Disposal Sites Listing
MCS ---- Military Cleanup Sites Listing
SPILLS 90 ---- SPILLS 90 data from FirstSearch

Other Ascertainable Records

DOD ---- Department of Defense Sites
SCRD DRYCLEANERS ---- State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR ---- Financial Assurance Information
EPA WATCH LIST ---- EPA WATCH LIST
2020 COR ACTION ---- 2020 Corrective Action Program List
TSCA ---- Toxic Substances Control Act
TRIS ---- Toxic Chemical Release Inventory System
SSTS ---- Section 7 Tracking Systems
ROD ---- Records Of Decision
RMP ---- Risk Management Plans
RAATS ---- RCRA Administrative Action Tracking System
PRP ---- Potentially Responsible Parties
PADS ---- PCB Activity Database System
ICIS ---- Integrated Compliance Information System
FTTS ---- FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS ---- Material Licensing Tracking System
COAL ASH DOE ---- Steam-Electric Plant Operation Data
COAL ASH EPA ---- Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER ---- PCB Transformer Registration Database
RADINFO ---- Radiation Information Database
HIST FTTS ---- FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS ---- Incident and Accident Data
CONSENT ---- Superfund (CERCLA) Consent Decrees
INDIAN RESERV ---- Indian Reservations
FUSRAP ---- Formerly Utilized Sites Remedial Action Program
UMTRA ---- Uranium Mill Tailings Sites
LEAD SMELTERS ---- Lead Smelter Sites
US AIRS ---- Aerometric Information Retrieval System Facility Subsystem
US MINES ---- Mines Master Index File
ABANDONED MINES ---- Abandoned Mines
DOCKET HWC ---- Hazardous Waste Compliance Docket Listing
ECHO ---- Enforcement & Compliance History Information

UXO	Unexploded Ordnance Sites
FUELS PROGRAM	EPA Fuels Program Registered Listing
CA BOND EXP. PLAN	Bond Expenditure Plan
CUPA Listings	CUPA Resources List
EMI	Emissions Inventory Data
ENF	Enforcement Action Listing
Financial Assurance	Financial Assurance Information Listing
HAZNET	Facility and Manifest Data
ICE	ICE
LOS ANGELES CO. HMS	HMS: Street Number List
HWP	EnviroStor Permitted Facilities Listing
HWT	Registered Hazardous Waste Transporter Database
MINES	Mines Site Location Listing
MWMP	Medical Waste Management Program Listing
NPDES	NPDES Permits Listing
PEST LIC	Pesticide Regulation Licenses Listing
PROC	Certified Processors Database
Notify 65	Proposition 65 Records
UIC	UIC Listing
UIC GEO	UIC GEO (GEOTRACKER)
WASTEWATER PITS	Oil Wastewater Pits Listing
WIP	Well Investigation Program Case List
MILITARY PRIV SITES	MILITARY PRIV SITES (GEOTRACKER)
PROJECT	PROJECT (GEOTRACKER)
WDR	Waste Discharge Requirements Listing
CIWQS	California Integrated Water Quality System
NON-CASE INFO	NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS	OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS	PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT	SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ	Well Stimulation Project (GEOTRACKER)
LOS ANGELES CO LF METHANE	Methane Producing Landfills

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	EDR Proprietary Manufactured Gas Plants

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF	Recovered Government Archive Solid Waste Facilities List
RGA LUST	Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

EXECUTIVE SUMMARY

STANDARD ENVIRONMENTAL RECORDS

Federal CERCLIS list

SEMS: SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

A review of the SEMS list, as provided by EDR, and dated 07/19/2019 has revealed that there is 1 SEMS site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TROTTER APARTMENTS Site ID: 0905476 EPA Id: CASFN0905476	829 W. OLIVE AVENUE	NE 1/4 - 1/2 (0.459 mi.)	P65	144

Federal RCRA generators list

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 03/25/2019 has revealed that there are 9 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
J M RACING INC EPA ID:: CAD983605726	144 E SANTA CLARA ST	WNW 1/8 - 1/4 (0.148 mi.)	F34	56
TOVA 9 EPA ID:: CAD981629488	***140 E SANTA CLARA***	***WNW 1/8 - 1/4 (0.160 mi.)***	***36***	***59***
ARCADIA MOTOR SVC EPA ID:: CAD983583303	***134 WHEELER***	***W 1/8 - 1/4 (0.160 mi.)***	***I38***	***61***
APW DEVELOPMENT COMP EPA ID:: CAC002821613	225 NORTH SECOND AVE	NNW 1/8 - 1/4 (0.164 mi.)	F42	69
COLLECTORS CARS EPA ID:: CAD983659822	***150 E ST JOSEPH***	***NW 1/8 - 1/4 (0.189 mi.)***	***K44***	***72***
TAKANOS BODY SHOP EPA ID:: CAD982478869	***140 E ST. JOSEPH ST***	***NW 1/8 - 1/4 (0.207 mi.)***	***K49***	***82***

Lower Elevation	Address	Direction / Distance	Map ID	Page
METHODIST HOSPITAL O	300 HUNTINGTON DR	SSE 0 - 1/8 (0.015 mi.)	A8	25

EPA ID:: CAD981451685

ARCADIA NISSAN	***333 E HUNTINGTON DR***	***E 0 - 1/8 (0.105 mi.)***	***B23***	***43***
EPA ID:: CAD981445554				
ARCADIA USD HUNTINGT	***150 S 3RD AVE***	***S 1/8 - 1/4 (0.150 mi.)***	***H35***	***57***
EPA ID:: CAD981667744				

State- and tribal - equivalent NPL

RESPONSE: Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

A review of the RESPONSE list, as provided by EDR, has revealed that there is 1 RESPONSE site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TROTTER APARTMENTS	***827/829 W OLIVE AVE***	***NE 1/4 - 1/2 (0.476 mi.)***	***P67***	***156***
AWP Facility Id: 19000008				
Status: Certified				
Facility Id: 19000008				

State- and tribal - equivalent CERCLIS

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 04/29/2019 has revealed that there are 4 ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TROTTER APARTMENTS	***827/829 W OLIVE AVE***	***NE 1/4 - 1/2 (0.476 mi.)***	***P67***	***156***
Facility Id: 19000008				
Status: Certified				
PROPOSED SCHOOL ADDI	***845 WEST COLORADO BO***	***NE 1/4 - 1/2 (0.493 mi.)***	***68***	***165***
Facility Id: 60000934				
Status: No Further Action				
TRANSAMERICA DELAVAL	333 NORTH SANTA ANIT	WNW 1/2 - 1 (0.518 mi.)	70	169
Facility Id: 19360517				
Status: Refer: Other Agency				

Lower Elevation	Address	Direction / Distance	Map ID	Page
ROSS FIELD		WSW 1/2 - 1 (0.904 mi.)	Q72	171

Facility Id: 80001133
Status: Inactive - Needs Evaluation

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the LUST list, as provided by EDR, has revealed that there are 5 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CHEVRON SERVICE STAT	***102 HUNTINGTON DR E***	***WSW 1/8 - 1/4 (0.217 mi.)***	***M53***	***91***
Database: LUST, Date of Government Version: 06/10/2019 Status: Open - Site Assessment Global Id: T10000010447				
ARCADIA UNIFIED SCHO	***35 SAINT JOSEPH ST W***	***WNW 1/4 - 1/2 (0.475 mi.)***	***66***	***145***
Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 06/10/2019 Status: Completed - Case Closed Facility Id: R-10762 Status: Case Closed Global Id: T0603704957 Global ID: T0603704957				

Lower Elevation	Address	Direction / Distance	Map ID	Page
CITY OF ARCADIA	***250 HUNTINGTON DR W***	***S 0 - 1/8 (0.015 mi.)***	***A7***	***20***
Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 06/10/2019 Status: Completed - Case Closed Facility Id: R-10517 Status: Leak being confirmed Global Id: T0603793084 Global ID: T0603793084				
JUSTICE BROTHERS INC	***941 HUNTINGTON DR W***	***E 1/8 - 1/4 (0.205 mi.)***	***L46***	***76***
Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 06/10/2019 Status: Completed - Case Closed Facility Id: I-15963 Status: Case Closed Global Id: T0603704373 Global ID: T0603704373				
TUNE UP MASTERS SHOP	***915 HUNTINGTON DR E***	***E 1/8 - 1/4 (0.222 mi.)***	***L54***	***94***
Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 06/10/2019 Status: Completed - Case Closed Facility Id: I-15624 Status: Case Closed Global Id: T0603704336				

Global ID: T0603704336

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, has revealed that there are 2 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
E-Z-HOOK, DIVISION O Database: UST, Date of Government Version: 06/10/2019	225 N 2ND AVE	NNW 1/8 - 1/4 (0.164 mi.)	F41	68
CHEVRON USA SS 09129 Database: UST, Date of Government Version: 06/10/2019 Facility Id: 9926 Facility Id: LACoFA0044560 Facility Id: LACoFA0014069	102 E HUNTINGTON DR	WSW 1/8 - 1/4 (0.222 mi.)	M56	98

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: The Waste Management Unit Database System is used for program tracking and inventory of waste management units. The source is the State Water Resources Control Board.

A review of the WMUDS/SWAT list, as provided by EDR, and dated 04/01/2000 has revealed that there is 1 WMUDS/SWAT site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ARCADIA CITY LANDFIL	100' W OF 2ND ST, 10	NNW 1/4 - 1/2 (0.496 mi.)	69	168

Local Lists of Hazardous waste / Contaminated Sites

HIST Cal-Sites: Formerly known as ASPIS, this database contains both known and potential hazardous substance sites. The source is the California Department of Toxic Substance Control. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

A review of the HIST Cal-Sites list, as provided by EDR, and dated 08/08/2005 has revealed that there is 1 HIST Cal-Sites site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TROTTER APARTMENTS	***827/829 W OLIVE AVE***	***NE 1/4 - 1/2 (0.476 mi.)***	***P67***	***156***

CERS HAZ WASTE: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

A review of the CERS HAZ WASTE list, as provided by EDR, and dated 08/14/2019 has revealed that there are 5 CERS HAZ WASTE sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
DAN'S AUTO CARE	*134 E WHEELER AVE*	*W 1/8 - 1/4 (0.160 mi.)*	*I39*	*63*
AUTO SQUARE COLLISIO	*140 E SAINT JOSEPH S*	*NW 1/8 - 1/4 (0.207 mi.)*	*K51*	*85*
MACKS CHEVRON/ C/O M	*102 E HUNTINGTON*	*WSW 1/8 - 1/4 (0.222 mi.)*	*M57*	*99*

Lower Elevation	Address	Direction / Distance	Map ID	Page
COSMOPROF SUPPLY	*332 E HUNTINGTON DR*	*SSE 0 - 1/8 (0.015 mi.)*	*A11*	*29*
SOUTHERN CALIFORNIA	*1218 S 5TH AVE*	*SE 1/8 - 1/4 (0.231 mi.)*	*J59*	*131*

Local Lists of Registered Storage Tanks

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 8 SWEEPS UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CITY OF ARCADIA REDE Status: A Comp Number: 14248	*311 E HUNTINGTON DR*	*NNE 0 - 1/8 (0.012 mi.)*	*A6*	*19*
CITY OF ARCADIA Status: A Comp Number: 12963	*301 E SANTA CLARA ST*	*N 0 - 1/8 (0.082 mi.)*	*C15*	*34*
ARCADIA MOTOR SERVIC Status: A Tank Status: A Comp Number: 14204	*134 WHEELER AVE*	*W 1/8 - 1/4 (0.160 mi.)*	*I37*	*61*
MACKS CHEVRON/ C/O M Comp Number: 9926	*102 E HUNTINGTON*	*WSW 1/8 - 1/4 (0.222 mi.)*	*M57*	*99*

Lower Elevation	Address	Direction / Distance	Map ID	Page
CITY OF ARCADIA REDE Status: A Comp Number: 13998	*313 E HUNTINGTON DR*	*SE 0 - 1/8 (0.009 mi.)*	*A5*	*19*
CITY OF ARCADIA Status: A Tank Status: A Comp Number: 10517	*250 HUNTINGTON DR W*	*S 0 - 1/8 (0.015 mi.)*	*A7*	*20*
ARCADIA DATSUN	*333 E HUNTINGTON DR*	*E 0 - 1/8 (0.105 mi.)*	*B22*	*41*

Status: A
Tank Status: A
Comp Number: 10562

95098 ***854 HUNTINGTON DR*** ***E 1/8 - 1/4 (0.249 mi.)*** ***O64*** ***140***
Status: A
Tank Status: A
Comp Number: 13503

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 12 HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
KIEWIT PACIFIC Facility Id: 00000050624	301 E SANTA CLARA	N 0 - 1/8 (0.082 mi.)	C17	37
ARCADIA YARD Facility Id: 00000005451	301 E SANTA CLARA ST	N 0 - 1/8 (0.082 mi.)	C18	39
ARCADIA MOTOR SERVIC Facility Id: 00000066641	134 WHEELER AVE	W 1/8 - 1/4 (0.160 mi.)	I40	68
MACKS CHEVRON/ C/O M Facility Id: 00000062023	***102 E HUNTINGTON***	***WSW 1/8 - 1/4 (0.222 mi.)***	***M57***	***99***
AVIS RENT A CAR Facility Id: 00000004826	112 N 1ST AVE	WNW 1/8 - 1/4 (0.238 mi.)	N60	137
AVIS RENT A CAR	112 N FIRST AVENUE	WNW 1/8 - 1/4 (0.238 mi.)	N62	138

Lower Elevation	Address	Direction / Distance	Map ID	Page
CITY OF ARCADIA	***250 HUNTINGTON DR W***	***S 0 - 1/8 (0.015 mi.)***	***A7***	***20***
CLIFFORD C BONG AND	123 N THIRD AVE	S 1/8 - 1/4 (0.141 mi.)	H31	53
CLIFFORD C. BONG & C Facility Id: 00000014058	123 S 3RD AVE	S 1/8 - 1/4 (0.141 mi.)	H32	54
QUALITY CAR CARE PRO Facility Id: 00000008934	***941 W HUNTINGTON DR***	***E 1/8 - 1/4 (0.193 mi.)***	***L45***	***74***
PHILLIP H SCOTT 14-0 Facility Id: 00000039729	912 W HUNTINGTON	E 1/8 - 1/4 (0.242 mi.)	O63	139
95098 Facility Id: 00000062708	***854 HUNTINGTON DR***	***E 1/8 - 1/4 (0.249 mi.)***	***O64***	***140***

CERS TANKS: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

A review of the CERS TANKS list, as provided by EDR, and dated 08/14/2019 has revealed that there are 2 CERS TANKS sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MACKS CHEVRON/ C/O M	***102 E HUNTINGTON***	***WSW 1/8 - 1/4 (0.222 mi.)***	***M57***	***99***

Lower Elevation	Address	Direction / Distance	Map ID	Page
SOUTHERN CALIFORNIA	***1218 S 5TH AVE***	***SE 1/8 - 1/4 (0.231 mi.)***	***J59***	***131***

CA FID UST: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there are 2 CA FID UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CITY OF ARCADIA Facility Id: 19027760 Status: A	***301 E SANTA CLARA ST***	***N 0 - 1/8 (0.082 mi.)***	***C15***	***34***

Lower Elevation	Address	Direction / Distance	Map ID	Page
CITY OF ARCADIA Facility Id: 19004458 Status: A	***250 HUNTINGTON DR W***	***S 0 - 1/8 (0.015 mi.)***	***A7***	***20***

Records of Emergency Release Reports

CHMIRS: The California Hazardous Material Incident Report System contains information on reported hazardous material incidents, i.e., accidental releases or spills. The source is the California Office of Emergency Services.

A review of the CHMIRS list, as provided by EDR, and dated 05/15/2019 has revealed that there is 1 CHMIRS site within approximately 0.001 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
SANTA ANITA PARK OES Incident Number: 118130 Date Completed: 22-JUL-91	***285 HUNTINGTON DRIVE***	***0 - 1/8 (0.000 mi.)***	***A2***	***9***

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 03/25/2019 has revealed that there are 19 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
KIEWIT ARCADIA YARD EPA ID:: CAD089060149	***301 E SANTA CLARA ST***	***N 0 - 1/8 (0.082 mi.)***	***C16***	***36***
EXTENDED STAY EPA ID:: CAC002990472	420 E SANTA CLARA ST	NNE 0 - 1/8 (0.084 mi.)	19	40
TECHNAR INC	***205 N SECOND ST***	***NW 1/8 - 1/4 (0.125 mi.)***	***F28***	***48***

EPA ID:: CAD047441282				
VALLEY DIGESTINE HEA EPA ID:: CAL000393527	488 E SANTA CLARA ST	ENE 1/8 - 1/4 (0.136 mi.)	G29	51
ZOTOS INTERNATIONAL, EPA ID:: CAC003001478	488 EAST SANTA CLARA	ENE 1/8 - 1/4 (0.136 mi.)	G30	52
AIR LOGISTICS CORP EPA ID:: CAD042246587	***324 N SECOND ST***	***NNW 1/8 - 1/4 (0.207 mi.)***	***47***	***79***
CALIBER COLLISION CE EPA ID:: CAL000412904	140 E SAINT JOSEPH S	NW 1/8 - 1/4 (0.207 mi.)	K48	81
AUTO SQUARE COLLISIO EPA ID:: CAL000282425	140 E SAINT JOSEPH S	NW 1/8 - 1/4 (0.207 mi.)	K50	84
L&L MOTORSPORTS INC EPA ID:: CAL000372492	136 E SAINT JOSEPH S	NW 1/8 - 1/4 (0.215 mi.)	K52	90
HUNTINGTON FUEL INC EPA ID:: CAL000442827	102 E HUNTINGTON DR	WSW 1/8 - 1/4 (0.222 mi.)	M55	97
PROPEL FUELS (206008 EPA ID:: CAL000362636	102 E HUNTINGTON DR	WSW 1/8 - 1/4 (0.222 mi.)	M58	130
AVIS BUDGET CAR RENT EPA ID:: CAL000441704	112 N FIRST AVE	WNW 1/8 - 1/4 (0.238 mi.)	N61	137

Lower Elevation	Address	Direction / Distance	Map ID	Page
LESLIE'S POOL SUPPLI EPA ID:: CAC002971379	324 E HUNTINGTON DR,	SSE 0 - 1/8 (0.015 mi.)	A9	26
COSMOPROF BEAUTY EPA ID:: CAL000412125	332 E HUNTINGTON DR	SSE 0 - 1/8 (0.015 mi.)	A10	28
DENTAL CENTER OF ARC EPA ID:: CAL000288993	440 E HUNTINGTON DR	ESE 0 - 1/8 (0.074 mi.)	B14	33
SALONCENTRIC INC 600 EPA ID:: CAL000394411	411 E HUNTINGTON DR	E 0 - 1/8 (0.125 mi.)	E25	45
BEYOND CARE HOSPICE EPA ID:: CAL000426945	411 E HUNTINGTON DR	E 0 - 1/8 (0.125 mi.)	E27	47
DK CYCLES INC DBA HE EPA ID:: CAL000364467	142 E HUNTINGTON DR	WSW 1/8 - 1/4 (0.143 mi.)	33	55
HEALTHCARE PARTNERS EPA ID:: CAL000409233	450 E HUNTINGTON DR	SE 1/8 - 1/4 (0.184 mi.)	J43	70

FUDS: The Listing includes locations of Formerly Used Defense Sites Properties where the US Army Corps Of Engineers is actively working or will take necessary cleanup actions.

A review of the FUDS list, as provided by EDR, and dated 05/15/2019 has revealed that there is 1 FUDS site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
ROSS FIELD		WSW 1/2 - 1 (0.904 mi.)	Q71	170

EXECUTIVE SUMMARY

FINDS: The Facility Index System contains both facility information and "pointers" to other sources of information that contain more detail. These include: RCRIS; Permit Compliance System (PCS); Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]; CERCLIS; DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA Chemicals in Commerce Information System (CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

A review of the FINDS list, as provided by EDR, and dated 05/03/2019 has revealed that there is 1 FINDS site within approximately 0.001 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
LA TURF CLUB INCNA S Registry ID:: 110065079140	285 HUNTINGTON DR W	0 - 1/8 (0.000 mi.)	A3	11

Cortese: The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

A review of the Cortese list, as provided by EDR, and dated 06/24/2019 has revealed that there is 1 Cortese site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CHEVRON SERVICE STAT Cleanup Status: OPEN - SITE ASSESSMENT	***102 HUNTINGTON DR E***	***WSW 1/8 - 1/4 (0.217 mi.)***	***M53***	***91***

DRYCLEANERS: A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaners' agents; linen supply; coin-operated laundries and cleaning; drycleaning plants except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

A review of the DRYCLEANERS list, as provided by EDR, has revealed that there is 1 DRYCLEANERS site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
SOUTHWEST CLEANERS A Database: DRYCLEAN SOUTH COAST, Date of Government Version: 03/19/2019	411 E HUNTINGTON DR	E 0 - 1/8 (0.125 mi.)	E26	46

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 3 HIST CORTESE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ARCADIA UNIFIED SCHO Reg Id: R-10762	***35 SAINT JOSEPH ST W***	***WNW 1/4 - 1/2 (0.475 mi.)***	***66***	***145***

Lower Elevation	Address	Direction / Distance	Map ID	Page
JUSTICE BROTHERS INC	***941 HUNTINGTON DR W***	***E 1/8 - 1/4 (0.205 mi.)***	***L46***	***76***

Reg Id: I-15963

TUNE UP MASTERS SHOP	***915 HUNTINGTON DR E***	***E 1/8 - 1/4 (0.222 mi.)***	***L54***	***94***

Reg Id: I-15624

WDS: California Water Resources Control Board - Waste Discharge System.

A review of the WDS list, as provided by EDR, and dated 06/19/2007 has revealed that there is 1 WDS site within approximately 0.001 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
SANTA ANITA PARK	***285 HUNTINGTON DRIVE***	***0 - 1/8 (0.000 mi.)***	***A2***	***9***

Facility Status: A
Facility Id: 4 19I011487

CERS: The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

A review of the CERS list, as provided by EDR, and dated 08/14/2019 has revealed that there is 1 CERS site within approximately 0.001 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
SANTA ANITA PARK	285 HUNTINGTON	0 - 1/8 (0.000 mi.)	A4	11

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 4 EDR Hist Auto sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LOWELL & STOUT UNION	301 E HUNTINGTON DR	ESE 0 - 1/8 (0.016 mi.)	A13	33
CARL'S FLYING A SERV	159 E HUNTINGTON DR	WSW 0 - 1/8 (0.088 mi.)	D20	41

Lower Elevation	Address	Direction / Distance	Map ID	Page
LOMBARDO AUTOMOTIVE	334 E HUNTINGTON	SSE 0 - 1/8 (0.015 mi.)	A12	33

EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
BEST GARAGE & SERVIC	170 E HUNTINGTON DR	WSW 0 - 1/8 (0.091 mi.)	D21	41

EDR Hist Cleaner: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Cleaner list, as provided by EDR, has revealed that there is 1 EDR Hist Cleaner site within approximately 0.125 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CLASS A COIN LAUNDRY	411 E HUNTINGTON DR	E 0 - 1/8 (0.125 mi.)	E24	45

EXECUTIVE SUMMARY

There were no unmapped sites in this report.

OVERVIEW MAP - 5779247.2S



0 1/4 1/2 1 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Elite Holdings & Associates, LLC	CLIENT:	CCI
ADDRESS:	233 East Huntington Drive Arcadia CA 91006	CONTACT:	David Jonas
		INQUIRY #:	5779247.2s
LAT/LONG:	34.140713 / 118.023777	DATE:	September 05, 2019 8:26 pm

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DETAIL MAP - 5779247.2S



0 1/16 1/8 1/4 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Elite Holdings & Associates, LLC	CLIENT:	CCI
ADDRESS:	233 East Huntington Drive Arcadia CA 91006	CONTACT:	David Jonas
LAT/LONG:	34.140713 / 118.023777	INQUIRY #:	5779247.2s
		DATE:	September 05, 2019 8:31 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	1	NR	NR	1
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		2	7	NR	NR	NR	9
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
RESPONSE	1.000		0	0	1	0	NR	1
State- and tribal - equivalent CERCLIS								
ENVIROSTOR	1.000		0	0	2	2	NR	4
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LUST	0.500		1	3	1	NR	NR	5

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	2	NR	NR	NR	2
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	1	NR	NR	1
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	0.001		0	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
AOCONCERN	1.000		0	0	0	0	NR	0
HIST Cal-Sites	1.000		0	0	1	0	NR	1
SCH	0.250		0	0	NR	NR	NR	0
CDL	0.001		0	NR	NR	NR	NR	0
CERS HAZ WASTE	0.250		1	4	NR	NR	NR	5
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		5	3	NR	NR	NR	8
HIST UST	0.250		3	9	NR	NR	NR	12
CERS TANKS	0.250		0	2	NR	NR	NR	2
CA FID UST	0.250		2	0	NR	NR	NR	2
Local Land Records								
LIENS	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LIENS 2	0.001		0	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0
CHMIRS	0.001		1	NR	NR	NR	NR	1
LDS	0.001		0	NR	NR	NR	NR	0
MCS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		7	12	NR	NR	NR	19
FUDS	1.000		0	0	0	1	NR	1
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.001		1	NR	NR	NR	NR	1
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		0	1	0	NR	NR	1
CUPA Listings	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
DRYCLEANERS	0.250		1	0	NR	NR	NR	1
EMI	0.001		0	NR	NR	NR	NR	0
ENF	0.001		0	NR	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
HAZNET	0.001		0	NR	NR	NR	NR	0
ICE	0.001		0	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	2	1	NR	NR	3
LOS ANGELES CO. HMS	0.001		0	NR	NR	NR	NR	0
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
PEST LIC	0.001		0	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
LA Co. Site Mitigation	0.001	1	0	NR	NR	NR	NR	1
UIC	0.001		0	NR	NR	NR	NR	0
UIC GEO	0.001		0	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	0.001		1	NR	NR	NR	NR	1
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	0.001		0	NR	NR	NR	NR	0
PROJECT	0.001		0	NR	NR	NR	NR	0
WDR	0.001		0	NR	NR	NR	NR	0
CIWQS	0.001		0	NR	NR	NR	NR	0
CERS	0.001		1	NR	NR	NR	NR	1
NON-CASE INFO	0.001		0	NR	NR	NR	NR	0
OTHER OIL GAS	0.001		0	NR	NR	NR	NR	0
PROD WATER PONDS	0.001		0	NR	NR	NR	NR	0
SAMPLING POINT	0.001		0	NR	NR	NR	NR	0
WELL STIM PROJ	0.001		0	NR	NR	NR	NR	0
LOS ANGELES CO LF METHANE	0.500		0	0	0	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		4	NR	NR	NR	NR	4
EDR Hist Cleaner	0.125		1	NR	NR	NR	NR	1
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		1	31	45	8	3	0	88

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 **DERBY RESTAURANT** **LA Co. Site Mitigation** **S118565160**
Target **233 E HUNTINGTON DR** **N/A**
Property **ARCADIA, CA 91006**

Site 1 of 13 in cluster A

Actual: **483 ft.**

LA Co. Site Mitigation:

Name:	DERBY RESTAURANT
Address:	233 E HUNTINGTON DR
City,State,Zip:	ARCADIA, CA 91006
Facility ID:	Not reported
Status:	Not reported
Site ID:	SD0010179
Jurisdiction:	Not reported
Case ID:	RO0000394
Abated:	Yes
Assigned To:	TK
Entered Date:	Not reported
Abated Date:	01/01/1989

A2 **SANTA ANITA PARK** **CHMIRS** **S100277901**
285 HUNTINGTON DRIVE **WDS** **N/A**
< 1/8 **ARCADIA, CA 91066**
0.000 mi.
2 ft. **Site 2 of 13 in cluster A**

Relative: **Lower**

Actual: **481 ft.**

CHMIRS:

Name:	Not reported
Address:	285 HUNTINGTON DRIVE
City,State,Zip:	ARCADIA, CA 91006
OES Incident Number:	118130
OES notification:	Not reported
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**22-JUL-91**
Property Use:	Not reported
Agency Id Number:	19010
Agency Incident Number:	53766
Time Notified:	445
Time Completed:	642
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	N
Resp Agncy Personel # Of Decontaminated:	0
Responding Agency Personel # Of Injuries:	0
Responding Agency Personel # Of Fatalities:	0
Others Number Of Decontaminated:	0
Others Number Of Injuries:	0
Others Number Of Fatalities:	0
Vehicle Make/year:	1968 KENWORTH
Vehicle License Number:	IZ49367
Vehicle State:	CA
Vehicle Id Number:	205212
CA DOT PUC/ICC Number:	Not reported
Company Name:	CARGILL ORSE TRANSPORT
Reporting Officer Name/ID:	CAPT. MARSTON AFD E32A
Report Date:	22-JUL-91
Facility Telephone:	818 574-5100
Waterway Involved:	Not reported

SANTA ANITA PARK (Continued) **S100277901**

Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Not reported
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	88-92
Agency:	Not reported
Incident Date:	22-JUL-91
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Not reported
Site Type:	Not reported
E Date:	21-JUL-92
Substance:	Not reported
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Y
Description:	Not reported

WDS:

Name:	SANTA ANITA PARK
Address:	285 HUNTINGTON DRIVE
City:	ARCADIA
Facility ID:	4 19I011487
Facility Type:	Not reported
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	4
Facility Telephone:	Not reported
Facility Contact:	Not reported
Agency Name:	LOS ANGELES TURF CLUB INC
Agency Address:	Not reported
Agency City,St,Zip:	0
Agency Contact:	Not reported
Agency Telephone:	Not reported
Agency Type:	Not reported
SIC Code:	0
SIC Code 2:	Not reported

SANTA ANITA PARK (Continued) **S100277901**

Primary Waste Type:	Not reported
Primary Waste:	Not reported
Waste Type2:	Not reported
Waste2:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	Not reported
POTW:	Not reported
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

A3 **LA TURF CLUB INCNA SANTA ANITA** **FINDS** **1023221527**
285 HUNTINGTON DR W **N/A**
< 1/8 **ARCADIA, CA 91006**
0.000 mi.
2 ft. **Site 3 of 13 in cluster A**

Relative: **Lower**

Actual: **481 ft.**

FINDS:

Registry ID: 110065079140

Environmental Interest/Information System
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

A4 **SANTA ANITA PARK** **CERS** **S123502032**
285 HUNTINGTON **N/A**
< 1/8 **ARCADIA, CA 91006**
0.000 mi.
2 ft. **Site 4 of 13 in cluster A**

Relative: **Lower**

Actual: **481 ft.**

CERS:

Name:	SANTA ANITA PARK
Address:	285 HUNTINGTON
City,State,Zip:	ARCADIA, CA 91006
Site ID:	150879
CERS ID:	260315
CERS Description:	Animal Wastewater Discharge

Violations:
Site ID: 150879

SANTA ANITA PARK (Continued) **S123502032**

Site Name:	Santa Anita Park
Violation Date:	06-23-2011
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	1Q11 Reporting 03/31/2011: Flow, Temperature not reported OPDE
Violation Division:	Water Boards
Violation Program:	ANIWSTOTH
Violation Source:	CIWQS
Site ID:	150879
Site Name:	Santa Anita Park
Violation Date:	05-11-2009
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	1Q09 Report deficiency - Outfall 009) (2/6/09): Flow not reported OPDE.
Violation Division:	Water Boards
Violation Program:	ANIWSTOTH
Violation Source:	CIWQS
Site ID:	150879
Site Name:	Santa Anita Park
Violation Date:	10-23-2009
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	4Q01 Reporting N-OF, N-10, N-15, N-27, N-34, N-36, S-OF 12/31/01: Temp not reported OPDE.
Violation Division:	Water Boards
Violation Program:	NPDESWW
Violation Source:	CIWQS
Site ID:	150879
Site Name:	Santa Anita Park
Violation Date:	06-07-2012
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Report Received on 05/04/12, 3 days past due date of 05/01/12
Violation Division:	Water Boards
Violation Program:	ANIWSTOTH
Violation Source:	CIWQS
Site ID:	150879
Site Name:	Santa Anita Park
Violation Date:	09-09-1999
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Discharge of non-stormwater wastes to Arcadia Wash which is tributary to Los Angeles River.
Violation Division:	Water Boards
Violation Program:	NPDESWW
Violation Source:	CIWQS
Site ID:	150879
Site Name:	Santa Anita Park
Violation Date:	10-23-2009
Citation:	California Water Code
Violation Description:	Not reported

SANTA ANITA PARK (Continued) **S123502032**

Violation Notes: 1Q01 Reporting N-OF, N-10, N-15, N-27, N-34, N-36, S-OF 1/24/01: Temp not reported OPDE.
Violation Division: Water Boards
Violation Program: NPDESWW
Violation Source: CIWQS

Site ID: 150879
Site Name: Santa Anita Park
Violation Date: 10-15-1999
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Discharger is unable to comply with NPDES permit limitations and requirements conained Order No. 99-109.
Violation Division: Water Boards
Violation Program: NPDESWW
Violation Source: CIWQS

Site ID: 150879
Site Name: Santa Anita Park
Violation Date: 06-08-2015
Citation: California Water Code
Violation Description: Not reported
Violation Notes: All OPDE parameters not sampled
Violation Division: Water Boards
Violation Program: ANIWSTOTH
Violation Source: CIWQS

Site ID: 150879
Site Name: Santa Anita Park
Violation Date: 03-10-2011
Citation: California Water Code
Violation Description: Not reported
Violation Notes: 4Q10 Reporting 12/31/2010: Perjury Statement not included
Violation Division: Water Boards
Violation Program: ANIWSTOTH
Violation Source: CIWQS

Site ID: 150879
Site Name: Santa Anita Park
Violation Date: 08-24-2001
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Discharger failed to submit the required monitoring information, including the results of sampling and analysis for numerous discharges of non-stormwater wastes to Arcadia Wash occurred during 2000.
Violation Division: Water Boards
Violation Program: NPDESWW
Violation Source: CIWQS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-03-2016
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: ANIWSTOTH

SANTA ANITA PARK (Continued) **S123502032**

Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-22-2013
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: ANIWSTOTH
Eval Source: CIWQS

Eval General Type: Initial Site Inspection
Eval Date: 06-15-2005
Violations Found: No
Eval Type: Prerequirement inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: ANIWSTOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-25-2018
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: ANIWSTOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-30-2001
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: ANIWSTOTH
Eval Source: CIWQS

Enforcement Action:
Site ID: 150879
Site Name: Santa Anita Park
Site Address: 285 HUNTINGTON
Site City: ARCADIA
Site Zip: 91006
Enf Action Date: 03-28-2000
Enf Action Type: Administrative Enforcement with Penality
Enf Action Description: Administrative Enforcement with Civil Liability (Penality)
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: ANIWSTOTH
Enf Action Source: CIWQS

Site ID: 150879
Site Name: Santa Anita Park
Site Address: 285 HUNTINGTON
Site City: ARCADIA
Site Zip: 91006

SANTA ANITA PARK (Continued) **S123502032**

Enf Action Date: 05-31-2019
Enf Action Type: Administrative Enforcement with Penality
Enf Action Description: Administrative Enforcement with Civil Liability (Penality)
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: ANIWSTOTH
Enf Action Source: CIWQS

Site ID: 150879
Site Name: Santa Anita Park
Site Address: 285 HUNTINGTON
Site City: ARCADIA
Site Zip: 91006
Enf Action Date: 08-24-2001
Enf Action Type: Enforcement Letter (Formal)
Enf Action Description: Enforcement Letter Citing Violations and with Required Actions (Formal)
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: ANIWSTOTH
Enf Action Source: CIWQS

Site ID: 150879
Site Name: Santa Anita Park
Site Address: 285 HUNTINGTON
Site City: ARCADIA
Site Zip: 91006
Enf Action Date: 09-10-1999
Enf Action Type: Clean-up and Abatement Order
Enf Action Description: Clean-up and Abatement Order
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: ANIWSTOTH
Enf Action Source: CIWQS

Site ID: 150879
Site Name: Santa Anita Park
Site Address: 285 HUNTINGTON
Site City: ARCADIA
Site Zip: 91006
Enf Action Date: 09-24-1999
Enf Action Type: Enforcement Letter (Formal)
Enf Action Description: Enforcement Letter Citing Violations and with Required Actions (Formal)
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: ANIWSTOTH
Enf Action Source: CIWQS

Site ID: 150879
Site Name: Santa Anita Park
Site Address: 285 HUNTINGTON
Site City: ARCADIA
Site Zip: 91006
Enf Action Date: 10-07-1999
Enf Action Type: Enforcement Letter (Formal)
Enf Action Description: Enforcement Letter Citing Violations and with Required Actions

SANTA ANITA PARK (Continued) **S123502032**

(Formal)
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: ANIWSTOTH
Enf Action Source: CIWQS

Site ID: 150879
Site Name: Santa Anita Park
Site Address: 285 HUNTINGTON
Site City: ARCADIA
Site Zip: 91006
Enf Action Date: 10-26-1999
Enf Action Type: Administrative Enforcement with Penality
Enf Action Description: Administrative Enforcement with Civil Liability (Penality)
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: ANIWSTOTH
Enf Action Source: CIWQS

Site ID: 150879
Site Name: Santa Anita Park
Site Address: 285 HUNTINGTON
Site City: ARCADIA
Site Zip: 91006
Enf Action Date: 10-28-1999
Enf Action Type: Cease and Desist Order
Enf Action Description: Cease and Desist Order
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: ANIWSTOTH
Enf Action Source: CIWQS

Coordinates:
Site ID: 150879
Facility Name: Santa Anita Park
Env Int Type Code: CIWQS_CAFO
Program ID: 260315
Coord Name: 014
Ref Point Type Desc: Monitoring Point
Latitude: 34.139444
Longitude: -118.047500

Site ID: 150879
Facility Name: Santa Anita Park
Env Int Type Code: CIWQS_CAFO
Program ID: 260315
Coord Name: 002
Ref Point Type Desc: Monitoring Point
Latitude: 34.140000
Longitude: -118.048333

Site ID: 150879
Facility Name: Santa Anita Park
Env Int Type Code: CIWQS_CAFO
Program ID: 260315
Coord Name: 003
Ref Point Type Desc: Monitoring Point

SANTA ANITA PARK (Continued) **S123502032**

Latitude: 34.140000
Longitude: -118.048333

Site ID: 150879
Facility Name: Santa Anita Park
Env Int Type Code: CIWQS_CAFO
Program ID: 260315
Coord Name: 013
Ref Point Type Desc: Monitoring Point
Latitude: 34.136111
Longitude: -118.043611

Site ID: 150879
Facility Name: Santa Anita Park
Env Int Type Code: CIWQS_CAFO
Program ID: 260315
Coord Name: 006
Ref Point Type Desc: Monitoring Point
Latitude: 34.138611
Longitude: -118.046389

Site ID: 150879
Facility Name: Santa Anita Park
Env Int Type Code: CIWQS_CAFO
Program ID: 260315
Coord Name: 011
Ref Point Type Desc: Monitoring Point
Latitude: 34.136667
Longitude: -118.043889

Site ID: 150879
Facility Name: Santa Anita Park
Env Int Type Code: CIWQS_CAFO
Program ID: 260315
Coord Name: 007
Ref Point Type Desc: Monitoring Point
Latitude: 34.138056
Longitude: -118.046111

Site ID: 150879
Facility Name: Santa Anita Park
Env Int Type Code: CIWQS_CAFO
Program ID: 260315
Coord Name: 005
Ref Point Type Desc: Monitoring Point
Latitude: 34.138611
Longitude: -118.046389

Site ID: 150879
Facility Name: Santa Anita Park
Env Int Type Code: CIWQS_CAFO
Program ID: 260315
Coord Name: 004
Ref Point Type Desc: Monitoring Point
Latitude: 34.139167
Longitude: -118.047500

SANTA ANITA PARK (Continued) **S123502032**

Site ID: 150879
Facility Name: Santa Anita Park
Env Int Type Code: CIWQS_CAFO
Program ID: 260315
Coord Name: 015
Ref Point Type Desc: Monitoring Point
Latitude: 34.139167
Longitude: -118.047500

Site ID: 150879
Facility Name: Santa Anita Park
Env Int Type Code: CIWQS_CAFO
Program ID: 260315
Coord Name: Not reported
Ref Point Type Desc: Unknown
Latitude: 34.141670
Longitude: -118.048610

Site ID: 150879
Facility Name: Santa Anita Park
Env Int Type Code: CIWQS_CAFO
Program ID: 260315
Coord Name: 012
Ref Point Type Desc: Monitoring Point
Latitude: 34.136667
Longitude: -118.043889

Site ID: 150879
Facility Name: Santa Anita Park
Env Int Type Code: CIWQS_CAFO
Program ID: 260315
Coord Name: 009
Ref Point Type Desc: Monitoring Point
Latitude: 34.136944
Longitude: -118.044444

Site ID: 150879
Facility Name: Santa Anita Park
Env Int Type Code: CIWQS_CAFO
Program ID: 260315
Coord Name: 010
Ref Point Type Desc: Monitoring Point
Latitude: 34.136944
Longitude: -118.044444

Site ID: 150879
Facility Name: Santa Anita Park
Env Int Type Code: CIWQS_CAFO
Program ID: 260315
Coord Name: 008
Ref Point Type Desc: Monitoring Point
Latitude: 34.138056
Longitude: -118.046111

A5 **CITY OF ARCADIA REDEVELOPMENT** **SWEEPS UST** **S106671204**
SE **313 E HUNTINGTON DR** **LOS ANGELES CO. HMS** **N/A**
< 1/8 **ARCADIA, CA 91006**
0.009 mi.
49 ft. **Site 5 of 13 in cluster A**

Relative:
Lower

Actual:
480 ft.

SWEEPS UST:

Name:	CITY OF ARCADIA REDEVELOPMENT
Address:	313 E HUNTINGTON DR
City:	ARCADIA
Status:	Active
Comp Number:	13998
Number:	9
Board Of Equalization:	Not reported
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

LOS ANGELES CO. HMS:

Name:	CITY OF ARCADIA REDEVELOPMENT
Address:	313 E HUNTINGTON DR
City,State,Zip:	ARCADIA, CA 91006
Region:	LA
Permit Category:	T
Facility Id:	013602-013998
Facility Type:	1
Facility Status:	Removed
Area:	3N
Permit Number:	000136055
Permit Status:	Removed

A6 **CITY OF ARCADIA REDEVELOPMENT** **SWEEPS UST** **S104537292**
NNE **311 E HUNTINGTON DR** **LOS ANGELES CO. HMS** **N/A**
< 1/8 **ARCADIA, CA 91006**
0.012 mi.
64 ft. **Site 6 of 13 in cluster A**

Relative:
Higher

Actual:
486 ft.

SWEEPS UST:

Name:	CITY OF ARCADIA REDEVELOPMENT
Address:	311 E HUNTINGTON DR
City:	ARCADIA
Status:	Active
Comp Number:	14248
Number:	9
Board Of Equalization:	Not reported
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported

CITY OF ARCADIA REDEVELOPMENT (Continued) **S104537292**

Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

LOS ANGELES CO. HMS:
Name: CITY OF ARCADIA REDEVELOPMENT
Address: 311 E HUNTINGTON DR
City,State,Zip: ARCADIA, CA 91006
Region: LA
Permit Category: T
Facility Id: 013809-014248
Facility Type: 1
Facility Status: Removed
Area: 3N
Permit Number: 000136052
Permit Status: Removed

A7 **CITY OF ARCADIA** **LUST** **S101583559**
South **250 HUNTINGTON DR W** **SWEEPS UST** **N/A**
< 1/8 **ARCADIA, CA 91006** **HIST UST**
0.015 mi. **CA FID UST**
78 ft. **Site 7 of 13 in cluster A** **LOS ANGELES CO. HMS**
CERS

Relative:
Lower

Actual:
480 ft.

LUST:
Name: CITY OF ARCADIA
Address: 250 HUNTINGTON DR W
City,State,Zip: ARCADIA, CA 91006
Lead Agency: LOS ANGELES COUNTY
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603793084
Global Id: T0603793084
Latitude: 34.136359
Longitude: -118.039833
Status: Completed - Case Closed
Status Date: 01/31/2002
Case Worker: JOA
RB Case Number: R-10517
Local Agency: LOS ANGELES COUNTY
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Aviation
Site History: Not reported

LUST:
Global Id: T0603793084
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: jawujo@dpw.lacounty.gov
Phone Number: 6264583507

CITY OF ARCADIA (Continued) **S101583559**

Global Id: T0603793084
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603793084
Action Type: Other
Date: 01/14/1999
Action: Leak Discovery

Global Id: T0603793084
Action Type: Other
Date: 08/28/2000
Action: Leak Reported

Global Id: T0603793084
Action Type: ENFORCEMENT
Date: 01/31/2002
Action: Closure/No Further Action Letter

LUST:
Global Id: T0603793084
Status: Open - Case Begin Date
Status Date: 01/14/1999

Global Id: T0603793084
Status: Open - Site Assessment
Status Date: 01/14/1999

Global Id: T0603793084
Status: Completed - Case Closed
Status Date: 01/31/2002

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: R-10517
Status: Leak being confirmed
Substance: 1
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: OT
Global ID: T0603793084
W Global ID: Not reported
Staff: UNK
Local Agency: 19000
Cross Street: CIVIC CENTER
Enforcement Type: Not reported

CITY OF ARCADIA (Continued) **S101583559**

Date Leak Discovered:	1/14/1999	
Date Leak First Reported:		8/28/2000
Date Leak Record Entered:	Not reported	
Date Confirmation Began:	1/14/1999	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		8/28/2000
Date the Case was Closed:		Not reported
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	Not reported	
Leak Source:	Tank	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		2100.985311547314945395088 1402
Source of Cleanup Funding:		Tank
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	CITY OF ARCADIA	
RP Address:	240 W. HUNTINGTON DR., ARCADIA, CA 91006	
Program:	LUST	
Lat/Long:	34.131219 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	Not reported	

SWEEPS UST:

Name:	CITY OF ARCADIA
Address:	250 W HUNTINGTON DR
City:	ARCADIA
Status:	Active
Comp Number:	10517
Number:	9
Board Of Equalization:	44-008816
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-010517-000001
Tank Status:	A

CITY OF ARCADIA (Continued) **S101583559**

Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 3

Name: CITY OF ARCADIA
Address: 250 W HUNTINGTON DR
City: ARCADIA
Status: Active
Comp Number: 10517
Number: 9
Board Of Equalization: 44-008816
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010517-000002
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: CITY OF ARCADIA
Address: 250 W HUNTINGTON DR
City: ARCADIA
Status: Active
Comp Number: 10517
Number: 9
Board Of Equalization: 44-008816
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010517-000003
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

HIST UST:
Name: ARCADIA POLICE DEPARTMENT
Address: 250 W HUNTINGTON DRIVE
City,State,Zip: ARCADIA, CA 91006
File Number: 00026F8C
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00026F8C.pdf
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported

CITY OF ARCADIA (Continued) **S101583559**

Contact Name:	Not reported
Telephone:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Total Tanks:	Not reported
Tank Num:	Not reported
Container Num:	Not reported
Year Installed:	Not reported
Tank Capacity:	Not reported
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported

Click here for Geo Tracker PDF:

CA FID UST:

Facility ID:	19004458
Regulated By:	UTNKA
Regulated ID:	00034049
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	8180000000
Mail To:	Not reported
Mailing Address:	240 W HUNTINGTON DR
Mailing Address 2:	Not reported
Mailing City,St,Zip:	ARCADIA
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

LOS ANGELES CO. HMS:

Name:	CITY OF ARCADIA
Address:	250 W HUNTINGTON DR
City,State,Zip:	ARCADIA, CA 910073401
Region:	LA
Permit Category:	T
Facility Id:	010580-010517
Facility Type:	0
Facility Status:	Removed
Area:	3N
Permit Number:	00001982T
Permit Status:	Removed

CERS:

Name:	CITY OF ARCADIA
Address:	250 HUNTINGTON DR W
City,State,Zip:	ARCADIA, CA 91006
Site ID:	255903
CERS ID:	T0603793084

CITY OF ARCADIA (Continued) **S101583559**

CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4TH ST., SUITE 200
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Local Agency Caseworker
Entity Name: JOHN AWUJO - LOS ANGELES COUNTY
Entity Title: Not reported
Affiliation Address: 900 S FREMONT AVE
Affiliation City: ALHAMBRA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 6264583507

A8 **METHODIST HOSPITAL OF SO CAL** **RCRA-SQG** **1000243319**
SSE **300 HUNTINGTON DR** **CAD981451685**
< 1/8 **ARCADIA, CA 91006**
0.015 mi.
78 ft. **Site 8 of 13 in cluster A**

Relative:
Lower

Actual:
480 ft.

RCRA-SQG:
Date form received by agency: 09/01/1996
Facility name: METHODIST HOSPITAL OF SO CAL
Facility address: 300 HUNTINGTON DR
ARCADIA, CA 91006
EPA ID: CAD981451685
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: METHODIST HOSPITAL OF SO CAL
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported

METHODIST HOSPITAL OF SO CAL (Continued) **1000243319**

Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 03/10/1986
Site name: METHODIST HOSPITAL OF SO CAL
Classification: Large Quantity Generator

Violation Status: No violations found

A9 **LESLIE'S POOL SUPPLIES** **RCRA NonGen / NLR** **1024751586**
SSE **324 E HUNTINGTON DR, STE.B-4** **CAC002971379**
< 1/8 **ARCADIA, CA 91006**
0.015 mi.
79 ft. **Site 9 of 13 in cluster A**

Relative:
Lower

Actual:
479 ft.

RCRA NonGen / NLR:
Date form received by agency: 07/18/2018
Facility name: LESLIE'S POOL SUPPLIES
Facility address: 324 E HUNTINGTON DR, STE.B-4
ARCADIA, CA 91006
EPA ID: CAC002971379
Mailing address: 2005 E. INDIAN SCHOOL RD.
PHOENIX, AZ 85016
Contact: MIKE JENNINGS

LESLIE'S POOL SUPPLIES (Continued) **1024751586**

Contact address: 2005 E. INDIAN SCHOOL RD.
PHOENIX, AZ 85016
Contact country: Not reported
Contact telephone: 602-366-3946
Contact email: KVERNON@EMIOK.COM
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: MIKE JENNINGS
Owner/operator address: 2005 E. INDIAN SCHOOL RD.
PHOENIX, AZ 85016
Owner/operator country: Not reported
Owner/operator telephone: 602-366-3946
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: MIKE JENNINGS
Owner/operator address: 2005 E. INDIAN SCHOOL RD.
PHOENIX, AZ 85016
Owner/operator country: Not reported
Owner/operator telephone: 602-366-3946
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

A10
SSE
< 1/8
0.015 mi.
80 ft.

COSMOPROF BEAUTY
332 E HUNTINGTON DR # B2
ARCADIA, CA 91006

Site 10 of 13 in cluster A

RCRA NonGen / NLR **1024852834**
CAL000412125

Relative:
Lower

Actual:
479 ft.

RCRA NonGen / NLR:

Date form received by agency:	11/04/2015
Facility name:	COSMOPROF BEAUTY
Facility address:	332 E HUNTINGTON DR # B2 ARCADIA, CA 91006-3746
EPA ID:	CAL000412125
Contact:	RANDY GOSS
Contact address:	3001 COLORADO BLVD DENTON, TX 76210
Contact country:	Not reported
Contact telephone:	940-898-7500
Contact email:	RGOSS@SALLYBEAUTY.COM
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	RANDY GOSS
Owner/operator address:	3001 COLORADO BLVD DENTON, TX 76210
Owner/operator country:	Not reported
Owner/operator telephone:	940-898-7500
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	SALLY BEAUTY HOLDING LLC
Owner/operator address:	3001 COLORADO BLVD DENTON, TX 76210
Owner/operator country:	Not reported
Owner/operator telephone:	940-898-7500
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	Yes
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No

COSMOPROF BEAUTY (Continued) **1024852834**

Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

A11 **COSMOPROF SUPPLY** **CERS HAZ WASTE** **S121020010**
SSE **332 E HUNTINGTON DR # B2** **HAZNET** **N/A**
< 1/8 **ARCADIA, CA 91006**
0.015 mi.
80 ft. **Site 11 of 13 in cluster A**

Relative:
Lower

Actual:
479 ft.

CERS HAZ WASTE:
Name: COSMOPROF SUPPLY
Address: 332 E HUNTINGTON DR # B2
City,State,Zip: ARCADIA, CA 91006
Site ID: 366879
CERS ID: 10666324
CERS Description: Hazardous Waste Generator

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-02-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Natalia Hernandez
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Affiliation:
Affiliation Type Desc: Legal Owner
Entity Name: Sally Beauty Holding LLC
Entity Title: Not reported
Affiliation Address: 3001 COLORADO BLVD
Affiliation City: DENTON
Affiliation State: TX
Affiliation Country: United States
Affiliation Zip: 76210
Affiliation Phone: (940) 898-7500

Affiliation Type Desc: Parent Corporation
Entity Name: Sally Beauty Holding LLC
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: CUPA District
Entity Name: Los Angeles County Fire
Entity Title: Not reported
Affiliation Address: 5825 Rickenbacker Road

COSMOPROF SUPPLY (Continued) **S121020010**

Affiliation City:	Commerce
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90040-3027
Affiliation Phone:	(323) 890-4045
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	332 E HUNTINGTON DR #B2
Affiliation City:	ARCADIA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91006
Affiliation Phone:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	Randy Goss
Entity Title:	Not reported
Affiliation Address:	3001 COLORADO BLVD
Affiliation City:	DENTON
Affiliation State:	TX
Affiliation Country:	Not reported
Affiliation Zip:	76210
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Larry Burton
Entity Title:	Director, Temarry Recycling, Inc
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	Sally Beauty Holding LLC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(940) 898-7500
Affiliation Type Desc:	Property Owner
Entity Name:	Sally Beauty Holding LLC
Entity Title:	Not reported
Affiliation Address:	332 E Huntington Dr # B2
Affiliation City:	Arcadia
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91006
Affiliation Phone:	(626) 254-9439
Affiliation Type Desc:	Document Preparer

COSMOPROF SUPPLY (Continued) **S121020010**

Entity Name:	Larry Burton
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

HAZNET:

Name:	COSMOPROF BEAUTY
Address:	332 E HUNTINGTON DR # B2
City,State,Zip:	ARCADIA, CA 910063746
Year:	2017
GEPAID:	CAL000412125
Contact:	RANDY GOSS
Telephone:	9408987500
Mailing Name:	Not reported
Mailing Address:	332 E HUNTINGTON DR # B2
Mailing City,St,Zip:	ARCADIA, CA 910063746
Gen County:	Los Angeles
TSD EPA ID:	MXC130619001
TSD County:	Not reported
Tons:	0.006
CA Waste Code:	352-Other organic solids
Method:	H050-Energy Recovery At This Site--Use As Fuel(Includes On-Site Fuel Blending)
Facility County:	Los Angeles

Name:	COSMOPROF BEAUTY
Address:	332 E HUNTINGTON DR # B2
City,State,Zip:	ARCADIA, CA 910063746
Year:	2017
GEPAID:	CAL000412125
Contact:	RANDY GOSS
Telephone:	9408987500
Mailing Name:	Not reported
Mailing Address:	332 E HUNTINGTON DR # B2
Mailing City,St,Zip:	ARCADIA, CA 910063746
Gen County:	Los Angeles
TSD EPA ID:	MXC130619001
TSD County:	Not reported
Tons:	0.075
CA Waste Code:	561-Detergent waste chemicals
Method:	H039-Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Facility County:	Los Angeles

Name:	COSMOPROF BEAUTY
Address:	332 E HUNTINGTON DR # B2
City,State,Zip:	ARCADIA, CA 910063746
Year:	2017
GEPAID:	CAL000412125
Contact:	RANDY GOSS
Telephone:	9408987500
Mailing Name:	Not reported

COSMOPROF SUPPLY (Continued) **S121020010**

Mailing Address: 332 E HUNTINGTON DR # B2
Mailing City,St,Zip: ARCADIA, CA 910063746
Gen County: Los Angeles
TSD EPA ID: MXC130619001
TSD County: Not reported
Tons: 0.044
CA Waste Code: 331-Off-specification, aged or surplus organics
Method: H020-Solvents Recovery
Facility County: Los Angeles

Name: COSMOPROF BEAUTY
Address: 332 E HUNTINGTON DR # B2
City,State,Zip: ARCADIA, CA 910063746
Year: 2016
GEPAID: CAL000412125
Contact: DAVID EPSTEIN
Telephone: 8566928100
Mailing Name: Not reported
Mailing Address: 1920 HACIENDA DR
Mailing City,St,Zip: VISTA, CA 92083
Gen County: Los Angeles
TSD EPA ID: MXC130619001
TSD County: Not reported
Tons: 0.0205
CA Waste Code: 561-Detergent waste chemicals
Method: H123-Settling Or Clarification
Facility County: Los Angeles

Name: COSMOPROF BEAUTY
Address: 332 E HUNTINGTON DR # B2
City,State,Zip: ARCADIA, CA 910063746
Year: 2016
GEPAID: CAL000412125
Contact: DAVID EPSTEIN
Telephone: 8566928100
Mailing Name: Not reported
Mailing Address: 1920 HACIENDA DR
Mailing City,St,Zip: VISTA, CA 92083
Gen County: Los Angeles
TSD EPA ID: MXC130619001
TSD County: Not reported
Tons: 0.039
CA Waste Code: 331-Off-specification, aged or surplus organics
Method: H020-Solvents Recovery
Facility County: Los Angeles

Click this hyperlink while viewing on your computer to access additional CA_HAZNET: detail in the EDR Site Report.

A12 **LOMBARDO AUTOMOTIVE SERVICE** **EDR Hist Auto** **1008995131**
SSE **334 E HUNTINGTON** **N/A**
< 1/8 **ARCADIA, CA 91006**
0.015 mi.
80 ft. **Site 12 of 13 in cluster A**

Relative: EDR Hist Auto
Lower

Actual:
479 ft.

Year:	Name:	Type:
1965	LOMBARDO AUTOMOTIVE SERVICE	Not reported

A13 **LOWELL & STOUT UNION SERVICE** **EDR Hist Auto** **1008994457**
ESE **301 E HUNTINGTON DR** **N/A**
< 1/8 **ARCADIA, CA 91006**
0.016 mi.
87 ft. **Site 13 of 13 in cluster A**

Relative: EDR Hist Auto
Higher

Actual:
483 ft.

Year:	Name:	Type:
1958	LOWELL & STOUT UNION SERVICE	Not reported
1958	LOWELL & STOUT UNION SERVICE	Not reported
1958	LOWELL & STOUT UNION SERVICE	Not reported
1962	ROYAL UNION SERVICE	Not reported
1962	ROYAL UNION SERVICE	Not reported

B14 **DENTAL CENTER OF ARCADIA** **RCRA NonGen / NLR** **1024810305**
ESE **440 E HUNTINGTON DR STE 101** **CAL000288993**
< 1/8 **ARCADIA, CA 91006**
0.074 mi.
391 ft. **Site 1 of 3 in cluster B**

Relative: RCRA NonGen / NLR:
Lower

Actual:
475 ft.

Date form received by agency:	12/13/2004
Facility name:	DENTAL CENTER OF ARCADIA
Facility address:	440 E HUNTINGTON DR STE 101 ARCADIA, CA 91006-0000
EPA ID:	CAL000288993
Mailing address:	12121 WILSHIRE BLVD #1111 LOS ANGELES, CA 90025-0000
Contact:	MIGUEL REYES
Contact address:	12121 WILSHIRE BLVD STE 1111 LOS ANGELES, CA 90025
Contact country:	Not reported
Contact telephone:	310-820-9933
Contact email:	MREYES@WESTCOASTDENTAL.COM
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	F. MANAVI DDS, INC.
Owner/operator address:	F. MANAVI DDS, INC. ARCADIA, CA 90025
Owner/operator country:	Not reported
Owner/operator telephone:	626-447-5126
Owner/operator email:	Not reported
Owner/operator fax:	Not reported

DENTAL CENTER OF ARCADIA (Continued) **1024810305**

Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: MIGUEL REYES
Owner/operator address: 12121 WILSHIRE BLVD STE 1111
LOS ANGELES, CA 90025
Owner/operator country: Not reported
Owner/operator telephone: 310-820-9933
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

C15 **CITY OF ARCADIA** **SWEEPS UST** **S101585703**
North **301 E SANTA CLARA ST** **CA FID UST** **N/A**
< 1/8 **ARCADIA, CA 91006** **LOS ANGELES CO. HMS**
0.082 mi. **LA Co. Site Mitigation**
435 ft. **Site 1 of 4 in cluster C**

Relative:
Higher

Actual:
487 ft.

SWEEPS UST:
Name: CITY OF ARCADIA
Address: 301 E SANTA CLARA ST
City: ARCADIA
Status: Active
Comp Number: 12963
Number: 9
Board Of Equalization: Not reported
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported

CITY OF ARCADIA (Continued) **S101585703**

Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

CA FID UST:
Facility ID: 19027760
Regulated By: UTNKA
Regulated ID: 00005451
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 8180000000
Mail To: Not reported
Mailing Address: 301 E SANTA CLARA ST
Mailing Address 2: Not reported
Mailing City,St,Zip: ARCADIA
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

LOS ANGELES CO. HMS:
Name: CITY OF ARCADIA
Address: 301 E SANTA CLARA ST
City,State,Zip: ARCADIA, CA 91006
Region: LA
Permit Category: Not reported
Facility Id: 012768-012963
Facility Type: Not reported
Facility Status: Removed
Area: 3N
Permit Number: Not reported
Permit Status: Not reported

LA Co. Site Mitigation:
Name: KIEWIT CONSTRUCTION GROUP
Address: 301 E SANTA CLARA ST
City,State,Zip: ARCADIA, CA 91006
Facility ID: Not reported
Status: Not reported
Site ID: SD0010249
Jurisdiction: Not reported
Case ID: RO0000457
Abated: Yes
Assigned To: Shahin Nourishad
Entered Date: Not reported
Abated Date: 07/10/1988

Name: CITY OF ARCADIA / BONG PROP.
Address: 301 E SANTA CLARA ST
City,State,Zip: ARCADIA, CA 91006

CITY OF ARCADIA (Continued) **S101585703**

Facility ID: Not reported
Status: Not reported
Site ID: SD0010155
Jurisdiction: Not reported
Case ID: RO0000377
Abated: Yes
Assigned To: TK
Entered Date: Not reported
Abated Date: 07/01/1988

C16 **KIEWIT ARCADIA YARD** **RCRA NonGen / NLR** **1000455516**
North **301 E SANTA CLARA ST** **FINDS** **CAD089060149**
< 1/8 **ARCADIA, CA 91006** **ECHO**
0.082 mi.
435 ft. **Site 2 of 4 in cluster C**

Relative:
Higher

Actual:
487 ft.

RCRA NonGen / NLR:
Date form received by agency: 06/27/1990
Facility name: KIEWIT ARCADIA YARD
Facility address: 301 E SANTA CLARA ST
ARCADIA, CA 91006
EPA ID: CAD089060149
Mailing address: 1000 KIEWIT PLAZA
OMAHA, NE 68131
Contact: ENVIRONMENTAL MANAGER
Contact address: 301 E SANTA CLARA ST
ARCADIA, CA 91006
Contact country: US
Contact telephone: 402-342-2052
Contact email: Not reported
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: ARCADIA REDEVELOPMENT AGENCY
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private

KIEWIT ARCADIA YARD (Continued) **1000455516**

Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002662967

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000455516
Registry ID: 110002662967
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002662967

C17 **KIEWIT PACIFIC** **HIST UST** **U001566441**
North **301 E SANTA CLARA** **N/A**
< 1/8 **ARCADIA, CA 91006**
0.082 mi.
435 ft. **Site 3 of 4 in cluster C**

Relative:
Higher

Actual:
487 ft.

HIST UST:
Name: KIEWIT PACIFIC
Address: 301 E SANTA CLARA
City,State,Zip: ARCADIA, CA 91006
File Number: 00027352
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00027352.pdf
Region: STATE

KIEWIT PACIFIC (Continued) **U001566441**

Facility ID:	00000050624
Facility Type:	Other
Other Type:	CONSTRUCTION
Contact Name:	JERRY KOPP
Telephone:	8184453700
Owner Name:	KIEWIT PACIFIC
Owner Address:	301 E. SANTA CLARA
Owner City,St,Zip:	ARCADIA, CA 91006
Total Tanks:	0004
Tank Num:	001
Container Num:	#1
Year Installed:	1974
Tank Capacity:	00007000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Visual
Tank Num:	002
Container Num:	#2
Year Installed:	1974
Tank Capacity:	00007000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Visual
Tank Num:	003
Container Num:	#3
Year Installed:	1974
Tank Capacity:	00007000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Visual
Tank Num:	004
Container Num:	#4
Year Installed:	1981
Tank Capacity:	00012000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Visual

Click here for Geo Tracker PDF:

C18 **ARCADIA YARD** **HIST UST** **U001566428**
North **301 E SANTA CLARA ST** **N/A**
< 1/8 **ARCADIA, CA 91006**
0.082 mi.
435 ft. **Site 4 of 4 in cluster C**

Relative: **Higher**

Actual: **487 ft.**

HIST UST:

Name:	ARCADIA YARD
Address:	301 E SANTA CLARA ST
City,State,Zip:	ARCADIA, CA 91006
File Number:	00027354
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00027354.pdf
Region:	STATE
Facility ID:	00000005451
Facility Type:	Other
Other Type:	GAS&DIESEL STORAGE T
Contact Name:	JERRY KOPP
Telephone:	8184453700
Owner Name:	KIEWIT PACIFIC CO. (CORPORATIO
Owner Address:	301 E. SANTA CLARA ST
Owner City,St,Zip:	ARCADIA, CA 91006
Total Tanks:	0004
Tank Num:	001
Container Num:	1
Year Installed:	1979
Tank Capacity:	00007000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	3/8"
Leak Detection:	Visual
Tank Num:	002
Container Num:	2
Year Installed:	1979
Tank Capacity:	00007000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	3/8"?
Leak Detection:	Visual
Tank Num:	003
Container Num:	3
Year Installed:	1979
Tank Capacity:	00007000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	3/8"?
Leak Detection:	Visual
Tank Num:	004
Container Num:	4
Year Installed:	1979
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	3/8"?
Leak Detection:	Visual

ARCADIA YARD (Continued) **U001566428**

Click here for Geo Tracker PDF:

19
NNE
< 1/8
0.084 mi.
446 ft.

EXTENDED STAY **RCRA NonGen / NLR** **1024770567**
420 E SANTA CLARA ST **CAC002990472**
ARCADIA, CA 91006

Relative:
Higher

Actual:
484 ft.

RCRA NonGen / NLR:

Date form received by agency:	11/26/2018
Facility name:	EXTENDED STAY
Facility address:	420 E SANTA CLARA ST ARCADIA, CA 91006
EPA ID:	CAC002990472
Contact:	JAMES KETTON
Contact address:	420 E SANTA CLARA ST ARCADIA, CA 91006
Contact country:	Not reported
Contact telephone:	323-496-5299
Contact email:	ANGEL.BETANCOURT@SAFETY-KLEEN.COM
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	JAMES KETTON
Owner/operator address:	420 E SANTA CLARA ST ARCADIA, CA 91006
Owner/operator country:	Not reported
Owner/operator telephone:	323-496-5299
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	JAMES KETTON
Owner/operator address:	420 E SANTA CLARA ST ARCADIA, CA 91006
Owner/operator country:	Not reported
Owner/operator telephone:	323-496-5299
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No

EXTENDED STAY (Continued) **1024770567**

Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

D20 **CARL'S FLYING A SERVICE** **EDR Hist Auto** **1008994454**
WSW **159 E HUNTINGTON DR** **N/A**
< 1/8 **ARCADIA, CA 91006**
0.088 mi.
464 ft. **Site 1 of 2 in cluster D**

Relative: EDR Hist Auto
Higher

Actual:
483 ft.

Year:	Name:	Type:
1955	BERT'S ASSOCIATES SERVICE	Not reported
1958	HERN'S FLYING A SERVICE	Not reported
1959	E & E FLYING A SERVICE	Not reported
1960	E & E FLYING A SERVICE	Not reported
1962	KING'S FLYING A SERVICE	Not reported
1962	KING'S FLYING A SERVICE	Not reported
1964	CARL'S FLYING A SERVICE	Not reported

D21 **BEST GARAGE & SERVICE STATION** **EDR Hist Auto** **1008993835**
WSW **170 E HUNTINGTON DR** **N/A**
< 1/8 **ARCADIA, CA 91006**
0.091 mi.
483 ft. **Site 2 of 2 in cluster D**

Relative: EDR Hist Auto
Lower

Actual:
481 ft.

Year:	Name:	Type:
1955	BEST GARAGE & SERVICE STATION	Not reported
1959	G'S SERVICE & GARAGE	Not reported
1960	ARCADIA GENERAL TIRE	Not reported

B22 **ARCADIA DATSUN** **SWEEPS UST** **S102056118**
East **333 E HUNTINGTON DR** **LOS ANGELES CO. HMS** **N/A**
< 1/8 **ARCADIA, CA 91006**
0.105 mi.
557 ft. **Site 2 of 3 in cluster B**

Relative: SWEEPS UST:
Lower

Actual:
473 ft.

Name:	ARCADIA DATSUN
Address:	333 E HUNTINGTON DR
City:	ARCADIA
Status:	Not reported
Comp Number:	10562
Number:	Not reported

ARCADIA DATSUN (Continued) **S102056118**

Board Of Equalization: 44-008927
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010562-000001
Tank Status: Not reported
Capacity: 2000
Active Date: Not reported
Tank Use: OIL
STG: WASTE
Content: Not reported
Number Of Tanks: 2

Name: ARCADIA DATSUN
Address: 333 E HUNTINGTON DR
City: ARCADIA
Status: Not reported
Comp Number: 10562
Number: Not reported
Board Of Equalization: 44-008927
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010562-000002
Tank Status: Not reported
Capacity: 200
Active Date: Not reported
Tank Use: OIL
STG: WASTE
Content: Not reported
Number Of Tanks: Not reported

Name: ARCADIA DATSUN
Address: 333 E HUNTINGTON DR
City: ARCADIA
Status: Active
Comp Number: 10562
Number: 1
Board Of Equalization: 44-008927
Referral Date: 09-25-89
Action Date: 09-25-89
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010562-000003
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 1

LOS ANGELES CO. HMS:
Name: ARCADIA DATSUN
Address: 333 E HUNTINGTON DR

ARCADIA DATSUN (Continued) **S102056118**

City,State,Zip: ARCADIA, CA 91006
Region: LA
Permit Category: T
Facility Id: 010624-010562
Facility Type: 0
Facility Status: Removed
Area: 3N
Permit Number: 00002031T
Permit Status: Removed

B23 **ARCADIA NISSAN** **RCRA-SQG** **1000145512**
East **333 E HUNTINGTON DR** **FINDS** **CAD981445554**
< 1/8 **ARCADIA, CA 91006** **ECHO**
0.105 mi.
557 ft. **Site 3 of 3 in cluster B**

Relative:
Lower

Actual:
473 ft.

RCRA-SQG:
Date form received by agency: 09/01/1996
Facility name: ARCADIA NISSAN
Facility address: 333 E HUNTINGTON DR
ARCADIA, CA 91006
EPA ID: CAD981445554
Mailing address: E HUNTINGTON DR
ARCADIA, CA 91006
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: ROBERT LOW
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212

ARCADIA NISSAN (Continued) **1000145512**

Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002709481

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000145512
Registry ID: 110002709481
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002709481

E24 **CLASS A COIN LAUNDRY** **EDR Hist Cleaner** **1018575228**
East **411 E HUNTINGTON DR A** **N/A**
< 1/8 **ARCADIA, CA 91006**
0.125 mi.
658 ft. **Site 1 of 4 in cluster E**

Relative: EDR Hist Cleaner
Lower

Actual: Year: Name: Type:
470 ft.

Year:	Name:	Type:
1995	SOUTHWEST CLEANERS	Drycleaning Plants, Except Rugs, NEC
1996	SOUTHWEST CLEANERS	Drycleaning Plants, Except Rugs, NEC
2004	ROYAL DRYCLEANERS	Drycleaning Plants, Except Rugs
2005	ROYAL DRYCLEANERS	Drycleaning Plants, Except Rugs
2006	ROYAL DRY CLEANERS	Drycleaning Plants, Except Rugs
2007	ROYAL DRY CLEANERS	Drycleaning Plants, Except Rugs
2008	ROYAL DRY CLEANERS	Drycleaning Plants, Except Rugs
2009	ROYAL DRY CLEANERS	Drycleaning Plants, Except Rugs
2010	STANLEY STEEMER	Carpet And Upholstery Cleaning On Customer Premises
2010	ROYAL DRY CLEANERS	Drycleaning Plants, Except Rugs
2011	STANLEY STEEMER	Carpet And Upholstery Cleaning On Customer Premises
2011	ROYAL DRY CLEANERS	Drycleaning Plants, Except Rugs
2012	ROYAL DRY CLEANERS	Drycleaning Plants, Except Rugs
2012	STANLEY STEEMER	Carpet And Upholstery Cleaning On Customer Premises
2013	STANLEY STEEMER	Carpet And Upholstery Cleaning On Customer Premises
2013	ROYAL DRY CLEANERS	Drycleaning Plants, Except Rugs
2014	ROYAL DRY CLEANERS	Drycleaning Plants, Except Rugs
2014	STANLEY STEEMER	Carpet And Upholstery Cleaning On Customer Premises

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E25 **SALONCENTRIC INC 6007** **RCRA NonGen / NLR** **1024843222**
East **411 E HUNTINGTON DR STE 115** **CAL000394411**
< 1/8 **ARCADIA, CA 91006**
0.125 mi.
658 ft. **Site 2 of 4 in cluster E**

Relative: RCRA NonGen / NLR:
Lower
Date form received by agency: 02/26/2014

Actual:
470 ft.

Facility name:	SALONCENTRIC INC 6007
Facility address:	411 E HUNTINGTON DR STE 115 ARCADIA, CA 91006
EPA ID:	CAL000394411
Mailing address:	28145 HARRISON PARKWAY VALENCIA, CA 91355-4165
Contact:	JUAN CARLOS BOBEA
Contact address:	28145 W. HARRISON PARKWAY VALENCIA, CA 91355
Contact country:	Not reported
Contact telephone:	661-295-4887
Contact email:	JBOBEARIVAS@SALONCENTRIC.COM
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	SALONCENTRIC INC
Owner/operator address:	10101 DR MARTIN LUTHER KING ST SUITE 100 ST. PETERSBURG, FL 33716
Owner/operator country:	Not reported
Owner/operator telephone:	727-369-2623
Owner/operator email:	Not reported

SALONCENTRIC INC 6007 (Continued) **1024843222**

Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported
Owner/operator name:	JUAN CARLOS BOBEA
Owner/operator address:	28145 W. HARRISON PARKWAY VALENCIA, CA 91355
Owner/operator country:	Not reported
Owner/operator telephone:	661-295-4887
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	Yes
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

E26 **SOUTHWEST CLEANERS AND HAND LAUNDRY** **DRYCLEANERS** **S121700044**
East **411 E HUNTINGTON DR STE 101-A** **N/A**
< 1/8 **ARCADIA, CA 91006**
0.125 mi.
658 ft. **Site 3 of 4 in cluster E**

Relative:
Lower

Actual:
470 ft.

DRYCLEAN SOUTH COAST:

Name:	SOUTHWEST CLEANERS AND HAND LAUNDRY
Address:	411 E HUNTINGTON DR STE 101-A
City,State,Zip:	ARCADIA, CA 91006
Facility ID:	87257
Application Number:	253243
Permit Number:	D40290
Status:	A
Representative Name:	MARIA LUNA
Representative Telephone:	818 4474591
Permit Status:	INACT_NR
BCAT Number:	000234
BCAT Description:	DRY CLEANING EQUIP PERCHLOROETHYLENE

SOUTHWEST CLEANERS AND HAND LAUNDRY (Continued) **S121700044**

CCAT Number: 04
CCAT Description: VAPOR RECOVERY UNIT COMPRESS & CONDENSE
UTM East: 405.8999939
UTM North: 3778

E27
East
< 1/8
0.125 mi.
658 ft.

BEYOND CARE HOSPICE INC DBA NIGHTINGALE HOSPICE **RCRA NonGen / NLR** **1024859628**
411 E HUNTINGTON DR STE 212 **CAL000426945**
ARCADIA, CA 91006

Site 4 of 4 in cluster E

Relative:
Lower

Actual:
470 ft.

RCRA NonGen / NLR:
Date form received by agency: 04/21/2017
Facility name: BEYOND CARE HOSPICE INC DBA NIGHTINGALE HOSPICE
Facility address: 411 E HUNTINGTON DR STE 212
ARCADIA, CA 91006
EPA ID: CAL000426945
Contact: REGINALD LACSON
Contact address: 411 E HUNTINGTON DR STE 212
ARCADIA, CA 91006
Contact country: Not reported
Contact telephone: 844-452-3109
Contact email: NHPC.ARCADIA@GMAIL.COM
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: HIENHOA NGUYEN
Owner/operator address: 411 E HUNTINGTON DR STE 212
ARCADIA, CA 91006
Owner/operator country: Not reported
Owner/operator telephone: 844-452-3109
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: REGINALD LACSON
Owner/operator address: 411 E HUNTINGTON DR STE 212
ARCADIA, CA 91006
Owner/operator country: Not reported
Owner/operator telephone: 844-452-3109
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No

BEYOND CARE HOSPICE INC DBA NIGHTINGALE HOSPICE (Continued) **1024859628**

Recycler of hazardous waste:	No
Transporter of hazardous waste:	Yes
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

F28 **TECHNAR INC** **RCRA NonGen / NLR** **1000242919**
NW **205 N SECOND ST** **HAZNET** **CAD047441282**
1/8-1/4 **ARCADIA, CA 91006**
0.125 mi.
662 ft. **Site 1 of 4 in cluster F**

Relative: **Higher**

Actual: **489 ft.**

RCRA NonGen / NLR:

Date form received by agency:	10/02/1996
Facility name:	TECHNAR INC
Facility address:	205 N SECOND ST ARCADIA, CA 91006
EPA ID:	CAD047441282
Contact:	JEFFREY HOHMAN
Contact address:	902 S SECOND ST PO BOX 279 MARSHALL, IL 92441
Contact country:	US
Contact telephone:	217-826-2311
Contact email:	Not reported
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	TECHNAR INC.
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported

TECHNAR INC (Continued) **1000242919**

Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 09/01/1996
Site name: TECHNAR INC
Classification: Large Quantity Generator

Date form received by agency: 02/29/1992
Site name: TECHNAR INC
Classification: Large Quantity Generator

Violation Status: No violations found

HAZNET:
Name: TECHNAR INC
Address: 205 N SECOND ST
City,State,Zip: ARCADIA, CA 910060000
Year: 1993
GEPAID: CAD047441282
Contact: --
Telephone: --
Mailing Name: Not reported
Mailing Address: 5462 N IRWINDALE AVE
Mailing City,St,Zip: IRWINDALE, CA 917060000
Gen County: Los Angeles
TSD EPA ID: CAD050806850
TSD County: Los Angeles
Tons: 2.8
CA Waste Code: 134-Aqueous solution with total organic residues less than 10 percent
Method: T01-Treatment, Tank
Facility County: Los Angeles

Name: TECHNAR INC
Address: 205 N SECOND ST
City,State,Zip: ARCADIA, CA 910060000

TECHNAR INC (Continued) **1000242919**

Year: 1993
GEPAID: CAD047441282
Contact: --
Telephone: --
Mailing Name: Not reported
Mailing Address: 5462 N IRWINDALE AVE
Mailing City,St,Zip: IRWINDALE, CA 917060000
Gen County: Los Angeles
TSD EPA ID: CAD050806850
TSD County: Los Angeles
Tons: 0.5
CA Waste Code: 211-Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Method: H01-Transfer Station
Facility County: Los Angeles

Name: TECHNAR INC
Address: 205 N SECOND ST
City,State,Zip: ARCADIA, CA 910060000
Year: 1993
GEPAID: CAD047441282
Contact: --
Telephone: --
Mailing Name: Not reported
Mailing Address: 5462 N IRWINDALE AVE
Mailing City,St,Zip: IRWINDALE, CA 917060000
Gen County: Los Angeles
TSD EPA ID: CAD050806850
TSD County: Los Angeles
Tons: 0.2
CA Waste Code: 181-Other inorganic solid waste
Method: H01-Transfer Station
Facility County: Los Angeles

Name: TECHNAR INC
Address: 205 N SECOND ST
City,State,Zip: ARCADIA, CA 910060000
Year: 1993
GEPAID: CAD047441282
Contact: --
Telephone: --
Mailing Name: Not reported
Mailing Address: 5462 N IRWINDALE AVE
Mailing City,St,Zip: IRWINDALE, CA 917060000
Gen County: Los Angeles
TSD EPA ID: CAD981458466
TSD County: Los Angeles
Tons: 2.1
CA Waste Code: 134-Aqueous solution with total organic residues less than 10 percent
Method: R01-Recycler
Facility County: Los Angeles

Name: TECHNAR INC
Address: 205 N SECOND ST
City,State,Zip: ARCADIA, CA 910060000
Year: 1993
GEPAID: CAD047441282
Contact: --

TECHNAR INC (Continued) **1000242919**

Telephone: --
Mailing Name: Not reported
Mailing Address: 5462 N IRWINDALE AVE
Mailing City,St,Zip: IRWINDALE, CA 917060000
Gen County: Los Angeles
TSD EPA ID: CAD050806850
TSD County: Los Angeles
Tons: 0.6
CA Waste Code: 122-Alkaline solution without metals pH >= 12.5
Method: T01-Treatment, Tank
Facility County: Los Angeles

Click this hyperlink while viewing on your computer to access
78 additional CA_HAZNET: record(s) in the EDR Site Report.

G29 **VALLEY DIGESTINE HEALTH CENTER ARCADIA ENDOSCOPY A** **RCRA NonGen / NLR** **1024842803**
ENE **488 E SANTA CLARA ST STE 102** **CAL000393527**
1/8-1/4 **ARCADIA, CA 91006**
0.136 mi.
716 ft. **Site 1 of 2 in cluster G**

Relative:
Higher

Actual:
485 ft.

RCRA NonGen / NLR:
Date form received by agency: 01/24/2014
Facility name: VALLEY DIGESTINE HEALTH CENTER ARCADIA ENDOSCOPY ASC LP
Facility address: 488 E SANTA CLARA ST STE 102
ARCADIA, CA 91006
EPA ID: CAL000393527
Mailing address: 488 E SANTA CLARA ST
SUITE 102
ARCADIA, CA 91006-0000
Contact: LINDA PETERS
Contact address: 488 E SANTA CLARA ST STE 102
ARCADIA, CA 91006
Contact country: Not reported
Contact telephone: 626-359-9555
Contact email: LINDA.PETERS@AMSURG.COM
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: LINDA PETERS
Owner/operator address: 488 E SANTA CLARA ST STE 102
ARCADIA, CA 91006
Owner/operator country: Not reported
Owner/operator telephone: 626-359-9555
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: ARCADIA ENDOSCOPY ASC LP
Owner/operator address: 488 E SANTA CLARA ST STE 102
ARCADIA, CA 91006

VALLEY DIGESTINE HEALTH CENTER ARCADIA ENDOSCOPY ASC LP (Continued) **1024842803**

Owner/operator country: Not reported
Owner/operator telephone: 626-359-9555
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

G30 **ZOTOS INTERNATIONAL, INC.** **RCRA NonGen / NLR** **1024781510**
ENE **488 EAST SANTA CLARA STREET** **CAC003001478**
1/8-1/4 **ARCADIA, CA 91006**
0.136 mi.
716 ft. **Site 2 of 2 in cluster G**

Relative:
Higher

Actual:
485 ft.

RCRA NonGen / NLR:
Date form received by agency: 02/15/2019
Facility name: ZOTOS INTERNATIONAL, INC.
Facility address: 488 EAST SANTA CLARA STREET
ARCADIA, CA 91006
EPA ID: CAC003001478
Contact: ESTHER GARCIA
Contact address: 4616 CLOUD AVENUE
LA CRESCENTA, CA 91214
Contact country: Not reported
Contact telephone: 626-818-2441
Contact email: EPA4HAZ@GMAIL.COM
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: ESTHER GARCIA
Owner/operator address: 488 EAST SANTA CLARA STREET
ARCADIA, CA 91006
Owner/operator country: Not reported
Owner/operator telephone: 626-818-2441
Owner/operator email: Not reported

ZOTOS INTERNATIONAL, INC. (Continued) **1024781510**

Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported
Owner/operator name:	ESTHER GARCIA
Owner/operator address:	4616 CLOUD AVENUE LA CRESCENTA, CA 91214
Owner/operator country:	Not reported
Owner/operator telephone:	626-818-2441
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

H31 **CLIFFORD C BONG AND CO** **HIST UST** **S118408766**
South **123 N THIRD AVE** **N/A**
1/8-1/4 **ARCADIA, CA 91006**
0.141 mi.
744 ft. **Site 1 of 3 in cluster H**

Relative: **Lower**

Actual: **477 ft.**

HIST UST:

Name:	CLIFFORD C BONG AND CO
Address:	123 N THIRD AVE
City,State,Zip:	ARCADIA, CA 91006
File Number:	000272C6
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000272C6.pdf
Region:	Not reported
Facility ID:	Not reported
Facility Type:	Not reported
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	Not reported
Owner Name:	Not reported

CLIFFORD C BONG AND CO (Continued) **S118408766**

Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Total Tanks:	Not reported
Tank Num:	Not reported
Container Num:	Not reported
Year Installed:	Not reported
Tank Capacity:	Not reported
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported

Click here for Geo Tracker PDF:

H32 **CLIFFORD C. BONG & CO.** **HIST UST** **U001566433**
South **123 S 3RD AVE** **N/A**
1/8-1/4 **ARCADIA, CA 91006**
0.141 mi.
744 ft. **Site 2 of 3 in cluster H**

Relative: HIST UST:
Lower

Actual:
477 ft.

Name:	CLIFFORD C. BONG & CO.
Address:	123 S 3RD AVE
City,State,Zip:	ARCADIA, CA 91006
File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000014058
Facility Type:	Other
Other Type:	STORAGE YARD
Contact Name:	HOWARD BONG
Telephone:	8184474411
Owner Name:	CLIFFORD C. BONG & CO.
Owner Address:	123 N. THIRD AVE.
Owner City,St,Zip:	ARCADIA, CA 91006
Total Tanks:	0003
Tank Num:	001
Container Num:	NO 01
Year Installed:	Not reported
Tank Capacity:	00001800
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	8
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	NO 02
Year Installed:	Not reported
Tank Capacity:	00001000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	8
Leak Detection:	Stock Inventor
Tank Num:	003
Container Num:	NO 03

CLIFFORD C. BONG & CO. (Continued) **U001566433**

Year Installed:	Not reported
Tank Capacity:	00001000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	8
Leak Detection:	Stock Inventor

33
WSW
1/8-1/4
0.143 mi.
754 ft.

DK CYCLES INC DBA HELEN'S CYCLES V **RCRA NonGen / NLR** **1024830043**
142 E HUNTINGTON DR **CAL000364467**
ARCADIA, CA 91006

Relative:
Lower

Actual:
481 ft.

RCRA NonGen / NLR:

Date form received by agency:	06/09/2011
Facility name:	DK CYCLES INC DBA HELEN'S CYCLES V
Facility address:	142 E HUNTINGTON DR ARCADIA, CA 91006-3211
EPA ID:	CAL000364467
Mailing address:	2501 BROADWAY SANTA MONICA, CA 90404-3045
Contact:	JAY WOLFF
Contact address:	2501 BROADWAY SANTA MONICA, CA 90404
Contact country:	Not reported
Contact telephone:	310-829-1836
Contact email:	ANJI@HELENSCYCLES.COM
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	JAY WOLFF
Owner/operator address:	2501 BROADWAY SANTA MONICA, CA 90404
Owner/operator country:	Not reported
Owner/operator telephone:	310-829-1836
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	DK CYCLES INC
Owner/operator address:	2501 BROADWAY SANTA MONICA, CA 90404
Owner/operator country:	Not reported
Owner/operator telephone:	310-829-1836
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

DK CYCLES INC DBA HELEN'S CYCLES V (Continued) **1024830043**

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	Yes
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

F34 **J M RACING INC** **RCRA-SQG** **1000596598**
WNW **144 E SANTA CLARA ST** **CAD983605726**
1/8-1/4 **ARCADIA, CA 91006**
0.148 mi.
781 ft. **Site 2 of 4 in cluster F**

Relative:
Higher

Actual:
490 ft.

RCRA-SQG:

Date form received by agency:	07/13/2000
Facility name:	J M RACING INC
Facility address:	144 E SANTA CLARA ST ARCADIA, CA 91006
EPA ID:	CAD983605726
Mailing address:	P O BOX 661565 ARCADIA, CA 91006
Contact:	CHRIS COOLEY
Contact address:	P O BOX 661565 ARCADIA, CA 91006
Contact country:	US
Contact telephone:	626-446-5443
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	JEAN MARCHIONI
Owner/operator address:	144 E SANTA CLARA ST ARCADIA, CA 91006
Owner/operator country:	Not reported
Owner/operator telephone:	626-446-5443
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner

J M RACING INC (Continued) **1000596598**

Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Hazardous Waste Summary:

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

Violation Status: No violations found

H35 **ARCADIA USD HUNTINGTON HS** **RCRA-SQG** **1000145514**
South **150 S 3RD AVE** **FINDS** **CAD981667744**
1/8-1/4 **ARCADIA, CA 91006** **ECHO**
0.150 mi.
790 ft. **Site 3 of 3 in cluster H**

Relative:
Lower

Actual:
477 ft.

RCRA-SQG:
Date form received by agency: 09/01/1996
Facility name: ARCADIA USD HUNTINGTON HS
Facility address: 150 S 3RD AVE
ARCADIA, CA 91006
EPA ID: CAD981667744
Mailing address: 234 CAMPUS DR
ARCADIA, CA 91006
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: ARCADIA USD

ARCADIA USD HUNTINGTON HS (Continued) **1000145514**

Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: District
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: District
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 10/20/1986
Site name: ARCADIA USD HUNTINGTON HS
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110002743336

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport,

ARCADIA USD HUNTINGTON HS (Continued) **1000145514**

and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000145514
Registry ID: 110002743336
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002743336

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36 TOVA 9 **RCRA-SQG 1000141554**
WNW 140 E SANTA CLARA **FINDS CAD981629488**
1/8-1/4 ARCADIA, CA 91006 **ECHO**
0.160 mi.
845 ft.

Relative: Higher

Actual: 491 ft.

RCRA-SQG:
Date form received by agency: 09/01/1996
Facility name: TOVA 9
Facility address: 140 E SANTA CLARA
ARCADIA, CA 91006
EPA ID: CAD981629488
Mailing address: E SANTA CLARA
ARCADIA, CA 91006
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: TOVA CORP
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED

TOVA 9 (Continued) **1000141554**

NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002730313

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000141554
Registry ID: 110002730313
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002730313

I37 **ARCADIA MOTOR SERVICES** **SWEEPS UST** **S102055683**
West **134 WHEELER AVE** **LOS ANGELES CO. HMS** **N/A**
1/8-1/4 **ARCADIA, CA 91006**
0.160 mi.
845 ft. **Site 1 of 4 in cluster I**

Relative:
Higher

Actual:
486 ft.

SWEEPS UST:

Name:	ARCADIA MOTOR SERVICES
Address:	134 WHEELER AVE
City:	ARCADIA
Status:	Active
Comp Number:	14204
Number:	9
Board Of Equalization:	Not reported
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-014204-000001
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	1

LOS ANGELES CO. HMS:

Name:	ARCADIA MOTOR SERVICES
Address:	134 WHEELER AVE
City,State,Zip:	ARCADIA, CA 91006
Region:	LA
Permit Category:	T
Facility Id:	013775-014204
Facility Type:	0
Facility Status:	Removed
Area:	3N
Permit Number:	00005714T
Permit Status:	Removed

I38 **ARCADIA MOTOR SVC** **RCRA-SQG** **1000594499**
West **134 WHEELER** **FINDS** **CAD983583303**
1/8-1/4 **ARCADIA, CA 91006** **ECHO**
0.160 mi.
845 ft. **Site 2 of 4 in cluster I**

Relative:
Higher

Actual:
486 ft.

RCRA-SQG:

Date form received by agency:	06/06/1991
Facility name:	ARCADIA MOTOR SVC
Facility address:	134 WHEELER ARCADIA, CA 91006
EPA ID:	CAD983583303
Contact:	MARVIN DICKSON
Contact address:	134 WHEELER ARCADIA, CA 91006
Contact country:	US
Contact telephone:	818-446-3786
Contact email:	Not reported
EPA Region:	09

ARCADIA MOTOR SVC (Continued) **1000594499**

Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: MARVIN L DICKSON
Owner/operator address: 134 WHEELER AVE
ARCADIA, CA 91006
Owner/operator country: Not reported
Owner/operator telephone: 818-446-3786
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002845057

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ARCADIA MOTOR SVC (Continued) **1000594499**

ECHO:
Envid: 1000594499
Registry ID: 110002845057
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002845057

I39 West 1/8-1/4 0.160 mi. 845 ft. **DAN'S AUTO CARE** **CERS HAZ WASTE** **S123501735**
134 E WHEELER AVE **CERS** **N/A**
ARCADIA, CA 91006

Site 3 of 4 in cluster I

Relative: Higher

Actual: 486 ft.

CERS HAZ WASTE:
Name: DAN'S AUTO CARE
Address: 134 E WHEELER AVE
City,State,Zip: ARCADIA, CA 91006
Site ID: 146043
CERS ID: 10294285
CERS Description: Hazardous Waste Generator

CERS:
Name: DAN'S AUTO CARE
Address: 134 E WHEELER AVE
City,State,Zip: ARCADIA, CA 91006
Site ID: 146043
CERS ID: 10294285
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 146043
Site Name: Dan's Auto Care
Violation Date: 06-24-2019
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 06/24/2019. Hazardous Waste labels were filled in with the required information: name of business; address; start accumulation date; state waste code; and physical state.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 146043
Site Name: Dan's Auto Care
Violation Date: 02-10-2016
Citation: HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Description: Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 12/22/2017. OBSERVATION: Owner/Operator failed to establish and implement a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet. CORRECTIVE ACTION: Establish and

DAN'S AUTO CARE (Continued) **S123501735**

implement a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet. Disclose your 110 gallons of waste oil and 55-gallons of waste coolant. Go to http://cers.calepa.ca.gov

Violation Division: Los Angeles County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 146043
Site Name: Dan's Auto Care
Violation Date: 06-24-2019
Citation: 22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description: Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.
Violation Notes: OBSERVATION: Uniform Hazardous Waste Manifests for HAZARDOUS WASTES generated were not available at the time of inspection. CORRECTIVE ACTION: Locate a copy of all manifests for HAZARDOUS WASTES- used oil; spent coolant, manifest/receipt for removal of clarifier contents and submit copies to the CUPA manfests/recepts copies for the last three years. Docments may be submitted by either method: Fax, 323.8904046. emai: brenda.wright@fire.lacounty.gov mail: 5825 Rickenbacker Rd, Comerce 90040 Phone number- Inspector Brenda Wright 213.215.4137
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 146043
Site Name: Dan's Auto Care
Violation Date: 02-10-2016
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Haz Waste Generator Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 01/05/2018. OBSERVATION: The Owner/Operator failed to obtain or no longer has an active hazardous waste generator permit. CORRECTIVE ACTION: The Owner/Operator shall immediately apply to receive a new or renewed hazardous waste generator permit and maintain that permit as active as long as the facility is in operation and continues to generate hazardous waste. Go to http://cers.calepa.gov
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 146043
Site Name: Dan's Auto Care
Violation Date: 03-19-2013
Citation: HSC 6.95 25505(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)
Violation Description: Owner/Operator failed to complete and/or submit a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet.
Violation Notes: Submit HMBP to CERS
Violation Division: Los Angeles County Fire Department

DAN'S AUTO CARE (Continued) **S123501735**

Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 01-05-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-10-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: DAN ALEXANDER
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-10-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: DAN ALEXANDER
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-19-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspected by Z Songco, HMS II Consent by R Hillman
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-19-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspected by Z Songco, HMS II Consent by R Hillman
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-24-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Consent by mechanics: Joe Lorino and Jennifer Errickson
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

DAN'S AUTO CARE (Continued) **S123501735**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-24-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Consent by Joe Lorino, mechanic
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 12-22-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 12-22-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Affiliation:
Affiliation Type Desc: Document Preparer
Entity Name: daniel alexander
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: Dan Alexander
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (626) 252-0375

Affiliation Type Desc: CUPA District
Entity Name: Los Angeles County Fire
Entity Title: Not reported
Affiliation Address: 5825 Rickenbacker Road
Affiliation City: Commerce
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90040-3027
Affiliation Phone: (323) 890-4045

DAN'S AUTO CARE (Continued) **S123501735**

Affiliation Type Desc:	Environmental Contact
Entity Name:	Dan Alexander
Entity Title:	Not reported
Affiliation Address:	134 Wheeler Ave
Affiliation City:	ARCADIA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91007
Affiliation Phone:	Not reported

Affiliation Type Desc:	Identification Signer
Entity Name:	daniel alexander
Entity Title:	Owner
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	Dan Alexander
Entity Title:	Not reported
Affiliation Address:	134 wheeler ave.
Affiliation City:	Arcadia
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91006
Affiliation Phone:	(626) 445-0453

Affiliation Type Desc:	Parent Corporation
Entity Name:	DAN'S AUTO CARE
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	134 Wheeler Ave
Affiliation City:	Arcadia
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91006
Affiliation Phone:	Not reported

I40 **ARCADIA MOTOR SERVICE** **HIST UST** **U001566423**
West **134 WHEELER AVE** **N/A**
1/8-1/4 **ARCADIA, CA 91006**
0.160 mi.
845 ft. **Site 4 of 4 in cluster I**

Relative: **Higher**
Actual: **486 ft.**

HIST UST:

Name:	ARCADIA MOTOR SERVICE
Address:	134 WHEELER AVE
City,State,Zip:	ARCADIA, CA 91006
File Number:	00027A84
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00027A84.pdf
Region:	STATE
Facility ID:	00000066641
Facility Type:	Other
Other Type:	AUTO REPAIR
Contact Name:	Not reported
Telephone:	8184463786
Owner Name:	MARVIN L. DICKSON
Owner Address:	134 WHEELER AVE.
Owner City,St,Zip:	ARCADIA, CA 91006
Total Tanks:	0002
Tank Num:	001
Container Num:	2
Year Installed:	1958
Tank Capacity:	00000750
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	X
Leak Detection:	None
Tank Num:	002
Container Num:	1
Year Installed:	1958
Tank Capacity:	00000300
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	None

Click here for Geo Tracker PDF:

F41 **E-Z-HOOK, DIVISION OF TEKTEST, INC.** **UST** **U004263353**
NNW **225 N 2ND AVE** **N/A**
1/8-1/4 **ARCADIA, CA 91006**
0.164 mi.
868 ft. **Site 3 of 4 in cluster F**

Relative: **Higher**
Actual: **491 ft.**

UST:

Name:	E-Z-HOOK, DIVISION OF TEKTEST, INC.
Address:	225 N 2ND AVE
City,State,Zip:	ARCADIA, CA 91006
Facility ID:	Not reported
Permitting Agency:	Los Angeles County Fire Department
Latitude:	34.14314
Longitude:	-118.02617

F42
NNW
1/8-1/4
0.164 mi.
868 ft.

APW DEVELOPMENT COMPANY
225 NORTH SECOND AVENUE
ARCADIA, CA 91006

Site 4 of 4 in cluster F

RCRA-SQG **1019327091**
CAC002821613

Relative:
Higher

Actual:
491 ft.

RCRA-SQG:

Date form received by agency:	01/13/2016
Facility name:	APW DEVELOPMENT COMPANY
Facility address:	225 NORTH SECOND AVENUE ARCADIA, CA 91006
EPA ID:	CAC002821613
Mailing address:	NORTH SECOND AVENUE ARCADIA, CA 91006
Contact:	CHARLES N WOOD
Contact address:	NORTH SECOND AVENUE ARCADIA, CA 91006
Contact country:	US
Contact telephone:	626-446-6175
Contact email:	CHARLES@E-Z-HOOK.COM
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	APW DEVELOPMENT COMPANY
Owner/operator address:	Not reported Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	01/01/1979
Owner/Op end date:	Not reported

Owner/operator name:	APW DEVELOPMENT COMPANY
Owner/operator address:	NORTH SECOND AVENUE ARCADIA, CA 91006
Owner/operator country:	US
Owner/operator telephone:	626-446-6175
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	01/01/1979
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No

APW DEVELOPMENT COMPANY (Continued) **1019327091**

Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Hazardous Waste Summary:

. Waste code: 134
. Waste name: Aqueous solution with <10% total organic residues

. Waste code: D001
. Waste name: IGNITABLE WASTE

Biennial Reports:

Last Biennial Reporting Year: 2017

Annual Waste Handled:

Waste code:	D001
Waste name:	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs):	2800.1

Violation Status: No violations found

J43 **HEALTHCARE PARTNERS** **RCRA NonGen / NLR** **1024851077**
SE **450 E HUNTINGTON DR** **CAL000409233**
1/8-1/4 **ARCADIA, CA 91006**
0.184 mi.
971 ft. **Site 1 of 2 in cluster J**

Relative: **Lower**

Actual: **475 ft.**

RCRA NonGen / NLR:

Date form received by agency:	08/12/2015
Facility name:	HEALTHCARE PARTNERS
Facility address:	450 E HUNTINGTON DR ARCADIA, CA 91006
EPA ID:	CAL000409233
Mailing address:	2175 PARK PLACE EL SEGUNDO, CA 90245-0000
Contact:	LUIS DIAZ
Contact address:	2175 PARK PLACE EL SEGUNDO, CA 90245-0000
Contact country:	Not reported
Contact telephone:	310-354-4289

HEALTHCARE PARTNERS (Continued) **1024851077**

Contact email: LDGARCIA@HEALTHCAREPARTNERS.COM
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: LUIS DIAZ
Owner/operator address: 2175 PARK PLACE
EL SEGUNDO, CA 90245
Owner/operator country: Not reported
Owner/operator telephone: 310-354-4289
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: HEALTHCARE PARTNERS LLC
Owner/operator address: 2175 PARK PLACE
EL SEGUNDO, CA 90245
Owner/operator country: Not reported
Owner/operator telephone: 310-354-4289
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

K44
NW
1/8-1/4
0.189 mi.
999 ft.

COLLECTORS CARS
150 E ST JOSEPH
ARCADIA, CA 91006

Site 1 of 6 in cluster K

RCRA-SQG
FINDS
ECHO
HAZNET

1000819963
CAD983659822

Relative:
Higher

Actual:
494 ft.

RCRA-SQG:

Date form received by agency:	02/17/1993
Facility name:	COLLECTORS CARS
Facility address:	150 E ST JOSEPH ARCADIA, CA 91006
EPA ID:	CAD983659822
Contact:	MIKE TOSHIMO
Contact address:	150 E ST JOSEPH ARCADIA, CA 91006
Contact country:	US
Contact telephone:	818-447-2576
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	MIKE TOSHIMA
Owner/operator address:	150 E ST JOSEPH ARCADIA, CA 91006
Owner/operator country:	Not reported
Owner/operator telephone:	818-447-2776
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

COLLECTORS CARS (Continued) **1000819963**

FINDS:

Registry ID: 110002892932

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000819963
Registry ID:	110002892932
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002892932

HAZNET:

Name:	COLLECTORS CARS
Address:	150 E ST JOSEPH
City,State,Zip:	ARCADIA, CA 910060000
Year:	1999
GEPAID:	CAD983659822
Contact:	GREG GARCIA-MANAGER
Telephone:	6264472576
Mailing Name:	Not reported
Mailing Address:	150 E SAINT JOSEPH ST
Mailing City,St,Zip:	ARCADIA, CA 910062851
Gen County:	Los Angeles
TSD EPA ID:	CAT000613893
TSD County:	Los Angeles
Tons:	0.063
CA Waste Code:	134-Aqueous solution with total organic residues less than 10 percent
Method:	H01-Transfer Station
Facility County:	Los Angeles

Name:	COLLECTORS CARS
Address:	150 E ST JOSEPH
City,State,Zip:	ARCADIA, CA 910060000
Year:	1996
GEPAID:	CAD983659822
Contact:	GREG GARCIA-MANAGER
Telephone:	6264472576
Mailing Name:	Not reported
Mailing Address:	150 E SAINT JOSEPH ST
Mailing City,St,Zip:	ARCADIA, CA 910062851
Gen County:	Los Angeles
TSD EPA ID:	CAD000088252
TSD County:	Los Angeles
Tons:	0.03
CA Waste Code:	352-Other organic solids
Method:	H01-Transfer Station

COLLECTORS CARS (Continued) **1000819963**

Facility County: Los Angeles

Name: COLLECTORS CARS
Address: 150 E ST JOSEPH
City,State,Zip: ARCADIA, CA 910060000
Year: 1994
GEPAID: CAD983659822
Contact: GREG GARCIA-MANAGER
Telephone: 6264472576
Mailing Name: Not reported
Mailing Address: 150 E SAINT JOSEPH ST
Mailing City,St,Zip: ARCADIA, CA 910062851
Gen County: Los Angeles
TSD EPA ID: CAT000613893
TSD County: Los Angeles
Tons: 0.1245
CA Waste Code: 343-Unspecified organic liquid mixture
Method: -
Facility County: Los Angeles

Name: COLLECTORS CARS
Address: 150 E ST JOSEPH
City,State,Zip: ARCADIA, CA 910060000
Year: 1993
GEPAID: CAD983659822
Contact: GREG GARCIA-MANAGER
Telephone: 6264472576
Mailing Name: Not reported
Mailing Address: 150 E SAINT JOSEPH ST
Mailing City,St,Zip: ARCADIA, CA 910062851
Gen County: Los Angeles
TSD EPA ID: CAT000613893
TSD County: Los Angeles
Tons: 0.249
CA Waste Code: 341-Organic liquids (nonsolvents) with halogens
Method: H01-Transfer Station
Facility County: Los Angeles

L45 **QUALITY CAR CARE PRODUCTS INC** **HIST UST** **U001566552**
East **941 W HUNTINGTON DR** **EMI** **N/A**
1/8-1/4 **MONROVIA, CA 91016**
0.193 mi.
1018 ft. **Site 1 of 3 in cluster L**

Relative: HIST UST:
Lower
Actual: Name: QUALITY CAR CARE PRODUCTS INC
475 ft. Address: 941 W HUNTINGTON DR
City,State,Zip: MONROVIA, CA 91016
File Number: 00027E4F
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00027E4F.pdf
Region: STATE
Facility ID: 00000008934
Facility Type: Other
Other Type: CAR CARE CHEMICALS M
Contact Name: BILL HOLLINGSWORTH
Telephone: 8183576002
Owner Name: QUALITY CAR CARE PRODUCTS INC.
Owner Address: 941 W. HUNTINGTON DR.

QUALITY CAR CARE PRODUCTS INC (Continued) **U001566552**

Owner City,St,Zip:	MONROVIA, CA 91016
Total Tanks:	0005
Tank Num:	001
Container Num:	01
Year Installed:	1969
Tank Capacity:	00003000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	3/16
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	02
Year Installed:	1969
Tank Capacity:	00005000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	1/4
Leak Detection:	Stock Inventor
Tank Num:	003
Container Num:	03
Year Installed:	1971
Tank Capacity:	00009940
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	1/4
Leak Detection:	Stock Inventor
Tank Num:	004
Container Num:	04
Year Installed:	1971
Tank Capacity:	00009940
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	1/4
Leak Detection:	Stock Inventor
Tank Num:	005
Container Num:	05
Year Installed:	1973
Tank Capacity:	00002000
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	3/16
Leak Detection:	None

Click here for Geo Tracker PDF:

EMI:

Name:	QUALITY CAR CARE, INC.
Address:	941 W HUNTINGTON DR
City,State,Zip:	MONROVIA, CA 91016
Year:	1987
County Code:	19
Air Basin:	SC

QUALITY CAR CARE PRODUCTS INC (Continued) **U001566552**

Facility ID:	12088
Air District Name:	SC
SIC Code:	7542
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	QUALITY CAR CARE, INC.
Address:	941 W HUNTINGTON DR
City,State,Zip:	MONROVIA, CA 91016
Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	12088
Air District Name:	SC
SIC Code:	7542
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	19
Reactive Organic Gases Tons/Yr:	16
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

L46 **JUSTICE BROTHERS INC.** **LUST** **S100942996**
East **941 HUNTINGTON DR W** **HIST CORTESE** **N/A**
1/8-1/4 **MONROVIA, CA 91016** **LOS ANGELES CO. HMS**
0.205 mi. **CERS**
1081 ft. **Site 2 of 3 in cluster L**

Relative: LUST:
Lower

Name:	JUSTICE BROTHERS INC.
Address:	941 HUNTINGTON DR W
City,State,Zip:	MONROVIA, CA 91016
Lead Agency:	LOS ANGELES COUNTY
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603704373
Global Id:	T0603704373
Latitude:	34.140482
Longitude:	-118.020153
Status:	Completed - Case Closed
Status Date:	06/16/1993
Case Worker:	JOA
RB Case Number:	I-15963
Local Agency:	LOS ANGELES COUNTY
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Other Groundwater (uses other than drinking water)

Actual:
468 ft.

JUSTICE BROTHERS INC. (Continued) **S100942996**

Potential Contaminants of Concern: * Solvents
Site History: Not reported

LUST:
Global Id: T0603704373
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: jawujo@dpw.lacounty.gov
Phone Number: 6264583507

Global Id: T0603704373
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603704373
Action Type: Other
Date: 12/16/1992
Action: Leak Reported

LUST:
Global Id: T0603704373
Status: Open - Case Begin Date
Status Date: 12/16/1992

Global Id: T0603704373
Status: Open - Site Assessment
Status Date: 12/16/1992

Global Id: T0603704373
Status: Completed - Case Closed
Status Date: 06/16/1993

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: I-15963
Status: Case Closed
Substance: Solvents
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603704373
W Global ID: Not reported
Staff: UNK

JUSTICE BROTHERS INC. (Continued) **S100942996**

Local Agency:	19000	
Cross Street:	Not reported	
Enforcement Type:	Not reported	
Date Leak Discovered:	Not reported	
Date Leak First Reported:		12/16/1992
Date Leak Record Entered:	12/21/1992	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		2/1/1993
Date the Case was Closed:		6/16/1993
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		1469.6200004057289701257976666
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		12/16/1992
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	BLANK RP	
RP Address:	Not reported	
Program:	LUST	
Lat/Long:	34.1402159 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	Not reported	

HIST CORTESE:

edr_fname:	JUSTICE BROTHERS INC.
edr_fadd1:	941 HUNTINGTON
City,State,Zip:	MONROVIA, CA 91016
Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	I-15963

LOS ANGELES CO. HMS:

JUSTICE BROTHERS INC. (Continued) **S100942996**

Name: JUSTICE BROTHERS/JB CAR CARE
Address: 941 W HUNTINGTON DR
City,State,Zip: MONROVIA, CA 91016
Region: LA
Permit Category: T
Facility Id: 015048-015963
Facility Type: 0
Facility Status: Removed
Area: 3G
Permit Number: 00006245T
Permit Status: Removed

CERS:
Name: JUSTICE BROTHERS INC.
Address: 941 HUNTINGTON DR W
City,State,Zip: MONROVIA, CA 91016
Site ID: 241000
CERS ID: T0603704373
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: JOHN AWUJO - LOS ANGELES COUNTY
Entity Title: Not reported
Affiliation Address: 900 S FREMONT AVE
Affiliation City: ALHAMBRA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 6264583507

Affiliation Type Desc: Regional Board Caseworker
Entity Name: YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4TH ST., SUITE 200
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

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47 **AIR LOGISTICS CORP** **RCRA NonGen / NLR** **1000122414**
NNW **324 N SECOND ST** **FINDS** **CAD042246587**
1/8-1/4 **ARCADIA, CA 91006** **ECHO**
0.207 mi.
1091 ft.

Relative:
Higher

Actual:
491 ft.

RCRA NonGen / NLR:
Date form received by agency: 07/31/1986
Facility name: AIR LOGISTICS CORP
Facility address: 324 N SECOND ST
ARCADIA, CA 91006
EPA ID: CAD042246587
Mailing address: 3600 E FOOTHILL BLVD
PASADENA, CA 91109
Contact: ENVIRONMENTAL MANAGER
Contact address: 324 N SECOND ST

AIR LOGISTICS CORP (Continued) **1000122414**

ARCADIA, CA 91006
Contact country: US
Contact telephone: 213-681-1101
Contact email: Not reported
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: AIR LOGISTICS CORP
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002644853

AIR LOGISTICS CORP (Continued) **1000122414**

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000122414
Registry ID: 110002644853
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002644853

K48 **CALIBER COLLISION CENTERS** **RCRA NonGen / NLR** **1024853278**
NW **140 E SAINT JOSEPH ST** **CAL000412904**
1/8-1/4 **ARCADIA, CA 91006**
0.207 mi.
1094 ft. **Site 2 of 6 in cluster K**

Relative:
Higher

Actual:
496 ft.

RCRA NonGen / NLR:
Date form received by agency: 12/03/2015
Facility name: CALIBER COLLISION CENTERS
Facility address: 140 E SAINT JOSEPH ST
ARCADIA, CA 91006-2851
EPA ID: CAL000412904
Mailing address: 401 E CORPORATE DR STE 150
LEWISVILLE, TX 75057-6449
Contact: SHARON LAWRENCE
Contact address: 401 E CORPORATE DR STE 150
LEWISVILLE, TX 75057
Contact country: Not reported
Contact telephone: 469-948-9630
Contact email: SHARON.LAWRENCE@CALIBERCOLLISION.COM
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: CALIBER COLIISION BODYWORKS INC
Owner/operator address: 401 E CORPORATE DR STE 150
LEWISVILLE, TX 75057
Owner/operator country: Not reported
Owner/operator telephone: 713-444-8606
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: SHARON LAWRENCE
Owner/operator address: 401 E CORPORATE DR STE 150

CALIBER COLLISION CENTERS (Continued) **1024853278**

LEWISVILLE, TX 75057
Owner/operator country: Not reported
Owner/operator telephone: 469-948-9630
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

K49 **TAKANOS BODY SHOP** **RCRA-SQG** **1000147189**
NW **140 E ST. JOSEPH ST** **FINDS** **CAD982478869**
1/8-1/4 **ARCADIA, CA 91006** **ECHO**
0.207 mi.
1094 ft. **Site 3 of 6 in cluster K**

Relative:
Higher

Actual:
496 ft.

RCRA-SQG:
Date form received by agency: 07/25/1990
Facility name: TAKANOS BODY SHOP
Facility address: 140 E ST. JOSEPH ST
ARCADIA, CA 91006
EPA ID: CAD982478869
Mailing address: 140 E ST JOSEPH ST
ARCADIA, CA 91006
Contact: ENVIRONMENTAL MANAGER
Contact address: 140 E ST. JOSEPH ST
ARCADIA, CA 91006
Contact country: US
Contact telephone: 818-574-0667
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

TAKANOS BODY SHOP (Continued) **1000147189**

Owner/Operator Summary:

Owner/operator name:	TOSHIO TAKANO
Owner/operator address:	NOT REQUIRED
	NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED
	NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

FINDS:

Registry ID: 110002824034

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

TAKANOS BODY SHOP (Continued) **1000147189**

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000147189
Registry ID: 110002824034
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002824034

K50 **AUTO SQUARE COLLISION CENTERS** **RCRA NonGen / NLR** **1024808943**
NW **140 E SAINT JOSEPH ST** **CAL000282425**
1/8-1/4 **ARCADIA, CA 91006**
0.207 mi.
1094 ft. **Site 4 of 6 in cluster K**

Relative:
Higher

Actual:
496 ft.

RCRA NonGen / NLR:
Date form received by agency: 05/24/2004
Facility name: AUTO SQUARE COLLISION CENTERS
Facility address: 140 E SAINT JOSEPH ST
ARCADIA, CA 91006-2851
EPA ID: CAL000282425
Mailing address: 3475 PECK RD
EL MONTE, CA 91731-3221
Contact: GERRY ENDERS
Contact address: 3475 PECK RD
EL MONTE, CA 91731
Contact country: Not reported
Contact telephone: 626-277-0022
Contact email: BRIANE@AUTOSQUARECOLLISION.COM
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: AUTO SC LLC
Owner/operator address: 3475 PECK RD
EL MONTE, CA 91731
Owner/operator country: Not reported
Owner/operator telephone: 626-277-0022
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: GERRY ENDERS
Owner/operator address: 3475 PECK RD
EL MONTE, CA 91731
Owner/operator country: Not reported
Owner/operator telephone: 626-277-0022
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator

AUTO SQUARE COLLISION CENTERS (Continued) **1024808943**

Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

K51 **AUTO SQUARE COLLISION CENTERS** **CERS HAZ WASTE** **S113132088**
NW **140 E SAINT JOSEPH ST** **HAZNET** **N/A**
1/8-1/4 **ARCADIA, CA 91006** **CERS**
0.207 mi.
1094 ft. **Site 5 of 6 in cluster K**

Relative:
Higher

Actual:
496 ft.

CERS HAZ WASTE:
Name: AUTOSQUARE COLLISION CENTER
Address: 140 E SAINT JOSEPH ST
City,State,Zip: ARCADIA, CA 91006
Site ID: 9831
CERS ID: 10267399
CERS Description: Hazardous Waste Generator

HAZNET:
Name: AUTO SQUARE COLLISION CENTERS
Address: 140 E SAINT JOSEPH ST
City,State,Zip: ARCADIA, CA 910062851
Year: 2011
GEPAID: CAL000282425
Contact: GERRY ENDERS
Telephone: 6262770022
Mailing Name: Not reported
Mailing Address: 140 E SAINT JOSEPH ST
Mailing City,St,Zip: ARCADIA, CA 910062851
Gen County: Los Angeles
TSD EPA ID: CAD008252405
TSD County: Los Angeles
Tons: 0.0576
CA Waste Code: 214-Unspecified solvent mixture
Method: H061-Fuel Blending Prior To Energy Recovery At Another Site
Facility County: Los Angeles

Name: AUTO SQUARE COLLISION CENTERS
Address: 140 E SAINT JOSEPH ST
City,State,Zip: ARCADIA, CA 910062851

AUTO SQUARE COLLISION CENTERS (Continued) **S113132088**

Year: 2011
GEPAID: CAL000282425
Contact: GERRY ENDERS
Telephone: 6262770022
Mailing Name: Not reported
Mailing Address: 140 E SAINT JOSEPH ST
Mailing City,St,Zip: ARCADIA, CA 910062851
Gen County: Los Angeles
TSD EPA ID: CAD008252405
TSD County: Los Angeles
Tons: 0.01251
CA Waste Code: 133-Aqueous solution with total organic residues 10 percent or more
Method: H061-Fuel Blending Prior To Energy Recovery At Another Site
Facility County: Los Angeles

Name: AUTO SQUARE COLLISION CENTERS
Address: 140 E SAINT JOSEPH ST
City,State,Zip: ARCADIA, CA 910062851
Year: 2010
GEPAID: CAL000282425
Contact: GERRY ENDERS
Telephone: 6262770022
Mailing Name: Not reported
Mailing Address: 140 E SAINT JOSEPH ST
Mailing City,St,Zip: ARCADIA, CA 910062851
Gen County: Los Angeles
TSD EPA ID: CAD008252405
TSD County: Los Angeles
Tons: 0.4587
CA Waste Code: 133-Aqueous solution with total organic residues 10 percent or more
Method: H061-Fuel Blending Prior To Energy Recovery At Another Site
Facility County: Los Angeles

Name: AUTO SQUARE COLLISION CENTERS
Address: 140 E SAINT JOSEPH ST
City,State,Zip: ARCADIA, CA 910062851
Year: 2009
GEPAID: CAL000282425
Contact: GERRY ENDERS
Telephone: 6262770022
Mailing Name: Not reported
Mailing Address: 140 E SAINT JOSEPH ST
Mailing City,St,Zip: ARCADIA, CA 910062851
Gen County: Los Angeles
TSD EPA ID: CAD008252405
TSD County: Los Angeles
Tons: 0.22935
CA Waste Code: 133-Aqueous solution with total organic residues 10 percent or more
Method: H061-Fuel Blending Prior To Energy Recovery At Another Site
Facility County: Los Angeles

Name: AUTO SQUARE COLLISION CENTERS
Address: 140 E SAINT JOSEPH ST
City,State,Zip: ARCADIA, CA 910062851
Year: 2008
GEPAID: CAL000282425
Contact: GERRY ENDERS

AUTO SQUARE COLLISION CENTERS (Continued) **S113132088**

Telephone: 6262770022
Mailing Name: Not reported
Mailing Address: 140 E SAINT JOSEPH ST
Mailing City,St,Zip: ARCADIA, CA 910062851
Gen County: Los Angeles
TSD EPA ID: CAD008252405
TSD County: Los Angeles
Tons: 0.22935
CA Waste Code: 133-Aqueous solution with total organic residues 10 percent or more
Method: H061-Fuel Blending Prior To Energy Recovery At Another Site
Facility County: Los Angeles

Click this hyperlink while viewing on your computer to access
2 additional CA_HAZNET: record(s) in the EDR Site Report.

CERS:
Name: AUTOSQUARE COLLISION CENTER
Address: 140 E SAINT JOSEPH ST
City,State,Zip: ARCADIA, CA 91006
Site ID: 9831
CERS ID: 10267399
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 9831
Site Name: AUTOSQUARE COLLISION CENTER
Violation Date: 04-02-2014
Citation: HSC 6.95 25505(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)
Violation Description: Owner/Operator failed to complete and/or submit a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet.
Violation Notes: Returned to compliance on 05/09/2014. OBSERVATION: Owner/Operator failed to complete and/or submit a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet. CORRECTIVE ACTION: Complete and/or submit a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet.
Violation Division: Los Angeles County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-02-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-02-2014
Violations Found: Yes
Eval Type: Routine done by local agency

AUTO SQUARE COLLISION CENTERS (Continued) **S113132088**

Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 04-08-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-20-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-20-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Joey Mekhjian
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 05-09-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Enforcement Action:
Site ID: 9831
Site Name: AUTOSQUARE COLLISION CENTER
Site Address: 140 E SAINT JOSEPH ST
Site City: ARCADIA
Site Zip: 91006
Enf Action Date: 04-02-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Los Angeles County Fire Department
Enf Action Program: HMRRP
Enf Action Source: CERS

Affiliation:

AUTO SQUARE COLLISION CENTERS (Continued) **S113132088**

Affiliation Type Desc:	Identification Signer
Entity Name:	Gerald Enders
Entity Title:	Owner
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Parent Corporation
Entity Name:	AUTOSQUARE COLLISION CENTER
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Environmental Contact
Entity Name:	Gerry Enders
Entity Title:	Not reported
Affiliation Address:	140 E. Saint Joseph St.
Affiliation City:	Arcadia
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91006
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	Auto SQ LLC
Entity Title:	Not reported
Affiliation Address:	140 E. Saint Joseph St.
Affiliation City:	Arcadia
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91006
Affiliation Phone:	(626) 821-8669

Affiliation Type Desc:	Operator
Entity Name:	Gerald Enders
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(626) 821-8669

Affiliation Type Desc:	Document Preparer
Entity Name:	Luke Ginger, Celly Services, Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported

AUTO SQUARE COLLISION CENTERS (Continued) **S113132088**

Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	CUPA District
Entity Name:	Los Angeles County Fire
Entity Title:	Not reported
Affiliation Address:	5825 Rickenbacker Road
Affiliation City:	Commerce
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90040-3027
Affiliation Phone:	(323) 890-4045
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	140 E. Saint Joseph St.
Affiliation City:	Arcadia
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91006
Affiliation Phone:	Not reported

K52 **L&L MOTORSPORTS INC** **RCRA NonGen / NLR** **1024833342**
NW **136 E SAINT JOSEPH ST STE C** **CAL000372492**
1/8-1/4 **ARCADIA, CA 91006**
0.215 mi.
1134 ft. **Site 6 of 6 in cluster K**

Relative:
Higher

Actual:
497 ft.

RCRA NonGen / NLR:

Date form received by agency:	03/08/2012
Facility name:	L&L MOTORSPORTS INC
Facility address:	136 E SAINT JOSEPH ST STE C ARCADIA, CA 91006-7153
EPA ID:	CAL000372492
Contact:	LYON KING
Contact address:	136 E SAINT JOSEPH ST STE C ARCADIA, CA 91006
Contact country:	Not reported
Contact telephone:	626-513-8404
Contact email:	LYON.F.KING@GMAIL.COM
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	LYON KING
Owner/operator address:	136 E SAINT JOSEPH ST STE C ARCADIA, CA 91006
Owner/operator country:	Not reported
Owner/operator telephone:	626-513-8404
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Operator

L&L MOTORSPORTS INC (Continued) **1024833342**

Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: L&L MOTORSPORTS INC
Owner/operator address: 136 E SAINT JOSEPH ST STE C
ARCADIA, CA 91006
Owner/operator country: Not reported
Owner/operator telephone: 626-513-8404
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

M53 **CHEVRON SERVICE STATION #9-1293** **LUST** **S121132514**
WSW **102 HUNTINGTON DR E** **Cortese** **N/A**
1/8-1/4 **ARCADIA, CA 91006** **CERS**
0.217 mi.
1147 ft. **Site 1 of 5 in cluster M**

Relative: **Higher**
Actual: **483 ft.**

LUST:
Name: CHEVRON SERVICE STATION #9-1293
Address: 102 HUNTINGTON DR E
City,State,Zip: ARCADIA, CA 91006
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000010447
Global Id: T10000010447
Latitude: 34.1398302329834
Longitude: -118.028026063824
Status: Open - Site Assessment
Status Date: 06/27/2017
Case Worker: NB
RB Case Number: R-09926
Local Agency: Not reported
File Location: Not reported
Local Case Number: Not reported

CHEVRON SERVICE STATION #9-1293 (Continued) **S121132514**

Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T10000010447
Contact Type: Regional Board Caseworker
Contact Name: NHAN BAO
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 WEST 4TH STREET, SUITE 200
City: LOS ANGELES
Email: nbao@waterboards.ca.gov
Phone Number: 2135766703

LUST:
Global Id: T10000010447
Action Type: ENFORCEMENT
Date: 03/08/2019
Action: Staff Letter

Global Id: T10000010447
Action Type: Other
Date: 06/05/2017
Action: Leak Began

Global Id: T10000010447
Action Type: RESPONSE
Date: 04/08/2019
Action: Soil and Water Investigation Workplan

Global Id: T10000010447
Action Type: Other
Date: 06/05/2017
Action: Leak Discovery

Global Id: T10000010447
Action Type: RESPONSE
Date: 08/27/2017
Action: Other Report / Document

Global Id: T10000010447
Action Type: REMEDIATION
Date: 06/01/1996
Action: Excavation

Global Id: T10000010447
Action Type: ENFORCEMENT
Date: 06/05/2017
Action: Referral to Regional Board

Global Id: T10000010447
Action Type: Other
Date: 06/05/2017
Action: Leak Reported

Global Id: T10000010447
Action Type: ENFORCEMENT

CHEVRON SERVICE STATION #9-1293 (Continued) **S121132514**

Date: 06/27/2017
Action: Staff Letter

Global Id: T10000010447
Action Type: ENFORCEMENT
Date: 08/01/2017
Action: Staff Letter

LUST:
Global Id: T10000010447
Status: Open - Case Begin Date
Status Date: 06/05/2017

Global Id: T10000010447
Status: Open - Inactive
Status Date: 06/05/2017

Global Id: T10000010447
Status: Pending Review
Status Date: 06/07/2017

Global Id: T10000010447
Status: Open - Site Assessment
Status Date: 06/27/2017

CORTESE:
Name: CHEVRON SERVICE STATION #9-1293
Address: 102 HUNTINGTON DR E
City,State,Zip: ARCADIA, CA 91006
Region: CORTESE
Envirostor Id: Not reported
Global ID: T10000010447
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: OPEN - SITE ASSESSMENT
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

CERS:
Name: CHEVRON SERVICE STATION #9-1293
Address: 102 HUNTINGTON DR E
City,State,Zip: ARCADIA, CA 91006

CHEVRON SERVICE STATION #9-1293 (Continued) **S121132514**

Site ID: 423347
CERS ID: T10000010447
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: NHAN BAO - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 WEST 4TH STREET, SUITE 200
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 2135766703

L54 **TUNE UP MASTERS SHOP** **LUST** **S102439301**
East **915 HUNTINGTON DR E** **HIST CORTESE** **N/A**
1/8-1/4 **MONROVIA, CA 91016** **CERS**
0.222 mi.
1171 ft. **Site 3 of 3 in cluster L**

Relative: **Lower**
Actual: **469 ft.**

LUST:
Name: TUNE UP MASTERS SHOP
Address: 915 HUNTINGTON DR E
City,State,Zip: MONROVIA, CA 91016
Lead Agency: LOS ANGELES COUNTY
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603704336
Global Id: T0603704336
Latitude: 34.1395961
Longitude: -117.9854763
Status: Completed - Case Closed
Status Date: 04/07/1993
Case Worker: JOA
RB Case Number: I-15624
Local Agency: LOS ANGELES COUNTY
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
Site History: Not reported

LUST:
Global Id: T0603704336
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: jawujo@dpw.lacounty.gov
Phone Number: 6264583507

Global Id: T0603704336
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles

TUNE UP MASTERS SHOP (Continued) **S102439301**

Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603704336
Action Type: Other
Date: 08/20/1990
Action: Leak Discovery

Global Id: T0603704336
Action Type: Other
Date: 08/20/1990
Action: Leak Stopped

Global Id: T0603704336
Action Type: Other
Date: 09/18/1990
Action: Leak Reported

LUST:
Global Id: T0603704336
Status: Open - Case Begin Date
Status Date: 08/20/1990

Global Id: T0603704336
Status: Open - Remediation
Status Date: 08/02/1992

Global Id: T0603704336
Status: Completed - Case Closed
Status Date: 04/07/1993

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: I-15624
Status: Case Closed
Substance: Waste Oil
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603704336
W Global ID: Not reported
Staff: UNK
Local Agency: 19000
Cross Street: MYRTLE AVE.
Enforcement Type: 222
Date Leak Discovered: 8/20/1990
Date Leak First Reported: 9/18/1990
Date Leak Record Entered: 12/4/1990
Date Confirmation Began: Not reported
Date Leak Stopped: 8/20/1990
Date Case Last Changed on Database: 4/7/1993

TUNE UP MASTERS SHOP (Continued) **S102439301**

Date the Case was Closed:		4/7/1993
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	COFFEY, DON	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		2641.1001627803894145731151445
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		8/2/1992
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		1/1/1965
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	TUNE UP MASTERS, INC.	
RP Address:	2001 CORPORATE CENTER DR., NEWBURY PARK, 91320	
Program:	LUST	
Lat/Long:	34.1397069 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	Not reported	

HIST CORTESE:

edr_fname:	TUNE UP MASTERS SHOP
edr_fadd1:	915 HUNTINGTON
City,State,Zip:	MONROVIA, CA 91016
Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	I-15624

CERS:

Name:	TUNE UP MASTERS SHOP
Address:	915 HUNTINGTON DR E
City,State,Zip:	MONROVIA, CA 91016
Site ID:	248128
CERS ID:	T0603704336
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	JOHN AWUJO - LOS ANGELES COUNTY

TUNE UP MASTERS SHOP (Continued) **S102439301**

Entity Title:	Not reported
Affiliation Address:	900 S FREMONT AVE
Affiliation City:	ALHAMBRA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	6264583507
Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	320 W. 4TH ST., SUITE 200
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

M55 **HUNTINGTON FUEL INC** **RCRA NonGen / NLR** **1024874172**
WSW **102 E HUNTINGTON DR** **CAL000442827**
1/8-1/4 **ARCADIA, CA 91006**
0.222 mi.
1172 ft. **Site 2 of 5 in cluster M**

Relative:
Higher

Actual:
483 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/29/2019
Facility name:	HUNTINGTON FUEL INC
Facility address:	102 E HUNTINGTON DR ARCADIA, CA 91006
EPA ID:	CAL000442827
Contact:	GULLIANI DEEPAK
Contact address:	102 E HUNTINGTON DR ARCADIA, CA 91006
Contact country:	Not reported
Contact telephone:	626-757-9747
Contact email:	Not reported
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	HUNTINGTON FUEL INC
Owner/operator address:	102 E HUNTINGTON DR ARCADIA, CA 91006
Owner/operator country:	Not reported
Owner/operator telephone:	626-294-9449
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported
Owner/operator name:	GULLIANI DEEPAK
Owner/operator address:	102 E HUNTINGTON DR

HUNTINGTON FUEL INC (Continued) **1024874172**

ARCADIA, CA 91006
Owner/operator country: Not reported
Owner/operator telephone: 626-757-9747
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

M56 **CHEVRON USA SS 091293** **UST** **U003776415**
WSW **102 E HUNTINGTON DR** **N/A**
1/8-1/4 **ARCADIA, CA 91006**
0.222 mi.
1172 ft. **Site 3 of 5 in cluster M**

Relative: Higher
Actual: 483 ft.

UST:
Name: CHEVRON USA SS 091293
Address: 102 E HUNTINGTON DR
City,State,Zip: ARCADIA, CA 91006
Facility ID: 9926
Permitting Agency: LOS ANGELES COUNTY
Latitude: 34.1409781
Longitude: -118.026568

Name: PROPEL FUELS, INC. (206008)
Address: 102 E HUNTINGTON DR STE B
City,State,Zip: ARCADIA, CA 91006
Facility ID: LACoFA0044560
Permitting Agency: Los Angeles County Fire Department
Latitude: 34.139771
Longitude: -118.027939

Name: HUNTINGTON FUEL, INC.
Address: 102 E HUNTINGTON DR
City,State,Zip: ARCADIA, CA 91006
Facility ID: LACoFA0014069
Permitting Agency: Los Angeles County Fire Department

CHEVRON USA SS 091293 (Continued) **U003776415**

Latitude: 34.13977
Longitude: -118.02793

M57 **MACKS CHEVRON/ C/O MACK SATERI** **CERS HAZ WASTE** **U001566413**
WSW **102 E HUNTINGTON** **SWEEPS UST** **N/A**
1/8-1/4 **ARCADIA, CA 91006** **HIST UST**
0.222 mi. **CERS TANKS**
1172 ft. **Site 4 of 5 in cluster M** **HAZNET**
CERS

Relative:
Higher

Actual:
483 ft.

CERS HAZ WASTE:
Name: HUNTINGTON FUEL, INC.
Address: 102 E HUNTINGTON DR
City,State,Zip: ARCADIA, CA 91006
Site ID: 6471
CERS ID: 10285324
CERS Description: Hazardous Waste Generator

Name: PROPEL FUELS, INC. (206008)
Address: 102 E HUNTINGTON DR STE B
City,State,Zip: ARCADIA, CA 91006
Site ID: 145201
CERS ID: 10125061
CERS Description: Hazardous Waste Generator

SWEEPS UST:
Name: MACKS CHEVRON/ C/O MACK SATERI
Address: 102 E HUNTINGTON
City: ARCADIA
Status: Not reported
Comp Number: 9926
Number: Not reported
Board Of Equalization: 44-008652
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-009926-000001
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: 4

Name: MACKS CHEVRON/ C/O MACK SATERI
Address: 102 E HUNTINGTON
City: ARCADIA
Status: Not reported
Comp Number: 9926
Number: Not reported
Board Of Equalization: 44-008652
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported

MACKS CHEVRON/ C/O MACK SATERI (Continued) **U001566413**

SWRCB Tank Id: 19-000-009926-000002
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: LEADED
Number Of Tanks: Not reported

Name: MACKS CHEVRON/ C/O MACK SATERI
Address: 102 E HUNTINGTON
City: ARCADIA
Status: Not reported
Comp Number: 9926
Number: Not reported
Board Of Equalization: 44-008652
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-009926-000003
Tank Status: Not reported
Capacity: 5000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: Not reported

Name: MACKS CHEVRON/ C/O MACK SATERI
Address: 102 E HUNTINGTON
City: ARCADIA
Status: Not reported
Comp Number: 9926
Number: Not reported
Board Of Equalization: 44-008652
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-009926-000004
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: OIL
STG: WASTE
Content: Not reported
Number Of Tanks: Not reported

HIST UST:
Name: 91293
Address: 102 E HUNTINGTON DR
City,State,Zip: ARCADIA, CA 91006
File Number: 00026C5D
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00026C5D.pdf
Region: STATE
Facility ID: 00000062023

MACKS CHEVRON/ C/O MACK SATERI (Continued) **U001566413**

Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	SATERI,MOHAMMAD
Telephone:	8184467423
Owner Name:	CHEVRON U.S.A. INC.
Owner Address:	575 MARKET
Owner City,St,Zip:	SAN FRANCISCO, CA 94105
Total Tanks:	0004
Tank Num:	001
Container Num:	1
Year Installed:	1971
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	0000250
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	2
Year Installed:	1971
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	0000250
Leak Detection:	Stock Inventor
Tank Num:	003
Container Num:	3
Year Installed:	1971
Tank Capacity:	00005000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	0000250
Leak Detection:	Stock Inventor
Tank Num:	004
Container Num:	4
Year Installed:	1971
Tank Capacity:	00001000
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	0000130
Leak Detection:	Stock Inventor

Click here for Geo Tracker PDF:

CERS TANKS:

Name:	PROPEL FUELS, INC. (206008)
Address:	102 E HUNTINGTON DR STE B
City,State,Zip:	ARCADIA, CA 91006
Site ID:	145201
CERS ID:	10125061
CERS Description:	Underground Storage Tank
Name:	HUNTINGTON FUEL, INC.
Address:	102 E HUNTINGTON DR

MACKS CHEVRON/ C/O MACK SATERI (Continued) **U001566413**

City,State,Zip: ARCADIA, CA 91006
Site ID: 6471
CERS ID: 10285324
CERS Description: Underground Storage Tank

HAZNET:
Name: PROPEL FUELS (206008)
Address: 102 E HUNTINGTON DR
City,State,Zip: ARCADIA, CA 910063211
Year: 2013
GEPAID: CAL000362636
Contact: ANDREW WEBER
Telephone: 8008710773
Mailing Name: Not reported
Mailing Address: 2496 TECHNOLOGY DR
Mailing City,St,Zip: ELGIN, IL 601240000
Gen County: Los Angeles
TSD EPA ID: CAD982444481
TSD County: San Bernardino
Tons: 0.31275
CA Waste Code: 223-Unspecified oil-containing waste
Method: H141-Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: Los Angeles

CERS:
Name: HUNTINGTON FUEL, INC.
Address: 102 E HUNTINGTON DR
City,State,Zip: ARCADIA, CA 91006
Site ID: 6471
CERS ID: 10285324
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 6471
Site Name: Huntington Fuel, Inc.
Violation Date: 03-10-2016
Citation: HSC 6.7 25291(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25291(e)
Violation Description: Failure to remove, contain, analyze, and dispose of properly, water removed from the secondary containment by the owner or operator.
Violation Notes: Returned to compliance on 03/07/2017.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 6471
Site Name: Huntington Fuel, Inc.
Violation Date: 08-15-2018
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to have current UST Monitoring Plan available on site.
Violation Notes: Not reported
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

MACKS CHEVRON/ C/O MACK SATERI (Continued) **U001566413**

Site ID:	6471
Site Name:	Huntington Fuel, Inc.
Violation Date:	08-15-2018
Citation:	HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Description:	Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes:	Not reported
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS

Site ID:	6471
Site Name:	Huntington Fuel, Inc.
Violation Date:	03-06-2018
Citation:	23 CCR 16 2712 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712
Violation Description:	Failure to comply with any of the applicable requirements of the permit issued for the operation of the UST system.
Violation Notes:	Returned to compliance on 06/17/2019.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS

Site ID:	6471
Site Name:	Huntington Fuel, Inc.
Violation Date:	08-15-2018
Citation:	23 CCR 16 2712(i), 2632(d)(2), 2634(e), 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i), 2632(d)(2), 2634(e), 2641(h)
Violation Description:	Failure to submit a current UST Response Plan available on site.
Violation Notes:	Not reported
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS

Site ID:	6471
Site Name:	Huntington Fuel, Inc.
Violation Date:	03-06-2018
Citation:	23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description:	Failure to have an approved UST Monitoring Plan.
Violation Notes:	Returned to compliance on 06/17/2019.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS

Site ID:	6471
Site Name:	Huntington Fuel, Inc.
Violation Date:	08-15-2018
Citation:	23 CCR 16 2665 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665
Violation Description:	Failure to comply with one or more of the following: Failure to install or maintain a liquid-tight spill bucket. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill bucket/spill container. Be resistant to galvanic corrosion.

MACKS CHEVRON/ C/O MACK SATERI (Continued) **U001566413**

Violation Notes:	Not reported
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	6471
Site Name:	Huntington Fuel, Inc.
Violation Date:	03-06-2018
Citation:	23 CCR 16 2712(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(f)
Violation Description:	Failure to implement the corrections specified in the inspection report within 30 calendar days of receiving an inspection report from either the UPA or special inspector.
Violation Notes:	Returned to compliance on 06/17/2019.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	6471
Site Name:	Huntington Fuel, Inc.
Violation Date:	06-28-2017
Citation:	22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description:	Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.
Violation Notes:	Returned to compliance on 09/21/2017. OBSERVATION: Uniform Hazardous Waste Manifests for last 3 years were not available at the time of inspection. CORRECTIVE ACTION: Locate a copy of all manifests for waste oily sludge and used fuel filters and submit copies to the CUPA.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	6471
Site Name:	Huntington Fuel, Inc.
Violation Date:	03-01-2017
Citation:	23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)
Violation Description:	Failure to notify the CUPA of the designated operator (DO) identification and/or change of the DO within 30 days.
Violation Notes:	Returned to compliance on 09/27/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	6471
Site Name:	Huntington Fuel, Inc.
Violation Date:	03-10-2016
Citation:	HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2
Violation Description:	Failure to test the spill bucket annually.
Violation Notes:	Returned to compliance on 03/07/2017.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST

MACKS CHEVRON/ C/O MACK SATERI (Continued) **U001566413**

Violation Source: CERS

Site ID: 6471
Site Name: Huntington Fuel, Inc.
Violation Date: 03-01-2017
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 09/27/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 6471
Site Name: Huntington Fuel, Inc.
Violation Date: 08-15-2018
Citation: 23 CCR 16 2632(c)(2)(B), 2634(d)(1)(a), 2636(f)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632(c)(2)(B), 2634(d)(1)(a), 2636(f)(1)
Violation Description: Failure of the leak detection equipment to have an audible and visual alarm as required.
Violation Notes: Not reported
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 6471
Site Name: Huntington Fuel, Inc.
Violation Date: 03-06-2018
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 06/17/2019.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 6471
Site Name: Huntington Fuel, Inc.
Violation Date: 03-10-2016
Citation: 23 CCR 16 2712(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)
Violation Description: Failure to maintain leak detection alarm logs and/or maintain records of appropriate follow-up actions
Violation Notes: Returned to compliance on 03/07/2017.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 6471
Site Name: Huntington Fuel, Inc.
Violation Date: 03-06-2018
Citation: 23 CCR 16 2665 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665
Violation Description: Failure of the overfill prevention system to meet one of the following

MACKS CHEVRON/ C/O MACK SATERI (Continued) **U001566413**

requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling.

Violation Notes: Returned to compliance on 06/17/2019.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 6471
Site Name: Huntington Fuel, Inc.
Violation Date: 03-10-2016
Citation: 23 CCR 16 2715(d) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(d)
Violation Description: Failure to notify the owner or operator of any condition discovered during the monthly visual inspection that may require follow-up actions.
Violation Notes: Returned to compliance on 03/07/2017.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 6471
Site Name: Huntington Fuel, Inc.
Violation Date: 03-10-2016
Citation: HSC 6.7 25291 - California Health and Safety Code, Chapter 6.7, Section(s) 25291
Violation Description: Failure to maintain under-dispenser containment, sumps, and/or other secondary containment in good condition and/or free of debris/liquid.
Violation Notes: Returned to compliance on 03/07/2017.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 6471
Site Name: Huntington Fuel, Inc.
Violation Date: 03-10-2016
Citation: 23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)
Violation Description: Failure to submit statement of UST compliance and/or Designated Operator certification.
Violation Notes: Returned to compliance on 03/07/2017.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 6471
Site Name: Huntington Fuel, Inc.
Violation Date: 03-10-2016
Citation: 23 CCR 16 2711(a)(8) - California Code of Regulations, Title 23,

MACKS CHEVRON/ C/O MACK SATERI (Continued) **U001566413**

Chapter 16, Section(s) 2711(a)(8)
Violation Description: Failure to submit, obtain approval, or maintain a complete/accurate plot plan.
Violation Notes: Returned to compliance on 03/07/2017.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 6471
Site Name: Huntington Fuel, Inc.
Violation Date: 08-15-2018
Citation: 23 CCR 16 2715(c) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)
Violation Description: Failure to comply with one or more of the following designated operator (DO) monthly inspection requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(f)(2).
Violation Notes: Not reported
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 6471
Site Name: Huntington Fuel, Inc.
Violation Date: 03-06-2018
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to retain a copy of the permit to operate at the facility.
Violation Notes: Returned to compliance on 06/17/2019.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 6471
Site Name: Huntington Fuel, Inc.
Violation Date: 08-15-2018
Citation: 23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description: Failure to have an approved UST Monitoring Plan.
Violation Notes: Not reported
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 6471
Site Name: Huntington Fuel, Inc.
Violation Date: 08-15-2018
Citation: HSC 6.7 25290.1(c)(3),25290.2(c)(3) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c)(3),25290.2(c)(3)
Violation Description: Failure to keep water out of the secondary containment of UST systems

MACKS CHEVRON/ C/O MACK SATERI (Continued) **U001566413**

installed on or after July 1, 2003.
Violation Notes: Not reported
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 6471
Site Name: Huntington Fuel, Inc.
Violation Date: 03-06-2018
Citation: 23 CCR 16 2715(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(i)
Violation Description: Failure to have a properly qualified service technician test leak detection equipment as required every 12 months (vapor, pressure, hydrostatic (VPH) system, sensors, line-leak detectors (LLD), automatic tank gauge (ATG), etc.).
Violation Notes: Returned to compliance on 06/17/2019.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 6471
Site Name: Huntington Fuel, Inc.
Violation Date: 03-06-2018
Citation: HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2
Violation Description: Failure to test the spill bucket annually.
Violation Notes: Returned to compliance on 06/17/2019.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 6471
Site Name: Huntington Fuel, Inc.
Violation Date: 03-06-2018
Citation: HSC 6.7 25290.1(c)(3),25290.2(c)(3) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c)(3),25290.2(c)(3)
Violation Description: Failure to keep water out of the secondary containment of UST systems installed on or after July 1, 2003.
Violation Notes: Returned to compliance on 06/17/2019.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 6471
Site Name: Huntington Fuel, Inc.
Violation Date: 03-10-2016
Citation: 23 CCR 16 2715 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715
Violation Description: The owner/operator has failed to comply with one or more of the following: to maintain a copy of the designated operator monthly inspections for the last 12 months and/or maintain a list of trained employees on-site or off-site at a readily available location, if approved by the CUPA.
Violation Notes: Returned to compliance on 03/07/2017.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

MACKS CHEVRON/ C/O MACK SATERI (Continued) **U001566413**

Site ID:	6471
Site Name:	Huntington Fuel, Inc.
Violation Date:	03-10-2016
Citation:	23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description:	Failure to submit, obtain approval, or maintain a complete/accurate response plan.
Violation Notes:	Returned to compliance on 03/07/2017.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS

Site ID:	6471
Site Name:	Huntington Fuel, Inc.
Violation Date:	08-15-2018
Citation:	23 CCR 16 2712(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)
Violation Description:	Failure to maintain monitoring and maintenance records and/or maintain records of appropriate follow-up actions.
Violation Notes:	Not reported
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS

Site ID:	6471
Site Name:	Huntington Fuel, Inc.
Violation Date:	08-15-2018
Citation:	HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description:	Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes:	Not reported
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS

Site ID:	6471
Site Name:	Huntington Fuel, Inc.
Violation Date:	03-10-2016
Citation:	HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description:	Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes:	Returned to compliance on 03/07/2017.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS

Site ID:	6471
Site Name:	Huntington Fuel, Inc.
Violation Date:	03-10-2016
Citation:	HSC 6.7 25284(a)(3) - California Health and Safety Code, Chapter 6.7, Section(s) 25284(a)(3)
Violation Description:	Failure to submit, maintain, or implement an owner/operator written agreement.
Violation Notes:	Returned to compliance on 03/07/2017.
Violation Division:	Los Angeles County Department of Public Works

MACKS CHEVRON/ C/O MACK SATERI (Continued) **U001566413**

Violation Program: UST
Violation Source: CERS

Site ID: 6471
Site Name: Huntington Fuel, Inc.
Violation Date: 03-10-2016
Citation: HSC 6.7 25284 - California Health and Safety Code, Chapter 6.7, Section(s) 25284
Violation Description: Failure to obtain and maintain a valid operation permit from the CUPA.
Violation Notes: Returned to compliance on 03/07/2017.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 6471
Site Name: Huntington Fuel, Inc.
Violation Date: 03-10-2016
Citation: 23 CCR 16 2715 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715
Violation Description: Failure to comply with one or more of the designated operator monthly inspection requirements: failed to inspect the monthly alarm history report; attach a copy of the alarm history; failed to inspect for the presence of liquid or debris in the spill container/spill bucket and under dispenser containment; failed to inspect the under dispenser containment to ensure that monitoring equipment is placed in the proper position; failure to inspect for liquid or debris in the containment sump where an alarm occurred or for which there is no record of a service visit; or failure to check that all testing and maintenance has been completed and documented.
Violation Notes: Returned to compliance on 03/07/2017.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 6471
Site Name: Huntington Fuel, Inc.
Violation Date: 03-10-2016
Citation: 23 CCR 16 2641(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(a)
Violation Description: Failure of sensor to be located in the proper position/location.
Violation Notes: Returned to compliance on 03/07/2017.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 6471
Site Name: Huntington Fuel, Inc.
Violation Date: 08-15-2018
Citation: 23 CCR 16 2712(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(f)
Violation Description: Failure to implement the corrections specified in the inspection report within 30 calendar days of receiving an inspection report from either the UPA or special inspector.
Violation Notes: Not reported
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

MACKS CHEVRON/ C/O MACK SATERI (Continued) **U001566413**

Site ID:	6471
Site Name:	Huntington Fuel, Inc.
Violation Date:	03-10-2016
Citation:	23 CCR 16 2715(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(f)
Violation Description:	Failure to comply with one or more of the following: provide training to facility employee(s) responsible for proper operation and maintenance every 12 months and/or train new employee(s) who are responsible for proper operation and maintenance within 30-days of hire and/or to have at least one employee present during operating hours that has been trained in the proper operation and maintenance of the UST system.
Violation Notes:	Returned to compliance on 03/07/2017.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS

Site ID:	6471
Site Name:	Huntington Fuel, Inc.
Violation Date:	03-10-2016
Citation:	HSC 6.7 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25286
Violation Description:	Failure to obtain and maintain a valid Board of Equalization account number.
Violation Notes:	Returned to compliance on 03/07/2017.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS

Site ID:	6471
Site Name:	Huntington Fuel, Inc.
Violation Date:	03-10-2016
Citation:	23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)
Violation Description:	The owner/operator has failed to designate an UST operator or to inform the CUPA or any change in the designated UST operator(s) within 30 days after a change.
Violation Notes:	Returned to compliance on 03/07/2017.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS

Site ID:	6471
Site Name:	Huntington Fuel, Inc.
Violation Date:	03-06-2018
Citation:	23 CCR 16 2638(d) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638(d)
Violation Description:	Failure to submit the Annual Monitoring System Certification Form to the UPA within 30 days of completion of the test.
Violation Notes:	Returned to compliance on 06/17/2019.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS

Site ID:	6471
Site Name:	Huntington Fuel, Inc.
Violation Date:	03-10-2016

MACKS CHEVRON/ C/O MACK SATERI (Continued) **U001566413**

Citation: HSC 6.7 25299 - California Health and Safety Code, Chapter 6.7, Section(s) 25299
Violation Description: Failure to comply with one or more of the operating permit conditions.
Violation Notes: Returned to compliance on 03/07/2017.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 6471
Site Name: Huntington Fuel, Inc.
Violation Date: 03-06-2018
Citation: 23 CCR 16 2715(c) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)
Violation Description: Failure to comply with one or more of the following designated operator (DO) monthly inspection requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(f)(2).
Violation Notes: Returned to compliance on 06/17/2019.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 6471
Site Name: Huntington Fuel, Inc.
Violation Date: 08-15-2018
Citation: 23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description: Failure to have an approved UST Response Plan.
Violation Notes: Not reported
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 6471
Site Name: Huntington Fuel, Inc.
Violation Date: 03-06-2018
Citation: HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Description: Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes: Returned to compliance on 06/17/2019.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 6471
Site Name: Huntington Fuel, Inc.
Violation Date: 08-15-2018
Citation: 23 CCR 16 2635(c)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2635(c)(8)

MACKS CHEVRON/ C/O MACK SATERI (Continued) **U001566413**

Violation Description: Failure to submit as-built plans for the location and orientation of the tanks and appurtenant piping systems for new installations and/or with the permit application.
Violation Notes: Not reported
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 6471
Site Name: Huntington Fuel, Inc.
Violation Date: 03-06-2018
Citation: HSC 6.7 25284 - California Health and Safety Code, Chapter 6.7, Section(s) 25284
Violation Description: Failure to obtain a valid permit to operate from the UPA including but not limited to unpaid permit fees.
Violation Notes: Returned to compliance on 06/17/2019.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 6471
Site Name: Huntington Fuel, Inc.
Violation Date: 03-10-2016
Citation: HSC 6.7 25286(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25286(a)
Violation Description: Failure to submit an complete and accurate application for a permit to operate an underground storage tank, or for renewal of the permit.
Violation Notes: Returned to compliance on 03/07/2017.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 6471
Site Name: Huntington Fuel, Inc.
Violation Date: 08-15-2018
Citation: 23 CCR 16 2712(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)
Violation Description: Failure to maintain records of repairs, lining, and upgrades on site, or off site if approved by the UPA, for the life of the UST.
Violation Notes: Not reported
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 6471
Site Name: Huntington Fuel, Inc.
Violation Date: 08-15-2018
Citation: 23 CCR 16 2712 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712
Violation Description: Failure to comply with any of the applicable requirements of the permit issued for the operation of the UST system.
Violation Notes: Not reported
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 6471

MACKS CHEVRON/ C/O MACK SATERI (Continued) **U001566413**

Site Name:	Huntington Fuel, Inc.
Violation Date:	03-10-2016
Citation:	23 CCR 16 2715(c)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)(2)
Violation Description:	Failure to comply with one or more of the following: maintain the spill bucket in good condition, containment free of debris/liquid, and/or to remove the contents of the spill bucket when a release/leak/spill was observed.
Violation Notes:	Returned to compliance on 03/07/2017.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS

Site ID:	6471
Site Name:	Huntington Fuel, Inc.
Violation Date:	03-10-2016
Citation:	23 CCR 16 2712 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712
Violation Description:	Failure to obtain permit to install, replace, repair, or modify part of the UST system containment or leak detection equipment.
Violation Notes:	Returned to compliance on 03/07/2017.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS

Site ID:	6471
Site Name:	Huntington Fuel, Inc.
Violation Date:	08-15-2018
Citation:	HSC 6.7 25284 - California Health and Safety Code, Chapter 6.7, Section(s) 25284
Violation Description:	Failure to obtain a valid permit to operate from the UPA including but not limited to unpaid permit fees.
Violation Notes:	Not reported
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS

Site ID:	6471
Site Name:	Huntington Fuel, Inc.
Violation Date:	03-01-2017
Citation:	23 CCR 6.7 25284, 25286 - California Code of Regulations, Title 23, Chapter 6.7, Section(s) 25284, 25286
Violation Description:	Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes:	Returned to compliance on 09/27/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS

Site ID:	6471
Site Name:	Huntington Fuel, Inc.
Violation Date:	03-10-2016
Citation:	23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description:	Failure to maintain on site an approved monitoring plan.
Violation Notes:	Returned to compliance on 03/07/2017.
Violation Division:	Los Angeles County Department of Public Works

MACKS CHEVRON/ C/O MACK SATERI (Continued) **U001566413**

Violation Program: UST
Violation Source: CERS

Site ID: 6471
Site Name: Huntington Fuel, Inc.
Violation Date: 03-10-2016
Citation: 23 CCR 16 2712(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(f)
Violation Description: Failure to implement the corrections specified in the inspection report within 30 calendar days of receiving an inspection report from either the local agency or the special inspector.
Violation Notes: Returned to compliance on 03/07/2017.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 6471
Site Name: Huntington Fuel, Inc.
Violation Date: 03-06-2018
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to have current UST Monitoring Plan available on site.
Violation Notes: Returned to compliance on 06/17/2019.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 6471
Site Name: Huntington Fuel, Inc.
Violation Date: 08-15-2018
Citation: 23 CCR 16 2637 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637
Violation Description: Failure to conduct secondary containment testing, or one or more of the following requirements: Perform the test within six months of installation and every 36 months thereafter.Use a procedure that demonstrates the system works as well as at installation.Use applicable manufacturer guidelines, industry codes, engineering standard, or professional engineer approval.Performed by a certified service technician or a licensed tank tester.
Violation Notes: Not reported
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 6471
Site Name: Huntington Fuel, Inc.
Violation Date: 08-15-2018
Citation: 23 CCR 16 2632(d)(1)(c),2641(h),2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632(d)(1)(c),2641(h),2711(a)(8)
Violation Description: Failure to submit or maintain a current facility plot plan.
Violation Notes: Not reported
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 6471

MACKS CHEVRON/ C/O MACK SATERI (Continued) **U001566413**

Site Name: Huntington Fuel, Inc.
Violation Date: 03-06-2018
Citation: 23 CCR 16 2632(d)(1)(c),2641(h),2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632(d)(1)(c),2641(h),2711(a)(8)
Violation Description: Failure to submit or maintain a current facility plot plan.
Violation Notes: Returned to compliance on 06/17/2019.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-01-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: CERS CORRECTIONS: FACILITY, FRCT, CFO LETTER, OSDO. SENSORS IN PLACE,SPBKS/SUMPS/UDS CLEAN/DRY. OTHER DOCS/CERTS IN HMS/CERS/ONSITE
Eval Division: Los Angeles County Department of Public Works
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-03-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: NOVC:NEWO;V800103;SPBK OVERDUE;CERS;EMPLOY TRAIN;L8(DSL PSUMP)ALARMS NO FOLLOW-UP RECORD,INVESTIGATE/FIX;MISSING ALARM HIST;SENSORS LW PT
Eval Division: Los Angeles County Department of Public Works
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-06-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: NOVC:MONTR CERT OVRDUE;CERS-FAC,TNK,MNTR PLN, PLT PLN, CFRT/CFOLTR; FACLTY-INVALID PRMT;DEB-87 FLL,91 STP,UDC#1/2,7/8;SPLC WIRNG-TLM PRO
Eval Division: Los Angeles County Department of Public Works
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-19-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-19-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department

MACKS CHEVRON/ C/O MACK SATERI (Continued) **U001566413**

Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-28-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Alfredo Galaviz
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-28-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-15-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: NOVC:CERS,NEWO,ASBLT DSL CNVRSN,SB989 LATE,2017 MNCRT&8/4/17RTST NOT @SITE,DO NO ACKNWLDG ALRM/SETUP DATA,LIQ 87/DSL STP,DSL SPBK,VR LGHT
Eval Division: Los Angeles County Department of Public Works
Eval Program: UST
Eval Source: CERS

Coordinates:
Site ID: 6471
Facility Name: Huntington Fuel, Inc.
Env Int Type Code: HWG
Program ID: 10285324
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 34.139770
Longitude: -118.027930

Affiliation:
Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 102 E HUNTINGTON DR
Affiliation City: ARCADIA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 91006
Affiliation Phone: Not reported

Affiliation Type Desc: UST Property Owner Name
Entity Name: Arcadia Investment Holding LLC.
Entity Title: Not reported
Affiliation Address: 713 W. Duarte road. # G-560

MACKS CHEVRON/ C/O MACK SATERI (Continued) **U001566413**

Affiliation City:	Arcadia
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91007
Affiliation Phone:	(626) 823-8505
Affiliation Type Desc:	UST Tank Operator
Entity Name:	Huntington Fuel, Inc.
Entity Title:	Not reported
Affiliation Address:	102 E. Huntington Dr.
Affiliation City:	Arcadia
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91006
Affiliation Phone:	(951) 570-2776
Affiliation Type Desc:	CUPA District
Entity Name:	Los Angeles County Fire
Entity Title:	Not reported
Affiliation Address:	5825 Rickenbacker Road
Affiliation City:	Commerce
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90040-3027
Affiliation Phone:	(323) 890-4045
Affiliation Type Desc:	Document Preparer
Entity Name:	UNIVERSAL SAFETY COMPLIANCE
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	Deepak Guliani
Entity Title:	Not reported
Affiliation Address:	102 E HUNTINGTON DR
Affiliation City:	ARCADIA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91006
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	NICK FAHED
Entity Title:	Vice President
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Property Owner

MACKS CHEVRON/ C/O MACK SATERI (Continued) **U001566413**

Entity Name: Arcadia Investments Holding LLC.
Entity Title: Not reported
Affiliation Address: 713 W. Duarte Road. # G-560
Affiliation City: Arcadia
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 91007
Affiliation Phone: (626) 823-8501

Affiliation Type Desc: UST Tank Owner
Entity Name: Arcadia Investment Holding LLC.
Entity Title: Not reported
Affiliation Address: 713 W. Duarte road. # G-560
Affiliation City: Arcadia
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 91007
Affiliation Phone: (626) 823-8505

Affiliation Type Desc: Operator
Entity Name: Huntington Fuel, Inc.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (626) 294-9449

Affiliation Type Desc: Legal Owner
Entity Name: Huntington Fuel, Inc.
Entity Title: Not reported
Affiliation Address: 102 E HUNTINGTON DR
Affiliation City: ARCADIA
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 91006
Affiliation Phone: (951) 570-2776

Affiliation Type Desc: Parent Corporation
Entity Name: ARCADIA OIL, INC
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Name: PROPEL FUELS, INC. (206008)
Address: 102 E HUNTINGTON DR STE B
City,State,Zip: ARCADIA, CA 91006
Site ID: 145201
CERS ID: 10125061
CERS Description: Chemical Storage Facilities

MACKS CHEVRON/ C/O MACK SATERI (Continued) **U001566413**

Violations:

Site ID:	145201
Site Name:	Propel Fuels, Inc. (206008)
Violation Date:	02-01-2017
Citation:	23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description:	Failure to have an approved UST Monitoring Plan.
Violation Notes:	Returned to compliance on 06/02/2017.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS

Site ID:	145201
Site Name:	Propel Fuels, Inc. (206008)
Violation Date:	03-16-2019
Citation:	40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173
Violation Description:	Failure to meet the following container management requirements: (a) A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste. (b) A container holding hazardous waste must not be opened, handled, or stored in a manner which may rupture the container or cause it to leak.
Violation Notes:	OBSERVATION: 2 x 55-gallon drums of hazardous waste oily/water was observed partially open. CORRECTIVE ACTION: Submit photos to the CUPA demonstrating that the container listed above has been properly closed.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS

Site ID:	145201
Site Name:	Propel Fuels, Inc. (206008)
Violation Date:	02-07-2018
Citation:	HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2
Violation Description:	Failure to test the spill bucket annually.
Violation Notes:	Returned to compliance on 07/18/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS

Site ID:	145201
Site Name:	Propel Fuels, Inc. (206008)
Violation Date:	02-01-2017
Citation:	23 CCR 16 2638(d) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638(d)
Violation Description:	Failure to submit the Annual Monitoring System Certification Form to the CUPA within 30 days of completion of the test.
Violation Notes:	Returned to compliance on 06/02/2017.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS

Site ID:	145201
Site Name:	Propel Fuels, Inc. (206008)
Violation Date:	02-07-2018

MACKS CHEVRON/ C/O MACK SATERI (Continued) **U001566413**

Citation:	23 CCR 16 2632(c)(2)(A)&(B) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632(c)(2)(A)&(B)
Violation Description:	Failure to continuously monitor the interstitial space of a double-walled tank with an audible and visual alarm system.
Violation Notes:	Returned to compliance on 07/18/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	145201
Site Name:	Propel Fuels, Inc. (206008)
Violation Date:	02-07-2018
Citation:	23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description:	Failure to have current UST Monitoring Plan available on site.
Violation Notes:	Returned to compliance on 07/18/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	145201
Site Name:	Propel Fuels, Inc. (206008)
Violation Date:	02-07-2018
Citation:	23 CCR 16 2632(d)(1)(c),2641(h),2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632(d)(1)(c),2641(h),2711(a)(8)
Violation Description:	Failure to submit or maintain a current facility plot plan.
Violation Notes:	Returned to compliance on 07/18/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	145201
Site Name:	Propel Fuels, Inc. (206008)
Violation Date:	02-07-2018
Citation:	23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description:	Failure to have an approved UST Monitoring Plan.
Violation Notes:	Returned to compliance on 07/18/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	145201
Site Name:	Propel Fuels, Inc. (206008)
Violation Date:	02-12-2019
Citation:	23 CCR 16 2715(c)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)(2)
Violation Description:	Failure to have at least one facility employee present during operating hours that has been trained in the proper operation and maintenance of the UST system by a designated operator (DO).
Violation Notes:	Not reported
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	145201

MACKS CHEVRON/ C/O MACK SATERI (Continued) **U001566413**

Site Name:	Propel Fuels, Inc. (206008)
Violation Date:	02-07-2018
Citation:	HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Description:	Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes:	Returned to compliance on 07/18/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS

Site ID:	145201
Site Name:	Propel Fuels, Inc. (206008)
Violation Date:	02-01-2017
Citation:	HSC 6.7 25290.1(c)(3), 25290.2(c)(3) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c)(3), 25290.2(c)(3)
Violation Description:	Failure to keep water out of the secondary containment of UST systems installed on or after July 1, 2003 and before July 1, 2004, or on or after July 1, 2004.
Violation Notes:	Returned to compliance on 06/02/2017.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS

Site ID:	145201
Site Name:	Propel Fuels, Inc. (206008)
Violation Date:	02-01-2017
Citation:	23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description:	Failure to have a UST Monitoring Plan available on site.
Violation Notes:	Returned to compliance on 06/02/2017.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS

Site ID:	145201
Site Name:	Propel Fuels, Inc. (206008)
Violation Date:	02-08-2016
Citation:	23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)
Violation Description:	Failure to submit statement of UST compliance and/or Designated Operator certification.
Violation Notes:	Returned to compliance on 02/01/2017.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS

Site ID:	145201
Site Name:	Propel Fuels, Inc. (206008)
Violation Date:	02-08-2016
Citation:	23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description:	Failure to maintain on site an approved monitoring plan.
Violation Notes:	Returned to compliance on 02/01/2017.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS

MACKS CHEVRON/ C/O MACK SATERI (Continued) **U001566413**

Site ID:	145201
Site Name:	Propel Fuels, Inc. (206008)
Violation Date:	02-07-2018
Citation:	23 CCR 16 2715(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(i)
Violation Description:	Failure to have a properly qualified service technician test leak detection equipment as required every 12 months (vapor, pressure, hydrostatic (VPH) system, sensors, line-leak detectors (LLD), automatic tank gauge (ATG), etc.).
Violation Notes:	Returned to compliance on 07/18/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS

Site ID:	145201
Site Name:	Propel Fuels, Inc. (206008)
Violation Date:	03-16-2019
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 03/16/2019. OBSERVATION: 2 x 55-gallon drums of oily / waster were observed without a hazardous waste label. CORRECTIVE ACTION: Submit a photo to the CUPA demonstrating that the container listed above has been properly labeled. labels issued on site.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS

Site ID:	145201
Site Name:	Propel Fuels, Inc. (206008)
Violation Date:	03-16-2019
Citation:	22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description:	Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.
Violation Notes:	OBSERVATION: Uniform Hazardous Waste Manifests for hazardous waste oily/water were not available at the time of inspection. CORRECTIVE ACTION: Locate a copy of all manifests for hazardous waste oily/water and submit copies to the CUPA.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS

Site ID:	145201
Site Name:	Propel Fuels, Inc. (206008)
Violation Date:	02-01-2017
Citation:	23 CCR 16 2712 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712
Violation Description:	Failure to comply with any of the applicable requirements of the

MACKS CHEVRON/ C/O MACK SATERI (Continued) **U001566413**

permit issued for the operation of the UST system.
Violation Notes: Returned to compliance on 06/02/2017.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 145201
Site Name: Propel Fuels, Inc. (206008)
Violation Date: 03-09-2016
Citation: 22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description: Failure to maintain uniform hazardous waste manifest, consolidated manifest, or bills of lading copies for three years.
Violation Notes: Returned to compliance on 03/07/2017.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 145201
Site Name: Propel Fuels, Inc. (206008)
Violation Date: 02-01-2017
Citation: 23 CCR 16 2632(d)(1)(C), 2641(h), 2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632(d)(1)(C), 2641(h), 2711(a)(8)
Violation Description: Failure to submit or update a plot plan.
Violation Notes: Returned to compliance on 06/02/2017.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 145201
Site Name: Propel Fuels, Inc. (206008)
Violation Date: 02-01-2017
Citation: 23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)
Violation Description: Failure to notify the CUPA of the designated operator (DO) identification and/or change of the DO within 30 days.
Violation Notes: Returned to compliance on 06/02/2017.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 145201
Site Name: Propel Fuels, Inc. (206008)
Violation Date: 02-12-2019
Citation: 23 CCR 16 2712(b)(1)(G) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(G)
Violation Description: Failure to comply with one or more of the following overfill prevention equipment requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that

MACKS CHEVRON/ C/O MACK SATERI (Continued) **U001566413**

none of the fittings located on the top of the tank are exposed to product due to overfilling. Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prevention equipment is installed, repaired, or replaced on and after October 1,?2018. For USTs installed before October 1, 2018, perform an inspection by October 13, 2018 and every 36 months thereafter. For USTs installed on and after October?1,?2018, perform an inspection at installation and every 36 months thereafter. Inspected within 30 days after a repair to the overfill prevention equipment. Inspected using an applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Inspected by a certified UST service technician. Maintain records of overfill prevention equipment inspection for 36 months.

Violation Notes: Not reported
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 145201
Site Name: Propel Fuels, Inc. (206008)
Violation Date: 02-08-2016
Citation: 23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)
Violation Description: The owner/operator has failed to designate an UST operator or to inform the CUPA or any change in the designated UST operator(s) within 30 days after a change.
Violation Notes: Returned to compliance on 02/01/2017.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 145201
Site Name: Propel Fuels, Inc. (206008)
Violation Date: 02-08-2016
Citation: HSC 6.7 25291 - California Health and Safety Code, Chapter 6.7, Section(s) 25291
Violation Description: Failure to maintain under-dispenser containment, sumps, and/or other secondary containment in good condition and/or free of debris/liquid.
Violation Notes: Returned to compliance on 02/01/2017.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 145201
Site Name: Propel Fuels, Inc. (206008)
Violation Date: 02-07-2018
Citation: 23 CCR 16 2638(d) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638(d)
Violation Description: Failure to submit the Annual Monitoring System Certification Form to the UPA within 30 days of completion of the test.
Violation Notes: Returned to compliance on 07/18/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 145201

MACKS CHEVRON/ C/O MACK SATERI (Continued) **U001566413**

Site Name:	Propel Fuels, Inc. (206008)
Violation Date:	02-07-2018
Citation:	HSC 6.7 25290.1(c)(3),25290.2(c)(3) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c)(3),25290.2(c)(3)
Violation Description:	Failure to keep water out of the secondary containment of UST systems installed on or after July 1, 2003.
Violation Notes:	Returned to compliance on 07/18/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS

Site ID:	145201
Site Name:	Propel Fuels, Inc. (206008)
Violation Date:	02-01-2017
Citation:	23 CCR 16 2712(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(f)
Violation Description:	Failure to implement the corrections specified in the inspection report within 30 calendar days of receiving an inspection report from either the CUPA or special inspector.
Violation Notes:	Returned to compliance on 06/02/2017.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS

Site ID:	145201
Site Name:	Propel Fuels, Inc. (206008)
Violation Date:	02-08-2016
Citation:	HSC 6.7 25286(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25286(a)
Violation Description:	Failure to submit an complete and accurate application for a permit to operate an underground storage tank, or for renewal of the permit.
Violation Notes:	Returned to compliance on 02/01/2017.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS

Site ID:	145201
Site Name:	Propel Fuels, Inc. (206008)
Violation Date:	02-12-2019
Citation:	23 CCR 16 2715(c)(4) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)(4)
Violation Description:	Failure to maintain a list of employees trained by the designated operator on-site or off-site at a readily available location, if approved by the UPA. For training that occurs on or after October 1, 2018, failure to maintain a copy of the "Facility Employee Training Certificate" on-site or off-site at a readily available location, if approved by the UPA.
Violation Notes:	Not reported
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-01-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency

MACKS CHEVRON/ C/O MACK SATERI (Continued) **U001566413**

Eval Notes: CERS: MONITORING PLAN INFO, PLOT PLAN, OSDO. MONITOR SYSTM NT RECVD ,IN 30 DAYS, LIQ IN B20 STP SUMP.
Eval Division: Los Angeles County Department of Public Works
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-07-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: NOVC:CERS-FACILTY,MNTR PLAN, PLOT PLN;MONTR CERT NT RCVD IN 30 DYS; MNTR CERT OVERDUE;LIQ-UDC,E85&B20 STP SMP;L7 SNSR REPLCD(HPR FLL SMP
Eval Division: Los Angeles County Department of Public Works
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-08-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: CERS CORRECTIONS TANK INFO, MONITORING PLAN AND DESIGNATED OPERATOR FORM; LIQUID IN DIESEL TURBINE AND FILL SUMP
Eval Division: Los Angeles County Department of Public Works
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-12-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: NOVC:PROVIDE OVERFILL PREVENTION INSPECTION REPORT; HDR DIESEL(TANK #2) FAILED OVERFILL INSPECTION ON 2/12/19; TRAINING CERT MISSING.
Eval Division: Los Angeles County Department of Public Works
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-09-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-09-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-16-2019
Violations Found: No

MACKS CHEVRON/ C/O MACK SATERI (Continued) **U001566413**

Eval Type:	Routine done by local agency
Eval Notes:	Deepak Guliani, Manager
Eval Division:	Los Angeles County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-16-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Deepak Guliani, Manager
Eval Division:	Los Angeles County Fire Department
Eval Program:	HW
Eval Source:	CERS

Affiliation:

Affiliation Type Desc:	Identification Signer
Entity Name:	Michelle Levin
Entity Title:	Project Manager, as agent for Propel Fuels, Inc
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	Propel Fuels, Inc.
Entity Title:	Not reported
Affiliation Address:	1815 19th Street
Affiliation City:	Sacramento
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95811
Affiliation Phone:	(800) 871-0773
Affiliation Type Desc:	CUPA District
Entity Name:	Los Angeles County Fire
Entity Title:	Not reported
Affiliation Address:	5825 Rickenbacker Road
Affiliation City:	Commerce
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90040-3027
Affiliation Phone:	(323) 890-4045
Affiliation Type Desc:	Environmental Contact
Entity Name:	Michelle Levin
Entity Title:	Not reported
Affiliation Address:	2496 Technology Drive
Affiliation City:	Elgin
Affiliation State:	IL
Affiliation Country:	Not reported
Affiliation Zip:	60124-7925
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation

MACKS CHEVRON/ C/O MACK SATERI (Continued) **U001566413**

Entity Name:	Propel Fuels, Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	UST Permit Applicant
Entity Name:	Jennifer Betz
Entity Title:	Authorized Agent for Propel Fuels, Inc.
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(847) 888-0276
Affiliation Type Desc:	UST Tank Operator
Entity Name:	Propel Fuels, Inc.
Entity Title:	Not reported
Affiliation Address:	1815 19th Street
Affiliation City:	Sacramento
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95811
Affiliation Phone:	(800) 871-0773
Affiliation Type Desc:	Document Preparer
Entity Name:	Michelle Levin
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1815 19th Street
Affiliation City:	Sacramento
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95811
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	Propel Fuels, Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported

MACKS CHEVRON/ C/O MACK SATERI (Continued) **U001566413**

Affiliation Phone: (800) 871-0773

Affiliation Type Desc: UST Property Owner Name
Entity Name: Arcadia Investment Holdings LLC
Entity Title: Not reported
Affiliation Address: 102 East Huntington Drive
Affiliation City: Arcadia
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 91006
Affiliation Phone: (626) 538-9063

Affiliation Type Desc: UST Tank Owner
Entity Name: Propel Fuels, Inc.
Entity Title: Not reported
Affiliation Address: 1815 19th Street
Affiliation City: Sacramento
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95811
Affiliation Phone: (800) 871-0773

M58 **PROPEL FUELS (206008)** **RCRA NonGen / NLR** **1024829440**
WSW **102 E HUNTINGTON DR** **CAL000362636**
1/8-1/4 **ARCADIA, CA 91006**
0.222 mi.
1172 ft. **Site 5 of 5 in cluster M**

Relative:
Higher

Actual:
483 ft.

RCRA NonGen / NLR:
Date form received by agency: 04/11/2011
Facility name: PROPEL FUELS (206008)
Facility address: 102 E HUNTINGTON DR
ARCADIA, CA 91006-3211
EPA ID: CAL000362636
Mailing address: 1815 19TH STREET
SACRAMENTO, CA 95811-0124
Contact: MICHELLE LEVIN
Contact address: 2496 TECHNOLOGY DR
ELGIN, IL 60124
Contact country: Not reported
Contact telephone: 847-888-0276
Contact email: MLEVIN@JMMGLOBAL.COM
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: PROPEL FUELS, INC.
Owner/operator address: 1815 19TH STREET
SACRAMENTO, CA 95811
Owner/operator country: Not reported
Owner/operator telephone: 800-871-0773
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other

PROPEL FUELS (206008) (Continued) **1024829440**

Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: MICHELLE LEVIN
Owner/operator address: 2496 TECHNOLOGY DR
ELGIN, IL 60124
Owner/operator country: Not reported
Owner/operator telephone: 847-888-0276
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

J59 **SOUTHERN CALIFORNIA EDISON MONROVIA OFFICE BLDG** **CERS HAZ WASTE** **S120989812**
SE **1218 S 5TH AVE** **CERS TANKS** **N/A**
1/8-1/4 **MONROVIA, CA 91016** **HAZNET**
0.231 mi. **CERS**
1220 ft. **Site 2 of 2 in cluster J**

Relative: **Lower**
Actual: **478 ft.**

CERS HAZ WASTE:
Name: CITY OF HOPE - MONROVIA RESEARCH FACILITY
Address: 1218 S 5TH AVE
City,State,Zip: MONROVIA, CA 91016
Site ID: 414197
CERS ID: 10720183
CERS Description: Hazardous Waste Generator

CERS TANKS:
Name: CITY OF HOPE - MONROVIA RESEARCH FACILITY
Address: 1218 S 5TH AVE
City,State,Zip: MONROVIA, CA 91016
Site ID: 414197
CERS ID: 10720183
CERS Description: Aboveground Petroleum Storage

SOUTHERN CALIFORNIA EDISON MONROVIA OFFICE BLDG (Continued) **S120989812**

HAZNET:

Name:	SOUTHERN CALIFORNIA EDISON MONROVIA OFFICE BLDG
Address:	1218 S 5TH AVE
City,State,Zip:	MONROVIA, CA 910163805
Year:	2016
GEPAID:	CAC002846152
Contact:	SARA DUVALL
Telephone:	6268628458
Mailing Name:	Not reported
Mailing Address:	PO BOX 800
Mailing City,St,Zip:	ROSEMEAD, CA 917700800
Gen County:	Los Angeles
TSD EPA ID:	UTD981552177
TSD County:	99
Tons:	0.0075
CA Waste Code:	181-Other inorganic solid waste
Method:	H040-Incineration--Thermal Destruction Other Than Use As A Fuel
Facility County:	Los Angeles

CERS:

Name:	CITY OF HOPE - MONROVIA RESEARCH FACILITY
Address:	1218 S 5TH AVE
City,State,Zip:	MONROVIA, CA 91016
Site ID:	414197
CERS ID:	10720183
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	414197
Site Name:	City of Hope - Monrovia Research Facility
Violation Date:	11-08-2017
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 12/01/2017. OBSERVATION: Four 5-gal jugs of waste x-ray film fixer solution llocated in the hazardous waste/chemical storage room were observed without a hazardous waste label. CORRECTIVE ACTION: Submit a photo to the CUPA demonstrating that the containers listed above have been properly labeled.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS

Site ID:	414197
Site Name:	City of Hope - Monrovia Research Facility
Violation Date:	11-08-2017
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Hazardous Waste Generator Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 11/08/2017. 12.50.075 Permit Required - Every business or business concern within the jurisdiction of the LACoCUPA and subject to on or more of the program elements shall be

SOUTHERN CALIFORNIA EDISON MONROVIA OFFICE BLDG (Continued) **S120989812**

	required to apply for, pay the permit fees required by this chapter, and obtain from the LACoCUPA a unified program facility permit for the program elements applicable to such facility prior to the commencement of any business or activity related to any of the program elements. The permit required under this section shall be posted and conspicuously displayed at the location falling under the requirements of this chapter.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	414197
Site Name:	City of Hope - Monrovia Research Facility
Violation Date:	07-03-2019
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	Failure to prepare an SPCC Plan that meets all applicable requirements.
Violation Notes:	Returned to compliance on 08/06/2019. OBSERVATION: Failure to prepare an SPCC Plan that meets all applicable requirements. CORRECTIVE ACTION: Complete or revise SPCC plan that meets all applicable requirements.
Violation Division:	Los Angeles County Fire Department
Violation Program:	APSA
Violation Source:	CERS
Site ID:	414197
Site Name:	City of Hope - Monrovia Research Facility
Violation Date:	11-23-2016
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Returned to compliance on 12/20/2016. Establish a HMBP.
Violation Division:	Monrovia Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	414197
Site Name:	City of Hope - Monrovia Research Facility
Violation Date:	08-23-2017
Citation:	HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description:	Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.
Violation Notes:	Returned to compliance on 09/01/2017. Update HMBP.
Violation Division:	Monrovia Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	414197

SOUTHERN CALIFORNIA EDISON MONROVIA OFFICE BLDG (Continued) **S120989812**

Site Name: City of Hope - Monrovia Research Facility
Violation Date: 07-03-2019
Citation: 22 CCR 12 66262.34(e) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(e)
Violation Description: Failure to meet the following conditions of satellite accumulation regulations: ? Accumulate up to 55 gallons of hazardous waste or one quart of acute hazardous waste at or near the initial point of accumulation which was under the control of the operator. ? Total time hazardous waste can be accumulated onsite in any generator accumulation area is one year, i.e., the combined accmulation time at a satellite accumulation point and at a 90/180/270 accumulation area (depending on size of generator and distance transported), whichever comes first. ? The generator complies with section 66265.171, 66265.172, and 66265.173(a). ? The container must be clearly marked with the initial date that hazardous waste is first placed in the container and labelled with the words ?Hazardous Waste? including specified information ? Container must be labelled with the date the satellite accumulation limit is reached and moved within three days after reaching the 55 gallon (or one quart) limit to a ?90 day? accumulation area ? 55 gallons (or one quart of acute hazardous waste) of waste per process may be accumulated
Violation Notes: Returned to compliance on 08/06/2019. OBSERVATION: Failure of the Owner/Operator to comply with one or more satellite accumulation requirements: satellite containers in some labs were labeled with incorrect address; some accumulation start dates were older than one year or two years. CORRECTIVE ACTION: Ensure that all hazardous wastes being accumulated pursuant to satellite accumulation meet all applicable requirements and submit documentation of compliance to the CUPA.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-03-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Jay Benson, Haz Mat Safety Specialist
Eval Division: Los Angeles County Fire Department
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-03-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Jay Benson, Haz Mat Safety Specialist
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-23-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Update HMBP. New HazMat Inventory added.

SOUTHERN CALIFORNIA EDISON MONROVIA OFFICE BLDG (Continued) **S120989812**

Eval Division: Monrovia Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-08-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Jay C. Benson, Hazardous Material Safety Specialist
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-23-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Establish a HMBP.
Eval Division: Monrovia Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 12-18-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Email received dated 12/1/17 showing photos of properly labeled HW containers; NOV abated.
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Los Angeles County Fire
Entity Title: Not reported
Affiliation Address: 5825 Rickenbacker Road
Affiliation City: Commerce
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90040-3027
Affiliation Phone: (323) 890-4045

Affiliation Type Desc: Environmental Contact
Entity Name: Jay Benson, Hazardous Material Specialist
Entity Title: Not reported
Affiliation Address: 1500 E Duarte Rd
Affiliation City: Duarte
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 91010
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: City of Hope
Entity Title: Not reported
Affiliation Address: 1500 E Duarte Rd.

SOUTHERN CALIFORNIA EDISON MONROVIA OFFICE BLDG (Continued) **S120989812**

Affiliation City:	Duarte
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91010
Affiliation Phone:	(626) 256-4673
Affiliation Type Desc:	Document Preparer
Entity Name:	Jay Benson
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1500 E Duarte Rd. - Safety Dept.
Affiliation City:	Duarte
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91010
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	City of Hope - Monrovia Research Center
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(626) 256-4673
Affiliation Type Desc:	Parent Corporation
Entity Name:	City of Hope Medical Center
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Jay Benson
Entity Title:	Hazardous Material/Safety Specialist
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

N60
WNW
1/8-1/4
0.238 mi.
1256 ft.

AVIS RENT A CAR
112 N 1ST AVE
ARCADIA, CA 91006

Site 1 of 3 in cluster N

HIST UST **U001566430**
N/A

Relative:
Higher

Actual:
495 ft.

HIST UST:

Name:	AVIS RENT A CAR
Address:	112 N 1ST AVE
City,State,Zip:	ARCADIA, CA 91006
File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000004826
Facility Type:	Other
Other Type:	CAR RENTAL
Contact Name:	O. SNIDER
Telephone:	8184473505
Owner Name:	GRAND RENT A CAR CORP.
Owner Address:	9841 AIRPORT BLVD. SUITE 200
Owner City,St,Zip:	LOS ANGELES, CA 90045
Total Tanks:	0001
Tank Num:	001
Container Num:	4-ARD #1
Year Installed:	Not reported
Tank Capacity:	00007500
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	None

N61
WNW
1/8-1/4
0.238 mi.
1256 ft.

AVIS BUDGET CAR RENTAL LLC
112 N FIRST AVE
ARCADIA, CA 91006

Site 2 of 3 in cluster N

RCRA NonGen / NLR **1024873055**
CAL000441704

Relative:
Higher

Actual:
495 ft.

RCRA NonGen / NLR:

Date form received by agency:	12/11/2018
Facility name:	AVIS BUDGET CAR RENTAL LLC
Facility address:	112 N FIRST AVE ARCADIA, CA 91006
EPA ID:	CAL000441704
Mailing address:	6 SYLVAN WAY PARSIPPANY, NJ 07054-3826
Contact:	ROSE PELINO, PE
Contact address:	6 SYLVAN WAY PARSIPPANY, NJ 07054-3826
Contact country:	Not reported
Contact telephone:	973-496-3447
Contact email:	ROSE.PELINO@AVISBUDGET.COM
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	ROSE PELINO, PE
Owner/operator address:	6 SYLVAN WAY

AVIS BUDGET CAR RENTAL LLC (Continued) **1024873055**

PARSIPPANY, NJ 07054
Owner/operator country: Not reported
Owner/operator telephone: 973-496-3447
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: AVIS BUDGET CAR RENTAL LLC
Owner/operator address: 6 SYLVAN WAY
PARSIPPANY, NJ 07054
Owner/operator country: Not reported
Owner/operator telephone: 973-496-3500
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

N62 **AVIS RENT A CAR** **HIST UST** **S118407664**
WNW **112 N FIRST AVENUE** **N/A**
1/8-1/4 **ARCADIA, CA 91006**
0.238 mi.
1256 ft. **Site 3 of 3 in cluster N**

Relative: **Higher**
Actual: **495 ft.**

HIST UST:
Name: AVIS RENT A CAR
Address: 112 N FIRST AVENUE
City,State,Zip: ARCADIA, CA 91006
File Number: 00026C43
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00026C43.pdf
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported

AVIS RENT A CAR (Continued) **S118407664**

Other Type:	Not reported
Contact Name:	Not reported
Telephone:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Total Tanks:	Not reported
Tank Num:	Not reported
Container Num:	Not reported
Year Installed:	Not reported
Tank Capacity:	Not reported
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported

Click here for Geo Tracker PDF:

O63 **PHILLIP H SCOTT 14-069** **HIST UST** **U001566550**
East **912 W HUNTINGTON** **N/A**
1/8-1/4 **MONROVIA, CA 91016**
0.242 mi.
1279 ft. **Site 1 of 2 in cluster O**

Relative: HIST UST:
Lower

Actual: **467 ft.**

Name:	PHILLIP H SCOTT 14-069
Address:	912 W HUNTINGTON
City,State,Zip:	MONROVIA, CA 91016
File Number:	00027F01
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00027F01.pdf
Region:	STATE
Facility ID:	00000039729
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	8183582916
Owner Name:	MOBIL OIL CORPORATION
Owner Address:	612 SOUTH FLOWER STREET
Owner City,St,Zip:	LOS ANGELES, CA 90017
Total Tanks:	0004
Tank Num:	001
Container Num:	0674
Year Installed:	1968
Tank Capacity:	00000280
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	0675
Year Installed:	1972
Tank Capacity:	00006000
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Container Construction Thickness:	Not reported

PHILLIP H SCOTT 14-069 (Continued) **U001566550**

Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 0676
Year Installed: 1968
Tank Capacity: 00008000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 004
Container Num: 0677
Year Installed: 1968
Tank Capacity: 00009940
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Click here for Geo Tracker PDF:

O64 **95098** **SWEEPS UST** **U001566515**
East **854 HUNTINGTON DR** **HIST UST** **N/A**
1/8-1/4 **MONROVIA, CA 91016**
0.249 mi.
1316 ft. **Site 2 of 2 in cluster O**

Relative: SWEEPS UST:
Lower
Actual: Name: CHEVRON 5098
469 ft. Address: 854 HUNTINGTON DR
City: MONROVIA
Status: Active
Comp Number: 13503
Number: 9
Board Of Equalization: 44-010175
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-013503-000001
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 9

Name: CHEVRON 5098
Address: 854 HUNTINGTON DR
City: MONROVIA
Status: Active
Comp Number: 13503
Number: 9
Board Of Equalization: 44-010175
Referral Date: 06-30-89
Action Date: Not reported

95098 (Continued) **U001566515**

Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-013503-000002
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: CHEVRON 5098
Address: 854 HUNTINGTON DR
City: MONROVIA
Status: Active
Comp Number: 13503
Number: 9
Board Of Equalization: 44-010175
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-013503-000003
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: CHEVRON 5098
Address: 854 HUNTINGTON DR
City: MONROVIA
Status: Active
Comp Number: 13503
Number: 9
Board Of Equalization: 44-010175
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-013503-000004
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: CHEVRON 5098
Address: 854 HUNTINGTON DR
City: MONROVIA
Status: Active
Comp Number: 13503
Number: 9

95098 (Continued) **U001566515**

Board Of Equalization: 44-010175
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-013503-000005
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: CHEVRON 5098
Address: 854 HUNTINGTON DR
City: MONROVIA
Status: Active
Comp Number: 13503
Number: 9
Board Of Equalization: 44-010175
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-013503-000006
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: CHEVRON 5098
Address: 854 HUNTINGTON DR
City: MONROVIA
Status: Active
Comp Number: 13503
Number: 9
Board Of Equalization: 44-010175
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-013503-000007
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: CHEVRON 5098
Address: 854 HUNTINGTON DR
City: MONROVIA

95098 (Continued) **U001566515**

Status: Active
Comp Number: 13503
Number: 9
Board Of Equalization: 44-010175
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-013503-000008
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: CHEVRON 5098
Address: 854 HUNTINGTON DR
City: MONROVIA
Status: Active
Comp Number: 13503
Number: 9
Board Of Equalization: 44-010175
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-013503-000009
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

HIST UST:
Name: 95098
Address: 854 HUNTINGTON DR
City,State,Zip: MONROVIA, CA 91016
File Number: 00026DD5
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00026DD5.pdf
Region: STATE
Facility ID: 00000062708
Facility Type: Gas Station
Other Type: Not reported
Contact Name: LIVERMORE,WILLIAM
Telephone: 8183571740
Owner Name: CHEVRON U.S.A. INC.
Owner Address: 575 MARKET
Owner City,St,Zip: SAN FRANCISCO, CA 94105
Total Tanks: 0004

Tank Num: 001
Container Num: 1
Year Installed: 1967

95098 (Continued) **U001566515**

Tank Capacity:	00008000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	0000250
Leak Detection:	Stock Inventor

Tank Num:	002
Container Num:	2
Year Installed:	1967
Tank Capacity:	00007500
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	0000250
Leak Detection:	Stock Inventor

Tank Num:	003
Container Num:	3
Year Installed:	1967
Tank Capacity:	00004000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	0000170
Leak Detection:	Stock Inventor

Tank Num:	004
Container Num:	4
Year Installed:	1967
Tank Capacity:	00001000
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	0000130
Leak Detection:	Stock Inventor

Click here for Geo Tracker PDF:

P65 **TROTTER APARTMENTS** **SEMS** **1001491822**
NE **829 W. OLIVE AVENUE** **CASFN0905476**
1/4-1/2 **MONROVIA, CA 91016**
0.459 mi.
2423 ft. **Site 1 of 2 in cluster P**

Relative:
Higher

Actual:
488 ft.

SEMS:

Site ID:	0905476
EPA ID:	CASFN0905476
Cong District:	Not reported
FIPS Code:	06037
Latitude:	Not reported
Longitude:	Not reported
FF:	N
NPL:	Not on the NPL
Non NPL Status:	Referred to Removal - NFRAP

SEMS Detail:

Region:	09
Site ID:	0905476
EPA ID:	CASFN0905476
Site Name:	TROTTER APARTMENTS
NPL:	N

TROTTER APARTMENTS (Continued) **1001491822**

FF:	N
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1998-12-03 05:00:00
Finish Date:	12/3/1998 5:00:00 AM
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0905476
EPA ID:	CASFN0905476
Site Name:	TROTTER APARTMENTS
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	2000-08-15 04:00:00
Finish Date:	6/16/2001 4:00:00 AM
Qual:	W
Current Action Lead:	St Perf

66
WNW
1/4-1/2
0.475 mi.
2510 ft.

Relative:
Higher

Actual:
500 ft.

ARCADIA UNIFIED SCHOOL DIST
35 SAINT JOSEPH ST W
ARCADIA, CA 91007

LUST **S101586375**
SWEEPS UST **N/A**
CA FID UST
HIST CORTESE
LOS ANGELES CO. HMS
NPDES
CERS

LUST:

Name:	ARCADIA UNIFIED SCHOOL DIST
Address:	35 SAINT JOSEPH ST W
City,State,Zip:	ARCADIA, CA 91007
Lead Agency:	LOS ANGELES COUNTY
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603704957
Global Id:	T0603704957
Latitude:	34.1433358
Longitude:	-118.0298478
Status:	Completed - Case Closed
Status Date:	01/06/1997
Case Worker:	JOA
RB Case Number:	R-10762
Local Agency:	LOS ANGELES COUNTY
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Aviation
Site History:	Not reported

LUST:

Global Id:	T0603704957
Contact Type:	Local Agency Caseworker

ARCADIA UNIFIED SCHOOL DIST (Continued) **S101586375**

Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: jawujo@dpw.lacounty.gov
Phone Number: 6264583507

Global Id: T0603704957
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603704957
Action Type: Other
Date: 01/06/1997
Action: Leak Reported

LUST:
Global Id: T0603704957
Status: Completed - Case Closed
Status Date: 01/06/1997

Global Id: T0603704957
Status: Open - Case Begin Date
Status Date: 01/06/1997

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: R-10762
Status: Case Closed
Substance: 1
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603704957
W Global ID: Not reported
Staff: UNK
Local Agency: 19000
Cross Street: Not reported
Enforcement Type: Not reported
Date Leak Discovered: Not reported
Date Leak First Reported: 1/6/1997
Date Leak Record Entered: 3/19/1998
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 1/6/1997
Date the Case was Closed: 1/6/1997

ARCADIA UNIFIED SCHOOL DIST (Continued) **S101586375**

How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: Not reported
Leak Source: Not reported
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 2519.8504912001368708784081097
Source of Cleanup Funding: Not reported
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: ARCADIA UNIFIED SCHOOL DIST
RP Address: 234 CAMPUS DR., ARCADIA, CA 91007-6999
Program: LUST
Lat/Long: 34.1434288 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

SWEEPS UST:
Name: ARCADIA UNIFIED SCHOOL DIST
Address: 35 W ST JOSEPH ST
City: ARCADIA
Status: Active
Comp Number: 10762
Number: 9
Board Of Equalization: 44-009012
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010762-000001
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 2

ARCADIA UNIFIED SCHOOL DIST (Continued) **S101586375**

Name: ARCADIA UNIFIED SCHOOL DIST
Address: 35 W ST JOSEPH ST
City: ARCADIA
Status: Active
Comp Number: 10762
Number: 9
Board Of Equalization: 44-009012
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010762-000002
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

CA FID UST:
Facility ID: 19047683
Regulated By: UTNKA
Regulated ID: 00034091
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 8180000000
Mail To: Not reported
Mailing Address: 234 CAMPUS DR
Mailing Address 2: Not reported
Mailing City,St,Zip: ARCADIA
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

HIST CORTESE:
edr_fname: ARCADIA UNIFIED SCHOOL DI
edr_fadd1: 35 SAINT JOSEPH
City,State,Zip: ARCADIA, CA 91006
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: R-10762

LOS ANGELES CO. HMS:
Name: ARCADIA UNIFIED SCHOOL DIST
Address: 35 W SAINT JOSEPH ST
City,State,Zip: ARCADIA, CA 910072855
Region: LA
Permit Category: T
Facility Id: 010801-010762
Facility Type: 0

ARCADIA UNIFIED SCHOOL DIST (Continued) **S101586375**

Facility Status: Permit
Area: 3N
Permit Number: 00002910T
Permit Status: Permit

NPDES:

Name:	AUSD JIM LEAHY MAINTENANCE YARD
Address:	35 W SAINT JOSEPH ST
City,State,Zip:	ARCADIA, CA 91007
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	4 19I017940
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	05/20/2016
Operator Name:	Arcadia High School
Operator Address:	150 S Third Avenue
Operator City:	Arcadia
Operator State:	California
Operator Zip:	91006

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	191494
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19I017940
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	03/13/2003
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Arcadia High School
Discharge Address:	150 S Third Avenue
Discharge City:	Arcadia
Discharge State:	California
Discharge Zip:	91006
Received Date:	Not reported

ARCADIA UNIFIED SCHOOL DIST (Continued) **S101586375**

Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported

ARCADIA UNIFIED SCHOOL DIST (Continued) **S101586375**

Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	191494
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19I017940
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	03/13/2003
Status:	Active
Status Date:	05/20/2016
Place Size:	3
Place Size Unit:	Acres
Contact:	Michael Brewer
Contact Title:	Not reported
Contact Phone:	626-821-8300
Contact Phone Ext:	Not reported
Contact Email:	mbrewer@ausd.net
Operator Name:	Arcadia High School
Operator Address:	150 S Third Avenue
Operator City:	Arcadia
Operator State:	California
Operator Zip:	91006
Operator Contact:	Paul Letson
Operator Contact Title:	Not reported
Operator Contact Phone:	626-821-1435
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Elementary School
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	626-821-1435
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported

ARCADIA UNIFIED SCHOOL DIST (Continued) **S101586375**

Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Los Angeles River
Certifier:	Michael Brewer
Certifier Title:	Lead mechaic
Certification Date:	20-AUG-15
Primary Sic:	4151-School Buses
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	AUSD JIM LEAHY MAINTENANCE YARD
Address:	35 W SAINT JOSEPH ST
City,State,Zip:	ARCADIA, CA 91007
Facility Status:	Active
NPDES Number:	CAS000001
Region:	4
Agency Number:	0
Regulatory Measure ID:	191494
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	4 19I017940
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	03/13/2003
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	150 S Third Avenue
Discharge Name:	Arcadia High School
Discharge City:	Arcadia
Discharge State:	California
Discharge Zip:	91006
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	191494
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported

ARCADIA UNIFIED SCHOOL DIST (Continued) **S101586375**

WDID:	4 19I017940
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	03/13/2003
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Arcadia High School
Discharge Address:	150 S Third Avenue
Discharge City:	Arcadia
Discharge State:	California
Discharge Zip:	91006
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported

ARCADIA UNIFIED SCHOOL DIST (Continued) **S101586375**

Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	191494
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19I017940
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	03/13/2003
Status:	Active
Status Date:	05/20/2016
Place Size:	3
Place Size Unit:	Acres
Contact:	Michael Brewer
Contact Title:	Not reported
Contact Phone:	626-821-8300
Contact Phone Ext:	Not reported
Contact Email:	mbrewer@ausd.net
Operator Name:	Arcadia High School
Operator Address:	150 S Third Avenue
Operator City:	Arcadia
Operator State:	California
Operator Zip:	91006
Operator Contact:	Paul Letson
Operator Contact Title:	Not reported
Operator Contact Phone:	626-821-1435
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Elementary School
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported

ARCADIA UNIFIED SCHOOL DIST (Continued) **S101586375**

Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	626-821-1435
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Los Angeles River
Certifier:	Michael Brewer
Certifier Title:	Lead mechaic
Certification Date:	20-AUG-15
Primary Sic:	4151-School Buses
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CERS:

Name:	ARCADIA UNIFIED SCHOOL DIST
Address:	35 SAINT JOSEPH ST W
City,State,Zip:	ARCADIA, CA 91007
Site ID:	247562
CERS ID:	T0603704957
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	JOHN AWUJO - LOS ANGELES COUNTY
Entity Title:	Not reported
Affiliation Address:	900 S FREMONT AVE
Affiliation City:	ALHAMBRA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	6264583507

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	320 W. 4TH ST., SUITE 200
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported

ARCADIA UNIFIED SCHOOL DIST (Continued) **S101586375**

Affiliation Zip: Not reported
Affiliation Phone: Not reported

P67 **TROTTER APARTMENTS** **RESPONSE** **S106076586**
NE **827/829 W OLIVE AVE & 832 W COLORADO BLV** **ENVIROSTOR** **N/A**
1/4-1/2 **MONROVIA, CA 91016** **HIST Cal-Sites**
0.476 mi. **CERS**
2515 ft. **Site 2 of 2 in cluster P**

Relative:
Higher

Actual:
489 ft.

AWP:

Name:	TROTTER APARTMENTS
Address:	827/829 W OLIVE AVE & 832 W COLORADO BLV
City:	MONROVIA
AWP Facility ID:	19000008
Region Code:	3
Region:	GLENDALE
SMBR Branch Code:	SA
SMBR Branch Unit:	SO CAL - GLENDALE
Site Name.:	SAME
Current Status Date:	07012002
Current Status:	ANNUAL WORKPLAN - ACTIVE SITE
Lead Agency Code:	DTSC
Lead Agency:	DEPT OF TOXIC SUBSTANCES CONTROL
Facility Type:	State orphan site
Awp Site Type:	STATE FUNDED SITE
NPL:	Not Listed
Tier Of AWP Site:	Not reported
Source Of Funding:	Not reported
Responsible Staff Member:	RKRUG
Supervisor Responsible:	Not reported
SIC Code:	00
Facility SIC:	PROPERTIES THAT DO NOT HAVE SIC CODES
RWQCB Code:	Not reported
RWQCB Associated With Site:	Not reported
Site Access Controlled:	Not reported
Site Listed HWS List:	Not reported
Hazard Ranking Score:	Not reported
Date Site Hazard Ranked:	Not reported
Groundwater Contamination:	Not reported
# Of Contamination Sources:	0
Lat/Long:	Not reported
Lat/Long (dms):	0 0 0 / 0 0 0
Lat/long Method:	Not reported
Description Of Entity:	Not reported
State Assembly Distt Code:	59
State Senate District:	29

RESPONSE:

Name:	TROTTER APARTMENTS
Address:	827/829 W OLIVE AVE & 832 W COLORADO BLV
City,State,Zip:	MONROVIA, CA 91016
Facility ID:	19000008
Site Type:	State Response
Site Type Detail:	State Response or NPL
Acres:	1
National Priorities List:	NO

TROTTER APARTMENTS (Continued) **S106076586**

Cleanup Oversight Agencies:	SMBRP, US EPA, LOS ANGELES COUNTY
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Jess Villamayor
Supervisor:	Philip Chandler
Division Branch:	Cleanup Chatsworth
Site Code:	300742
Site Mgmt. Req.:	NONE SPECIFIED
Assembly:	41
Senate:	25
Special Program Status:	EPA - PASI
Status:	Certified
Status Date:	08/09/2005
Restricted Use:	NO
Funding:	Orphan Funds
Latitude:	34.14509
Longitude:	-118.0166
APN:	8506024015, 8506024021, 8506024026
Past Use:	BATTERY RECLAMATION, BATTERY STORAGE
Potential COC :	Lead
Confirmed COC:	NONE SPECIFIED
Potential Description:	SOIL
Alias Name:	BARTH'S BATTERY SHOP
Alias Type:	Alternate Name
Alias Name:	SAME
Alias Type:	Alternate Name
Alias Name:	8506024015
Alias Type:	APN
Alias Name:	8506024021
Alias Type:	APN
Alias Name:	8506024026
Alias Type:	APN
Alias Name:	CASFN0905476
Alias Type:	CERCLIS ID
Alias Name:	110033609726
Alias Type:	EPA (FRS #)
Alias Name:	300742
Alias Type:	Project Code (Site Code)
Alias Name:	19000008
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	CEQA - Notice of Exemption
Completed Date:	04/29/2003
Comments:	Lead contaminated soils still exist at the site, but are not considered a threat to human health nor the environment because those areas are either covered by building structures, driveway, or sidewalks. Final Removal Action Completion Report approved with supplemental information provided by DTSC.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Triage Meeting
Completed Date:	06/17/2015
Comments:	Not reported
Completed Area Name:	PROJECT WIDE

TROTTER APARTMENTS (Continued) **S106076586**

Completed Sub Area Name: Not reported
Completed Document Type: Imminent and/or Subst. Endangerment Determination
Completed Date: 02/11/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 01/07/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 04/29/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 05/21/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 12/17/2002
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Land Use Restriction
Schedule Due Date: 11/30/2017
Schedule Revised Date: Not reported

ENVIROSTOR:
Name: TROTTER APARTMENTS
Address: 827/829 W OLIVE AVE & 832 W COLORADO BLV
City,State,Zip: MONROVIA, CA 91016
Facility ID: 19000008
Status: Certified
Status Date: 08/09/2005
Site Code: 300742
Site Type: State Response
Site Type Detailed: State Response or NPL
Acres: 1
NPL: NO
Regulatory Agencies: SMBRP, US EPA, LOS ANGELES COUNTY
Lead Agency: SMBRP
Program Manager: Jess Villamayor
Supervisor: Philip Chandler
Division Branch: Cleanup Chatsworth
Assembly: 41

TROTTER APARTMENTS (Continued) **S106076586**

Senate: 25
Special Program: EPA - PASI
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Orphan Funds
Latitude: 34.14509
Longitude: -118.0166
APN: 8506024015, 8506024021, 8506024026
Past Use: BATTERY RECLAMATION, BATTERY STORAGE
Potential COC: Lead
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL
Alias Name: BARTH'S BATTERY SHOP
Alias Type: Alternate Name
Alias Name: SAME
Alias Type: Alternate Name
Alias Name: 8506024015
Alias Type: APN
Alias Name: 8506024021
Alias Type: APN
Alias Name: 8506024026
Alias Type: APN
Alias Name: CASFN0905476
Alias Type: CERCLIS ID
Alias Name: 110033609726
Alias Type: EPA (FRS #)
Alias Name: 300742
Alias Type: Project Code (Site Code)
Alias Name: 19000008
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 04/29/2003
Comments: Lead contaminated soils still exist at the site, but are not considered a threat to human health nor the environment because those areas are either covered by building structures, driveway, or sidewalks. Final Removal Action Completion Report approved with supplemental information provided by DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Triage Meeting
Completed Date: 06/17/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Imminent and/or Subst. Endangerment Determination
Completed Date: 02/11/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 01/07/2004

TROTTER APARTMENTS (Continued) **S106076586**

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 04/29/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 05/21/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 12/17/2002
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Land Use Restriction
Schedule Due Date: 11/30/2017
Schedule Revised Date: Not reported

Calsite:
Name: TROTTER APARTMENTS
Address: 827/829 W OLIVE AVE & 832 W COLORADO BLV
City: MONROVIA
Region: GLENDALE
Facility ID: 19000008
Facility Type: STATE
Type: STATE FUNDED SITE
Branch: SA
Branch Name: SO CAL - GLENDALE
File Name: SAME
State Senate District: 07012002
Status: ANNUAL WORKPLAN (AWP) - ACTIVE SITE
Status Name: ANNUAL WORKPLAN - ACTIVE SITE
Lead Agency: DEPT OF TOXIC SUBSTANCES CONTROL
NPL: Not Listed
SIC Code: 00
SIC Name: PROPERTIES THAT DO NOT HAVE SIC CODES
Access: Not reported
Cortese: Not reported
Hazardous Ranking Score: Not reported
Date Site Hazard Ranked: Not reported
Groundwater Contamination: Not reported
Staff Member Responsible for Site: RKRUG
Supervisor Responsible for Site: Not reported
Region Water Control Board: Not reported
Region Water Control Board Name: Not reported

TROTTER APARTMENTS (Continued) **S106076586**

Lat/Long Direction:	Not reported
Lat/Long (dms):	0 0 0 / 0 0 0
Lat/long Method:	Not reported
Lat/Long Description:	Not reported
State Assembly District Code:	59
State Senate District Code:	29
Facility ID:	19000008
Activity:	CEQA
Activity Name:	CEQA INCLUDING NEGATIVE DECS
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	04292003
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19000008
Activity:	RAW
Activity Name:	REMOVAL ACTION WORKPLAN
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	04292003
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19000008
Activity:	RA
Activity Name:	REMOVAL ACTION

TROTTER APARTMENTS (Continued) **S106076586**

AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	01072004
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	214
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	N
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0.50000
Unknown Type:	0
Alternate Address:	829 WEST OLIVE AVE.
Alternate City,St,Zip:	MONROVIA, CA 91016
Alternate Address:	831 WEST OLIVE AVENUE
Alternate City,St,Zip:	MONROVIA
Alternate Address:	827 WEST OLIVE AVENUE
Alternate City,St,Zip:	MONROVIA
Alternate Address:	832 WEST COLORADO BLVD
Alternate City,St,Zip:	MONROVIA
Alternate Address:	829 WEST OLIVE AVENUE
Alternate City,St,Zip:	MONROVIA
Alternate Address:	827/829 W OLIVE AVE & 832 W COLORADO BLV
Alternate City,St,Zip:	NROVIA, CA 91016
Alternate Address:	827/829 W OLIVE AVE & 832 W COLORADO BLV
Alternate City,St,Zip:	MONROVIA, CA 91016
Background Info:	This lead contaminated Site has been a joint project between LA County, US-EPA, and DTSC, with DTSC now as the Lead Agency. The Site originally consisted of five properties; 827, 829, 831 Olive Avenue and 824, 832 Colorado Blvd; but now two properties, 831 Olive and the 824 Colorado are determined clean. Lead contamination exists in sols from 0-2 and the contamination was probably from Barth's Battery Shop which was located on 832 Colorado Blvd. in the 1930s. In the 1930s the Olive Avenue properties were a vacant lot. The battery shop probably disposed their battery waste beind the business as pieces of battery casings have been found in Site soils. In the 1960s the Olive Avenue vacant lot was developed with the current residential buildings which were built on top of the battery waste. Grading of the lot prior to construction probably spread the lead waste throughout the properties. Not reported DTSC sampled in May and October 2001 to define the vertical and lateral extent of the lead contamination. DTSC then conducted an Emergency Removal Action in January 2002 to remove surface soils contaminated with lead that may pose a health risk to residents. After this action the 824 Colorado Blvd address was determined cleaned as only a small area in the

TROTTER APARTMENTS (Continued) **S106076586**

southwest corner of the property needed excavation. In May 2003 DTSC conducted a Removal Action to remove the remaining lead contaminated soil that was not covered by structures or paving. After this action the 831 Olive Avenue was determined cleaned as only a small area on the south western lot was excavated.
Not reported
DTSC believes that the health risk has been removed at the Site. Lead contaminated soil still exists there, but the areas where lead contaminated soil exists are either covered by concrete, asphalt, or building structures, and therefore do not pose a risk to human health or the environment.

Comments Date: 01072004
Comments: Lead contaminated soils still exist at the site, but are not
Comments Date: 01072004
Comments: considered a threat to human health nor the environment
Comments Date: 01072004
Comments: because those areas are either covered by building structures,
Comments Date: 01072004
Comments: driveway, or sidewalks.
Comments Date: 01072004
Comments: Not reported
Comments Date: 01072004
Comments: Final Removal Action Completion Report approved with
Comments Date: 01072004
Comments: supplemental information provided by DTSC.
Comments Date: 01252002
Comments: Five more locations were sampled at one adjacent property to
Comments Date: 01252002
Comments: clarify a previous abnormal hit. These samples discounted the
Comments Date: 01252002
Comments: previous hit and showed that there was not a problem with
Comments Date: 01252002
Comments: this property.
Comments Date: 02012002
Comments: 01/30-02/01/02 fifty five samples taken during a Removal Action.
Comments Date: 02062002
Comments: Removal Action completed. About 80 cubic yards were removed,
Comments Date: 02062002
Comments: most of which were in the backyard of 827 Olive Ave. Minor
Comments Date: 02062002
Comments: areas in 829 and 831 Olive Ave., and 824 and 832 Colorodo Blvd.
Comments Date: 02062002
Comments: were also removed. New replacement plants and a slurry coat
Comments Date: 02062002
Comments: to the 827 Olive Ave.a driveway were done.
Comments Date: 03032003
Comments: Thirty day Comment Period starts for the RAW.
Comments Date: 03292002
Comments: Landscaper filled and leveled excavation area, at 827 Olive per
Comments Date: 03292002
Comments: owners request. Cost of $1500.
Comments Date: 04292003
Comments: CEQA NOE has completed its 35 day posting without challange.
Comments Date: 04292003
Comments: Not reported
Comments Date: 04292003

TROTTER APARTMENTS (Continued) **S106076586**

Comments:	Approved final RAW, there were no comments presented in the
Comments Date:	04292003
Comments:	30 day comment period.
Comments Date:	05062002
Comments:	Paver repaired and re-surfaced part of the driveway at 827
Comments Date:	05062002
Comments:	Olive. Cost of $1100.
Comments Date:	05092001
Comments:	Initial sampling of the area was done under the Site Screening
Comments Date:	05092001
Comments:	program. 10 locations were sampled, with a high of 4,700 ppm
Comments Date:	05092001
Comments:	of lead.
Comments Date:	05282003
Comments:	Removal Actions starts. Excavate soils at 827,829,831 Olive
Comments Date:	05282003
Comments:	& at 832 Colorado. Demo & reconcrete 2 patios & driveway at
Comments Date:	05282003
Comments:	829 Olive, re-asphalt driveway at 827 Olive, asphalt east rear
Comments Date:	05282003
Comments:	park area at 832 Colorado. Relandscape 824 & 829 Olive,
Comments Date:	05282003
Comments:	spot removal at 831 Olive.
Comments Date:	06252003
Comments:	Finish Removal Action except for minor landscape issues & small
Comments Date:	06252003
Comments:	pave area.
Comments Date:	07012002
Comments:	Received $200,000 of Orphan Fund money to clean up near surface
Comments Date:	07012002
Comments:	soils that may be a threat to human health.
Comments Date:	08142003
Comments:	Draft Removal Action Completion Report by Performance Excavators.
Comments Date:	08142003
Comments:	Not reported
Comments Date:	10122001
Comments:	Under the Preliminary Assessment Program, 21 more locations were
Comments Date:	10122001
Comments:	sampled including adjacent properties, with a high of 18,800 ppm.
Comments Date:	10312001
Comments:	Four locations were sampled, with a high of 1,500 ppm.
ID Name:	Not reported
ID Value:	Not reported
Alternate Name:	TROTTER APARTMENTS
Alternate Name:	SAME
Alternate Name:	BARTH'S BATTERY SHOP
Alternate Name:	Not reported
Special Programs Code:	Not reported
Special Programs Name:	Not reported

CERS:

Name:	TROTTER APARTMENTS
Address:	827/829 W OLIVE AVE & 832 W COLORADO BLV
City,State,Zip:	MONROVIA, CA 91016
Site ID:	344049
CERS ID:	19000008
CERS Description:	State Response

TROTTER APARTMENTS (Continued) **S106076586**

Affiliation:

Affiliation Type Desc:	Supervisor
Entity Name:	Philip Chandler
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Lead Project Manager
Entity Name:	MARIA FABELLA
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	CHATSWORTH
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

---

68 **PROPOSED SCHOOL ADDITIONS** **ENVIROSTOR** **S109149558**
NE **845 WEST COLORADO BOULEVARD** **SCH** **N/A**
1/4-1/2 **MONROVIA, CA 91016**
0.493 mi.
2601 ft.

Relative:
Higher

Actual:
492 ft.

ENVIROSTOR:

Name:	PROPOSED SCHOOL ADDITIONS
Address:	845 WEST COLORADO BOULEVARD
City,State,Zip:	MONROVIA, CA 91016
Facility ID:	60000934
Status:	No Further Action
Status Date:	01/21/2009
Site Code:	304607
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	1.1
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	41
Senate:	25
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	34.14569
Longitude:	-118.0171
APN:	8505027900
Past Use:	AGRICULTURAL - ROW CROPS, SCHOOL - HIGH SCHOOL
Potential COC:	Arsenic Chlordane DDD DDE DDT Endrin Lead Toxaphene
Confirmed COC:	30001-NO 30004-NO 30023-NO 30013-NO 30006-NO 30007-NO 30008-NO

PROPOSED SCHOOL ADDITIONS (Continued) **S109149558**

30010-NO
Potential Description: SOIL
Alias Name: 8505027900
Alias Type: APN
Alias Name: 304607
Alias Type: Project Code (Site Code)
Alias Name: 60000934
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 08/04/2008
Comments: Signed agreement sent to District by regular mail.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 01/21/2009
Comments: DTSC prepared a Cost Recovery Unit project close out memorandum

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 07/21/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 10/02/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 01/22/2009
Comments: DTSC concurred with the PEA recommendation of No Further Action.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Name: PROPOSED SCHOOL ADDITIONS
Address: 845 WEST COLORADO BOULEVARD
City,State,Zip: MONROVIA, CA 91016
Facility ID: 60000934
Site Type: School Investigation

PROPOSED SCHOOL ADDITIONS (Continued) **S109149558**

Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	1.1
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Not reported
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	304607
Assembly:	41
Senate:	25
Special Program Status:	Not reported
Status:	No Further Action
Status Date:	01/21/2009
Restricted Use:	NO
Funding:	School District
Latitude:	34.14569
Longitude:	-118.0171
APN:	8505027900
Past Use:	AGRICULTURAL - ROW CROPS, SCHOOL - HIGH SCHOOL
Potential COC:	Arsenic, Chlordane, DDD, DDE, DDT, Endrin, Lead, Toxaphene
Confirmed COC:	30001-NO, 30004-NO, 30023-NO, 30013-NO, 30006-NO, 30007-NO, 30008-NO, 30010-NO
Potential Description:	SOIL
Alias Name:	8505027900
Alias Type:	APN
Alias Name:	304607
Alias Type:	Project Code (Site Code)
Alias Name:	60000934
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	08/04/2008
Comments:	Signed agreement sent to District by regular mail.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	01/21/2009
Comments:	DTSC prepared a Cost Recovery Unit project close out memorandum
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase 1
Completed Date:	07/21/2008
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Workplan
Completed Date:	10/02/2008
Comments:	Not reported

PROPOSED SCHOOL ADDITIONS (Continued) **S109149558**

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	01/22/2009
Comments:	DTSC concurrent with the PEA recommendation of No Further Action.
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

69
NNW
1/4-1/2
0.496 mi.
2620 ft.

ARCADIA CITY LANDFILL **WMUDS/SWAT** **S100751952**
100' W OF 2ND ST, 1000' S FOOT **N/A**
ARCADIA, CA

Relative:
Higher

Actual:
519 ft.

WMUDS/SWAT:

Edit Date:	Not reported
Complexity:	Not reported
Primary Waste:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Base Meridian:	Not reported
NPID:	Not reported
Tonnage:	0
Regional Board ID:	Not reported
Municipal Solid Waste:	False
Superorder:	False
Open To Public:	False
Waste List:	False
Agency Type:	Not reported
Agency Name:	CITY OF ARCADIA
Agency Department:	Not reported
Agency Address:	Not reported
Agency City,St,Zip:	Not reported
Agency Contact:	Not reported
Agency Telephone:	Not reported
Land Owner Name:	Not reported
Land Owner Address:	Not reported
Land Owner City,St,Zip:	CA
Land Owner Contact:	Not reported
Land Owner Phone:	Not reported
Region:	4
Facility Type:	Not reported
Facility Description:	Not reported
Facility Telephone:	Not reported
SWAT Facility Name:	Not reported
Primary SIC:	Not reported
Secondary SIC:	Not reported
Comments:	Not reported
Last Facility Editors:	Not reported

ARCADIA CITY LANDFILL (Continued) **S100751952**

Waste Discharge System:	False
Solid Waste Assessment Test Program:	True
Toxic Pits Cleanup Act Program:	False
Resource Conservation Recovery Act:	False
Department of Defence:	False
Solid Waste Assessment Test Program:	CITY OF ARCADIA
Threat to Water Quality:	Not reported
Sub Chapter 15:	False
Regional Board Project Officer:	R_N
Number of WMUDS at Facility:	1
Section Range:	Not reported
RCRA Facility:	Not reported
Waste Discharge Requirements:	Not reported
Self-Monitoring Rept. Frequency:	Not reported
Waste Discharge System ID:	4 190161NUR
Solid Waste Information ID:	Not reported

---

70 **TRANSAMERICA DELAVAL BARKSDALE** **ENVIROSTOR** **S102860888**
WNW **333 NORTH SANTA ANITA DRIVE, SUITE 9** **N/A**
1/2-1 **ARCADIA, CA 91006**
0.518 mi.
2735 ft.

Relative: **Higher**

Actual: **502 ft.**

ENVIROSTOR:

Name:	TRANSAMERICA DELAVAL BARKSDALE
Address:	333 NORTH SANTA ANITA DRIVE, SUITE 9
City,State,Zip:	ARCADIA, CA 91006
Facility ID:	19360517
Status:	Refer: Other Agency
Status Date:	05/01/1984
Site Code:	Not reported
Site Type:	Historical
Site Type Detailed:	* Historical
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	* Mmonroy
Division Branch:	Cleanup Chatsworth
Assembly:	49
Senate:	22
Special Program:	* RCRA 3012 - Past Haz Waste Disp Inven Site
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	34.14445
Longitude:	-118.0322
APN:	5775022006
Past Use:	NONE SPECIFIED
Potential COC:	* OXYGENATED SOLVENTS * ACID SOLUTION 2>PH WITH METALS * UNSPECIFIED SOLVENT MIXTURES Chromium VI
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	SHAFER ENGINEERING
Alias Type:	Alternate Name
Alias Name:	5775022006
Alias Type:	APN

TRANSAMERICA DELAVAL BARKSDALE (Continued) **S102860888**

Alias Name: CAT000646349
Alias Type: EPA Identification Number
Alias Name: 19360517
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 10/11/1983
Comments: FACILITY IDENTIFIED ID FROM ERRIS

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 10/25/1994
Comments: Database verification project confirms NFA for DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 05/01/1984
Comments: INSPECTION(LOCAL) ANNUAL FIRE & BUREAU OF SANITATION INSP. SOURCE ACT: T/C W/ L.NELSON,TRANSAMERICA 213-589-6181 4/25/84 - MFG CONTROL DEVIC ACCORDING TO SHAFER TRANSAMERICA, IN- CINERATE SOLVENTS IN A DIFFUSION FURNACE SUBMIT TO EPA PRELIM ASSESS DONE RCRA 3012

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Q71 **ROSS FIELD** **FUDS** **1024904086**
WSW **N/A**
1/2-1 **NO CITY, CA**
0.904 mi.
4775 ft. **Site 1 of 2 in cluster Q**

Relative: **Lower**
Actual: **443 ft.**

FUDS:
EPA Region: 9
Installation ID: CA99799FA46200
Congressional District Number: 27
Facility Name: ROSS FIELD
FUDS Number: J09CA7435
City: NO CITY
State: CA
County: LOS ANGELES
Telephone: 213-452-3920
USACE Division: South Pacific Division (SPD)
USACE District: Los Angeles District (SPL)
Status: Properties without projects
Current Owner: Not reported
X Coord: -118.037499999624

ROSS FIELD (Continued) **1024904086**

Y Coord: 34.1333333296703
Latitude: 34.133333329999999
Longitude: -118.03749999999999

Q72 **ROSS FIELD** **ENVIROSTOR** **S107737173**
WSW **N/A**
1/2-1 **ARCADIA, CA**
0.904 mi.
4775 ft. **Site 2 of 2 in cluster Q**

Relative:
Lower

Actual:
443 ft.

ENVIROSTOR:

Name:	ROSS FIELD
Address:	Not reported
City,State,Zip:	ARCADIA, CA
Facility ID:	80001133
Status:	Inactive - Needs Evaluation
Status Date:	07/01/2005
Site Code:	Not reported
Site Type:	Military Evaluation
Site Type Detailed:	FUDS
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Douglas Bautista
Division Branch:	Cleanup Cypress
Assembly:	49
Senate:	22
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	DERA
Latitude:	34.13333
Longitude:	-118.0375
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CA99799FA46200
Alias Type:	Federal Facility ID
Alias Name:	J09CA7435
Alias Type:	INPR
Alias Name:	80001133
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Inventory Project Report (INPR)
Completed Date:	09/27/1999
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported

ROSS FIELD (Continued) **S107737173**

Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Count: 0 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
		NO SITES FOUND			

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: EPA
Telephone: N/A
Last EDR Contact: 07/30/2019
Next Scheduled EDR Contact: 10/14/2019
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: EPA
Telephone: N/A
Last EDR Contact: 07/30/2019
Next Scheduled EDR Contact: 10/14/2019
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: EPA
Telephone: N/A
Last EDR Contact: 07/30/2019
Next Scheduled EDR Contact: 10/14/2019
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 04/03/2019
Date Data Arrived at EDR: 04/05/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 07/03/2019
Next Scheduled EDR Contact: 10/14/2019
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 07/30/2019
Next Scheduled EDR Contact: 10/28/2019
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 07/30/2019
Next Scheduled EDR Contact: 10/28/2019
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/25/2019
Date Data Arrived at EDR: 03/27/2019
Date Made Active in Reports: 04/17/2019
Number of Days to Update: 21

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/26/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/25/2019
Date Data Arrived at EDR: 03/27/2019
Date Made Active in Reports: 04/17/2019
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/26/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/25/2019
Date Data Arrived at EDR: 03/27/2019
Date Made Active in Reports: 04/17/2019
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/26/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 03/25/2019
Date Data Arrived at EDR: 03/27/2019
Date Made Active in Reports: 04/17/2019
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/26/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/25/2019
Date Data Arrived at EDR: 03/27/2019
Date Made Active in Reports: 04/17/2019
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/26/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 08/13/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 08/26/2019
Number of Days to Update: 6

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 08/07/2019
Next Scheduled EDR Contact: 11/25/2019
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 08/19/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 08/26/2019
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/20/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 08/19/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 08/26/2019
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/20/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 03/25/2019
Date Data Arrived at EDR: 03/26/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 36

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 06/26/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Quarterly

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 04/29/2019
Date Data Arrived at EDR: 04/30/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 58

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/31/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 04/29/2019
Date Data Arrived at EDR: 04/30/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 58

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/31/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/13/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 07/17/2019
Number of Days to Update: 64

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 08/13/2019
Next Scheduled EDR Contact: 11/25/2019
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST REG 7: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks
California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

LUST REG 9: Leaking Underground Storage Tank Report
Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)
Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 08/05/2019
Number of Days to Update: 55

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 06/11/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Quarterly

LUST REG 6V: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List
Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 10/17/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 10/10/2018
Date Data Arrived at EDR: 03/08/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/16/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 02/19/2019
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 09/24/2018
Date Data Arrived at EDR: 03/12/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 50
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 07/23/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/13/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/12/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 11/01/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)
Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 08/05/2019
Number of Days to Update: 55
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/11/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35
Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36
Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11
Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17
Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: No Update Planned

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 05/15/2017
Date Data Arrived at EDR: 05/30/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 136
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 08/26/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Varies

MILITARY UST SITES: Military UST Sites (GEOTRACKER)
Military ust sites

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 43
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/11/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Varies

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases

UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/12/2019
Date Made Active in Reports: 07/23/2019
Number of Days to Update: 41

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 06/12/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Varies

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 07/23/2019
Number of Days to Update: 42

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 06/11/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 06/17/2019
Next Scheduled EDR Contact: 09/30/2019
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 11/07/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 10/16/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 08/05/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 11/01/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 10/12/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/05/2019
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 09/24/2018
Date Data Arrived at EDR: 03/12/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 50

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 07/23/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 10/17/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 10/10/2018
Date Data Arrived at EDR: 03/08/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 54

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/03/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142
Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 06/20/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties
Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 04/29/2019
Date Data Arrived at EDR: 04/30/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 58
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/31/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Quarterly

State and tribal Brownfields sites

BROWNFIELDS: Considered Brownfieds Sites Listing
A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 06/24/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/21/2019
Number of Days to Update: 57
Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 06/25/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 06/03/2019
Date Data Arrived at EDR: 06/04/2019
Date Made Active in Reports: 08/26/2019
Number of Days to Update: 83
Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/04/2019
Next Scheduled EDR Contact: 09/30/2019
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database
Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 07/25/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 06/11/2019
Date Data Arrived at EDR: 06/12/2019
Date Made Active in Reports: 08/15/2019
Number of Days to Update: 64

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/12/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 03/26/2019
Date Data Arrived at EDR: 03/27/2019
Date Made Active in Reports: 04/30/2019
Number of Days to Update: 34

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 08/07/2019
Next Scheduled EDR Contact: 11/25/2019
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 07/25/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Varies

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 07/19/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 08/02/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 06/11/2019
Date Data Arrived at EDR: 06/13/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 04/29/2019
Date Data Arrived at EDR: 04/30/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 58

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/31/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/12/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 55

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 07/08/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Varies

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

CERS HAZ WASTE: CERS HAZ WASTE

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

Date of Government Version: 08/14/2019
Date Data Arrived at EDR: 08/14/2019
Date Made Active in Reports: 08/21/2019
Number of Days to Update: 7

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Quarterly

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 06/11/2019
Date Data Arrived at EDR: 06/13/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Quarterly

PFAS: PFAS Contamination Site Location Listing

A listing of PFAS contaminated sites included in the GeoTracker database.

Date of Government Version: 06/28/2019
Date Data Arrived at EDR: 06/28/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 26

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/28/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Varies

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 12/04/2018
Date Data Arrived at EDR: 12/06/2018
Date Made Active in Reports: 12/14/2018
Number of Days to Update: 8

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing
Aboveground storage tank sites

Date of Government Version: 09/11/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/11/2018
Number of Days to Update: 29

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 07/31/2019
Next Scheduled EDR Contact: 11/18/2019
Data Release Frequency: Varies

CA FID UST: Facility Inventory Database
The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CERS TANKS: California Environmental Reporting System (CERS) Tanks
List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 08/14/2019
Date Data Arrived at EDR: 08/14/2019
Date Made Active in Reports: 08/21/2019
Number of Days to Update: 7

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Quarterly

Local Land Records

LIENS: Environmental Liens Listing
A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 06/05/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 08/09/2019
Number of Days to Update: 64

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/28/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information
A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 07/30/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 07/30/2019
Next Scheduled EDR Contact: 10/14/2019
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/04/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 65

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 09/04/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 03/25/2019
Date Data Arrived at EDR: 03/26/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 49

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 06/26/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 05/15/2019
Date Data Arrived at EDR: 06/24/2019
Date Made Active in Reports: 08/21/2019
Number of Days to Update: 58

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 07/26/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 08/05/2019
Number of Days to Update: 55

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/11/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 43

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/11/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/25/2019
Date Data Arrived at EDR: 03/27/2019
Date Made Active in Reports: 04/17/2019
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/26/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 05/15/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 79

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 08/23/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 07/09/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 07/10/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 08/16/2019
Next Scheduled EDR Contact: 11/25/2019
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 03/25/2019
Date Data Arrived at EDR: 03/26/2019
Date Made Active in Reports: 05/07/2019
Number of Days to Update: 42

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 06/26/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 08/05/2019
Next Scheduled EDR Contact: 11/18/2019
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 08/09/2019
Next Scheduled EDR Contact: 11/18/2019
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/21/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 198

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/18/2019
Next Scheduled EDR Contact: 09/30/2019
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 01/10/2018
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 2

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 08/23/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 09/30/2018
Date Data Arrived at EDR: 04/24/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 106

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/26/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 07/30/2019
Next Scheduled EDR Contact: 09/16/2019
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 04/25/2019
Date Data Arrived at EDR: 05/02/2019
Date Made Active in Reports: 05/23/2019
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 07/22/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 04/11/2019
Date Data Arrived at EDR: 04/18/2019
Date Made Active in Reports: 05/23/2019
Number of Days to Update: 35
Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 07/30/2019
Next Scheduled EDR Contact: 11/18/2019
Data Release Frequency: Quarterly

PADS: PCB Activity Database System
PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 03/20/2019
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 34
Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 07/12/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System
The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 07/03/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 06/20/2019
Date Data Arrived at EDR: 06/20/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 49
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 09/04/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 06/07/2019
Next Scheduled EDR Contact: 09/16/2019
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 09/03/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 05/24/2017
Date Data Arrived at EDR: 11/30/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 15
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 08/09/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 04/02/2019
Date Data Arrived at EDR: 04/02/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 42
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 07/01/2019
Next Scheduled EDR Contact: 10/14/2019
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 04/01/2019
Date Data Arrived at EDR: 04/30/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 100

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 07/31/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 05/23/2019
Number of Days to Update: 30

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 07/08/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 06/26/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 07/10/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 07/30/2019
Next Scheduled EDR Contact: 11/18/2019
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 06/23/2017
Date Data Arrived at EDR: 10/11/2017
Date Made Active in Reports: 11/03/2017
Number of Days to Update: 23

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 07/30/2019
Next Scheduled EDR Contact: 10/14/2019
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 05/03/2019
Date Data Arrived at EDR: 05/29/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 71

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 08/27/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/30/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/30/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 03/27/2019
Date Data Arrived at EDR: 03/28/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 34

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 08/27/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 05/03/2019
Date Data Arrived at EDR: 06/05/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 90

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 09/04/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 07/26/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 71

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Varies

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 01/17/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 74

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 07/15/2019
Next Scheduled EDR Contact: 10/28/2019
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 04/07/2019
Date Data Arrived at EDR: 04/09/2019
Date Made Active in Reports: 05/23/2019
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 07/09/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Quarterly

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 05/20/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 79

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 08/20/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Quarterly

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 06/24/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/21/2019
Number of Days to Update: 57

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 06/25/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Quarterly

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing

list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 07/17/2019
Number of Days to Update: 64

Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 08/15/2019
Next Scheduled EDR Contact: 11/25/2019
Data Release Frequency: Varies

CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

Date of Government Version: 04/18/2019
Date Data Arrived at EDR: 04/19/2019
Date Made Active in Reports: 04/30/2019
Number of Days to Update: 11

Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 07/31/2019
Next Scheduled EDR Contact: 11/18/2019
Data Release Frequency: Varies

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/28/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 55

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 08/28/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Annually

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 03/19/2019
Date Data Arrived at EDR: 03/22/2019
Date Made Active in Reports: 04/09/2019
Number of Days to Update: 18

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Varies

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 06/03/2019
Date Data Arrived at EDR: 06/04/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 65

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 08/28/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Varies

EMI: Emissions Inventory Data
Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/24/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 59

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 06/24/2019
Next Scheduled EDR Contact: 09/30/2019
Data Release Frequency: Varies

ENF: Enforcement Action Listing
A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 11/01/2018
Date Data Arrived at EDR: 11/02/2018
Date Made Active in Reports: 12/13/2018
Number of Days to Update: 41

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 07/18/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
Financial Assurance information

Date of Government Version: 04/22/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 07/19/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing
A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 05/15/2019
Date Data Arrived at EDR: 05/16/2019
Date Made Active in Reports: 07/18/2019
Number of Days to Update: 63

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 08/07/2019
Next Scheduled EDR Contact: 11/25/2019
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 05/29/2019
Date Made Active in Reports: 07/22/2019
Number of Days to Update: 54

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 07/12/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 05/20/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 07/18/2019
Number of Days to Update: 58

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 08/20/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 05/20/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 07/18/2019
Number of Days to Update: 58

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/20/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 04/08/2019
Date Data Arrived at EDR: 04/09/2019
Date Made Active in Reports: 05/30/2019
Number of Days to Update: 51

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 07/09/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Quarterly

MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 08/15/2019
Number of Days to Update: 65

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 06/11/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 05/17/2019
Date Data Arrived at EDR: 06/04/2019
Date Made Active in Reports: 08/09/2019
Number of Days to Update: 66

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 09/04/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Varies

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 05/13/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 07/17/2019
Number of Days to Update: 64

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 08/13/2019
Next Scheduled EDR Contact: 11/25/2019
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing

A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/04/2019
Date Made Active in Reports: 08/09/2019
Number of Days to Update: 66

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 09/04/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Quarterly

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 06/11/2019
Date Data Arrived at EDR: 06/12/2019
Date Made Active in Reports: 08/15/2019
Number of Days to Update: 64

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/12/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 06/17/2019
Date Data Arrived at EDR: 06/18/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 65

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 06/17/2019
Next Scheduled EDR Contact: 09/30/2019
Data Release Frequency: No Update Planned

UIC: UIC Listing

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 04/27/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/17/2018
Number of Days to Update: 34

Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 08/20/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)
Underground control injection sites

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 43

Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/11/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing
Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 05/08/2018
Date Data Arrived at EDR: 07/11/2018
Date Made Active in Reports: 09/13/2018
Number of Days to Update: 64

Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 07/12/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Varies

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: No Update Planned

WIP: Well Investigation Program Case List
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 06/19/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)
Military privatized sites

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 43

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/11/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)
Projects sites

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 43

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/11/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing
In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 06/11/2019
Date Data Arrived at EDR: 06/12/2019
Date Made Active in Reports: 08/15/2019
Number of Days to Update: 64

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 06/12/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/04/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 65

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 09/04/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 08/14/2019
Date Data Arrived at EDR: 08/14/2019
Date Made Active in Reports: 08/21/2019
Number of Days to Update: 7

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 43

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/11/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 43

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/11/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)

Produced water ponds sites

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 43

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/11/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)

Sampling point - public sites

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 43

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/11/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)

Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 43

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/11/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 07/08/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 04/10/2019
Date Data Arrived at EDR: 04/11/2019
Date Made Active in Reports: 06/20/2019
Number of Days to Update: 70

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 04/24/2047
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List
Cupa Facility List

Date of Government Version: 06/27/2019
Date Data Arrived at EDR: 06/28/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 26

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 08/28/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing
Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 07/08/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 05/02/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 27

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 06/24/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 05/17/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 07/18/2019
Number of Days to Update: 58

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 11/18/2019
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 05/22/2019
Date Data Arrived at EDR: 05/23/2019
Date Made Active in Reports: 07/18/2019
Number of Days to Update: 56

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 07/26/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 02/20/2019
Date Data Arrived at EDR: 05/01/2019
Date Made Active in Reports: 05/30/2019
Number of Days to Update: 29

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 07/25/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 06/05/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 07/23/2019
Number of Days to Update: 47

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 07/26/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: CUPA Resources List
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 04/10/2019
Date Data Arrived at EDR: 04/11/2019
Date Made Active in Reports: 04/30/2019
Number of Days to Update: 19

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 06/26/2019
Next Scheduled EDR Contact: 10/14/2019
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 07/19/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 12/11/2018
Date Data Arrived at EDR: 12/13/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 33

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 08/19/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/24/2019
Date Data Arrived at EDR: 04/25/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 63

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 07/19/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

INYO COUNTY:

CUPA INYO: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 72

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Varies

KERN COUNTY:

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 05/06/2019
Date Data Arrived at EDR: 05/07/2019
Date Made Active in Reports: 07/16/2019
Number of Days to Update: 70

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 07/31/2019
Next Scheduled EDR Contact: 11/18/2019
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 05/16/2019
Date Data Arrived at EDR: 05/17/2019
Date Made Active in Reports: 05/30/2019
Number of Days to Update: 13

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List
Cupa facility list

Date of Government Version: 05/30/2019
Date Data Arrived at EDR: 05/31/2019
Date Made Active in Reports: 07/23/2019
Number of Days to Update: 53

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 07/15/2019
Next Scheduled EDR Contact: 10/28/2019
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List
Cupa facility list

Date of Government Version: 01/17/2019
Date Data Arrived at EDR: 01/18/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 46

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 07/19/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: N/A
Telephone: N/A
Last EDR Contact: 06/17/2019
Next Scheduled EDR Contact: 09/30/2019
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 05/13/2019
Date Data Arrived at EDR: 05/16/2019
Date Made Active in Reports: 07/18/2019
Number of Days to Update: 63

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 07/08/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 04/15/2019
Date Data Arrived at EDR: 04/16/2019
Date Made Active in Reports: 06/21/2019
Number of Days to Update: 66

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 07/17/2019
Next Scheduled EDR Contact: 10/28/2019
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 01/15/2019
Date Made Active in Reports: 03/07/2019
Number of Days to Update: 51

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 07/12/2019
Next Scheduled EDR Contact: 10/28/2019
Data Release Frequency: Varies

LOS ANGELES AST: Active & Inactive AST Inventory
A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 06/25/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Varies

LOS ANGELES CO LF METHANE: Methane Producing Landfills

This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 04/30/2012
Date Data Arrived at EDR: 04/17/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 42

Source: Los Angeles County Department of Public Works
Telephone: 626-458-6973
Last EDR Contact: 07/19/2019
Next Scheduled EDR Contact: 10/28/2019
Data Release Frequency: No Update Planned

LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory

A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 06/25/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Varies

LOS ANGELES UST: Active & Inactive UST Inventory

A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 06/25/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 07/15/2019
Date Data Arrived at EDR: 07/17/2019
Date Made Active in Reports: 08/05/2019
Number of Days to Update: 19

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 07/17/2019
Next Scheduled EDR Contact: 10/28/2019
Data Release Frequency: Annually

UST EL SEGUNDO: City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 07/12/2019
Next Scheduled EDR Contact: 10/28/2019
Data Release Frequency: No Update Planned

UST LONG BEACH: City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 65

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 07/19/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 04/04/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 65

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 07/19/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 05/28/2019
Date Data Arrived at EDR: 05/30/2019
Date Made Active in Reports: 08/05/2019
Number of Days to Update: 67

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 29

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 06/26/2019
Next Scheduled EDR Contact: 10/14/2019
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 05/29/2019
Date Data Arrived at EDR: 05/30/2019
Date Made Active in Reports: 07/22/2019
Number of Days to Update: 53

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 05/23/2019
Date Data Arrived at EDR: 05/30/2019
Date Made Active in Reports: 07/22/2019
Number of Days to Update: 53

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 09/09/2019
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 02/05/2019
Date Data Arrived at EDR: 02/07/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 26

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 06/28/2019
Next Scheduled EDR Contact: 10/14/2019
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 02/21/2019
Date Data Arrived at EDR: 02/22/2019
Date Made Active in Reports: 03/08/2019
Number of Days to Update: 14

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 05/20/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 05/30/2019
Number of Days to Update: 9

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 07/25/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 05/09/2019
Date Made Active in Reports: 05/30/2019
Number of Days to Update: 21

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/05/2019
Next Scheduled EDR Contact: 11/18/2019
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 05/09/2019
Date Made Active in Reports: 05/30/2019
Number of Days to Update: 21

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/05/2019
Next Scheduled EDR Contact: 11/18/2019
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 04/02/2019
Date Data Arrived at EDR: 05/07/2019
Date Made Active in Reports: 07/16/2019
Number of Days to Update: 70

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/05/2019
Next Scheduled EDR Contact: 11/18/2019
Data Release Frequency: Quarterly

PLACER COUNTY:

MS PLACER: Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 06/03/2019
Date Data Arrived at EDR: 06/04/2019
Date Made Active in Reports: 08/12/2019
Number of Days to Update: 69

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 08/28/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 07/19/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

RIVERSIDE COUNTY:

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 04/11/2019
Date Data Arrived at EDR: 04/12/2019
Date Made Active in Reports: 04/30/2019
Number of Days to Update: 18

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/17/2019
Next Scheduled EDR Contact: 09/30/2019
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 04/11/2019
Date Data Arrived at EDR: 04/12/2019
Date Made Active in Reports: 06/20/2019
Number of Days to Update: 69

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/17/2019
Next Scheduled EDR Contact: 09/30/2019
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 05/06/2019
Date Data Arrived at EDR: 06/28/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 55

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 06/28/2019
Next Scheduled EDR Contact: 10/14/2019
Data Release Frequency: Quarterly

ML SACRAMENTO: Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 02/06/2019
Date Data Arrived at EDR: 04/02/2019
Date Made Active in Reports: 06/20/2019
Number of Days to Update: 79

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 06/28/2019
Next Scheduled EDR Contact: 10/14/2019
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List

Cupa facility list

Date of Government Version: 03/11/2019
Date Data Arrived at EDR: 03/13/2019
Date Made Active in Reports: 04/30/2019
Number of Days to Update: 48

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 07/16/2019
Next Scheduled EDR Contact: 11/18/2019
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 05/31/2019
Date Data Arrived at EDR: 05/31/2019
Date Made Active in Reports: 07/22/2019
Number of Days to Update: 52

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 08/05/2019
Next Scheduled EDR Contact: 11/18/2019
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

HMMD SAN DIEGO: Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/04/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 65

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 09/04/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities
San Diego County Solid Waste Facilities.

Date of Government Version: 04/18/2018
Date Data Arrived at EDR: 04/24/2018
Date Made Active in Reports: 06/19/2018
Number of Days to Update: 56
Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 07/19/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing
A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 04/24/2019
Date Data Arrived at EDR: 04/25/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 63
Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 07/19/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

SAN DIEGO CO SAM: Environmental Case Listing
The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24
Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 08/28/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

LUST SAN FRANCISCO: Local Oversite Facilities
A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10
Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 07/31/2019
Next Scheduled EDR Contact: 11/18/2019
Data Release Frequency: No Update Planned

UST SAN FRANCISCO: Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/05/2018
Date Data Arrived at EDR: 11/06/2018
Date Made Active in Reports: 12/14/2018
Number of Days to Update: 38
Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 07/31/2019
Next Scheduled EDR Contact: 11/18/2019
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15
Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 06/17/2019
Next Scheduled EDR Contact: 09/30/2019
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 05/20/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 07/18/2019
Number of Days to Update: 58

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 08/06/2019
Date Data Arrived at EDR: 08/14/2019
Date Made Active in Reports: 08/15/2019
Number of Days to Update: 1

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019
Date Data Arrived at EDR: 03/29/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 61

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/10/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 05/16/2019
Date Data Arrived at EDR: 05/23/2019
Date Made Active in Reports: 07/18/2019
Number of Days to Update: 56

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LUST SANTA CLARA: LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13
Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 05/19/2019
Date Data Arrived at EDR: 05/23/2019
Date Made Active in Reports: 07/22/2019
Number of Days to Update: 60
Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 07/31/2019
Next Scheduled EDR Contact: 11/18/2019
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90
Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA SHASTA: CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51
Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 08/13/2019
Number of Days to Update: 68
Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 08/28/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 07/23/2019
Number of Days to Update: 47
Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 08/28/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 06/18/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 29

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 06/19/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 04/03/2019
Date Data Arrived at EDR: 04/11/2019
Date Made Active in Reports: 04/30/2019
Number of Days to Update: 19

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 06/19/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 12/11/2018
Date Data Arrived at EDR: 12/13/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 33

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 07/15/2019
Next Scheduled EDR Contact: 10/28/2019
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 06/03/2019
Date Data Arrived at EDR: 06/04/2019
Date Made Active in Reports: 07/23/2019
Number of Days to Update: 49

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 08/28/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 05/20/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 07/18/2019
Number of Days to Update: 58

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 07/31/2019
Next Scheduled EDR Contact: 11/18/2019
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 04/24/2019
Date Data Arrived at EDR: 04/25/2019
Date Made Active in Reports: 06/28/2019
Number of Days to Update: 64

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 07/19/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 05/09/2019
Date Data Arrived at EDR: 05/10/2019
Date Made Active in Reports: 07/17/2019
Number of Days to Update: 68

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 08/05/2019
Next Scheduled EDR Contact: 11/18/2019
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List
Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 07/31/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

VENTURA COUNTY:

BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 03/26/2019
Date Data Arrived at EDR: 04/25/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 63

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 07/22/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Quarterly

LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 06/26/2019
Next Scheduled EDR Contact: 10/14/2019
Data Release Frequency: No Update Planned

LUST VENTURA: Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 08/07/2019
Next Scheduled EDR Contact: 11/25/2019
Data Release Frequency: No Update Planned

MED WASTE VENTURA: Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 03/26/2019
Date Data Arrived at EDR: 04/25/2019
Date Made Active in Reports: 05/30/2019
Number of Days to Update: 35
Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 07/22/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Quarterly

UST VENTURA: Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/12/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 42
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 06/12/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 06/26/2019
Date Data Arrived at EDR: 06/28/2019
Date Made Active in Reports: 07/31/2019
Number of Days to Update: 33
Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 06/26/2019
Next Scheduled EDR Contact: 10/14/2019
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 05/03/2019
Date Data Arrived at EDR: 05/07/2019
Date Made Active in Reports: 07/16/2019
Number of Days to Update: 70
Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 07/25/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 05/14/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 08/05/2019
Number of Days to Update: 83
Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 08/07/2019
Next Scheduled EDR Contact: 11/25/2019
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 07/09/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 05/01/2019
Date Made Active in Reports: 06/21/2019
Number of Days to Update: 51

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 10/23/2018
Date Made Active in Reports: 11/27/2018
Number of Days to Update: 35

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/15/2019
Next Scheduled EDR Contact: 10/28/2019
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 02/23/2018
Date Made Active in Reports: 04/09/2018
Number of Days to Update: 45

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 08/16/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/10/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: PennWell Corporation
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data
Source: PennWell Corporation
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

ELITE HOLDINGS & ASSOCIATES, LLC
233 EAST HUNTINGTON DRIVE
ARCADIA, CA 91006

TARGET PROPERTY COORDINATES

Latitude (North):	34.140713 - 34° 8' 26.57''
Longitude (West):	118.023777 - 118° 1' 25.60''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	405608.6
UTM Y (Meters):	3778036.5
Elevation:	483 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5636853 MOUNT WILSON, CA
Version Date:	2012
South Map:	5630799 EL MONTE, CA
Version Date:	2012

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

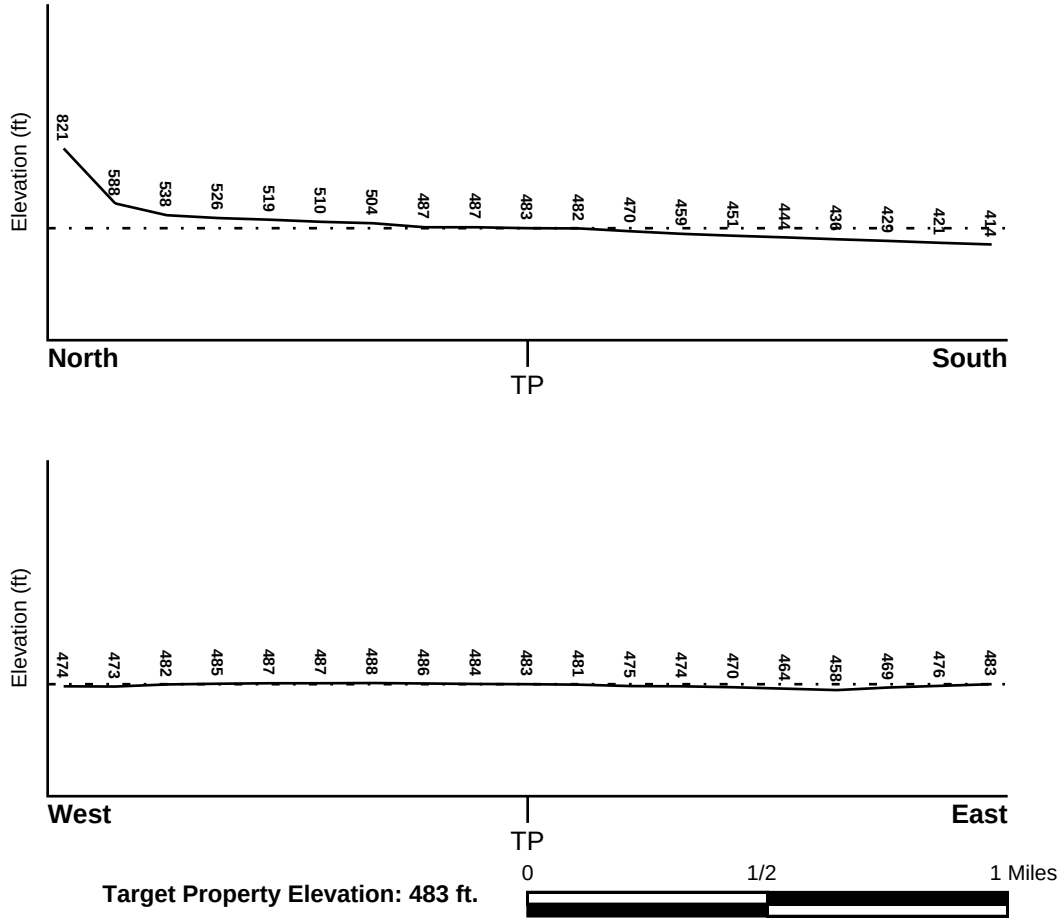
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SSE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
06037C1400F	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
Not Reported	

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
MOUNT WILSON	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
4	1/2 - 1 Mile SSW	SW
1G	1/2 - 1 Mile SSW	SW

For additional site information, refer to Physical Setting Source Map Findings.

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: URBAN LAND

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class: Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 10 inches

Depth to Bedrock Max: > 10 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures:
loam
clay
silt loam
loamy sand
sandy loam
fine sand
clay loam
gravelly - sandy loam
coarse sand
gravelly - sand
sand

Surficial Soil Types:
loam
clay
silt loam
loamy sand
sandy loam
fine sand
clay loam
gravelly - sandy loam
coarse sand
gravelly - sand
sand

Shallow Soil Types:
fine sandy loam
gravelly - loam
sand
silty clay

Deeper Soil Types:
stratified
clay loam
silty clay loam
gravelly - sandy loam
coarse sand
sand
weathered bedrock
very fine sandy loam

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	USGS40000142001	1/8 - 1/4 Mile NNW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
2	CA1910003	1/2 - 1 Mile West

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

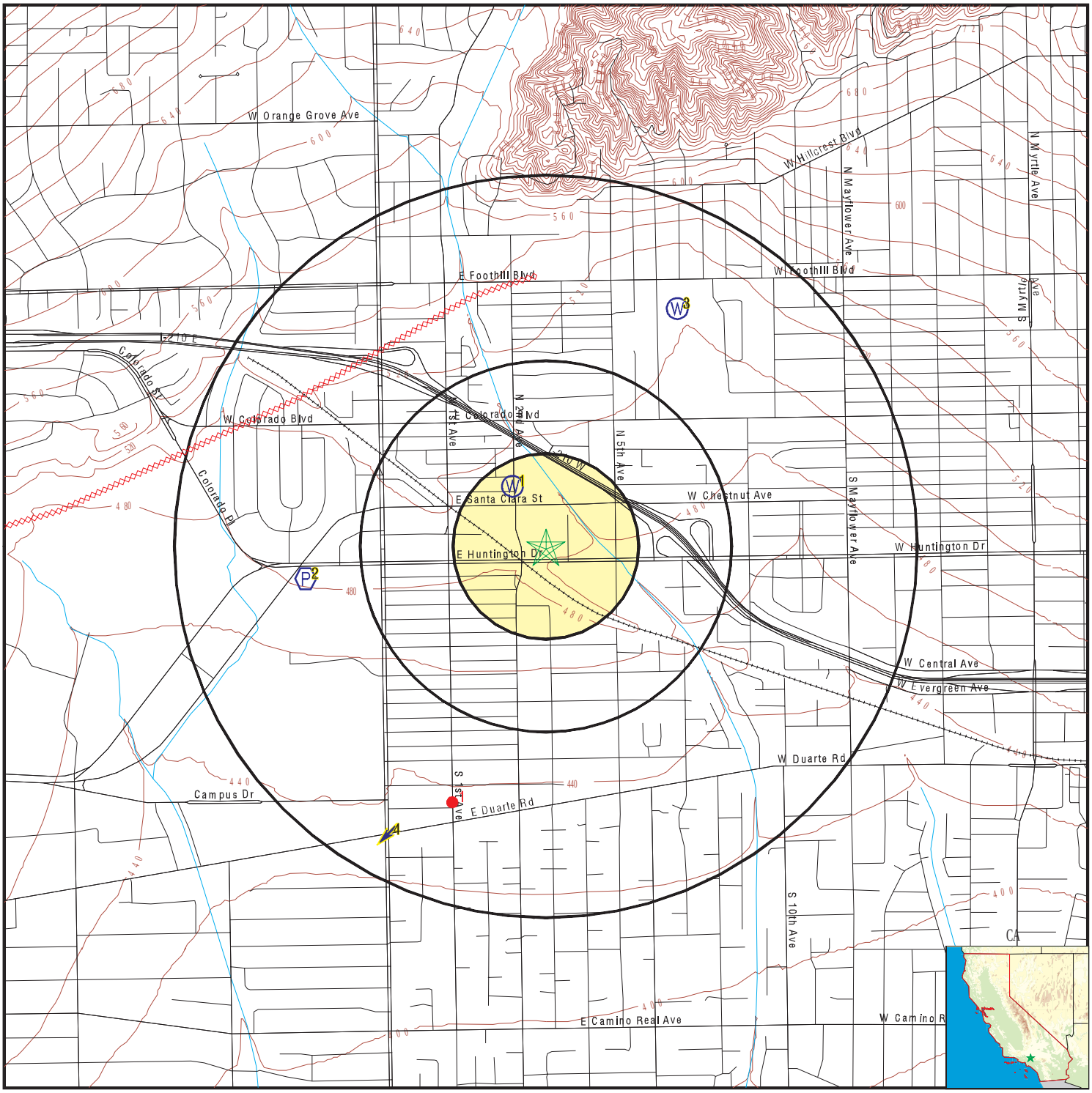
MAP ID	WELL ID	LOCATION FROM TP
3	422	1/2 - 1 Mile NNE

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	CAOG13000005705	1/2 - 1 Mile SSW

PHYSICAL SETTING SOURCE MAP - 5779247.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	Elite Holdings & Associates, LLC	CLIENT:	CCI
ADDRESS:	233 East Huntington Drive Arcadia CA 91006	CONTACT:	David Jonas
		INQUIRY #:	5779247.2s
LAT/LONG:	34.140713 / 118.023777	DATE:	September 05, 2019 8:32 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

1
NNW **FED USGS** **USGS40000142001**
1/8 - 1/4 Mile
Higher

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001N011W27F001S	Type:	Well
Description:	Not Reported	HUC:	18070105
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	800
Well Depth Units:	ft	Well Hole Depth:	800
Well Hole Depth Units:	ft		

2
West **FRDS PWS** **CA1910003**
1/2 - 1 Mile
Higher

Epa region:	09	State:	CA
Pwsid:	CA1910003	Pwsname:	CITY OF ARCADIA
Cityserved:	Not Reported	Stateserved:	CA
Zipserved:	Not Reported	Fipscounty:	06037
Status:	Active	Retpopsrvd:	44180
Pwssvcconn:	13607	Psource longname:	Groundwater
Pwstype:	CWS	Owner:	Local_Govt
Contact:	CLARK, CRAIG	Contactorgname:	CLARK, CRAIG
Contactphone:	626-256-6583	Contactaddress1:	P.O.BOX 60021
Contactaddress2:	Not Reported	Contactcity:	ARCADIA
Contactstate:	CA	Contactzip:	91066-6021
Pwsactivitycode:	A		

Pwsid:	CA1910003	Facid:	22
Facname:	ORANGE GROVE RESERVOIRS BLEND - TREATED		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	hypochlorination, post
Factypecode:	TP		

Pwsid:	CA1910003	Facid:	22
Facname:	ORANGE GROVE RESERVOIRS BLEND - TREATED		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	inorganics removal	Trtprocess:	rapid mix
Factypecode:	TP		

Pwsid:	CA1910003	Facid:	22
Facname:	ORANGE GROVE RESERVOIRS BLEND - TREATED		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection by-products control		
Trtprocess:	rapid mix	Factypecode:	TP

Pwsid:	CA1910003	Facid:	23
Facname:	ST. JOSEPH RESERVOIRS BLEND - TREATED		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	hypochlorination, post
Factypecode:	TP		

Pwsid:	CA1910003	Facid:	23
Facname:	ST. JOSEPH RESERVOIRS BLEND - TREATED		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	inorganics removal	Trtprocess:	rapid mix
Factypecode:	TP		

Pwsid:	CA1910003	Facid:	26
Facname:	BALDWIN WELL 02 - CHLORINATION		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	gaseous chlorination, post
Factypecode:	TP		

Pwsid:	CA1910003	Facid:	27
Facname:	CHAPMAN WELL 06 - CHLORINATION-INACTIVE		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	gaseous chlorination, post
Factypecode:	TP		

Pwsid:	CA1910003	Facid:	28
Facname:	HUGO REID WELL 01 - CHLORINATION		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	gaseous chlorination, post
Factypecode:	TP		

Pwsid:	CA1910003	Facid:	29
Facname:	LIVE OAK WELL - CHLORINATION		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	gaseous chlorination, post
Factypecode:	TP		

Pwsid:	CA1910003	Facid:	30
Facname:	PECK WELL 01 - CHLORINATION		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	gaseous chlorination, post
Factypecode:	TP		

Pwsid:	CA1910003	Facid:	31
Facname:	ANOAKIA WELL - CHLORINATION		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	hypochlorination, post
Factypecode:	TP		

Pwsid:	CA1910003	Facid:	32
Facname:	LONGDEN WELLS 01 AND 02 - CHLORINATION		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	gaseous chlorination, post
Factypecode:	TP		

Pwsid:	CA1910003	Facid:	33
Facname:	ST JOSEPH WELL 02 - CHLORINATION		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	hypochlorination, post
Factypecode:	TP		

Pwsid:	CA1910003	Facid:	34
Facname:	ORANGE GROVE RESERVOIRS - CHLORINATION		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	gaseous chlorination, post
Factypecode:	TP		

Pwsid:	CA1910003	Facid:	35
Facname:	SOURCE (ZONE 4) FOR ST. JOSEPH NO3 BLEND		

Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	inorganics removal	Trtprocess:	rapid mix
Factypecode:	TP		

Pwsid:	CA1910003	Facid:	45768
Facname:	BLENDED SOURCE FROM ZONE 4		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection by-products control		
Trtprocess:	rapid mix	Factypecode:	TP

Pwsid:	CA1910003	Facid:	5104
Facname:	ORANGE GROVE RESERVOIRS BLEND - TREATED		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	hypochlorination, post
Factypecode:	TP		

Pwsid:	CA1910003	Facid:	5104
Facname:	ORANGE GROVE RESERVOIRS BLEND - TREATED		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection by-products control		
Trtprocess:	rapid mix	Factypecode:	TP

Pwsid:	CA1910003	Facid:	5104
Facname:	ORANGE GROVE RESERVOIRS BLEND - TREATED		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	inorganics removal	Trtprocess:	rapid mix
Factypecode:	TP		

Pwsid:	CA1910003	Facid:	5166
Facname:	LONGDEN AIR STRIP AND BLEND - TREATED		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	inorganics removal	Trtprocess:	rapid mix
Factypecode:	TP		

Pwsid:	CA1910003	Facid:	5166
Facname:	LONGDEN AIR STRIP AND BLEND - TREATED		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	organics removal	Trtprocess:	aeration, packed tower
Factypecode:	TP		

Pwsid:	CA1910003	Facid:	5166
Facname:	LONGDEN AIR STRIP AND BLEND - TREATED		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	hypochlorination, post
Factypecode:	TP		

Pwsid:	CA1910003	Facid:	5200
Facname:	ST. JOSEPH RESERVOIRS BLEND - TREATED		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	hypochlorination, post
Factypecode:	TP		

Pwsid:	CA1910003	Facid:	5200
Facname:	ST. JOSEPH RESERVOIRS BLEND - TREATED		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	inorganics removal	Trtprocess:	rapid mix
Factypecode:	TP		

Pwsid:	CA1910003	Facid:	5241
Facname:	BALDWIN WELL 02 - CHLORINATION		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	gaseous chlorination, post

Factypecode:	TP		
Pwsid:	CA1910003	Facid:	5242
Facname:	LIVE OAK WELL - CHLORINATION		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	gaseous chlorination, post
Factypecode:	TP		
Pwsid:	CA1910003	Facid:	5243
Facname:	PECK WELL 01 - CHLORINATION		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	gaseous chlorination, post
Factypecode:	TP		
Pwsid:	CA1910003	Facid:	5244
Facname:	ANOAKIA WELL - CHLORINATION		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	hypochlorination, post
Factypecode:	TP		
Pwsid:	CA1910003	Facid:	5245
Facname:	ST JOSEPH WELL 02 - CHLORINATION		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	hypochlorination, post
Factypecode:	TP		
Pwsid:	CA1910003	Facid:	5246
Facname:	ORANGE GROVE RESERVOIRS - CHLORINATION		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	gaseous chlorination, post
Factypecode:	TP		
Pwsid:	CA1910003	Facid:	5248
Facname:	CHAPMAN WELL 07 - CHLORINATION		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	hypochlorination, post
Factypecode:	TP		
Pwsid:	CA1910003	Facid:	54834
Facname:	MWD CONNECTION - ZINC ORTHOPHOSPHATE		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	corrosion control	Trtprocess:	inhibitor, orthophosphate
Factypecode:	TP		
Pwsid:	CA1910003	Facid:	55114
Facname:	COLORADO WELL - CHLORINATION		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	hypochlorination, pre
Factypecode:	TP		
Pwsid:	CA1910003	Facid:	55115
Facname:	LONGLEY WELL - CHLORINATION		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	hypochlorination, pre
Factypecode:	TP		
Pwsid:	CA1910003	Facid:	55116
Facname:	CAMINO REAL WELL 03 - CHLORINATION		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	hypochlorination, pre
Factypecode:	TP		

Pwsid:	CA1910003	Facid:	5994
Facname:	LONGDEN WELLS 01 AND 02 - CHLORINATION		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	gaseous chlorination, post
Factypecode:	TP		

Pwsid:	CA1910003	Facid:	CA1910003020
Facname:	CAMINO REAL FOREBAY BLND-TREATED-INACTVE		
Factype:	Treatment_plant	Facactivitycode:	I
Trtobjective:	inorganics removal	Trtprocess:	rapid mix
Factypecode:	TP		

Pwsid:	CA1910003	Facid:	CA1910003021
Facname:	LONGDEN AIR STRIP AND BLEND - TREATED		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	organics removal	Trtprocess:	aeration, packed tower
Factypecode:	TP		

Pwsid:	CA1910003	Facid:	CA1910003021
Facname:	LONGDEN AIR STRIP AND BLEND - TREATED		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	hypochlorination, post
Factypecode:	TP		

Pwsid:	CA1910003	Facid:	CA1910003022
Facname:	ORANGE GROVE RESERVOIRS BLEND - TREATED		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	hypochlorination, post
Factypecode:	TP		

Pwsid:	CA1910003	Facid:	CA1910003022
Facname:	ORANGE GROVE RESERVOIRS BLEND - TREATED		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	inorganics removal	Trtprocess:	rapid mix
Factypecode:	TP		

Pwsid:	CA1910003	Facid:	CA1910003022
Facname:	ORANGE GROVE RESERVOIRS BLEND - TREATED		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection by-products control		
Trtprocess:	rapid mix	Factypecode:	TP

Pwsid:	CA1910003	Facid:	CA1910003023
Facname:	ST. JOSEPH RESERVOIRS BLEND - TREATED		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	inorganics removal	Trtprocess:	rapid mix
Factypecode:	TP		

Pwsid:	CA1910003	Facid:	CA1910003038
Facname:	CHAPMAN WELL 07 - CHLORINATION		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	hypochlorination, post
Factypecode:	TP		

PWS ID:	CA1910003	PWS name:	ARCADIA-CITY, WATER DIVISION
Address:	Not Reported	Care of:	Not Reported
City:	ARCADIA	State:	CA
Zip:	91006	Owner:	ARCADIA-CITY, WATER DIVISION
Source code:	Surface water	Population:	48290

PWS ID:	CA1910003	PWS type:	Not Reported
PWS name:	Not Reported	PWS address:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

PWS city:	Not Reported	PWS state:	Not Reported
PWS zip:	Not Reported	PWS name:	City of Arcadia
PWS type code:	C	Retail population served:	44814
Contact:	Craig Clark	Contact address:	11800 Goldring Road
Contact address:	P.O. Box 60021	Contact city:	Arcadia
Contact state:	CA	Contact zip:	91066
Contact telephone:	6262566583		
PWS ID:	CA1910003	Activity status:	Active
Date system activated:	7706	Date system deactivated:	Not Reported
Retail population:	00048290	System name:	ARCADIA-CITY, WATER DIVISION
System address:	Not Reported	System address:	240 W HUNTINGTON DRIVE
System city:	ARCADIA	System state:	CA
System zip:	91006		
County FIPS:	037	City served:	ARCADIA
Population served:	10,001 - 50,000 Persons	Treatment:	Mixed (treated and untreated)
Latitude:	340822	Longitude:	1180203
Violation id:	616001	Orig code:	S
State:	CA	Violation Year:	2006
Contamination code:	1040	Contamination Name:	Nitrate
Violation code:	02	Violation name:	MCL, Average
Rule code:	331	Rule name:	Nitrates
Violation measur:	48.1	Unit of measure:	MG/L
State mcl:	45	Cmp bdt:	06/01/2006
Cmp edt:	06/30/2006		
Violation id:	722003	Orig code:	S
State:	CA	Violation Year:	2007
Contamination code:	1040	Contamination Name:	Nitrate
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	331	Rule name:	Nitrates
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	10/01/2007
Cmp edt:	12/31/2007		
Violation id:	722004	Orig code:	S
State:	CA	Violation Year:	2007
Contamination code:	1040	Contamination Name:	Nitrate
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	331	Rule name:	Nitrates
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	07/01/2007
Cmp edt:	09/30/2007		
Violation id:	822002	Orig code:	S
State:	CA	Violation Year:	2008
Contamination code:	1040	Contamination Name:	Nitrate
Violation code:	04		
Violation name:	Monitoring, Check/Repeat/Confirmation		
Rule code:	331	Rule name:	Nitrates
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2008
Cmp edt:	03/31/2008		
Violation id:	822005	Orig code:	S
State:	CA	Violation Year:	2008
Contamination code:	1040	Contamination Name:	Nitrate
Violation code:	03	Violation name:	Monitoring, Regular

Rule code:	331	Rule name:	Nitrates
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2008
Cmp edt:	03/31/2008		

Violation id:	94V0001	Orig code:	F
State:	CA	Violation Year:	1993
Contamination code:	5000	Contamination Name:	Lead and Copper Rule
Violation code:	51	Violation name:	Initial Tap Sampling for Pb and Cu
Rule code:	350	Rule name:	LCR
Violation measur:	0	Unit of measure:	Not Reported
State mcl:	0	Cmp bdt:	06/30/1993
Cmp edt:	03/01/2000		

PWS currently has or had major violation(s) or enforcement:Yes

Violation ID:	94V0001	Violation source ID:	Not Reported
PWS telephone:	Not Reported	Contaminant:	LEAD & COPPER RULE
Violation type:	Initial Tap Sampling for Pb and Cu		
Violation start date:	063093	Violation end date:	122993
Violation period (months):	006	Violation awareness date:	Not Reported
Major violator:	Not Reported	Maximum contaminant level:	Not Reported
Number of required samples:	Not Reported	Number of samples taken:	Not Reported
Analysis method:	Not Reported	Analysis result:	Not Reported

PWS currently has or had major violation(s) or enforcement:Yes

Violation ID:	94V0002	Violation source ID:	Not Reported
PWS telephone:	Not Reported	Contaminant:	LEAD & COPPER RULE
Violation type:	Initial Tap Sampling for Pb and Cu		
Violation start date:	123193	Violation end date:	063094
Violation period (months):	006	Violation awareness date:	Not Reported
Major violator:	Not Reported	Maximum contaminant level:	Not Reported
Number of required samples:	Not Reported	Number of samples taken:	Not Reported
Analysis method:	Not Reported	Analysis result:	Not Reported

System Name:	City of Arcadia	Violation Type:	2
Contaminant:	1040	Compliance Begin:	06/01/06
Compliance End:	06/30/06	Violation ID:	0616001
Enforcement Date:	10/31/06	Enforcement Action:	SFL

System Name:	City of Arcadia	Violation Type:	2
Contaminant:	1040	Compliance Begin:	06/01/06
Compliance End:	06/30/06	Violation ID:	0616001
Enforcement Date:	10/31/06	Enforcement Action:	SOX

System Name:	ARCADIA-CITY, WATER DIVISI		
Violation Type:	51	Contaminant:	5000
Compliance Begin:	1993-06-30	Compliance End:	2000-03-01
Violation ID:	94V0001	Enforcement Date:	2000-03-01
Enforcement Action:	EOX		

System Name:	City of Arcadia	Violation Type:	51
Contaminant:	5000	Compliance Begin:	6/30/1993 0:00:00
Compliance End:	3/1/2000 0:00:00	Violation ID:	94V0001
Enforcement Date:	3/1/2000 0:00:00	Enforcement Action:	EOX

System Name:	City of Arcadia	Violation Type:	51
Contaminant:	5000	Compliance Begin:	06/30/93
Compliance End:	03/01/00	Violation ID:	94V0001
Enforcement Date:	03/01/00	Enforcement Action:	EOX

System Name: ARCADIA-CITY, WATER DIVISI
Violation Type: 51 Contaminant: 5000
Compliance Begin: 1993-06-30 Compliance End: 2015-12-31
Violation ID: 94V0001 Enforcement Date: Not Reported
Enforcement Action: Not Reported

System Name: ARCADIA-CITY, WATER DIVISI
Violation Type: 51 Contaminant: 5000
Compliance Begin: 1993-12-31 Compliance End: 2000-03-01
Violation ID: 94V0002 Enforcement Date: 2000-03-01
Enforcement Action: EOX

System Name: ARCADIA-CITY, WATER DIVISI
Violation Type: 51 Contaminant: 5000
Compliance Begin: 1993-12-31 Compliance End: 2015-12-31
Violation ID: 94V0002 Enforcement Date: Not Reported
Enforcement Action: Not Reported

System Name: City of Arcadia Violation Type: 51
Contaminant: 5000 Compliance Begin: 12/31/1993 0:00:00
Compliance End: 3/1/2000 0:00:00 Violation ID: 94V0002
Enforcement Date: 3/1/2000 0:00:00 Enforcement Action: EOX

System Name: City of Arcadia Violation Type: 51
Contaminant: 5000 Compliance Begin: 12/31/93
Compliance End: 03/01/00 Violation ID: 94V0002
Enforcement Date: 03/01/00 Enforcement Action: EOX

Violation ID: 616001 Orig Code: S
Enforcemnt FY: 2007 Enforcement Action: 10/31/2006
Enforcement Detail: St AO (w/o penalty) issued
Enforcement Category: Formal

Violation ID: 616001 Orig Code: S
Enforcemnt FY: 2007 Enforcement Action: 10/31/2006
Enforcement Detail: St Compliance achieved Enforcement Category: Resolving

Violation ID: 722003 Orig Code: S
Enforcemnt FY: 2008 Enforcement Action: 05/13/2008
Enforcement Detail: St Compliance achieved Enforcement Category: Resolving

Violation ID: 722003 Orig Code: S
Enforcemnt FY: 2008 Enforcement Action: 05/13/2008
Enforcement Detail: St Violation/Reminder Notice
Enforcement Category: Informal

Violation ID: 722004 Orig Code: S
Enforcemnt FY: 2008 Enforcement Action: 05/13/2008
Enforcement Detail: St Violation/Reminder Notice
Enforcement Category: Informal

Violation ID: 722004 Orig Code: S
Enforcemnt FY: 2008 Enforcement Action: 05/13/2008
Enforcement Detail: St Compliance achieved Enforcement Category: Resolving

Violation ID: 822002 Orig Code: S
Enforcemnt FY: 2008 Enforcement Action: 05/14/2008
Enforcement Detail: St AO (w/o penalty) issued
Enforcement Category: Formal

Violation ID: 822002 Orig Code: S
Enforcemnt FY: 2008 Enforcement Action: 07/01/2008

Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	822005	Orig Code:	S
Enforcemnt FY:	2008	Enforcement Action:	05/13/2008
Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		
Violation ID:	822005	Orig Code:	S
Enforcemnt FY:	2008	Enforcement Action:	05/13/2008
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	94V0001	Orig Code:	F
Enforcemnt FY:	2000	Enforcement Action:	03/01/2000
Enforcement Detail:	Fed Compliance achieved	Enforcement Category:	Resolving
PWS name:	City of Arcadia	Population served:	44814
PWS type code:	C	Violation ID:	0616001
Contaminant:	NITRATE	Violation type:	2
Compliance start date:	6/1/2006 0:00:00	Compliance end date:	6/30/2006 0:00:00
Enforcement date:	10/31/2006 0:00:00	Enforcement action:	State AO (w/o Penalty) Issued
Violation measurement:	48.1		
PWS name:	City of Arcadia	Population served:	44814
PWS type code:	C	Violation ID:	0616001
Contaminant:	NITRATE	Violation type:	2
Compliance start date:	6/1/2006 0:00:00	Compliance end date:	6/30/2006 0:00:00
Enforcement date:	10/31/2006 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	48.1		
PWS name:	City of Arcadia	Population served:	44814
PWS type code:	C	Violation ID:	0722003
Contaminant:	NITRATE	Violation type:	3
Compliance start date:	10/1/2007 0:00:00	Compliance end date:	12/31/2007 0:00:00
Enforcement date:	5/13/2008 0:00:00	Enforcement action:	State Violation/Reminder Notice
Violation measurement:	Not Reported		
PWS name:	City of Arcadia	Population served:	44814
PWS type code:	C	Violation ID:	0722004
Contaminant:	NITRATE	Violation type:	3
Compliance start date:	7/1/2007 0:00:00	Compliance end date:	9/30/2007 0:00:00
Enforcement date:	5/13/2008 0:00:00	Enforcement action:	State Violation/Reminder Notice
Violation measurement:	Not Reported		
PWS name:	City of Arcadia	Population served:	44814
PWS type code:	C	Violation ID:	0822002
Contaminant:	NITRATE	Violation type:	4
Compliance start date:	1/1/2008 0:00:00	Compliance end date:	3/31/2008 0:00:00
Enforcement date:	5/14/2008 0:00:00	Enforcement action:	State AO (w/o Penalty) Issued
Violation measurement:	Not Reported		
PWS name:	City of Arcadia	Population served:	44814
PWS type code:	C	Violation ID:	0822005
Contaminant:	NITRATE	Violation type:	3
Compliance start date:	1/1/2008 0:00:00	Compliance end date:	3/31/2008 0:00:00
Enforcement date:	5/13/2008 0:00:00	Enforcement action:	State Violation/Reminder Notice
Violation measurement:	Not Reported		
PWS name:	City of Arcadia	Population served:	44814
PWS type code:	C	Violation ID:	94V0001
Contaminant:	LEAD & COPPER RULE	Violation type:	Initial Tap Sampling for Pb and Cu
Compliance start date:	6/30/1993 0:00:00	Compliance end date:	3/1/2000 0:00:00
Enforcement date:	3/1/2000 0:00:00	Enforcement action:	Fed Compliance Achieved

Violation measurement: 0

3
NNE
1/2 - 1 Mile
Higher

CA WELLS **422**

Seq:	422	Prim sta c:	01N/11W-27F01 S
Frds no:	1910003019	County:	19
District:	07	User id:	4TH
System no:	1910003	Water type:	G
Source nam:	ST. JOSEPH WELL 01	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	340900.0	Longitude:	1180100.0
Precision:	8	Status:	AR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		
System no:	1910003	System nam:	ARCADIA-CITY, WATER DIVISION
Hqname:	Not Reported	Address:	240 W HUNTINGTON DRIVE
City:	ARCADIA	State:	CA
Zip:	91006	Zip ext:	Not Reported
Pop serv:	48290	Connection:	12901
Area serve:	ARCADIA		

4
SSW
1/2 - 1 Mile
Lower

Site ID:	I-11015
Groundwater Flow:	SW
Shallow Water Depth:	Not Reported
Deep Water Depth:	Not Reported
Average Water Depth:	200
Date:	02/19/1991

AQUIFLOW **34308**

1G
SSW
1/2 - 1 Mile
Lower

Site ID:	I-11015
Groundwater Flow:	SW
Shallow Water Depth:	Not Reported
Deep Water Depth:	Not Reported
Average Water Depth:	200
Date:	02/19/1991

AQUIFLOW **34308**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

1
SSW
1/2 - 1 Mile

OIL_GAS **CAOG13000005705**

API #:	0403706220	Well #:	1
Well Status:	Idle	Well Type:	OG
Operator Name:	Vosburgh Oil Corp.	Lease Name:	Vosburgh
Field Name:	Any Field	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
91006	48	0

Federal EPA Radon Zone for LOS ANGELES County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 91006

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.100 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Public Health
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations
Source: Department of Conservation
Telephone: 916-323-1779
Oil and Gas well locations in the state.

California Earthquake Fault Lines
Source: California Division of Mines and Geology
The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon
Source: Department of Public Health
Telephone: 916-210-8558
Radon Database for California

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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APPENDIX G - REGULATORY DOCUMENTATION

From: LACoFD
Sent: Friday, September 13, 2019 8:55 AM
To: djonas conserveintl.com
Subject: LACoFD Public Records Center:: H013781-090519

--- Please respond above this line ---

RE: PRA of September 05, 2019, Reference # H013781-090519.

Dear David Jonas,

The Los Angeles County Fire Department, Health Hazardous Materials Division, being the custodian or keeper of records, certify that a thorough search for the records you requested has been carried out.

Re: 233 E HUNTINGTON DR
ARCADIA CA 91006

The search revealed that no Hazardous Materials Incident Reports were found for the above noted address.

It should be understood that this does not mean that the records you requested do not exist. It is possible that such records may be misfiled; exist under another spelling, another name, or may have been destroyed based on this Department's Record Retention Policy. However, with the information furnished to our office, and to the best of our knowledge, no records were located.

If you have any questions regarding your request, please contact our office at (your district office ph#)

Los Angeles County Fire Department

Health Hazardous Materials Division

Site Administrator

County of Los Angeles
Fire Department

PUBLIC RECORDS REQUEST FORM

ATTENTION REQUESTOR: To fulfill your request for records, please fill out this form completely, and identify specifically the type of records you are requesting. Requests must reasonably describe identifiable records prepared, owned, used, or retained by the Sanitation Districts.

REQUESTOR INFORMATION

Name: David Jonas		Date: 9-5-2019
Company: CCI		
Mailing Address: 23840 Hawthorne Blvd Ste 200		
City: Torrance	State: CA	Zip Code: 90505
Phone Number: 310-373-0159	Fax Number (optional): 310-373-0179	
Email Address (recommended): djonas@conservehtl.com		

REQUESTED RECORDS

*Please clearly describe each requested record or document (use additional copies of this form, as necessary)**

Permits + NOVs for: 233 E. Huntington Dr., Arcadia 91006
Time Period of Document Requested From: To:

NO RECORD FOUND
Time Period of Document Requested From: To:

Time Period of Document Requested From: To:

* *Requests that are not specific and focused will be returned for more information. If requested, the Sanitation Districts will assist you in making focused and effective requests for identifiable records. The Sanitation Districts will not create new documents or records in response to a request.*

Signature of Requestor

Submit requests by mail, email or fax to:

Records Administrator
County Sanitation Districts of Los Angeles County
P.O. Box 4998
Whittier, CA 90607-4998
records_administrator@lacsd.org
Fax (562) 699-5422

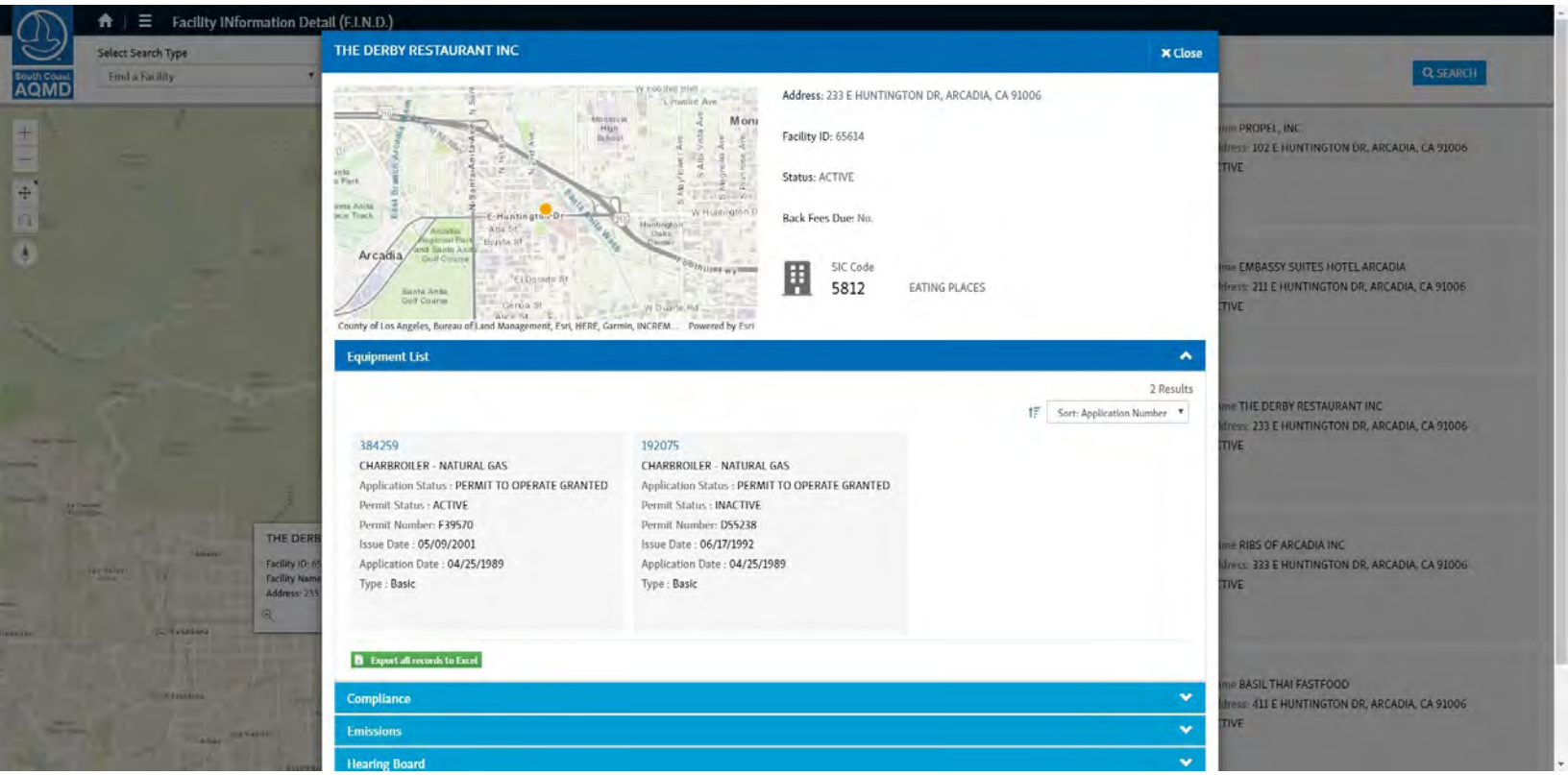
Office Use Only:
Date request received:
Date initial response issued:
Date request was closed:

DOC # 1503368

SEP 5'19 PM4:10

DOC #

Smith L.


Facility INformation Detail (F.I.N.D.)
Select Search Type
Find a Facility
SEARCH
THE DERBY RESTAURANT INC
Close
Address: 233 E HUNTINGTON DR, ARCADIA, CA 91006
Facility ID: 65614
Status: ACTIVE
Back Fees Due: No.
SIC Code
5812
EATING PLACES
County of Los Angeles, Bureau of Land Management, Esri, HERE, Garmin, INCREM... Powered by Esri
Equipment List
2 Results
Sort: Application Number
384259
CHARBROILER - NATURAL GAS
Application Status : PERMIT TO OPERATE GRANTED
Permit Status : ACTIVE
Permit Number: F39570
Issue Date : 05/09/2001
Application Date : 04/25/1989
Type : Basic
192075
CHARBROILER - NATURAL GAS
Application Status : PERMIT TO OPERATE GRANTED
Permit Status : INACTIVE
Permit Number: D55238
Issue Date : 06/17/1992
Application Date : 04/25/1989
Type : Basic
Export all records to Excel
Compliance
Emissions
Hearing Board
PROPEL, INC.
102 E HUNTINGTON DR, ARCADIA, CA 91006
EMBASSY SUITES HOTEL ARCADIA
211 E HUNTINGTON DR, ARCADIA, CA 91006
THE DERBY RESTAURANT INC
233 E HUNTINGTON DR, ARCADIA, CA 91006
RIBS OF ARCADIA INC
333 E HUNTINGTON DR, ARCADIA, CA 91006
BASIL THAI FASTFOOD
411 E HUNTINGTON DR, ARCADIA, CA 91006

User Questionnaire

Property Address: 233 East Huntington Drive 91007.

Are you aware of any environmental cleanup liens against the Property that are filed or recorded under federal, tribal, state, or local law? If yes, list. NO

Are you aware of any activity and land use limitations in place on the Property? NO

Do you have any specialized knowledge or experience related to the Property or adjacent sites as to chemicals or processes used? NO

Does the purchase price being paid for the Property reasonably reflect the fair market value of the Property? Yes.

If you conclude that there is a difference between the price being paid for the Property and the fair market price for the Property, is it possible that this is because of contamination being present on the Property? NO WAY.

Are you aware of any past uses of the Property, specific chemicals once present on the Property, chemical spills that have occurred on the Property, or any environmental cleanups that have occurred on the Property? NO.

Signature: _____ Title: _____

Printed Name: Dustin Mirzaian Date: 9-16-19

APPENDIX H - PREVIOUS ENVIRONMENTAL REPORTS

No Previous Environmental Reports

APPENDIX I - NON-ASTM SCOPE DOCUMENTATION

No Non-ASTM Scope Documentation

APPENDIX J - PROFESSIONAL QUALIFICATIONS

David A. Jonas

Project Manager

EDUCATION	Bachelor's Degree, Ecology, Behavior and Evolution University of California, San Diego 1995
REGISTRATIONS	NREP Registered Environmental Property Assessor #569136
CERTIFICATE COURSES	40-Hour Hazardous Waste Operations Training 8-Hour Hazardous Waste Operations Training Refresher Course

SUMMARY OF QUALIFICATIONS

Mr. Jonas has over seventeen years of experience conducting environmental projects, including Phase I Environmental Site Assessments (ESAs) and Phase II Subsurface Investigations, on various types of sites including commercial, industrial, agricultural, and residential properties throughout the United States. Mr. Jonas is familiar with real property environmental due diligence and environmental liability including All Appropriate Inquiry (AAI) and ASTM E1527-05 regulations. Mr. Jonas has experience providing environmental risk assessment for both the lender and borrower involved in real estate transactions, in the design and performance of various soil, soil gas, and groundwater sampling and remediation projects, and in the management and coordination of underground storage tank (UST) removals and closures. Mr. Jonas has experience managing a variety of subcontractors such as drillers, laboratories, geophysical survey companies, and hazardous waste hauling companies, and has significant experience working with Federal, State, County, and local regulatory agencies. Mr. Jonas has received training in the health and safety aspects of hazardous waste operations including the initial 40-Hour Hazardous Waste Operations Training and the subsequent yearly 8-Hour Hazardous Waste Operations Training refresher courses. Mr. Jonas has also received training in identifying, sampling, and remediating microbial contamination from a national analytical laboratory.

Ken Durand

Senior Geologist

EDUCATION
Graduate Studies, Environmental Studies, California State University Fullerton
Graduate Studies, Geography/Hydrogeology, California State University L.A.
Bachelor's Degree, Earth Sciences, California State University Fullerton

REGISTRATIONS
California Registered Environmental Assessor # 04577
NREP Registered Environmental Property Assessor
California Professional Geologist # 5630
California Certified Hydrogeologist # 70

CERTIFICATIONS
40-Hour Hazardous Waste Operations Training
8-Hour Hazardous Waste Operations Training Refresher Course

CAREER HISTORY

2006 – Present:	CCI (environmental and waste management consulting)
1998 – 2006:	Ceres Associates (environmental and technology consulting sales)
1992 – 1998:	Enecotech, Inc. (environmental consulting)
1984 – 1992:	Kleinfelder, Inc. (environmental consulting)
1981 – 1984:	Orange County (California) Environmental Management Agency (Flood Control)

SUMMARY OF QUALIFICATIONS

Mr. Durand has over 30 years of experience conducting geotechnical, geological, hydrological, water resources, and environmental investigations. Mr. Durand is a professional geologist, a certified hydrogologist, and a registered environmental assessor. Because of this diverse expertise, Mr. Durand has performed a wide range of projects in the fields of geology, hydrology, hydrogeology, environmental, and waste management. These projects have included Phase I Environmental Site Assessments, soil, groundwater, and soil gas investigations, and hydrogeological studies.

Appendix F-2

Phase I ESA of 301 E. Huntington Drive,
prepared by Enviroassessors, Inc.

PHASE I ENVIRONMENTAL SITE ASSESSMENT OF 301 E. HUNTINGTON DRIVE ARCADIA, CA 91006

Prepared for

Pacific Enterprise Bank
17748 Sky Park Circle, Suite 100
Irvine, CA 92614
and
U.S. Small Business Administration

Prepared by

ENVIROASSESSORS, INC.
527 N. Azusa Avenue, No. 177
Covina, CA 91722-3502

Work Order No. 1146-332-01-0001

March 17, 2021

Enviroassessors, Inc.

Environmental Consulting & Contracting
General Engineering & General Building Contractor • License No. 908600 - A, B, HAZ

Enviroassessors, Inc.

Environmental Consulting & Contracting
General Engineering & General Building Contractor • License No. 908600 - A, B, HAZ

527 N. Azusa Avenue, No. 177
Covina, CA 91722-3502
U.S.A.

Phone: (626) 852 - 0777
www.enviroassessors.com

March 17, 2021

Pacific Enterprise Bank
17748 Sky Park Circle, Suite 100
Irvine, CA 92614
and
U.S. Small Business Administration

Subject: Phase I Environmental Site Assessment of
301 E. Huntington Drive, Arcadia, CA 91006
Work Order No. 1146-332-01-0001

Dear Ladies and Gentlemen:

In conformance with the scope and limitations of ASTM Practice E 1527-13, Enviroassessors, Inc. (ENVIROASSESSORS) performed a Phase I Environmental Site Assessment of 301 E. Huntington Drive, Arcadia, CA 91006, the subject property. Any exceptions to, or deletions from, this practice are described in Sections 2.2 and 6.0 of this report.

This Phase I Environmental Site Assessment also identified potential business environmental risk concerns associated with the property due to location, building construction and property use. This is beyond what is identified in ASTM Practice E 1527-13 and is being provided as an additional service for the benefit of the user.

A comprehensive report summarizing our findings is enclosed. Please do not hesitate to call if you have any questions or need further information.

Sincerely,

Enviroassessors, Inc.



Norman N. Sacro, MND, MS, PEnvA, DipAES
Project Director

Enclosure

Conscientious service

to government and private sector clients

since 1991

Enviroassessors, Inc.

Environmental Consulting & Contracting
General Engineering & General Building Contractor • License No. 908600 - A, B, HAZ

527 N. Azusa Avenue, No. 177
Covina, CA 91722-3502
U.S.A.

Phone: (626) 852 - 0777
www.enviroassessors.com

CERTIFICATION OF ENVIRONMENTAL PROFESSIONAL

March 17, 2021

Pacific Enterprise Bank
17748 Sky Park Circle, Suite 100
Irvine, CA 92614
and
U.S. Small Business Administration

Subject: Phase I Environmental Site Assessment of
301 E. Huntington Drive, Arcadia, CA 91006
Work Order No. 1146-332-01-0001

Dear Ladies and Gentlemen:

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in §312.10 of 40 CFR Part 312.

I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Please do not hesitate to call if you have any questions or need further information.

Sincerely,

Enviroassessors, Inc.

Norman N. Sacro, MND, MS, PEnvA, DipAES
Project Director

Enviroassessors, Inc.

Environmental Consulting & Contracting
General Engineering & General Building Contractor • License No. 908600 - A, B, HAZ

527 N. Azusa Avenue, No. 177
Covina, CA 91722-3502
U.S.A.

Phone: (626) 852 - 0777
www.enviroassessors.com

RELIANCE LETTER

March 17, 2021

To: Pacific Enterprise Bank ("Lender")
17748 Sky Park Circle, Suite 100
Irvine, CA 92614

and

U.S. Small Business Administration ("SBA")

Re: Borrower Name: Elite Holdings & Associates, LLC and Derby Restaurant Arcadia, Inc.
301 E. Huntington Drive, Arcadia, CA 91006 ("Property")
Work Order No. 1146-332-01-0001

Dear Lender and SBA:

Norman N. Sacro ("Environmental Professional") meets the definition of an Environmental Professional as defined by 40 C.F.R. § 312.10(b) and has performed or supervised the performance of the following "Environmental Investigation(s)" (check all that apply):

☐ A Transaction Screen of the Property dated _____, 20____, and any addendum(s) thereto, conducted in accordance with ASTM International's most recent standard (currently ASTM E1528-14);

☒ A Phase I (or an Updated Phase I) Environmental Site Assessment of the Property dated March 17, 2021, and any addendum(s) thereto, conducted in accordance with ASTM International's most recent standard (currently ASTM E1527-13). In addition, the Environmental Professional has addressed the performance of the "additional inquiries" set forth at 40 C.F.R. § 312.22;

☐ A Phase II Environmental Site Assessment of the Property dated _____, 20____, and any addendum(s) thereto, conducted in accordance with generally-accepted industry standards of practice and consisting of a scope of work that would be considered reasonable and sufficient to identify the presence, nature and extent of a Release as it impacts the Property.

Reliance by SBA and Lender. Environmental Professional (and Environmental Professional's firm, where applicable) understand(s) that the Property may serve as collateral for an SBA-guaranteed loan, a condition for which is an Environmental Investigation of the Property by an Environmental Professional. Environmental Professional (and Environmental Professional's firm, where applicable) authorize(s) Lender and SBA to use and rely upon the Environmental Investigation. Further, Environmental Professional (and Environmental Professional's firm, where applicable) authorize(s) Lender and SBA to release a copy of the Environmental Investigation to the Borrower for information purposes only. This letter is not an update or modification to the Environmental Investigation. Environmental Professional (and Environmental Professional's firm, where applicable) makes no representation or warranty, express or implied, that the condition of the Property on the date of this letter is the same or similar to the condition of the Property described in the Environmental Investigation.

Insurance Coverage. Environmental Professional (and/or Environmental Professional's firm, where applicable) certifies that he or she or the firm was covered as of the date of the Environmental Investigation by errors and omissions liability insurance with a minimum coverage of $1,000,000 per claim (or occurrence) and that evidence of this insurance is attached. As to the Lender and SBA, Environmental Professional (and Environmental Professional's firm, where applicable) specifically waive(s) any dollar amount limitations on liability up to $1,000,000 as well as any time limitations on liability, other than state or Federal statutes of limitation.

Waiver of Right to Indemnification. Environmental Professional and Environmental Professional's firm waive any right to indemnification from the Lender and SBA.

Impartiality. Environmental Professional certifies that (1) to the best of his or her knowledge, Environmental Professional is independent of and not a representative, nor an employee or affiliate of seller, Borrower, operating company, or any person in which seller has an ownership interest; and (2) the Environmental Professional has not been unduly influenced by any person with regard to the preparation of the Environmental Investigation or the contents thereof.

Acknowledgment. The undersigned acknowledge(s) and agree(s) that intentionally falsifying or concealing any material fact with regard to the subject matter of this letter or the Environmental Investigations may, in addition to other penalties, result in prosecution under applicable laws including 18 U.S.C. § 1001.



Signature of Environmental Professional
Printed Name: Norman N. Sacro

(Note: The Environmental Professional must always sign this letter above. If the Environmental Professional is employed or retained by an Environmental Firm, then an authorized representative of the firm must also sign below).



Signature of representative of firm who is authorized to sign this letter
Printed Name & Title: Norman N. Sacro, Project Director
Name of Environmental Firm: Enviroassessors, Inc.

Enclosure: Evidence of Insurance

SOP 50 10 6 Effective October 1, 2020

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 9/26/2019

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Van Oppen & Co. 2, Inc. VOCO2 Insuranc & Risk Control Services P.O. Box 793 Teton Village WY 83025	**CONTACT NAME:** Brenda Todd **PHONE (A/C, No, Ext):** 800-746-0048 **FAX (A/C, No):** 866-784-4876 **E-MAIL ADDRESS:** service@vanoppenco2.com
INSURED ENVIR-3 Enviroassessors, Inc. 527 N. Azusa Ave., #177 Corvina CA 91722	**INSURER(S) AFFORDING COVERAGE** / **NAIC #** **INSURER A :** Homeland Insurance Co. of NY / 34452 **INSURER B :** **INSURER C :** **INSURER D :** **INSURER E :** **INSURER F :**

COVERAGES **CERTIFICATE NUMBER:** 1015830104 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X **COMMERCIAL GENERAL LIABILITY** CLAIMS-MADE X OCCUR X CPL(Pollution) GEN'L AGGREGATE LIMIT APPLIES PER: X POLICY PRO-JECT LOC OTHER:	Y	Y	793-00-69-87-0001	10/10/2019	10/10/2021	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$ 1,000,000 $ 100,000 $ 10,000 $ 1,000,000 $ 2,000,000 $ 2,000,000
A	**AUTOMOBILE LIABILITY** ANY AUTO ALL OWNED AUTOS SCHEDULED AUTOS X HIRED AUTOS X NON-OWNED AUTOS	Y	Y	793-00-69-87-0001	10/10/2019	10/10/2021	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$ 1,000,000 $ $ $
	UMBRELLA LIAB OCCUR **EXCESS LIAB** CLAIMS-MADE DED RETENTION $						EACH OCCURRENCE AGGREGATE	$ $
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y / N ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? **(Mandatory in NH)** If yes, describe under DESCRIPTION OF OPERATIONS below	N / A					PER STATUTE OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	$ $
A	Professional Liability "Claims Made"			793-00-69-87-0001	10/10/2019	10/10/2021	Each Claim Aggregate Subject to GL Agg	1,000,000 2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

General Information Only

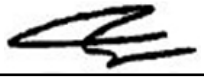
CERTIFICATE HOLDER

General Information Only

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE



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Table of Contents

CERTIFICATION OF ENVIRONMENTAL PROFESSIONAL IV
RELIANCE LETTER V
1.0 EXECUTIVE SUMMARY 1
1.1 PURPOSE AND SCOPE 1
1.2 PROPERTY DESCRIPTION 2
1.3 SUMMARY OF SITE HISTORY/LAND USE REVIEW 3
1.4 CONCLUSIONS AND RECOMMENDATIONS 3
2.0 INTRODUCTION 6
2.1 PURPOSE 6
2.2 SCOPE OF WORK 7
3.0 GENERAL SITE CHARACTERISTICS 9
3.1 LOCATION 9
3.2 PHYSICAL SETTING 9
3.3 SITE DESCRIPTION AND CURRENT SITE USES/OPERATIONS 10
3.4 ADJOINING PROPERTIES 10
4.0 RESULTS OF INVESTIGATION 12
4.1 SITE INSPECTION OBSERVATIONS 12
4.1.1 Air Emissions 12
4.1.2 Water and Wastewater 12
4.1.3 Non-hazardous and Hazardous Wastes 12
4.1.4 Oil and Hazardous Materials 13
4.1.5 PCB Management 13
4.1.6 Pesticides 13
4.1.7 Radon 14
4.1.8 Lead-based Paint 14
4.1.9 Lead in Drinking Water 15
4.1.10 Wetlands 15
4.1.11 Molds 15
4.1.12 Asbestos-containing Materials 15
4.1.13 Housekeeping and Safety 16
4.2 ADJACENT SITE AND VICINITY OBSERVATIONS 16
4.3 REGULATORY AGENCY DATABASE REVIEW 16

4.4 RESULTS OF SITE HISTORY/LAND USE REVIEW 21
4.4.1 Interviews 22
4.4.2 User Questionnaire and User-Provided Information 22
4.4.3 Building Records Review 22
4.4.4 Historical Map Search and Review 23
4.4.5 City Directory Review 24
4.4.6 Aerial Photographs 24
4.5 SYNOPSIS OF PREVIOUS ENVIRONMENTAL INVESTIGATIONS AND REGULATORY AGENCY RECORDS SEARCH AND REVIEW 25
4.7 DATA GAPS 26
5.0 CONCLUSIONS AND RECOMMENDATIONS 27
6.0 LIMITATIONS 30
7.0 REFERENCES 32
8.0 APPENDICES
APPENDIX 8.1 - Street Map and Topographic Map
APPENDIX 8.2 - Photographs
APPENDIX 8.3 - EDR Radius Map Report With GeoCheck
APPENDIX 8.4 - User Questionnaire
APPENDIX 8.5 - Building Records
APPENDIX 8.6 - Sanborn Map Report
APPENDIX 8.7 - City Directory Report
APPENDIX 8.8 - GeoTracker Findings
APPENDIX 8.9 - Oil, Gas and Geothermal Resources Well Search Findings
APPENDIX 8.10 - EnviroStor Findings
APPENDIX 8.11 – Preliminary Title Report
APPENDIX 8.12 - Aerial Photographs
APPENDIX 8.13 – LACFD Records Request and Response
APPENDIX 8.14 – Parcel Details
APPENDIX 8.15 – Qualifications of Environmental Professional

1.0 EXECUTIVE SUMMARY

1.1 PURPOSE AND SCOPE

Enviroassessors, Inc. (ENVIROASSESSORS) conducted a Phase I Environmental Site Assessment of a property located at 301 E. Huntington Drive, Arcadia, CA 91006. ENVIROASSESSORS performed the Phase I in conformance with the scope and limitations of ASTM Practice E 1527-13. This practice is intended to permit a *user* to satisfy one of the requirements to qualify for the *innocent landowner*, *contiguous property owner*, or *bona fide prospective purchaser* limitations on CERCLA liability (hereinafter, the "*landowner liability protections*," or "*LLPs*"): that is, the practice that constitutes *all appropriate inquiries* into the previous ownership and uses of the *property* consistent with good commercial and customary practice as defined at 42 U.S.C. §9601(35)(B).

In conducting this Phase I Environmental Site Assessment to identify *recognized environmental conditions* (RECs), *controlled recognized environmental conditions* (CRECs), and *historical recognized environmental conditions* (HCRECs), ENVIROASSESSORS focused on several major areas of environmental considerations. ENVIROASSESSORS also addressed considerations not within the scope of ASTM Practice E 1527-13.

This Phase I Environmental Site Assessment also identified potential business environmental risk concerns associated with the property due to location, building construction and property use. This is beyond what is identified in ASTM Practice E 1527-13 and is being provided as an additional service for the benefit of the user.

The following tasks were undertaken as part of the evaluation:

- On-site physical inspection on March 4, 2021 and interview of pertinent people.
- Contacted pertinent public regulatory agencies to access and review available public agency files and information relating to the subject property and surrounding areas. And
- Accessed online any relevant available records and databases maintained by city, county and/or state agencies and reviewed the government database report provided by Environmental Data Resources, Inc. (EDR) about the property and its immediate vicinity.

1.2 PROPERTY DESCRIPTION

The subject property is situated in a predominantly commercial area on the northwest corner of Huntington Drive and Gateway Drive. Figure 1 below shows the subject property in the middle of the aerial photograph. A street map showing the general location of the property is found in Appendix 8.1. A topographic map of the area is also included in Appendix 8.1. The coordinates of the subject property are as follows (EDR, March 4, 2021):

- Latitude (North): 34.1405920; Longitude (West): –118.0231670.



Figure 1. Recent aerial photograph of subject property
(located near the center of the photograph). Source: Google Earth in EDR

The property, with APN 5773-009-065, consists of a 0.89-acre lot improved with a 7,626-square-foot single-story wood frame and stucco restaurant building constructed in 1988. No attempt was made to validate the areas which are presented here only as rough estimates for description purposes. Appendix 8.2 presents photographs of the subject property as well as surrounding properties. Appendix 8.14 includes parcel details accessed from the website of the Los Angeles County Office of the Assessor. During the site visit, it was a non-operating Souplantation restaurant.

Following are photographs of the subject property:

- Photo 1 – Subject property looking northeast from Huntington Drive;
- Photo 2 -- Subject property looking southeast;
- Photo 3 – Dining area;
- Photo 4 – Food serving area;
- Photos 5 and 6 – Kitchen areas; and
- Photo 7 – Office.

1.3 SUMMARY OF SITE HISTORY/LAND USE REVIEW

A gasoline service station operated on the subject property from 1950, at the latest, until possibly the late 1960s or early 1970s. An automotive repair facility may have been concurrently operated along with the service station until the property was redeveloped into a Souplantation restaurant in 1988. The restaurant operated until 2020 when it ceased operations due possibly in part to the coronavirus pandemic impact on indoor dining restrictions.

1.4 CONCLUSIONS AND RECOMMENDATIONS

In conformance with the scope and limitations of ASTM Practice E 1527-13, ENVIROASSESSORS performed a Phase I Environmental Site Assessment of the subject property. Any exceptions to, or deletions from, this practice are described in Sections 1.2 and 5.0 of this report. This assessment has revealed no evidence of *recognized environmental conditions* (RECs) in connection with the subject property except for the following:

> A gasoline service station operated on the subject property from 1950, at the latest, until possibly the late 1960s or early 1970s. An automotive repair facility may have been concurrently operated along with the service station until the property was redeveloped into a restaurant in 1988. No documentation was found regarding the removal of the fuel underground storage tanks and dispensers used by the service station. Also, there is potential for subsurface impact due to petroleum-derived organic compounds as well as indoor vapor intrusion.

The term *recognized environmental conditions* means the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. *De minimis* conditions are not RECs nor *controlled recognized environmental conditions* (CRECs). A *de minimis condition is* a condition that generally

does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

This assessment has revealed no CRECs. CREC is an REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).

This assessment has revealed no evidence *historical recognized environmental conditions* (HRECs) in connection with the subject property. An HREC is a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).

The qualitative scale used for ranking potential business environmental risk concerns is low, low to moderate, moderate to high, and high probability for environmental impairment liability. This definition is exclusive to ENVIROASSESSORS and is not within the scope and limitations of ASTM Practice E 1527-13. The subject property was determined to have a *high potential* for environmental impairment liability based on the evaluation of the following findings:

- Present use the property;
- No observed industrial wastewater generation;
- Potential presence of non-friable asbestos-containing materials;
- Non-generation of hazardous wastes requiring special handling;
- Presence and management of limited quantities of potentially hazardous materials such as cleaning materials found during the site visit;
- No observed potentially PCB-containing electrical devices requiring special management at this time;
- No observed pesticide use;

- The age of the building and neighboring land use;
- Presence of listed potential hazardous waste sites within one mile of the subject property;
- The historical use of the property, particularly as a gasoline service station; and
- Public domain information on the property.

A Phase II environmental investigation is recommended to be conducted to address the REC identified above.

The following are also recommended to be conducted (as required by pertinent regulatory agencies):

- Prior to future renovations or building demolition suspect ACMs should be sampled and analyzed for asbestos content. Confirmed ACM should be managed in accordance with applicable federal and state regulations.
- Prior to future building renovations or demolition, samples of suspect painted materials should be collected and analyzed for lead content. Confirmed LBP should be managed in accordance with applicable federal and state regulations.
- During routine maintenance, light ballasts at the site should be checked for "non-PCB" labels. If labels are not observed, waste ballasts should be handled and disposed of in accordance with applicable Federal, State, and local regulations."

No further environmental investigation is recommended to be performed at this time.

2.0 INTRODUCTION

2.1 PURPOSE

Enviroassessors, Inc. (ENVIROASSESSORS) conducted a Phase I Environmental Site Assessment of a property located at 301 E. Huntington Drive, Arcadia, CA 91006. ENVIROASSESSORS performed the Phase I in conformance with the scope and limitations of ASTM Practice E 1527-13. This practice is intended to permit a *user* to satisfy one of the requirements to qualify for the *innocent landowner*, *contiguous property owner*, or *bona fide prospective purchaser* limitations on CERCLA liability (hereinafter, the "*landowner liability protections*," or "*LLPs*"): that is, the practice that constitutes *all appropriate inquiries* into the previous ownership and uses of the *property* consistent with good commercial and customary practice as defined at 42 U.S.C. §9601(35)(B). Any exceptions to, or deletion from this practice are described in Sections 2.2 and 6.0 of this report.

The goal of the processes established by this practice is to identify *recognized environmental conditions* (RECs). The term *recognized environmental conditions* means the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. *De minimis* conditions are not RECs nor *controlled recognized environmental conditions* (CRECs). A *de minimis condition is* a condition that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

CREC is an REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).

In conducting the Phase I, *historical recognized environmental conditions* (HRECs) are identified. HREC is a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required

controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).

This Phase I Environmental Site Assessment also identified potential business environmental risk concerns associated with the property due to location, building construction and property use. This is beyond what is identified in ASTM Practice E 1527-13 and is being provided as an additional service for the benefit of the user.

For this assessment, ENVIROASSESSORS completed a comprehensive assessment of potential environmental liabilities of the subject property. The assessment was based on the information voluntarily provided to ENVIROASSESSORS as well as from those it independently researched. ENVIROASSESSORS applied its best scientific and technical judgments within the parameters of this assignment.

2.2 SCOPE OF WORK

In conducting this Phase I Environmental Site Assessment to identify RECs, CRECs, and HCRECs, ENVIROASSESSORS focused on several major areas of environmental considerations, among them are:

- Air emissions;
- Water and wastewater;
- Non-hazardous and hazardous wastes;
- Oil and hazardous materials management;
- Presence and management of polychlorinated biphenyls (PCBs); and
- Pesticides.

ENVIROASSESSORS also addressed considerations not within the scope of ASTM Practice E 1527-13 which include the following:

- Radon;
- Lead-based paints;
- Lead in drinking water;
- Wetlands;
- Molds;
- Asbestos-containing materials; and
- Housekeeping and safety.

The following tasks were undertaken as part of the evaluation:

- On-site physical inspection on March 4, 2021 and interview of pertinent people.

- Contacted pertinent public regulatory agencies to access and review available public agency files and information relating to the subject property and surrounding areas. And
- Accessed online any relevant available records and databases maintained by city, county and/or state agencies and reviewed the government database report provided by Environmental Data Resources, Inc. (EDR) about the property and its immediate vicinity.

3.0 GENERAL SITE CHARACTERISTICS

3.1 LOCATION

The subject property is situated in a predominantly commercial area on the northwest corner of Huntington Drive and Gateway Drive. Figure 1 below shows the subject property in the middle of the aerial photograph. A street map showing the general location of the property is found in Appendix 8.1. A topographic map of the area is also included in Appendix 8.1. The coordinates of the subject property are as follows (EDR, March 4, 2021):

- Latitude (North): 34.1405920; Longitude (West): –118.0231670.

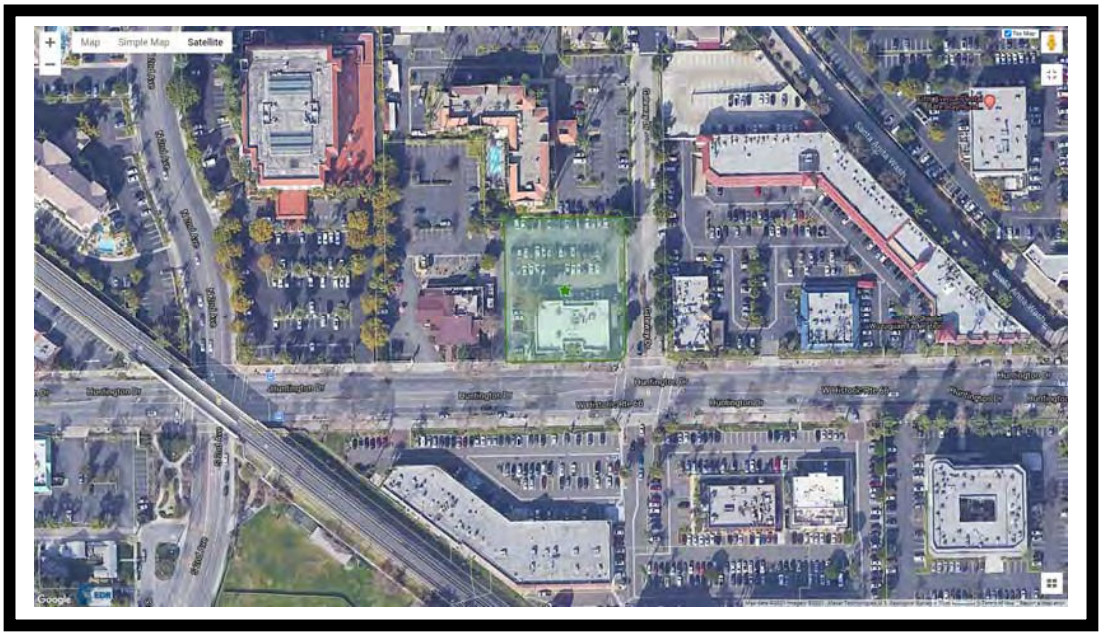


Figure 1. Recent aerial photograph of subject property
(located near the center of the photograph). Source: Google Earth in EDR

3.2 PHYSICAL SETTING

Physical setting features that include the following, in the general area of the subject property, are found on pages A-1 through A-19 of the EDR report in Appendix 8.3:

- Groundwater flow direction information;

- Topographic information;
- Hydrologic information;
- Hydrogeologic information; and
- Geologic information.

A map showing the physical features of the general area of the subject property is found on page A-7 of the EDR report.

3.3 SITE DESCRIPTION AND CURRENT SITE USES/OPERATIONS

The property, with APN 5773-009-065, consists of a 0.89-acre lot improved with a 7,626-square-foot single-story wood frame and stucco restaurant building constructed in 1988. No attempt was made to validate the areas which are presented here only as rough estimates for description purposes. Appendix 8.2 presents photographs of the subject property as well as surrounding properties. Appendix 8.14 includes parcel details accessed from the website of the Los Angeles County Office of the Assessor. During the site visit, it was a non-operating Souplantation restaurant.

Following are photographs of the subject property:

- Photo 1 – Subject property looking northeast from Huntington Drive;
- Photo 2 -- Subject property looking southeast;
- Photo 3 – Dining area;
- Photo 4 – Food serving area;
- Photos 5 and 6 – Kitchen areas; and
- Photo 7 – Office.

3.4 ADJOINING PROPERTIES

Areas immediately surrounding the property were noted during the site visit. The adjoining properties are described below:

DIRECTION FROM SUBJECT PROPERTY	PROPERTY DESCRIPTION	ADDRESS	OCCUPANT, BUSINESS TYPE/ACTIVITY
North	Motel	311 Huntington Dr	Hampton Inn—Motel (See Photo 8, looking northwest from subject property)
East	Store/office (mixed use)	333 Huntington Dr.	Huntington Lanmark LLC—Retail shopping center (See Photo 9, looking northeast across Gateway Dr.)
Southeast	Restaurant Restaurant	430 Huntington Dr. 400 Huntington Dr.	Olive Garden Italian Restaurant--Restaurant BJ's Restaurant & Brewhouse—Restaurant (See Photo 10, looking southeast across Huntington Dr.)
South	Retail Stores Parking lot	300 Huntington Dr. 440 Huntington Dr.	JLJ Properties Arcadia LLC—Retail shopping center JLJ Properties Arcadia LLC—Parking lot (See Photo 11, looking southeast across Huntington Dr.)
West	Restaurant	233 Huntington Dr.	The Derby--Restaurant (See Photo E, looking northwest from Huntington Dr.)

4.0 RESULTS OF INVESTIGATION

4.1 SITE INSPECTION OBSERVATIONS

During the site visit on March 4, 2021 by ENVIROASSESSORS, the subject property was an idle restaurant as described above in Section 3.3. No manufacturing or industrial operations were observed within the premises. Environmental considerations associated with the property are discussed in the subsequent sections.

4.1.1 Air Emissions

During the site visit, no air emission sources or equipment requiring air emissions permits were found.

4.1.2 Water and Wastewater

The subject property has a municipal source of potable water and is connected to the city sanitary sewer system. No evidence of potable water supply wells or groundwater monitoring wells was visually observed within the property. No industrial wastewater was being discharged during the site visit. A grease trap was found outside the building on the southeast area of the lot (See Photo 13). There was no evidence of any ponding of unnaturally discolored water or liquids on the subject property. No septic systems were observed to be used in the subject property. No evidence of the use of cisterns, cesspools, or dry wells was observed in the subject property.

Stormwater flows away from the parking lot to the sidewalk and then to the road gutter system that eventually channels the stormwater to the sewer system. No parking lot drainage outlets showed unusual discoloration or odor. Roof drainage channeled through a rainwater gutter system. No unusual discoloration or odor was observed at the drainage pipe outlets.

4.1.3 Non-hazardous and Hazardous Wastes

No trash was littered within the premises of the subject property during the site visit. No potentially hazardous wastes were found within the premises of the subject property.

4.1.4 Oil and Hazardous Materials

No potentially hazardous materials were found inside or outside the buildings, other than typical cleaning materials for the bathrooms and kitchen (See Photo 14). No visual evidence of the current presence of underground storage tanks (USTs) for the storage of hazardous material was observed.

Visibly stained soil was not observed on the property.

4.1.5 PCB Management

Because of their high stability, polychlorinatedbiphenyls (PCBs) were widely used before 1975 in electrical transformers, electrical capacitors, vacuum pumps, fluorescent light ballasts, heat transfer systems, hydraulic fluids, lubricants, and many other applications. Because of their long-term deleterious environmental and health effects, their manufacture was banned in the United States in 1975.

Because the building was constructed in 1988, the presence of PCB-containing fluids in the fluorescent light ballasts is unlikely. A qualified electrician can manage light ballasts if they leak.

One wet type transformer (No. P5365544) was found outside the building (see Photo 15). No evidence of transformer fluid leakage was observed on the concrete transformer pad. Responsibility for the transformer belongs to the utility company. Based on ENVIROASSESSORS' previous dealings with utility agencies, they had always expressed that there is a low probability for their electrical transformers to contain PCBs at levels requiring special handling required by environmental regulatory agencies. The agencies had always indicated that only a chemical analysis of the transformer fluid could confirm the presence or absence of PCBs. Based on efforts exerted by utility agencies at eliminating the use of PCBs in their transformers, the transformer at the site is most probably in compliance with present regulations pertinent to PCBs.

4.1.6 Pesticides

Although pesticides were possibly used on the property in the past, ENVIROASSESSORS did not discover any visual evidence of pesticide use in the property during the visit. No pesticide or herbicide containers or evidence of misuse were identified on the property. No evidence of distressed vegetation was observed.

4.1.7 Radon

Radon is an odorless and colorless gas that results from the radioactive decay of uranium. High concentrations of radon may be found in soils and rocks that contain uranium, granite, shale, and pitchblende. It is toxic to humans because of its ionizing radiation. Radon could accumulate in buildings that have basements.

The following is information regarding radon within the area of the subject property (EDR, March 4, 2021; A-20).

> State Database: CA Radon
> Radon Test Results
> Zip Code: CA 91006
> Total sites tested: 48
> Number of sites that tested > 4 pCi/L = 0
>
> Federal Area Radon Zone for Los Angeles County, California: 2
> (Zone 1 areas are predicted to have an average indoor radon level of greater than 4 pCi/L. Zone 2 areas are predicted to have an average indoor radon level of greater than 2 pCi/L and less than 4 pCi/L. Zone 3 areas are predicted to have an average indoor radon level of less than 2 pCi/L).
>
> Federal Area Radon Information for Zip Code: CA 91006
> Number of sites tested: 1
> Average Activity: 1st Floor Living Area = 0.100 pCi/L
> 2nd Floor Living Area = Not Reported
> Basement = Not Reported

All reported radon level test results where the subject property is located are below the Federal EPA action level of 4.0 pCi/L.

Information obtained during the site assessment indicates that radon concentrations are unlikely to exist on the property above established guideline concentrations. The subject property does not have a basement where radon could accumulate. There is, therefore, a low potential for health hazard due to radon gas.

4.1.8 Lead-based Paint

Lead-based paint (LBP) was extensively used in buildings built by the 1920s. The paint manufacturing industry voluntarily cut back on the levels of lead in paint formulations by 1955. However, LBP has been commonly used up to the present throughout the construction industry, particularly in applications that include friction and impact surfaces

(e.g., doors, windows, floors) and in moisture resistance applications such as bathrooms, kitchens, and exterior.

The subject property was developed during the period when LBP was no longer extensively used. Because of this, LBP is not likely to be present. However, this cannot be verified without a certified LBP inspection. An LBP survey is beyond the scope of this Phase I report.

4.1.9 Lead in Drinking Water

Municipal drinking water is supplied to the subject property. It is assumed that the agency supplying the water is in compliance with Federal and State guidelines for drinking water. Lead in drinking water is primarily from materials and components associated with service lines and building plumbing. Sampling and analysis for lead in drinking water is beyond the scope of this Phase I report.

4.1.10 Wetlands

No wetlands or natural waterways were found on the subject property or the immediate vicinity.

4.1.11 Molds

Based on a visual inspection of the subject property, no building areas suspected of significant mold growth were observed. No conditions that would promote a high potential for mold growth were observed. The investigation was not intended to discover all areas which may be impacted by mold growth, many of which may be hidden and not readily observable such as enclosed walls and ceilings, HVAC systems, and pipe chases. Conducting a comprehensive mold survey or inspection is beyond the scope of this Phase I Environmental Site Assessment.

4.1.12 Asbestos-containing Materials

Asbestos-containing materials (ACM) have been widely used in the past in the construction industry because of their desirable strength and fire resistance properties. ACM is considered friable if it can be crushed into powder with finger pressure. The manufacture of friable ACM was discontinued in the United States in 1978, but their use has continued even after that year. The US EPA considers friable ACM containing in excess of 1% asbestos as hazardous material.

No friable suspect ACMs were observed inside the building. Only a microscopic evaluation can ascertain the presence or absence of asbestos in building materials. Asbestos sampling and analysis are not recommended to be performed at this time.

Asbestos may be found in non-friable state such as in other potentially asbestos-containing compounds (e.g., adhesive, roofing asphalt, caulking materials, etc.) and other materials. The likelihood of non-friable ACMs being disturbed under normal wear in a manner that would release asbestos fibers into the air and considered a health hazard under present standard is remote.

4.1.13 Housekeeping and Safety

Housekeeping was observed to be good inside the building and the outside areas. No items requiring special safety concerns were observed.

4.2 ADJACENT SITE AND VICINITY OBSERVATIONS

The adjacent properties were described in Section 2.3. Based on a cursory inspection of the adjacent properties, these neighboring sites do not appear to environmentally negatively impact the subject property. There appeared to be no visual evidence of contamination source from adjacent properties at the time of the inspection.

4.3 REGULATORY AGENCY DATABASE REVIEW

ENVIROASSESSORS reviewed an environmental government database report about the subject property and the surrounding area within a one-mile radius generated by Environmental Data Resources, Inc. (EDR, March 4, 2021). This regulatory record review was performed to evaluate whether the subject site or properties within the site vicinity have been identified as having experienced significant unauthorized releases of hazardous substances or other events with potentially adverse environmental effects. The EDR Radius Map with GeoCheck report is included in Appendix 8.3. The report lists and describes the government databases reviewed and the findings of the search. The meanings of the database acronyms and the significance of the databases are found in the EDR Report. A detail map found on page 3 of the EDR report shows the location of the sites listed. It should be noted that the map was computer generated based on the address of the subject property and not on a given or known longitude and latitude. Because of this, the exact location may not exactly match that which was generated by the computer. Because sites close to the subject property (i.e., those listed within ¼ or 0.25-mile) may impact the subject property, a detailed analysis of these is given below.

Sites listed within 0.25 mile of the subject property were found in the databases described below. The EDR report indicates that the subject property is listed in the EDR Hist Auto database. Evaluations of the listed sites within 0.25 mile of the subject property follow the descriptions.

A. STANDARD ENVIRONMENTAL RECORDS

Federal RCRA generators list

- RCRA-LQG: RCRA - Large Quantity Generators. RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Number of Sites Listed	Potential Impact on Subject Property
1	Being found on the list does not necessarily indicate that an unauthorized release of hazardous substances to the environment had occurred at the listed site. ENVIROASSESSORS is not aware of any evidence that the listed site has environmentally negatively impacted the subject property.

- RCRA-SQG: RCRA - Small Quantity Generators. RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Number of Sites Listed	Potential Impact on Subject Property
8	Being found on the list does not necessarily indicate that an unauthorized release of hazardous substances to the environment had occurred at the listed sites. ENVIROASSESSORS is not aware of any evidence that the listed sites have environmentally negatively impacted the subject property.

State and tribal leaking storage tank lists

- LUST. Leaking Underground Storage Tank Case Listing from the California Regional Water Quality Control Board . The State Water Resources Control Board's LUST database may also have more current information.

Site Name	Address	Case	Potential Impact on Subject Property
CITY OF ARCADIA	250 W HUNTINGTON DR	COMPLETED - CASE CLOSED AS OF 1/31/2002	None or minimal.
JUSTICE BROTHERS INC	941 HUNTINGTON DR W	Status: Completed - Case Closed	None or minimal.
TUNE UP MASTERS SHOP	915 HUNTINGTON DR E	Status: Completed - Case Closed	None or minimal.

State and tribal registered storage tank lists

- UST: Active UST Facilities. Active UST facilities gathered from the local regulatory agencies.

Number of Sites Listed	Potential Impact on Subject Property
1	Being found on the list does not necessarily indicate that an unauthorized release of hazardous substances to the environment had occurred at the listed site. ENVIROASSESSORS is not aware of any evidence that the listed site has environmentally negatively impacted the subject property.

B. ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

- CERS HAZ WASTE: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

Number of Sites Listed	Potential Impact on Subject Property
4	Being found on the list does not necessarily indicate that an unauthorized release of hazardous substances to the environment had occurred at the listed sites. ENVIROASSESSORS is not aware of any evidence that the listed sites have environmentally negatively impacted the subject property.

Local Lists of Registered Storage Tanks

- SWEEPS UST: SWEEPS UST Listing. Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained.

Number of Sites Listed	Potential Impact on Subject Property
8	Being found on the list does not necessarily indicate that an unauthorized release of hazardous substances to the environment had occurred at the listed sites. ENVIROASSESSORS is not aware of any evidence that the listed sites have environmentally negatively impacted the subject property.

- HIST UST: Hazardous Substance Storage Container Database. The Hazardous Substance Storage Container Database is a historical listing of UST sites.

Number of Sites Listed	Potential Impact on Subject Property
9	Being found on the list does not necessarily indicate that an unauthorized release of hazardous substances to the environment had occurred at the listed sites. ENVIROASSESSORS is not aware of any evidence that the listed sites have environmentally negatively impacted the subject property.

- CA FID UST: Facility Inventory Database. The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board.

Number of Sites Listed	Potential Impact on Subject Property
2	Being found on the list does not necessarily indicate that an unauthorized release of hazardous substances to the environment had occurred at the listed sites. ENVIROASSESSORS is not aware of any evidence that the listed sites have environmentally negatively impacted the subject property.

- CERS TANKS: California Environmental Reporting System (CERS) Tanks. List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Number of Sites Listed	Potential Impact on Subject Property
2	Being found on the list does not necessarily indicate that an unauthorized release of hazardous substances to the environment had occurred at the listed sites. ENVIROASSESSORS is not aware of any evidence that the listed sites have environmentally negatively impacted the subject property.

Other Ascertainable Records

- RCRA-NonGen: RCRA - Non Generators. RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Number of Sites Listed	Potential Impact on Subject Property
19	Being found on the list does not necessarily indicate that an unauthorized release of hazardous substances to the environment had occurred at the listed sites. ENVIROASSESSORS is not aware of any evidence that the listed sites have environmentally negatively impacted the subject property.

- CORTESE: "Cortese" Hazardous Waste & Substances Sites List. The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites). This listing is no longer updated by the state agency.

Site Name	Address	Case	Potential Impact on Subject Property
CITY OF ARCADIA	250 W HUNTINGTON DR	COMPLETED - CASE CLOSED AS OF 1/31/2002	None or minimal.
JUSTICE BROTHERS INC	941 HUNTINGTON DR W	Status: Completed - Case Closed	None or minimal.
TUNE UP MASTERS SHOP	915 HUNTINGTON DR E	Status: Completed - Case Closed	None or minimal.

- DRYCLEANERS: Cleaner Facilities A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; dry cleaning plants, except rugs; carpet and upholstery cleaning; industrial launderers; laundry and garment services.

Number of Sites Listed	Potential Impact on Subject Property
1	Being found on the list does not necessarily indicate that an unauthorized release of hazardous substances to the environment had occurred at the listed site. ENVIROASSESSORS is not aware of any evidence that the listed site has environmentally negatively impacted the subject property.

- HAZNET: Facility and Manifest Data. Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method.

Number of Sites Listed	Potential Impact on Subject Property
1	Being found on the list does not necessarily indicate that an unauthorized release of hazardous substances to the environment had occurred at the listed site. ENVIROASSESSORS is not aware of any evidence that the listed site has environmentally negatively impacted the subject property.

- HIST CORTESE: Hazardous Waste & Substance Site List. The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES].

Site Name	Address	Case	Potential Impact on Subject Property
JUSTICE BROTHERS INC	941 HUNTINGTON DR W	Status: Completed - Case Closed	None or minimal.
TUNE UP MASTERS SHOP	915 HUNTINGTON DR E	Status: Completed - Case Closed	None or minimal.

- LOS ANGELES COUNTY HMS: Street Number List. Industrial Waste and Underground Storage Tank Sites. Source: Department of Public Works.

Number of Sites Listed	Potential Impact on Subject Property
1	Being found on the list does not necessarily indicate that an unauthorized release of hazardous substances to the environment had occurred at the listed site. ENVIROASSESSORS is not aware of any evidence that the listed site has environmentally negatively impacted the subject property.

C. EDR HIGH RISK HISTORICAL RECORDS

- EDR Historical Auto Stations: EDR Proprietary Historic Gas Stations. EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service

station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc.

Number of Sites Listed	Potential Impact on Subject Property
4 Includes LOWELL & STOUT UNION, a former occupant of the subject property	Being found on the list does not necessarily indicate that an unauthorized release of hazardous substances to the environment had occurred at the listed sites. ENVIROASSESSORS is not aware of any evidence that the listed sites have environmentally negatively impacted the subject property.

- EDR Historical Cleaners: EDR Proprietary Historic Dry Cleaners. EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc.

Number of Sites Listed	Potential Impact on Subject Property
1	Being found on the list does not necessarily indicate that an unauthorized release of hazardous substances to the environment had occurred at the listed site. ENVIROASSESSORS is not aware of any evidence that the listed site has environmentally negatively impacted the subject property.

D. EDR RECOVERED GOVERNMENT ARCHIVES

No sites found within 0.25 miles of the subject property were found in the databases searched.

There are no records of reported hazardous materials spillage/leakage at the subject property based on the review of databases. The owner of the subject property is an unlikely potential responsible party for any contamination due to hazardous materials traceable to any listed sites, based on the information from the database reports. Under Section 26 (4) d of the amended Part 201 of the Natural Resources and Environmental Protection Act, (NREPA, 1994, P.A. 451), "the owner or operator of property onto which contamination has migrated is not liable for that contamination, unless the owner or operator is responsible for an activity causing the release that is the source of the contamination."

4.4 RESULTS OF SITE HISTORY/LAND USE REVIEW

A gasoline service station operated on the subject property from 1950, at the latest, until possibly the late 1960s or early 1970s. An automotive repair facility may have been concurrently operated along with the service station until the property was redeveloped into a Souplantation restaurant in 1988. The restaurant operated until 2020 when it

ceased operations due possibly in part to the coronavirus pandemic impact on indoor dining restrictions.

The following subsections discuss the findings.

4.4.1 Interviews

During the site visit on March 4, 2021, Mr. Norman Sacro of ENVIROASSESSORS was given free access to the subject property by the seller's broker. Any information gathered has been incorporated in Sections 3.0 and 4.0. No property features observed warranted further inquiry with respect to environmental concerns.

4.4.2 User Questionnaire and User-Provided Information

A user of this present Phase I report is Mr. Dustin Nicolarsen of The Derby. He filled out the User Questionnaire found in Appendix 8.4.

Conducting a search for recorded environmental liens is beyond the scope of ENVIROASSESSORS' responsibility in preparing this Phase I report.

4.4.3 Building Records Review

Records made available online by the City of Arcadia Department of Building and Safety pertinent to the subject property were reviewed. Table 1 presents a summary of permitting activities. Various permitting documents dated 2002 to 2013 were reviewed. Appendix 8.5 presents copies of downloaded documents. All documents pertained to the Souplantation restaurant and none to previous permitting activities. No documents that indicate a potential environmental concern were found. Specifically, review of building records reveals the following:

- No construction of industrial or manufacturing facilities; and
- No installation of any storage facilities for hazardous materials such as underground storage tanks.

Table 1. SUMMARY OF PERMITTING ACTIVITIES

DATE	TYPE OF PERMIT/ DOCUMENT	DESCRIPTION	CURRENT USE OF PROPERTY	PROPOSED USE OF PROPERTY	DECLARED OWNER**/ BUSINESS NAME/ APPLICANT
3-26-2002	Fire sprinkler/alarm permit	Fire sprinklers for canopy	Restaurant	*	Soup Plantation
2-25-2002	Building permit	Canopy over service yard, 2 floor drains, extend water heater vent above roof	Restaurant	*	Soup Plantation
4-28-2005	Building permit	Change out dishwasher and add circuit outlet for soda station	Restaurant	*	Soup Plantation
5-17-2010	Plumbing permit	Install 5 new tankless water heaters	Restaurant	*	Soup Plantation
10-10-2013	Building permit	Install ADA compliant van parking, car parking, railing, striping and ramps	Restaurant	*	Soup Plantation

* Not declared **As indicated in the documents submitted/cited. Not necessarily the legal owner.
? Not legible

4.4.4 Historical Map Search and Review

ENVIROASSESSORS requested a search for historical maps from EDR to assist in identifying previous land use of the subject property as well as the immediate vicinity. The EDR collection includes Sanborn Fire Insurance Maps that were prepared for fire insurance underwriting purposes. These maps describe the construction materials of buildings and their fire resistance characteristics. They indicate the location of fire prevention devices, gasoline storage tanks, water lines, cisterns, and any potentially flammable materials.

The search did not find any historical maps from the EDR inventory. Appendix 8.6 presents a Sanborn Map Report.

4.4.5 City Directory Review

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract Report includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals. Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1920 through 2014. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 660 feet of the target property. A summary of the information obtained is provided in the text of this report. Appendix 8.7 includes the EDR City Directory Abstract Report. Table 2 below summarizes the findings as they are listed in the report.

Historical usage of the subject property includes the following (not necessarily in chronological order): gasoline service station, automotive repair, and restaurant.

Table 2. SUMMARY OF CITY DIRECTORY LISTINGS

YEAR	OCCUPANT NAME
1950	PUTMAN A E SERV STN
1957	LOWELL & STOUT UNION SERV
1960	LOWELL & STOUT UNION SERV
1960	UNION OIL DLRS
1966	ARCADIA MOTORS
1994	SOUPLANTATION
1995	SOUPLANTATION
1999	SOUPLANTATION
2004	SOUPLANTATION
2006	SOUPLANTATION
2009	GARDEN FRESH RESTAURANT CORP
2009	SOUPLANTATION
2014	SOUPLANTATION & SWEET TOMATOES

4.4.6 Aerial Photographs

A search for historical aerial photographs on the subject property and the surrounding properties was conducted online by ENVIROASSESSORS using Historic Aerials by

Nationwide Environmental Title Research (NETR) and Google Earth resources. Photographs taken from 1952 through 2016 were analyzed. Copies of the aerial photographs are found in Appendix 8.12. Table 3 summarizes the findings.

Table 3. ANALYSIS OF AERIAL PHOTOGRAPHS

DATE FLOWN	SOURCE	REMARKS
1952, 1954, 1964	NETR	**Subject Property:** Appears to be three commercial structures, consistent with the city directory that there was a service station on the property between 1950 and 1960. **General Surrounding Area:** Mostly residential structures to the south and commercial structures to the west and east. No landfill operations are identifiable on the subject property or adjacent areas.
1972, 1977, 1980	NETR	**Subject Property:** The commercial structure towards the southern portion of the property is no longer visible. **General Surrounding Area:** More commercial structures to the west and east. No landfill operations are identifiable on the subject property or adjacent areas.
1994, 2002, 2003, 2005, 2009, 2010, 2012, 2014, 2016	NETR	**Subject Property:** There is now a large commercial building, which appears to be the restaurant observed during the site visit. **General Surrounding Area:** The hotel to the north and the retail shopping centers to the south are now visible. No landfill operations are identifiable on the subject property or adjacent areas.

4.5 SYNOPSIS OF PREVIOUS ENVIRONMENTAL INVESTIGATIONS AND REGULATORY AGENCY RECORDS SEARCH AND REVIEW

ENVIROASSESSORS was not provided any environmental studies previously conducted on the subject property. ENVIROASSESSORS is not aware of any environmental studies conducted in the past on the subject property.

ENVIROASSESSORS accessed GeoTracker, an online source for environmental data for regulated facilities maintained by the California State Water Resources Control Board. GeoTracker does not have any information on the subject property (See Appendix 8.8).

California Department of Conservation, Division of Oil, Gas, and Geothermal Resources (DOGGR) maps available online concerning the subject property and nearby properties were reviewed. DOGGR maps contain information regarding oil and gas resources development. According to the DOGGR map, there are no oil or gas wells within 1,000

feet of the approximate center of the subject property (See Appendix 8.9). No potential environmental concerns were noted as a result of the review.

ENVIROASSESSORS accessed EnviroStor, an online source for environmental data for regulated facilities maintained by the California Department of Toxic Substance Control. EnviroStor does not have any information on the subject property (See Appendix 8.10).

ENVIROASSESSORS submitted a request for records on the subject property to the Los Angeles County Fire Department pertaining to underground storage tank installation/removal/remediation as well as hazardous materials/wastes remediation. The search did not find any records on the subject property (See Appendix 8.12).

ENVIROASSESSORS conducted an online file search of the records maintained by the Los Angeles County Department of Public Works, Waste Management Division (LACDPW). The agency did not show any records related to industrial waste, underground storage tank, or stormwater for the subject property.

4.7 DATA GAPS

Data gap is a lack of or inability to obtain information required by ASTM Practice E 1527-13 despite good faith efforts by the environmental professional to gather such information. Any data gaps identified are not considered to have significantly affected the ability to identify recognized environmental conditions in connection with the subject property and do not alter the conclusions and recommendations of this report.

5.0 CONCLUSIONS AND RECOMMENDATIONS

In conformance with the scope and limitations of ASTM Practice E 1527-13, ENVIROASSESSORS performed a Phase I Environmental Site Assessment of the subject property. Any exceptions to, or deletions from, this practice are described in Sections 1.2 and 5.0 of this report. This assessment has revealed no evidence of *recognized environmental conditions* (RECs) in connection with the subject property except for the following:

> A gasoline service station operated on the subject property from 1950, at the latest, until possibly the late 1960s or early 1970s. An automotive repair facility may have been concurrently operated along with the service station until the property was redeveloped into a restaurant in 1988. No documentation was found regarding the removal of the fuel underground storage tanks and dispensers used by the service station. Also, there is potential for subsurface impact due to petroleum-derived organic compounds as well as indoor vapor intrusion.

The term *recognized environmental conditions* means the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. *De minimis* conditions are not RECs nor *controlled recognized environmental conditions* (CRECs). A *de minimis condition is* a condition that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

This assessment has revealed no CRECs. CREC is an REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).

This assessment has revealed no evidence *historical recognized environmental conditions* (HRECs) in connection with the subject property. An HREC is a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without

subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).

The qualitative scale used for ranking potential business environmental risk concerns is low, low to moderate, moderate to high, and high probability for environmental impairment liability. This definition is exclusive to ENVIROASSESSORS and is not within the scope and limitations of ASTM Practice E 1527-13. The subject property was determined to have a *high potential* for environmental impairment liability based on the evaluation of the following findings:

- Present use the property;
- No observed industrial wastewater generation;
- Potential presence of non-friable asbestos-containing materials;
- Non-generation of hazardous wastes requiring special handling;
- Presence and management of limited quantities of potentially hazardous materials such as cleaning materials found during the site visit;
- No observed potentially PCB-containing electrical devices requiring special management at this time;
- No observed pesticide use;
- The age of the building and neighboring land use;
- Presence of listed potential hazardous waste sites within one mile of the subject property;
- The historical use of the property, particularly as a gasoline service station; and
- Public domain information on the property.

A Phase II environmental investigation is recommended to be conducted to address the REC identified above.

The following are also recommended to be conducted (as required by pertinent regulatory agencies):

- Prior to future renovations or building demolition suspect ACMs should be sampled and analyzed for asbestos content. Confirmed ACM should be managed in accordance with applicable federal and state regulations.

- Prior to future building renovations or demolition, samples of suspect painted materials should be collected and analyzed for lead content. Confirmed LBP should be managed in accordance with applicable federal and state regulations.

- During routine maintenance, light ballasts at the site should be checked for "non-PCB" labels. If labels are not observed, waste ballasts should be handled and disposed of in accordance with applicable Federal, State, and local regulations."

No further environmental investigation is recommended to be performed at this time.

6.0 LIMITATIONS

The purpose of this investigation was to assess the potential environmental liabilities at the subject site. The investigation involved a comprehensive site visit for an ocular inspection, document review at the regulatory agencies, and interviews with knowledgeable sources.

The information obtained from available public agency files is impartially presented here. Any information and reports provided by other parties have not been verified for accuracy. The accuracy of conclusions drawn from findings is inherently dependent on the accuracy of the available pertinent information.

ENVIROASSESSORS relied on information derived from secondary sources including governmental agencies, the Client (User), designated representatives of the Client (User), property contact, property owner, property owner representatives, computer databases, and personal interviews. Except as set forth in this report, ENVIROASSESSORS has made no independent investigation as to the accuracy and completeness of the information derived from secondary sources including government agencies, the Client, designated representatives of the Client, property contact, property owner, property owner representatives, computer databases, or personal interviews and has assumed that such information is accurate and complete. ENVIROASSESSORS assumes information provided by or obtained from governmental agencies including information obtained from government websites is accurate and complete. ENVIROASSESSORS assumes the property has been correctly and accurately identified by the Client (User), designated representative of the Client (User), property contact, property owner, and property owner's representatives. ENVIROASSESSORS assumes that the Client (User), Client representatives, Client Legal Counsel, designated representatives of the Client, Key Site Manager, property contact, property owner, property owner representatives, and property brokers, used good faith in answering questions and in obtaining information for the subject property as defined in 10.8 of the ASTM E 1527-13 practice. This would also include obtaining those helpful documents from previous owners, operators, tenants, brokers, financial institutions etc. ENVIROASSESSORS also assumes the Client designated appropriate and knowledgeable people for performance of the Phase I.

The report presents a description of the conditions observed at the subject property. The current environmental conditions may vary considerably from that which was observed during this investigation. Any additional data that may become available later shall be reviewed by ENVIROASSESSORS and the conclusions presented herein will be subsequently modified.

ENVIROASSESSORS does not under any circumstances warrant or guarantee that not finding evidence of *recognized environmental conditions* in connection with the *property* means that environmental contamination does not exist in the subject property. Additional investigation, including surface or subsurface sampling and analysis outside the scope of this Phase I Environmental Site Assessment, may provide a more definitive basis for determining whether contamination exists at levels of concern in the subject property.

This report was prepared in accordance with ENVIROASSESSORS' proposal and standard terms and conditions. No other warranty, expressed or implied is made. No statement or information provided in this report should be considered a legal advice. Proper legal advice should be consulted as necessary.

7.0 REFERENCES

EDR. March 4, 2021. EDR Radius Map with GeoCheck.

EDR. March 4, 2021. Certified Sanborn Map Report.

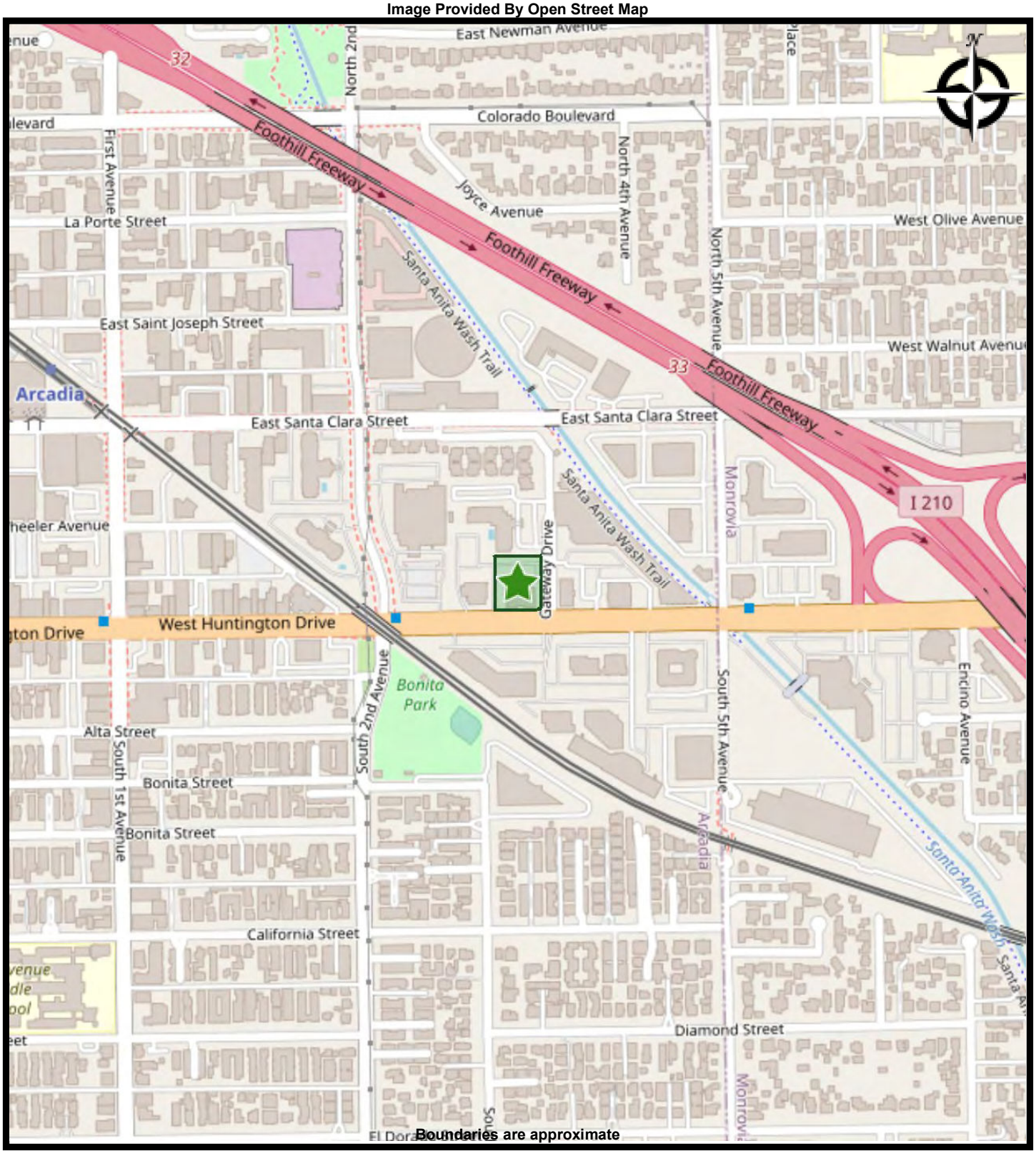
EDR. March 5, 2021. The EDR-City Directory Abstract.

Historic Aerials by Nationwide Environmental Title Research (NETR). Aerial photographs taken in 1952 through 2016.

8.0 APPENDICES

APPENDIX 8.1 - Street Map and Topographic Map

Image Provided By Open Street Map

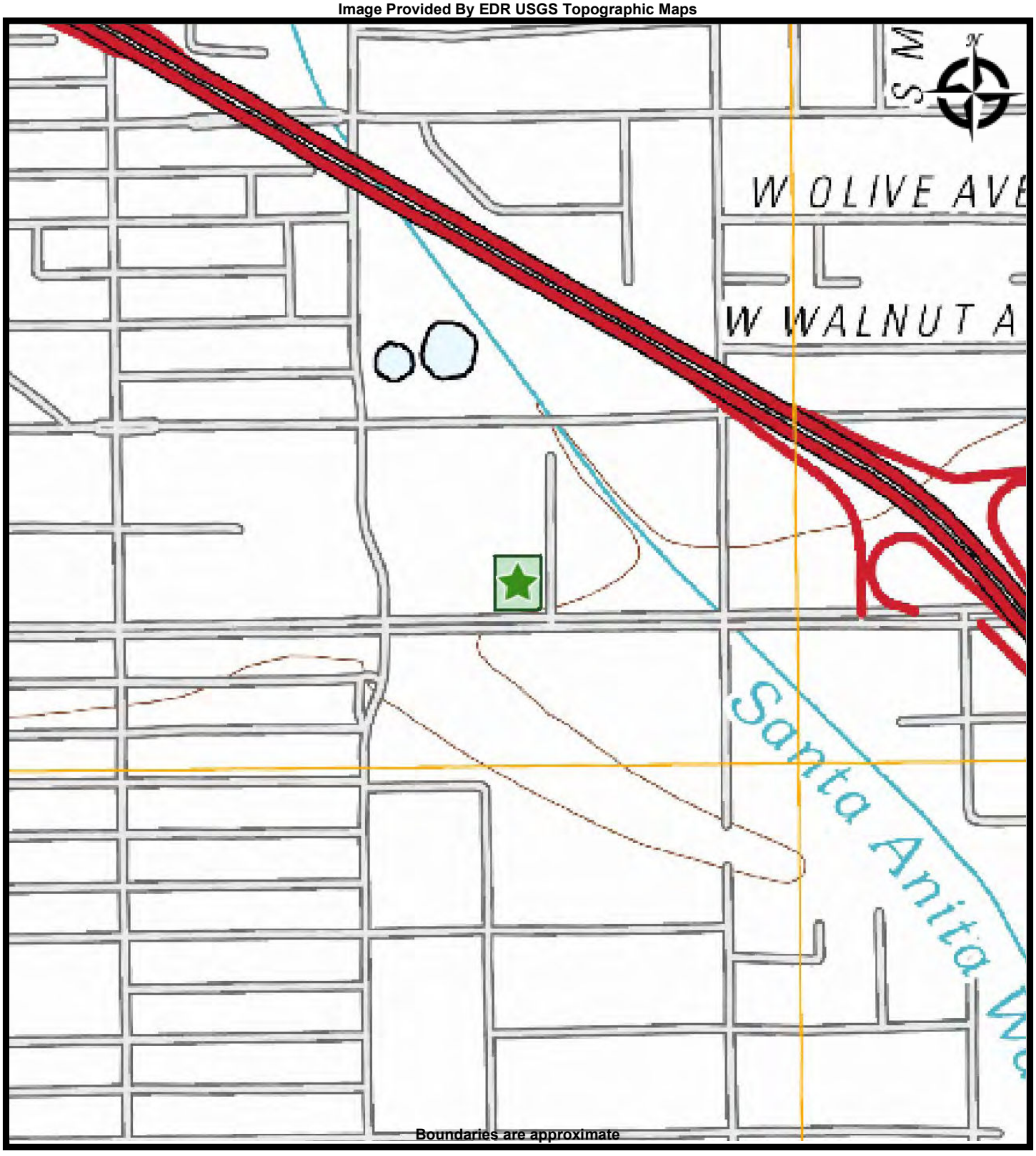


Boundaries are approximate

STREET MAP-1

301 East Huntington Drive
Arcadia, California 91006
3/17/2021

Image Provided By EDR USGS Topographic Maps



TOPO MAP - 2012

301 East Huntington Drive
Arcadia, California 91006
3/17/2021

APPENDIX 8.2 - Photographs



Photo 1



Photo 2

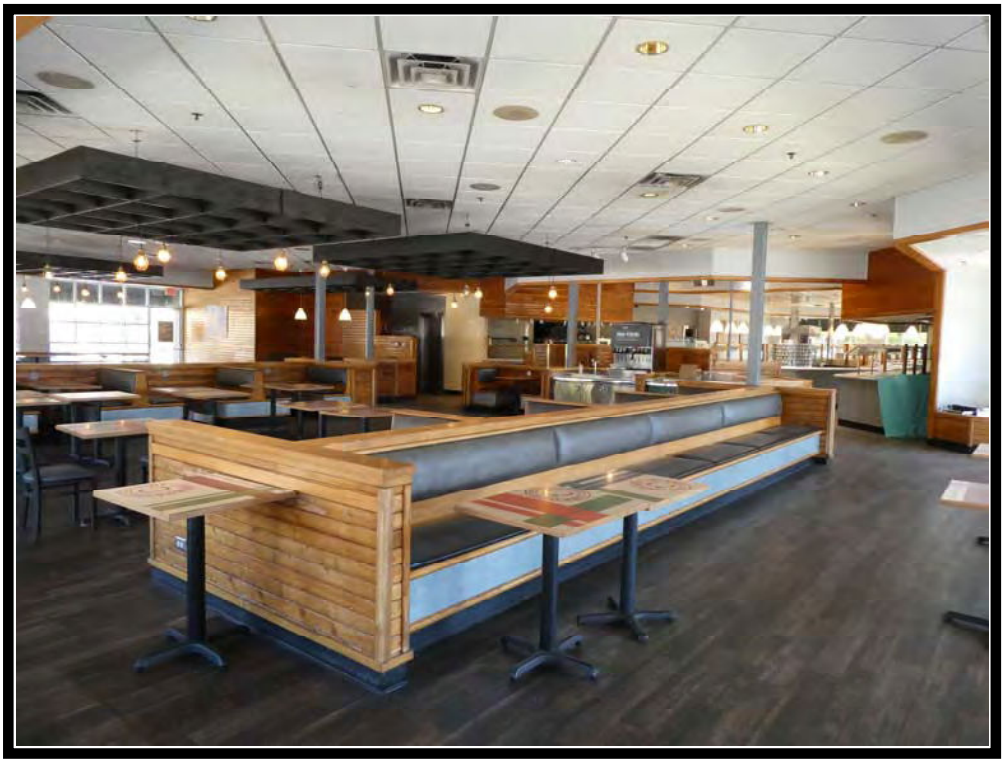


Photo 3



Photo 4



Photo 5



Photo 6



Photo 7



Photo 8



Photo 9



Photo 10



Photo 11



Photo 12



Photo 13



Photo 14



Photo 15

APPENDIX 8.3 - EDR Radius Map Report With GeoCheck

Elite Holdings
301 East Huntington Drive
Arcadia, CA 91006

Inquiry Number: 6392358.2s
March 04, 2021

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION	PAGE
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	9
Orphan Summary	276
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting Source Map	A-7
Physical Setting Source Map Findings	A-8
Physical Setting Source Records Searched	PSGR-1

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

301 EAST HUNTINGTON DRIVE
ARCADIA, CA 91006

COORDINATES

Latitude (North):	34.1405920 - 34° 8' 26.13''
Longitude (West):	118.0231670 - 118° 1' 23.40''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	405664.7
UTM Y (Meters):	3778022.5
Elevation:	483 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5636853 MOUNT WILSON, CA
Version Date:	2012
Southwest Map:	5630799 EL MONTE, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140515
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
301 EAST HUNTINGTON DRIVE
ARCADIA, CA 91006

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	LOWELL & STOUT UNION	301 E HUNTINGTON DR	EDR Hist Auto		TP
A2	CITY OF ARCADIA REDE	313 E HUNTINGTON DR	SWEEPS UST, LOS ANGELES CO. HMS	Lower	4, 0.001,
A3	1X CITY OF ARCADIA	317 E HUNTINGTON DR	HAZNET, HWTS	Lower	4, 0.001,
A4	LESLIE'S POOL SUPPLI	324 E HUNTINGTON DR,	RCRA NonGen / NLR	Lower	81, 0.015, SSW
A5	COSMOPROF BEAUTY #88	332 E HUNTINGTON DR	CERS HAZ WASTE, HAZNET, HWTS	Lower	81, 0.015, SSW
A6	COSMOPROF BEAUTY	332 E HUNTINGTON DR	RCRA NonGen / NLR	Lower	81, 0.015, SSW
A7	LOMBARDO AUTOMOTIVE	334 E HUNTINGTON	EDR Hist Auto	Lower	81, 0.015, SSW
A8	METHODIST HOSPITAL O	300 HUNTINGTON DR	RCRA-LQG	Lower	86, 0.016, SSW
A9	ECOLAB INC	233 E. HUNTINGTON DR	RCRA NonGen / NLR	Lower	91, 0.017, WSW
A10	CITY OF ARCADIA	250 W HUNTINGTON DR	LUST, SWEEPS UST, HIST UST, CA FID UST, Cortese,...	Lower	130, 0.025, SW
A11	CITY OF ARCADIA REDE	311 E HUNTINGTON DR	SWEEPS UST, LOS ANGELES CO. HMS	Higher	156, 0.030, NNW
B12	AOA CAPITAL LLC	440 E HUNTINGTON DR	RCRA NonGen / NLR	Lower	238, 0.045, SE
B13	DENTAL CENTER OF ARC	440 E HUNTINGTON DR	RCRA NonGen / NLR	Lower	238, 0.045, SE
B14	ARCADIA DATSUN	333 E HUNTINGTON DR	SWEEPS UST, LOS ANGELES CO. HMS	Lower	381, 0.072, East
B15	ARCADIA NISSAN	333 E HUNTINGTON DR	RCRA-SQG, FINDS, ECHO	Lower	381, 0.072, East
C16	SOUTHWEST CLEANERS A	411 E HUNTINGTON DR	DRYCLEANERS	Lower	481, 0.091, East
C17	SALONCENTRIC INC 600	411 E HUNTINGTON DR	RCRA NonGen / NLR	Lower	481, 0.091, East
C18	CLASS A COIN LAUNDRY	411 E HUNTINGTON DR	EDR Hist Cleaner	Lower	481, 0.091, East
C19	BEYOND CARE HOSPICE	411 E HUNTINGTON DR	RCRA NonGen / NLR	Lower	481, 0.091, East
C20	WALLICK LEE CHEVRON	415 E HUNTINGTON DR	EDR Hist Auto	Lower	485, 0.092, East
21	EXTENDED STAY	420 E SANTA CLARA ST	RCRA NonGen / NLR	Higher	509, 0.096, North
D22	KIEWIT ARCADIA YARD	301 E SANTA CLARA ST	RCRA NonGen / NLR, FINDS, ECHO	Higher	569, 0.108, NNW
D23	KIEWIT PACIFIC	301 E SANTA CLARA	HIST UST	Higher	569, 0.108, NNW
D24	CITY OF ARCADIA	301 E SANTA CLARA ST	SWEEPS UST, CA FID UST, LOS ANGELES CO. HMS, LA...	Higher	569, 0.108, NNW
D25	ARCADIA YARD	301 E SANTA CLARA ST	HIST UST	Higher	569, 0.108, NNW
E26	VALLEY DIGESTINE HEA	488 E SANTA CLARA ST	RCRA NonGen / NLR	Higher	583, 0.110, NE
E27	ZOTOS INTERNATIONAL,	488 EAST SANTA CLARA	RCRA NonGen / NLR	Higher	583, 0.110, NE
28	CARL'S FLYING A SERV	159 E HUNTINGTON DR	EDR Hist Auto	Higher	656, 0.124, West
F29	CLIFFORD C BONG AND	123 N THIRD AVE	HIST UST	Lower	753, 0.143, SSW
F30	CLIFFORD C. BONG & C	123 S 3RD AVE	HIST UST	Lower	753, 0.143, SSW
F31	ARCADIA USD HUNTINGT	150 S 3RD AVE	RCRA-SQG, FINDS, ECHO	Lower	792, 0.150, South
G32	QUALITY CAR CARE PRO	941 W HUNTINGTON DR	HIST UST, EMI	Lower	841, 0.159, East
H33	OPTUM	450 E HUNTINGTON DR	RCRA NonGen / NLR	Lower	845, 0.160, SE
I34	TECHNAR INC	205 N SECOND ST	RCRA NonGen / NLR, HAZNET, HWTS	Higher	868, 0.164, NW
G35	JUSTICE BROTHERS INC	941 HUNTINGTON DR W	LUST, Cortese, HIST CORTESE, LOS ANGELES CO. HMS,...	Lower	905, 0.171, East
36	DK CYCLES INC DBA HE	142 E HUNTINGTON DR	RCRA NonGen / NLR	Lower	945, 0.179, WSW
I37	J M RACING INC	144 E SANTA CLARA ST	RCRA-SQG	Higher	991, 0.188, WNW
G38	TUNE UP MASTERS SHOP	915 HUNTINGTON DR E	LUST, Cortese, HIST CORTESE, CERS	Lower	995, 0.188, East
J39	ARCADIA MOTOR SVC	134 WHEELER	RCRA-SQG, FINDS, ECHO	Higher	1026, 0.194, West

MAPPED SITES SUMMARY

Target Property Address:
301 EAST HUNTINGTON DRIVE
ARCADIA, CA 91006

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
J40	DAN'S AUTO CARE	134 E WHEELER AVE	CERS HAZ WASTE, CERS	Higher	1026, 0.194, West
J41	ARCADIA MOTOR SERVIC	134 WHEELER AVE	SWEEPS UST, LOS ANGELES CO. HMS	Higher	1026, 0.194, West
J42	ARCADIA MOTOR SERVIC	134 WHEELER AVE	HIST UST	Higher	1026, 0.194, West
J43	DANS AUTO CARE	134 WHEELER AVE	RCRA NonGen / NLR	Higher	1026, 0.194, West
44	TOVA 9	140 E SANTA CLARA	RCRA-SQG, FINDS, ECHO	Higher	1054, 0.200, WNW
I45	APW DEVELOPMENT COMP	225 NORTH SECOND AVE	RCRA-SQG	Higher	1060, 0.201, NW
I46	E-Z-HOOK, DIVISION O	225 N 2ND AVE	UST	Higher	1060, 0.201, NW
I47	APW DEVELPMENT COMPA	225 N 2ND AVE	CERS TANKS, HAZNET, LOS ANGELES CO. HMS, HWTS	Higher	1060, 0.201, NW
I48	MCPHERSON PRINTING	135 E. SANTA CLARA S	RCRA NonGen / NLR	Higher	1079, 0.204, NW
H49	SOUTHERN CALIFORNIA	1218 S 5TH AVE	CERS HAZ WASTE, CERS TANKS, HAZNET, CERS, HWTS	Lower	1098, 0.208, SE
K50	PHILLIP H SCOTT 14-0	912 W HUNTINGTON	HIST UST	Lower	1106, 0.209, East
K51	95098	854 HUNTINGTON DR	SWEEPS UST, HIST UST	Lower	1140, 0.216, East
L52	COLLECTORS CARS	150 E ST JOSEPH	RCRA-SQG, FINDS, ECHO, HAZNET, HWTS	Higher	1200, 0.227, NW
53	AIR LOGISTICS CORP	324 N SECOND ST	RCRA NonGen / NLR, FINDS, ECHO	Higher	1258, 0.238, NNW
L54	TAKANOS BODY SHOP	140 E ST. JOSEPH ST	RCRA-SQG, FINDS, ECHO	Higher	1302, 0.247, NW
L55	AUTOSQUARE COLLISION	140 E SAINT JOSEPH S	CERS HAZ WASTE, HAZNET, CERS, HWTS	Higher	1302, 0.247, NW
L56	AUTO SQUARE COLLISIO	140 E SAINT JOSEPH S	RCRA NonGen / NLR	Higher	1302, 0.247, NW
L57	CALIBER COLLISION CE	140 E SAINT JOSEPH S	RCRA NonGen / NLR	Higher	1302, 0.247, NW
58	WORLD VISION	840 CHESTNUT ST	SWEEPS UST	Higher	1305, 0.247, ENE
59	CHEVRON SERVICE STAT	102 HUNTINGTON DR E	LUST, Cortese, CERS	Higher	1339, 0.254, West
60	CONTAINERIZED CHEMIC	47 SAINT JOSEPH ST E	Cortese, NON-CASE INFO	Higher	1975, 0.374, WNW
61	DANCO ANODIZING DBA	44 LA PORTE ST	CPS-SLIC, HAZNET, HWTS	Higher	2225, 0.421, NW
M62	TROTTER APARTMENTS	829 W. OLIVE AVENUE	SEMS	Higher	2313, 0.438, NE
M63	TROTTER APARTMENTS	827/829 W OLIVE AVE	RESPONSE, ENVIROSTOR, HIST Cal-Sites, CERS	Higher	2415, 0.457, NE
64	PROPOSED SCHOOL ADDI	845 WEST COLORADO BO	ENVIROSTOR, SCH	Higher	2526, 0.478, NE
65	TRANSAMERICA DELAVAL	333 NORTH SANTA ANIT	ENVIROSTOR	Higher	2944, 0.558, WNW
N66	ROSS FIELD		FUDS	Lower	4941, 0.936, WSW
N67	ROSS FIELD		ENVIROSTOR	Lower	4942, 0.936, WSW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 9 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
LOWELL & STOUT UNION 301 E HUNTINGTON DR ARCADIA, CA 91006	EDR Hist Auto	N/A

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ---------- National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY ---------- Federal Facility Site Information listing

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE ---------- Superfund Enterprise Management System Archive

Federal RCRA CORRACTS facilities list

CORRACTS ---------- Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF ---------- RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-VSQG ---------- RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

EXECUTIVE SUMMARY

Federal institutional controls / engineering controls registries

LUCIS ---- Land Use Control Information System
US ENG CONTROLS ---- Engineering Controls Sites List
US INST CONTROLS ---- Institutional Controls Sites List

Federal ERNS list

ERNS ---- Emergency Response Notification System

State and tribal landfill and/or solid waste disposal site lists

SWF/LF ---- Solid Waste Information System

State and tribal leaking storage tank lists

INDIAN LUST ---- Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

FEMA UST ---- Underground Storage Tank Listing
AST ---- Aboveground Petroleum Storage Tank Facilities
INDIAN UST ---- Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

VCP ---- Voluntary Cleanup Program Properties
INDIAN VCP ---- Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BROWNFIELDS ---- Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ---- A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT ---- Waste Management Unit Database
SWRCY ---- Recycler Database
HAULERS ---- Registered Waste Tire Haulers Listing
INDIAN ODI ---- Report on the Status of Open Dumps on Indian Lands
DEBRIS REGION 9 ---- Torres Martinez Reservation Illegal Dump Site Locations
ODI ---- Open Dump Inventory
IHS OPEN DUMPS ---- Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL ---- Delisted National Clandestine Laboratory Register
AOCONCERN ---- Key Areas of Concerns in Los Angeles County

SCH	School Property Evaluation Program
CDL	Clandestine Drug Labs
Toxic Pits	Toxic Pits Cleanup Act Sites
US CDL	National Clandestine Laboratory Register
PFAS	PFAS Contamination Site Location Listing

Local Land Records

LIENS	Environmental Liens Listing
LIENS 2	CERCLA Lien Information
DEED	Deed Restriction Listing

Records of Emergency Release Reports

HMIRS	Hazardous Materials Information Reporting System
CHMIRS	California Hazardous Material Incident Report System
LDS	Land Disposal Sites Listing
MCS	Military Cleanup Sites Listing
SPILLS 90	SPILLS 90 data from FirstSearch

Other Ascertainable Records

DOD	Department of Defense Sites
SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR	Financial Assurance Information
EPA WATCH LIST	EPA WATCH LIST
2020 COR ACTION	2020 Corrective Action Program List
TSCA	Toxic Substances Control Act
TRIS	Toxic Chemical Release Inventory System
SSTS	Section 7 Tracking Systems
ROD	Records Of Decision
RMP	Risk Management Plans
RAATS	RCRA Administrative Action Tracking System
PRP	Potentially Responsible Parties
PADS	PCB Activity Database System
ICIS	Integrated Compliance Information System
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS	Material Licensing Tracking System
COAL ASH DOE	Steam-Electric Plant Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database
RADINFO	Radiation Information Database
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS	Incident and Accident Data
CONSENT	Superfund (CERCLA) Consent Decrees
INDIAN RESERV	Indian Reservations
FUSRAP	Formerly Utilized Sites Remedial Action Program
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites
US AIRS	Aerometric Information Retrieval System Facility Subsystem
US MINES	Mines Master Index File
ABANDONED MINES	Abandoned Mines
FINDS	Facility Index System/Facility Registry System
ECHO	Enforcement & Compliance History Information

UXO	Unexploded Ordnance Sites
DOCKET HWC	Hazardous Waste Compliance Docket Listing
FUELS PROGRAM	EPA Fuels Program Registered Listing
CA BOND EXP. PLAN	Bond Expenditure Plan
CUPA Listings	CUPA Resources List
EMI	Emissions Inventory Data
ENF	Enforcement Action Listing
Financial Assurance	Financial Assurance Information Listing
ICE	ICE
HWP	EnviroStor Permitted Facilities Listing
HWT	Registered Hazardous Waste Transporter Database
MINES	Mines Site Location Listing
MWMP	Medical Waste Management Program Listing
NPDES	NPDES Permits Listing
PEST LIC	Pesticide Regulation Licenses Listing
PROC	Certified Processors Database
Notify 65	Proposition 65 Records
LA Co. Site Mitigation	Site Mitigation List
UIC	UIC Listing
UIC GEO	UIC GEO (GEOTRACKER)
WASTEWATER PITS	Oil Wastewater Pits Listing
WDS	Waste Discharge System
WIP	Well Investigation Program Case List
MILITARY PRIV SITES	MILITARY PRIV SITES (GEOTRACKER)
PROJECT	PROJECT (GEOTRACKER)
WDR	Waste Discharge Requirements Listing
CIWQS	California Integrated Water Quality System
CERS	CERS
NON-CASE INFO	NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS	OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS	PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT	SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ	Well Stimulation Project (GEOTRACKER)
MINES MRDS	Mineral Resources Data System
HWTS	Hazardous Waste Tracking System
LOS ANGELES CO LF METHANE	Methane Producing Landfills

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	EDR Proprietary Manufactured Gas Plants

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF	Recovered Government Archive Solid Waste Facilities List
RGA LUST	Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

EXECUTIVE SUMMARY

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal CERCLIS list

SEMS: SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

A review of the SEMS list, as provided by EDR, and dated 12/30/2020 has revealed that there is 1 SEMS site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TROTTER APARTMENTS Site ID: 0905476 EPA Id: CASFN0905476	829 W. OLIVE AVENUE	NE 1/4 - 1/2 (0.438 mi.)	M62	259

Federal RCRA generators list

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 12/14/2020 has revealed that there is 1 RCRA-LQG site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
METHODIST HOSPITAL O EPA ID:: CAD981451685	300 HUNTINGTON DR	SSW 0 - 1/8 (0.016 mi.)	A8	23

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 12/14/2020 has revealed that there are 8 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
J M RACING INC EPA ID:: CAD983605726	144 E SANTA CLARA ST	WNW 1/8 - 1/4 (0.188 mi.)	I37	89
ARCADIA MOTOR SVC EPA ID:: CAD983583303	***134 WHEELER***	***W 1/8 - 1/4 (0.194 mi.)***	***J39***	***95***
TOVA 9 EPA ID:: CAD981629488	***140 E SANTA CLARA***	***WNW 1/8 - 1/4 (0.200 mi.)***	***44***	***106***
APW DEVELOPMENT COMP EPA ID:: CAC002821613	225 NORTH SECOND AVE	NW 1/8 - 1/4 (0.201 mi.)	I45	109
COLLECTORS CARS EPA ID:: CAD983659822	***150 E ST JOSEPH***	***NW 1/8 - 1/4 (0.227 mi.)***	***L52***	***132***
TAKANOS BODY SHOP EPA ID:: CAD982478869	***140 E ST. JOSEPH ST***	***NW 1/8 - 1/4 (0.247 mi.)***	***L54***	***141***

Lower Elevation	Address	Direction / Distance	Map ID	Page
ARCADIA NISSAN EPA ID:: CAD981445554	***333 E HUNTINGTON DR***	***E 0 - 1/8 (0.072 mi.)***	***B15***	***41***
ARCADIA USD HUNTINGT EPA ID:: CAD981667744	***150 S 3RD AVE***	***S 1/8 - 1/4 (0.150 mi.)***	***F31***	***66***

State- and tribal - equivalent NPL

RESPONSE: Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

A review of the RESPONSE list, as provided by EDR, has revealed that there is 1 RESPONSE site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TROTTER APARTMENTS	***827/829 W OLIVE AVE***	***NE 1/4 - 1/2 (0.457 mi.)***	***M63***	***260***

Database: RESPONSE, Date of Government Version: 10/26/2020
AWP Facility Id: 19000008
Status: Certified
Facility Id: 19000008

State- and tribal - equivalent CERCLIS

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 10/26/2020 has revealed that there are 4 ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TROTTER APARTMENTS	***827/829 W OLIVE AVE***	***NE 1/4 - 1/2 (0.457 mi.)***	***M63***	***260***
Facility Id: 19000008				
Status: Certified				
PROPOSED SCHOOL ADDI	***845 WEST COLORADO BO***	***NE 1/4 - 1/2 (0.478 mi.)***	***64***	***269***
Facility Id: 60000934				
Status: No Further Action				
TRANSAMERICA DELAVAL	333 NORTH SANTA ANIT	WNW 1/2 - 1 (0.558 mi.)	65	272
Facility Id: 19360517				
Status: Refer: Other Agency				

Lower Elevation	Address	Direction / Distance	Map ID	Page
ROSS FIELD		WSW 1/2 - 1 (0.936 mi.)	N67	274
Facility Id: 80001133				
Status: Inactive - Needs Evaluation				

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the LUST list, as provided by EDR, has revealed that there are 4 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CHEVRON SERVICE STAT	***102 HUNTINGTON DR E***	***W 1/4 - 1/2 (0.254 mi.)***	***59***	***159***
Database: LUST, Date of Government Version: 12/04/2020				
Status: Open - Site Assessment				
Global Id: T10000010447				

Lower Elevation	Address	Direction / Distance	Map ID	Page
CITY OF ARCADIA	***250 W HUNTINGTON DR***	***SW 0 - 1/8 (0.025 mi.)***	***A10***	***28***
Database: LUST REG 4, Date of Government Version: 09/07/2004				
Database: LUST, Date of Government Version: 12/04/2020				

Status: Completed - Case Closed
Facility Id: R-10517
Status: Leak being confirmed
Global Id: T0603793084
Global ID: T0603793084

JUSTICE BROTHERS INC ***941 HUNTINGTON DR W*** ***E 1/8 - 1/4 (0.171 mi.)*** ***G35*** ***83***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 12/04/2020
Status: Completed - Case Closed
Facility Id: I-15963
Status: Case Closed
Global Id: T0603704373
Global ID: T0603704373

TUNE UP MASTERS SHOP ***915 HUNTINGTON DR E*** ***E 1/8 - 1/4 (0.188 mi.)*** ***G38*** ***91***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 12/04/2020
Status: Completed - Case Closed
Facility Id: I-15624
Status: Case Closed
Global Id: T0603704336
Global ID: T0603704336

CPS-SLIC: Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the CPS-SLIC list, as provided by EDR, has revealed that there is 1 CPS-SLIC site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
DANCO ANODIZING DBA	***44 LA PORTE ST***	***NW 1/4 - 1/2 (0.421 mi.)***	***61***	***163***
Database: CPS-SLIC, Date of Government Version: 12/04/2020 Facility Status: Completed - Case Closed Global Id: T10000015968				

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, has revealed that there is 1 UST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
E-Z-HOOK, DIVISION O	225 N 2ND AVE	NW 1/8 - 1/4 (0.201 mi.)	I46	112
Database: UST, Date of Government Version: 12/04/2020				

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

HIST Cal-Sites: Formerly known as ASPIS, this database contains both known and potential hazardous substance sites. The source is the California Department of Toxic Substance Control. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

A review of the HIST Cal-Sites list, as provided by EDR, and dated 08/08/2005 has revealed that there is 1 HIST Cal-Sites site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TROTTER APARTMENTS	*827/829 W OLIVE AVE*	*NE 1/4 - 1/2 (0.457 mi.)*	*M63*	*260*

CERS HAZ WASTE: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

A review of the CERS HAZ WASTE list, as provided by EDR, and dated 10/19/2020 has revealed that there are 4 CERS HAZ WASTE sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
DAN'S AUTO CARE	*134 E WHEELER AVE*	*W 1/8 - 1/4 (0.194 mi.)*	*J40*	*98*
AUTOSQUARE COLLISION	*140 E SAINT JOSEPH S*	*NW 1/8 - 1/4 (0.247 mi.)*	*L55*	*144*
Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
COSMOPROF BEAUTY #88	*332 E HUNTINGTON DR*	*SSW 0 - 1/8 (0.015 mi.)*	*A5*	*13*
SOUTHERN CALIFORNIA	*1218 S 5TH AVE*	*SE 1/8 - 1/4 (0.208 mi.)*	*H49*	*119*

Local Lists of Registered Storage Tanks

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 8 SWEEPS UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CITY OF ARCADIA REDE Status: A Comp Number: 14248	*311 E HUNTINGTON DR*	*NNW 0 - 1/8 (0.030 mi.)*	*A11*	*34*
CITY OF ARCADIA Status: A Comp Number: 12963	*301 E SANTA CLARA ST*	*NNW 0 - 1/8 (0.108 mi.)*	*D24*	*56*
ARCADIA MOTOR SERVIC	*134 WHEELER AVE*	*W 1/8 - 1/4 (0.194 mi.)*	*J41*	*102*

Status: A
Tank Status: A
Comp Number: 14204

WORLD VISION Status: A Comp Number: 14322	840 CHESTNUT ST	ENE 1/8 - 1/4 (0.247 mi.)	58	158

Lower Elevation	Address	Direction / Distance	Map ID	Page
CITY OF ARCADIA REDE Status: A Comp Number: 13998	***313 E HUNTINGTON DR***	***0 - 1/8 (0.001 mi.)***	***A2***	***9***
CITY OF ARCADIA Status: A Tank Status: A Comp Number: 10517	***250 W HUNTINGTON DR***	***SW 0 - 1/8 (0.025 mi.)***	***A10***	***28***
ARCADIA DATSUN Status: A Tank Status: A Comp Number: 10562	***333 E HUNTINGTON DR***	***E 0 - 1/8 (0.072 mi.)***	***B14***	***39***
95098 Status: A Tank Status: A Comp Number: 13503	***854 HUNTINGTON DR***	***E 1/8 - 1/4 (0.216 mi.)***	***K51***	***127***

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 9 HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
KIEWIT PACIFIC Facility Id: 00000050624	301 E SANTA CLARA	NNW 0 - 1/8 (0.108 mi.)	D23	55
ARCADIA YARD Facility Id: 00000005451	301 E SANTA CLARA ST	NNW 0 - 1/8 (0.108 mi.)	D25	58
ARCADIA MOTOR SERVIC Facility Id: 00000066641	134 WHEELER AVE	W 1/8 - 1/4 (0.194 mi.)	J42	103

Lower Elevation	Address	Direction / Distance	Map ID	Page
CITY OF ARCADIA	***250 W HUNTINGTON DR***	***SW 0 - 1/8 (0.025 mi.)***	***A10***	***28***
CLIFFORD C BONG AND	123 N THIRD AVE	SSW 1/8 - 1/4 (0.143 mi.)	F29	64
CLIFFORD C. BONG & C Facility Id: 00000014058	123 S 3RD AVE	SSW 1/8 - 1/4 (0.143 mi.)	F30	65
QUALITY CAR CARE PRO Facility Id: 00000008934	***941 W HUNTINGTON DR***	***E 1/8 - 1/4 (0.159 mi.)***	***G32***	***69***
PHILLIP H SCOTT 14-0 Facility Id: 00000039729	912 W HUNTINGTON	E 1/8 - 1/4 (0.209 mi.)	K50	126
95098	***854 HUNTINGTON DR***	***E 1/8 - 1/4 (0.216 mi.)***	***K51***	***127***

Facility Id: 00000062708

CA FID UST: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there are 2 CA FID UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CITY OF ARCADIA Facility Id: 19027760 Status: A	***301 E SANTA CLARA ST***	***NNW 0 - 1/8 (0.108 mi.)***	***D24***	***56***

Lower Elevation	Address	Direction / Distance	Map ID	Page
CITY OF ARCADIA Facility Id: 19004458 Status: A	***250 W HUNTINGTON DR***	***SW 0 - 1/8 (0.025 mi.)***	***A10***	***28***

CERS TANKS: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

A review of the CERS TANKS list, as provided by EDR, and dated 10/19/2020 has revealed that there are 2 CERS TANKS sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
APW DEVELPMENT COMPA	***225 N 2ND AVE***	***NW 1/8 - 1/4 (0.201 mi.)***	***I47***	***112***

Lower Elevation	Address	Direction / Distance	Map ID	Page
SOUTHERN CALIFORNIA	***1218 S 5TH AVE***	***SE 1/8 - 1/4 (0.208 mi.)***	***H49***	***119***

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 12/14/2020 has revealed that there are 19 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
EXTENDED STAY EPA ID:: CAC002990472	420 E SANTA CLARA ST	N 0 - 1/8 (0.096 mi.)	21	50
KIEWIT ARCADIA YARD EPA ID:: CAD089060149	***301 E SANTA CLARA ST***	***NNW 0 - 1/8 (0.108 mi.)***	***D22***	***52***
VALLEY DIGESTINE HEA	488 E SANTA CLARA ST	NE 0 - 1/8 (0.110 mi.)	E26	59

EPA ID:: CAL000393527				
ZOTOS INTERNATIONAL, EPA ID:: CAC003001478	488 EAST SANTA CLARA	NE 0 - 1/8 (0.110 mi.)	E27	61
TECHNAR INC EPA ID:: CAD047441282	***205 N SECOND ST***	***NW 1/8 - 1/4 (0.164 mi.)***	***I34***	***74***
DANS AUTO CARE EPA ID:: CAL000408327	134 WHEELER AVE	W 1/8 - 1/4 (0.194 mi.)	J43	104
MCPHERSON PRINTING EPA ID:: CAC003009716	135 E. SANTA CLARA S	NW 1/8 - 1/4 (0.204 mi.)	I48	117
AIR LOGISTICS CORP EPA ID:: CAD042246587	***324 N SECOND ST***	***NNW 1/8 - 1/4 (0.238 mi.)***	***53***	***138***
AUTO SQUARE COLLISIO EPA ID:: CAL000282425	140 E SAINT JOSEPH S	NW 1/8 - 1/4 (0.247 mi.)	L56	153
CALIBER COLLISION CE EPA ID:: CAL000412904	140 E SAINT JOSEPH S	NW 1/8 - 1/4 (0.247 mi.)	L57	156

Lower Elevation	Address	Direction / Distance	Map ID	Page
LESLIE'S POOL SUPPLI EPA ID:: CAC002971379	324 E HUNTINGTON DR,	SSW 0 - 1/8 (0.015 mi.)	A4	11
COSMOPROF BEAUTY EPA ID:: CAL000412125	332 E HUNTINGTON DR	SSW 0 - 1/8 (0.015 mi.)	A6	20
ECOLAB INC	233 E. HUNTINGTON DR	WSW 0 - 1/8 (0.017 mi.)	A9	25
AOA CAPITAL LLC EPA ID:: CAC003042605	440 E HUNTINGTON DR	SE 0 - 1/8 (0.045 mi.)	B12	34
DENTAL CENTER OF ARC EPA ID:: CAL000288993	440 E HUNTINGTON DR	SE 0 - 1/8 (0.045 mi.)	B13	37
SALONCENTRIC INC 600 EPA ID:: CAL000394411	411 E HUNTINGTON DR	E 0 - 1/8 (0.091 mi.)	C17	44
BEYOND CARE HOSPICE EPA ID:: CAL000426945	411 E HUNTINGTON DR	E 0 - 1/8 (0.091 mi.)	C19	47
OPTUM EPA ID:: CAL000409233	450 E HUNTINGTON DR	SE 1/8 - 1/4 (0.160 mi.)	H33	71
DK CYCLES INC DBA HE EPA ID:: CAL000364467	142 E HUNTINGTON DR	WSW 1/8 - 1/4 (0.179 mi.)	36	86

FUDS: The Listing includes locations of Formerly Used Defense Sites Properties where the US Army Corps Of Engineers is actively working or will take necessary cleanup actions.

A review of the FUDS list, as provided by EDR, and dated 09/29/2020 has revealed that there is 1 FUDS site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
ROSS FIELD		WSW 1/2 - 1 (0.936 mi.)	N66	273

Cortese: The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

A review of the Cortese list, as provided by EDR, and dated 06/22/2020 has revealed that there are 5 Cortese sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CHEVRON SERVICE STAT	***102 HUNTINGTON DR E***	***W 1/4 - 1/2 (0.254 mi.)***	***59***	***159***
Cleanup Status: OPEN - SITE ASSESSMENT				
CONTAINERIZED CHEMIC	***47 SAINT JOSEPH ST E***	***WNW 1/4 - 1/2 (0.374 mi.)***	***60***	***162***
Cleanup Status: OPEN - SITE ASSESSMENT				

Lower Elevation	Address	Direction / Distance	Map ID	Page
CITY OF ARCADIA	***250 W HUNTINGTON DR***	***SW 0 - 1/8 (0.025 mi.)***	***A10***	***28***
Cleanup Status: COMPLETED - CASE CLOSED				
JUSTICE BROTHERS INC	***941 HUNTINGTON DR W***	***E 1/8 - 1/4 (0.171 mi.)***	***G35***	***83***
Cleanup Status: COMPLETED - CASE CLOSED				
TUNE UP MASTERS SHOP	***915 HUNTINGTON DR E***	***E 1/8 - 1/4 (0.188 mi.)***	***G38***	***91***
Cleanup Status: COMPLETED - CASE CLOSED				

DRYCLEANERS: A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaners' agents; linen supply; coin-operated laundries and cleaning; drycleaning plants except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

A review of the DRYCLEANERS list, as provided by EDR, has revealed that there is 1 DRYCLEANERS site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
SOUTHWEST CLEANERS A	411 E HUNTINGTON DR	E 0 - 1/8 (0.091 mi.)	C16	44
Database: DRYCLEAN SOUTH COAST, Date of Government Version: 11/17/2020				

HAZNET: The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000-1,000,000 annually, representing approximately 350,000-500,000 shipments. Data from non-California manifests & continuation sheets are not included at the present time. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, & disposal method. The source is the Department of Toxic Substance Control is the agency. This database begins with calendar year 1993.

A review of the HAZNET list, as provided by EDR, and dated 12/31/2019 has revealed that there is 1 HAZNET site within approximately 0.001 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
1X CITY OF ARCADIA	***317 E HUNTINGTON DR***	***0 - 1/8 (0.001 mi.)***	***A3***	***10***
GEPAID: CAC000056013				

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 2 HIST CORTESE sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
JUSTICE BROTHERS INC Reg Id: I-15963	***941 HUNTINGTON DR W***	***E 1/8 - 1/4 (0.171 mi.)***	***G35***	***83***
TUNE UP MASTERS SHOP Reg Id: I-15624	***915 HUNTINGTON DR E***	***E 1/8 - 1/4 (0.188 mi.)***	***G38***	***91***

Los Angeles County Industrial Waste and Underground Storage Tank Sites.

A review of the LOS ANGELES CO. HMS list, as provided by EDR, and dated 10/19/2020 has revealed that there is 1 LOS ANGELES CO. HMS site within approximately 0.001 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CITY OF ARCADIA REDE Facility ID: 013602-013998	***313 E HUNTINGTON DR***	***0 - 1/8 (0.001 mi.)***	***A2***	***9***

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 3 EDR Hist Auto sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CARL'S FLYING A SERV	159 E HUNTINGTON DR	W 0 - 1/8 (0.124 mi.)	28	64
Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
LOMBARDO AUTOMOTIVE	334 E HUNTINGTON	SSW 0 - 1/8 (0.015 mi.)	A7	23
WALLICK LEE CHEVRON	415 E HUNTINGTON DR	E 0 - 1/8 (0.092 mi.)	C20	50

EXECUTIVE SUMMARY

EDR Hist Cleaner: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Cleaner list, as provided by EDR, has revealed that there is 1 EDR Hist Cleaner site within approximately 0.125 miles of the target property.

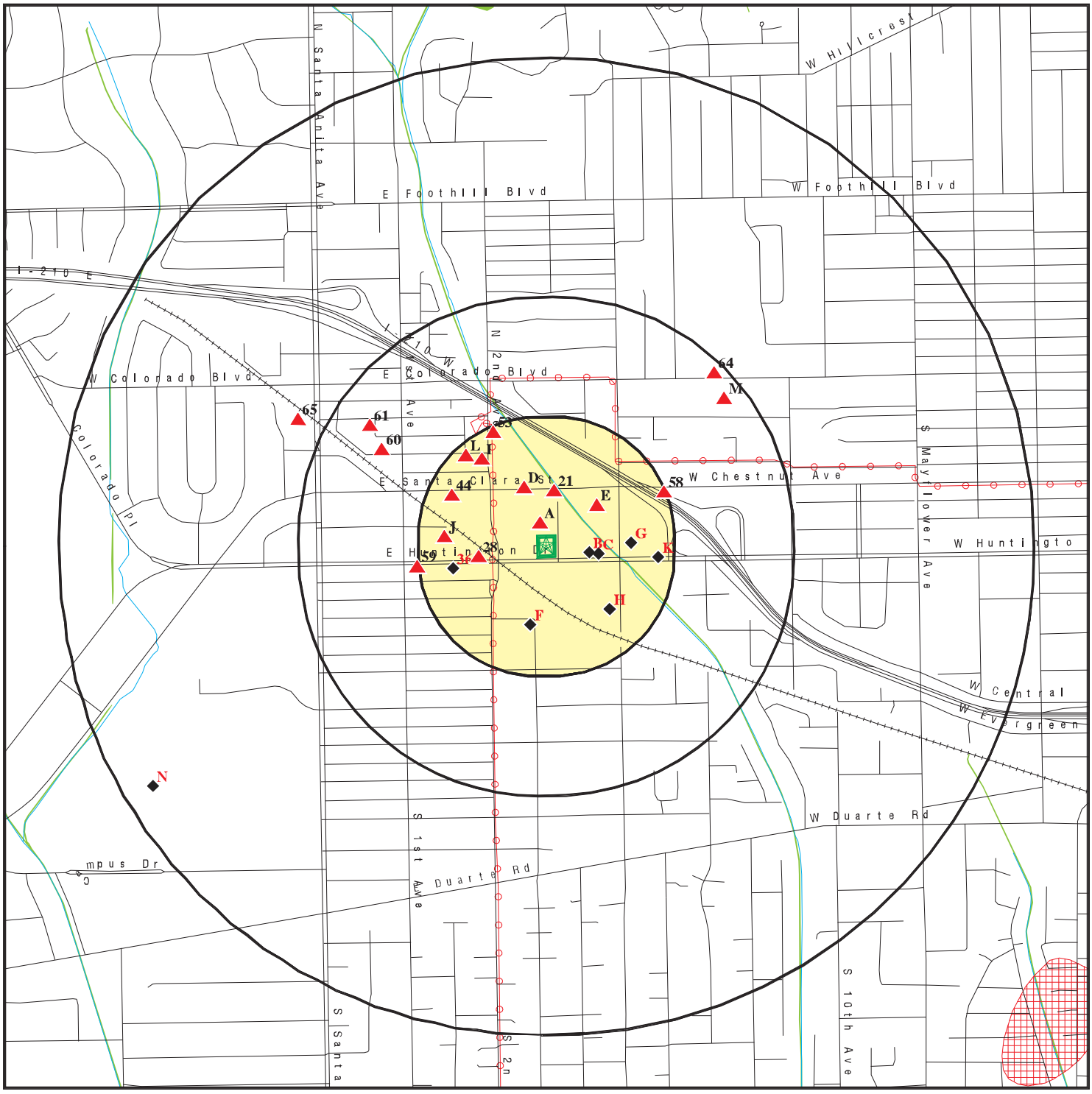
Lower Elevation	Address	Direction / Distance	Map ID	Page
CLASS A COIN LAUNDRY	411 E HUNTINGTON DR	E 0 - 1/8 (0.091 mi.)	C18	47

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 2 records.

Site Name	Database(s)
THE HALE CORPORATION	LUST
ALEXAN MONROVIA	ENVIROSTOR, VCP

OVERVIEW MAP - 6392358.2S



0 1/4 1/2 1 Miles

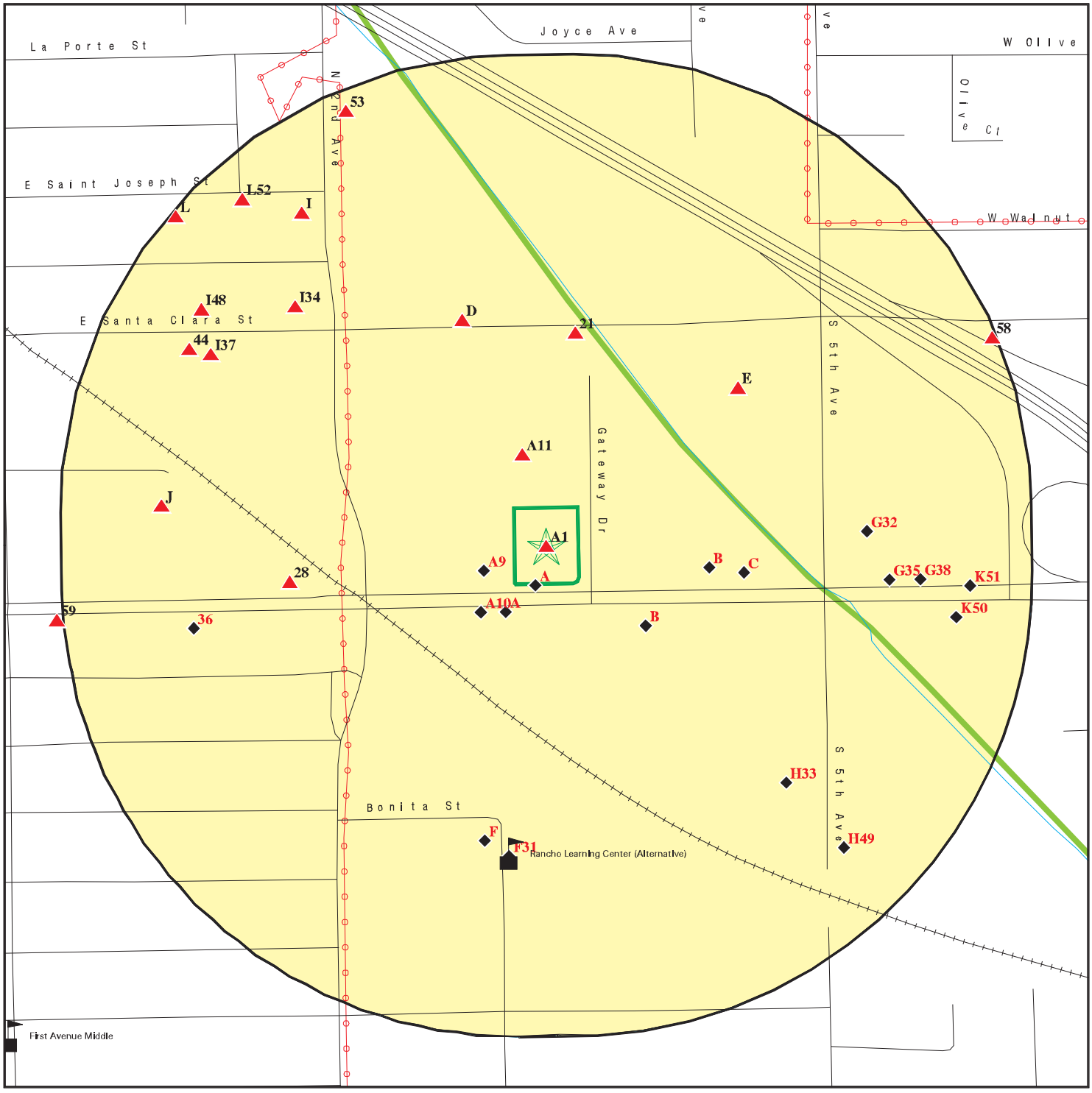
- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Elite Holdings	CLIENT:	Enviroassessors Inc.
ADDRESS:	301 East Huntington Drive Arcadia CA 91006	CONTACT:	Norman Sacro
LAT/LONG:	34.140592 / 118.023167	INQUIRY #:	6392358.2s
		DATE:	March 04, 2021 6:13 pm

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DETAIL MAP - 6392358.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

0 1/16 1/8 1/4 Miles

Indian Reservations BIA

Power transmission lines

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

Areas of Concern

N

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Elite Holdings	CLIENT:	Enviroassessors Inc.
ADDRESS:	301 East Huntington Drive Arcadia CA 91006	CONTACT:	Norman Sacro
LAT/LONG:	34.140592 / 118.023167	INQUIRY #:	6392358.2s
		DATE:	March 04, 2021 6:14 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	1	NR	NR	1
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		1	0	NR	NR	NR	1
RCRA-SQG	0.250		1	7	NR	NR	NR	8
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
RESPONSE	1.000		0	0	1	0	NR	1
State- and tribal - equivalent CERCLIS								
ENVIROSTOR	1.000		0	0	2	2	NR	4
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LUST	0.500		1	2	1	NR	NR	4

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		0	0	1	NR	NR	1
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	1	NR	NR	NR	1
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	0.001		0	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
AOCONCERN	1.000		0	0	0	0	NR	0
HIST Cal-Sites	1.000		0	0	1	0	NR	1
SCH	0.250		0	0	NR	NR	NR	0
CDL	0.001		0	NR	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
CERS HAZ WASTE	0.250		1	3	NR	NR	NR	4
US CDL	0.001		0	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		5	3	NR	NR	NR	8
HIST UST	0.250		3	6	NR	NR	NR	9
CA FID UST	0.250		2	0	NR	NR	NR	2
CERS TANKS	0.250		0	2	NR	NR	NR	2
Local Land Records								
LIENS	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LIENS 2	0.001		0	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0
CHMIRS	0.001		0	NR	NR	NR	NR	0
LDS	0.001		0	NR	NR	NR	NR	0
MCS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		11	8	NR	NR	NR	19
FUDS	1.000		0	0	0	1	NR	1
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		1	2	2	NR	NR	5
CUPA Listings	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
DRYCLEANERS	0.250		1	0	NR	NR	NR	1
EMI	0.001		0	NR	NR	NR	NR	0
ENF	0.001		0	NR	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
HAZNET	0.001		1	NR	NR	NR	NR	1
ICE	0.001		0	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	2	0	NR	NR	2
LOS ANGELES CO. HMS	0.001		1	NR	NR	NR	NR	1
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
PEST LIC	0.001		0	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
LA Co. Site Mitigation	0.001		0	NR	NR	NR	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
UIC GEO	0.001		0	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	0.001		0	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	0.001		0	NR	NR	NR	NR	0
PROJECT	0.001		0	NR	NR	NR	NR	0
WDR	0.001		0	NR	NR	NR	NR	0
CIWQS	0.001		0	NR	NR	NR	NR	0
CERS	0.001		0	NR	NR	NR	NR	0
NON-CASE INFO	0.001		0	NR	NR	NR	NR	0
OTHER OIL GAS	0.001		0	NR	NR	NR	NR	0
PROD WATER PONDS	0.001		0	NR	NR	NR	NR	0
SAMPLING POINT	0.001		0	NR	NR	NR	NR	0
WELL STIM PROJ	0.001		0	NR	NR	NR	NR	0
MINES MRDS	0.001		0	NR	NR	NR	NR	0
HWTS	TP		NR	NR	NR	NR	NR	0
LOS ANGELES CO LF METHANE	0.500		0	0	0	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125	1	3	NR	NR	NR	NR	4
EDR Hist Cleaner	0.125		1	NR	NR	NR	NR	1
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		1	33	36	9	3	0	82

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 **LOWELL & STOUT UNION SERVICE** **EDR Hist Auto** **1008994457**
Target **301 E HUNTINGTON DR** **N/A**
Property **ARCADIA, CA 91006**

Site 1 of 11 in cluster A

Actual: **483 ft.**

EDR Hist Auto

Year:	Name:	Type:
1958	LOWELL & STOUT UNION SERVICE	Not reported
1958	LOWELL & STOUT UNION SERVICE	Not reported
1958	LOWELL & STOUT UNION SERVICE	Not reported
1962	ROYAL UNION SERVICE	Not reported
1962	ROYAL UNION SERVICE	Not reported

A2 **CITY OF ARCADIA REDEVELOPMENT** **SWEEPS UST** **S106671204**
313 E HUNTINGTON DR **LOS ANGELES CO. HMS** **N/A**
< 1/8 **ARCADIA, CA 91006**
0.001 mi.
4 ft. **Site 2 of 11 in cluster A**

Relative: **Lower**

Actual: **480 ft.**

SWEEPS UST:

Name:	CITY OF ARCADIA REDEVELOPMENT
Address:	313 E HUNTINGTON DR
City:	ARCADIA
Status:	Active
Comp Number:	13998
Number:	9
Board Of Equalization:	Not reported
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

LOS ANGELES CO. HMS:

Name:	CITY OF ARCADIA REDEVELOPMENT
Address:	313 E HUNTINGTON DR
City,State,Zip:	ARCADIA, CA 91006
Region:	LA
Permit Category:	T
Facility Id:	013602-013998
Facility Type:	1
Facility Status:	Removed
Area:	3N
Permit Number:	000136055
Permit Status:	Removed

A3 **1X CITY OF ARCADIA** **HAZNET S123705369**
317 E HUNTINGTON DR **HWTS N/A**
< 1/8 **ARCADIA, CA 91006**
0.001 mi.
4 ft. **Site 3 of 11 in cluster A**

Relative:
Lower

Actual:
480 ft.

HAZNET:

Name:	1X CITY OF ARCADIA
Address:	317 E HUNTINGTON DR
Address 2:	Not reported
City,State,Zip:	ARCADIA, CA 910060000
Contact:	SANDRA SMITH
Telephone:	8185745429
Mailing Name:	Not reported
Mailing Address:	240 W HUNTINGTON DR
Year:	1988
Gepaid:	CAC000056013
TSD EPA ID:	CAT080013352
CA Waste Code:	-
Disposal Method:	-
Tons:	2.085
Year:	1988
Gepaid:	CAC000056013
TSD EPA ID:	CAD050806850
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	T01 - Treatment, Tank
Tons:	3.336

HWTS:

Name:	1X CITY OF ARCADIA
Address:	317 E HUNTINGTON DR
Address 2:	Not reported
City,State,Zip:	ARCADIA, CA 910060000
EPA ID:	CAC000056013
Inactive Date:	10/25/2000
Create Date:	12/28/1987
Last Act Date:	10/25/2000
Mailing Name:	Not reported
Mailing Address:	240 W HUNTINGTON DR
Mailing Address 2:	Not reported
Mailing City,State,Zip:	ARCADIA, CA 910060000
Owner Name:	--
Owner Address:	--
Owner Address 2:	Not reported
Owner City,State,Zip:	--, 99 --
Contact Name:	SANDRA SMITH
Contact Address:	--
Contact Address 2:	Not reported
City,State,Zip:	--, 99 --

A4
SSW
< 1/8
0.015 mi.
81 ft.

LESLIE'S POOL SUPPLIES
324 E HUNTINGTON DR, STE.B-4
ARCADIA, CA 91006

Site 4 of 11 in cluster A

RCRA NonGen / NLR **1024751586**
CAC002971379

Relative:
Lower

Actual:
479 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		2018-07-18 00:00:00.0
Handler Name:	LESLIE'S POOL SUPPLIES	
Handler Address:		324 E HUNTINGTON DR, STE.B-4
Handler City,State,Zip:		ARCADIA, CA 91006
EPA ID:		CAC002971379
Contact Name:		MIKE JENNINGS
Contact Address:		2005 E. INDIAN SCHOOL RD.
Contact City,State,Zip:		PHOENIX, AZ 85016
Contact Telephone:		602-366-3946
Contact Fax:		602-366-3921
Contact Email:		KVERNON@EMIOK.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		2005 E. INDIAN SCHOOL RD.
Mailing City,State,Zip:		PHOENIX, AZ 85016
Owner Name:		MIKE JENNINGS
Owner Type:		Other
Operator Name:		MIKE JENNINGS
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

LESLIE'S POOL SUPPLIES (Continued) **1024751586**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-08-31 17:12:13.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	MIKE JENNINGS
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2005 E. INDIAN SCHOOL RD.
Owner/Operator City,State,Zip:	PHOENIX, AZ 85016
Owner/Operator Telephone:	602-366-3946
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	MIKE JENNINGS
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2005 E. INDIAN SCHOOL RD.
Owner/Operator City,State,Zip:	PHOENIX, AZ 85016
Owner/Operator Telephone:	602-366-3946
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

LESLIE'S POOL SUPPLIES (Continued) **1024751586**

Historic Generators:
Receive Date: 2018-07-18 00:00:00.0
Handler Name: LESLIE'S POOL SUPPLIES
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

A5 **COSMOPROF BEAUTY #8817** **CERS HAZ WASTE** **S121020010**
SSW **332 E HUNTINGTON DR # B2** **HAZNET** **N/A**
< 1/8 **ARCADIA, CA 91006** **HWTS**
0.015 mi.
81 ft. **Site 5 of 11 in cluster A**

Relative:
Lower

Actual:
479 ft.

CERS HAZ WASTE:
Name: COSMOPROF #8817
Address: 332 E HUNTINGTON DR # B2
City,State,Zip: ARCADIA, CA 91006
Site ID: 366879
CERS ID: 10666324
CERS Description: Hazardous Waste Generator

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-02-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Natalia Hernandez
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Affiliation:
Affiliation Type Desc: Document Preparer
Entity Name: Karina Romero, Agent for Sally Holdings LLC
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported

COSMOPROF BEAUTY #8817 (Continued) **S121020010**

Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Eric Ensminger, Agent for Sally Holdings LLC
Entity Title:	Regulatory Compliance Specialist, Verisk 3E
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	CUPA District
Entity Name:	Los Angeles County Fire
Entity Title:	Not reported
Affiliation Address:	5825 Rickenbacker Road
Affiliation City:	Commerce
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90040-3027
Affiliation Phone:	(323) 890-4000
Affiliation Type Desc:	Legal Owner
Entity Name:	Sally Holdings LLC
Entity Title:	Not reported
Affiliation Address:	3001 Colorado Blvd.
Affiliation City:	Denton
Affiliation State:	TX
Affiliation Country:	United States
Affiliation Zip:	76210
Affiliation Phone:	(940) 898-7500
Affiliation Type Desc:	Operator
Entity Name:	Beauty Systems Group LLC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(940) 898-7500
Affiliation Type Desc:	Environmental Contact
Entity Name:	DEBBIE MIDDLETON
Entity Title:	Not reported
Affiliation Address:	3001 Colorado Blvd.
Affiliation City:	Denton
Affiliation State:	TX
Affiliation Country:	Not reported
Affiliation Zip:	76210
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported

COSMOPROF BEAUTY #8817 (Continued) **S121020010**

Affiliation Address: 3207 Grey Hawk Ct., Suite 200
Affiliation City: Carlsbad
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92010
Affiliation Phone: Not reported

Affiliation Type Desc: Parent Corporation
Entity Name: Sally Beauty Holding LLC.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Property Owner
Entity Name: JLJ PROPERTIES ARCADIA I LLC c/o UNITED TRUST REALTY
Entity Title: Not reported
Affiliation Address: 3 Pointe Dr, Ste 217
Affiliation City: Brea
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92821
Affiliation Phone: (714) 599-8271

HAZNET:
Name: COSMOPROF BEAUTY
Address: 332 E HUNTINGTON DR # B2
Address 2: Not reported
City,State,Zip: ARCADIA, CA 083500000
Contact: DAVID EPSTEIN
Telephone: 8566928100
Mailing Name: Not reported
Mailing Address: PO BOX 339

Year: 2018
Gepaid: CAL000412125
TSD EPA ID: MXC130619001
CA Waste Code: 352 - Other organic solids
Disposal Method: H050 - Energy Recovery At This Site--Use As Fuel(Includes On-Site Fuel Blending)
Tons: 0.06500

Year: 2018
Gepaid: CAL000412125
TSD EPA ID: MXC130619001
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H020 - Solvents Recovery
Tons: 0.04500

Year: 2018
Gepaid: CAL000412125
TSD EPA ID: MXC130619001
CA Waste Code: 561 - Detergent waste chemicals

COSMOPROF BEAUTY #8817 (Continued) **S121020010**

Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.05500

Year: 2017
Gepaid: CAL000412125
TSD EPA ID: MXC130619001
CA Waste Code: 561 - Detergent waste chemicals
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.075

Year: 2017
Gepaid: CAL000412125
TSD EPA ID: MXC130619001
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H020 - Solvents Recovery
Tons: 0.044

Year: 2017
Gepaid: CAL000412125
TSD EPA ID: MXC130619001
CA Waste Code: 352 - Other organic solids
Disposal Method: H050 - Energy Recovery At This Site--Use As Fuel(Includes On-Site Fuel Blending)
Tons: 0.006

Year: 2016
Gepaid: CAL000412125
TSD EPA ID: MXC130619001
CA Waste Code: 561 - Detergent waste chemicals
Disposal Method: H123 - Settling Or Clarification
Tons: 0.0205

Year: 2016
Gepaid: CAL000412125
TSD EPA ID: MXC130619001
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H020 - Solvents Recovery
Tons: 0.039

Additional Info:
Year: 2017
Gen EPA ID: CAL000412125

Shipment Date: 20170605
Creation Date: 7/30/2018 18:30:16
Receipt Date: 20170615
Manifest ID: 017126515JJK
Trans EPA ID: CAD981377864
Trans Name: IDR ENVIRONMENTAL SERVICES
Trans 2 EPA ID: CAR000163824
Trans 2 Name: TRIMSA USA
TSDF EPA ID: MXC130619001
Trans Name: RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID: Not reported

COSMOPROF BEAUTY #8817 (Continued) **S121020010**

TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D035
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.01
Waste Quantity:	20
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170605
Creation Date:	7/30/2018 18:30:16
Receipt Date:	20170615
Manifest ID:	017126515JJK
Trans EPA ID:	CAD981377864
Trans Name:	IDR ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	CAR000163824
Trans 2 Name:	TRIMSA USA
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	F003
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.0065
Waste Quantity:	13
Quantity Unit:	P
Additional Code 1:	D035
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170605
Creation Date:	7/30/2018 18:30:16
Receipt Date:	20170615
Manifest ID:	017126515JJK
Trans EPA ID:	CAD981377864
Trans Name:	IDR ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	CAR000163824
Trans 2 Name:	TRIMSA USA
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	561 - Not reported
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.03
Waste Quantity:	60
Quantity Unit:	P
Additional Code 1:	Not reported

COSMOPROF BEAUTY #8817 (Continued) **S121020010**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170605
Creation Date:	7/30/2018 18:30:16
Receipt Date:	20170615
Manifest ID:	017126515JJK
Trans EPA ID:	CAD981377864
Trans Name:	IDR ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	CAR000163824
Trans 2 Name:	TRIMSA USA
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H050 - Energy Recovery At This Site--Use As Fuel(Includes On-Site Fuel Blending)
Quantity Tons:	0.006
Waste Quantity:	12
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170104
Creation Date:	5/25/2017 18:30:16
Receipt Date:	20170117
Manifest ID:	016089804JJK
Trans EPA ID:	CAD981377864
Trans Name:	IDR ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	CAR000163824
Trans 2 Name:	TRIMSA USA
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D035
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170104
Creation Date:	5/25/2017 18:30:16
Receipt Date:	20170117

COSMOPROF BEAUTY #8817 (Continued) **S121020010**

Manifest ID:	016089804JJK
Trans EPA ID:	CAD981377864
Trans Name:	IDR ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	CAR000163824
Trans 2 Name:	TRIMSA USA
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	F003
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.0125
Waste Quantity:	25
Quantity Unit:	P
Additional Code 1:	D035
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20170104
Creation Date:	5/25/2017 18:30:16
Receipt Date:	20170117
Manifest ID:	016089804JJK
Trans EPA ID:	CAD981377864
Trans Name:	IDR ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	CAR000163824
Trans 2 Name:	TRIMSA USA
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	561 - Not reported
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.045
Waste Quantity:	90
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	COSMOPROF BEAUTY #8817
Address:	332 E HUNTINGTON DR # B2
Address 2:	Not reported
City,State,Zip:	ARCADIA, CA 910063746
EPA ID:	CAL000412125
Inactive Date:	Not reported
Create Date:	11/04/2015
Last Act Date:	08/17/2020
Mailing Name:	Not reported
Mailing Address:	PO BOX 339

COSMOPROF BEAUTY #8817 (Continued) **S121020010**

Mailing Address 2:	Not reported
Mailing City,State,Zip:	RICHLAND, NJ 083500000
Owner Name:	SALLY BEAUTY HOLDING LLC
Owner Address:	3001 COLORADO BLVD
Owner Address 2:	Not reported
Owner City,State,Zip:	DENTON, TX 76210
Contact Name:	DEBBIE MIDDLETON
Contact Address:	3001 COLORADO BLVD
Contact Address 2:	Not reported
City,State,Zip:	DENTON, TX 762100000

NAICS:

EPA ID:	CAL000412125
Create Date:	2015-11-04 15:42:02.977
NAICS Code:	44612
NAICS Description:	Cosmetics, Beauty Supplies, and Perfume Stores
Issued EPA ID Date:	2015-11-04 15:42:02.97300
Inactive Date:	Not reported
Facility Name:	COSMOPROF BEAUTY #8817
Facility Address:	332 E HUNTINGTON DR # B2
Facility Address 2:	Not reported
Facility City:	ARCADIA
Facility County:	Not reported
Facility State:	CA
Facility Zip:	910063746

A6 **COSMOPROF BEAUTY** **RCRA NonGen / NLR** **1024852834**
SSW **332 E HUNTINGTON DR # B2** **CAL000412125**
< 1/8 **ARCADIA, CA 91006**
0.015 mi.
81 ft. **Site 6 of 11 in cluster A**

Relative: **Lower**

Actual: **479 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		2015-11-04 00:00:00.0
Handler Name:	COSMOPROF BEAUTY	
Handler Address:		332 E HUNTINGTON DR # B2
Handler City,State,Zip:		ARCADIA, CA 91006-3746
EPA ID:		CAL000412125
Contact Name:		RANDY GOSS
Contact Address:		3001 COLORADO BLVD
Contact City,State,Zip:		DENTON, TX 76210
Contact Telephone:		940-898-7500
Contact Fax:		Not reported
Contact Email:		RGOSS@SALLYBEAUTY.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		332 E HUNTINGTON DR # B2
Mailing City,State,Zip:		ARCADIA, CA 91006-3746
Owner Name:		SALLY BEAUTY HOLDING LLC

COSMOPROF BEAUTY (Continued) **1024852834**

Owner Type:	Other
Operator Name:	RANDY GOSS
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-09-06 17:07:06.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No

COSMOPROF BEAUTY (Continued) **1024852834**

Sub-Part P Indicator: No

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: RANDY GOSS
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 3001 COLORADO BLVD
Owner/Operator City,State,Zip: DENTON, TX 76210
Owner/Operator Telephone: 940-898-7500
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: SALLY BEAUTY HOLDING LLC
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 3001 COLORADO BLVD
Owner/Operator City,State,Zip: DENTON, TX 76210
Owner/Operator Telephone: 940-898-7500
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 2015-11-04 00:00:00.0
Handler Name: COSMOPROF BEAUTY
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 44612
NAICS Description: COSMETICS, BEAUTY SUPPLIES, AND PERFUME STORES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

A7 **LOMBARDO AUTOMOTIVE SERVICE** **EDR Hist Auto** **1008995131**
SSW **334 E HUNTINGTON** **N/A**
< 1/8 **ARCADIA, CA 91006**
0.015 mi.
81 ft. **Site 7 of 11 in cluster A**

Relative: EDR Hist Auto
Lower

Actual: Year: Name: Type:
479 ft. 1965 LOMBARDO AUTOMOTIVE SERVICE Not reported

A8 **METHODIST HOSPITAL OF SO CAL** **RCRA-LQG** **1000243319**
SSW **300 HUNTINGTON DR** **CAD981451685**
< 1/8 **ARCADIA, CA 91006**
0.016 mi.
86 ft. **Site 8 of 11 in cluster A**

Relative: RCRA-LQG:
Lower

Actual:
480 ft.

Date Form Received by Agency:	1986-03-10 00:00:00.0
Handler Name:	METHODIST HOSPITAL OF SO CAL
Handler Address:	300 HUNTINGTON DR
Handler City,State,Zip:	ARCADIA, CA 91006
EPA ID:	CAD981451685
Contact Name:	ENVIRONMENTAL MANAGER
Contact Address:	300 HUNTINGTON DR
Contact City,State,Zip:	ARCADIA, CA 91006
Contact Telephone:	818-574-3627
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Other
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	CA
State District:	3
Mailing Address:	300 HUNTINGTON DR
Mailing City,State,Zip:	ARCADIA, CA 91006
Owner Name:	METHODIST HOSPITAL OF SO CAL
Owner Type:	Private
Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported

METHODIST HOSPITAL OF SO CAL (Continued) **1000243319**

Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2002-06-27 03:25:20.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	METHODIST HOSPITAL OF SO CAL
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

METHODIST HOSPITAL OF SO CAL (Continued) **1000243319**

Receive Date:	1986-03-10 00:00:00.0
Handler Name:	METHODIST HOSPITAL OF SO CAL
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

A9 **ECOLAB INC** **RCRA NonGen / NLR** **1026473629**
WSW **233 E. HUNTINGTON DR** **CAC003079302**
< 1/8 **ARCADIA, CA 91006**
0.017 mi.
91 ft. **Site 9 of 11 in cluster A**

Relative: **Lower**
Actual: **481 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	2020-08-13 00:00:00.0
Handler Name:	ECOLAB INC
Handler Address:	233 E. HUNTINGTON DR
Handler City,State,Zip:	ARCADIA, CA 91006
EPA ID:	CAC003079302
Contact Name:	TRACIE MURPHY
Contact Address:	1 ECOLAB PL
Contact City,State,Zip:	ST. PAUL, MN 55102
Contact Telephone:	800-232-6522
Contact Fax:	Not reported
Contact Email:	TMURPHY@SPILLCENTER.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	1 ECOLAB PL
Mailing City,State,Zip:	ST. PAUL, MN 55102
Owner Name:	TRACIE MURPHY
Owner Type:	Other
Operator Name:	TRACIE MURPHY

ECOLAB INC (Continued) **1026473629**

Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2020-08-14 15:10:32.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

ECOLAB INC (Continued) **1026473629**

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	TRACIE MURPHY
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1 ECOLAB PL
Owner/Operator City,State,Zip:	ST. PAUL, MN 55102
Owner/Operator Telephone:	800-232-6522
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	TRACIE MURPHY
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1 ECOLAB PL
Owner/Operator City,State,Zip:	ST. PAUL, MN 55102
Owner/Operator Telephone:	800-232-6522
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2020-08-13 00:00:00.0
Handler Name: ECOLAB INC	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	425110
NAICS Description:	BUSINESS TO BUSINESS ELECTRONIC MARKETS

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

A10
SW
< 1/8
0.025 mi.
130 ft.

Relative:
Lower

Actual:
480 ft.

CITY OF ARCADIA
250 W HUNTINGTON DR
ARCADIA, CA 91007

Site 10 of 11 in cluster A

Database(s): LUST, SWEEPS UST, HIST UST, CA FID UST, Cortese, LOS ANGELES CO. HMS, CERS, HWTS

EDR ID Number: S101583559
EPA ID Number: N/A

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	R-10517	
Status:	Leak being confirmed	
Substance:	1	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		OT
Global ID:	T0603793084	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19000	
Cross Street:	CIVIC CENTER	
Enforcement Type:	Not reported	
Date Leak Discovered:	1/14/1999	
Date Leak First Reported:		8/28/2000
Date Leak Record Entered:	Not reported	
Date Confirmation Began:	1/14/1999	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		8/28/2000
Date the Case was Closed:		Not reported
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	Not reported	
Leak Source:	Tank	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		2100.985311547314945395088 1402
Source of Cleanup Funding:		Tank
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	CITY OF ARCADIA	
RP Address:	240 W. HUNTINGTON DR., ARCADIA, CA 91006	

CITY OF ARCADIA (Continued) **S101583559**

Program: LUST
Lat/Long: 34.131219 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

LUST:
Name: CITY OF ARCADIA
Address: 250 HUNTINGTON DR W
City,State,Zip: ARCADIA, CA 91006
Lead Agency: LOS ANGELES COUNTY
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603793084
Global Id: T0603793084
Latitude: 34.136359
Longitude: -118.039833
Status: Completed - Case Closed
Status Date: 01/31/2002
Case Worker: JOA
RB Case Number: R-10517
Local Agency: LOS ANGELES COUNTY
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Aviation
Site History: Not reported

LUST:
Global Id: T0603793084
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: jawujo@dpw.lacounty.gov
Phone Number: 6264583507

Global Id: T0603793084
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603793084
Action Type: ENFORCEMENT
Date: 01/31/2002
Action: Closure/No Further Action Letter

Global Id: T0603793084

CITY OF ARCADIA (Continued) **S101583559**

Action Type: Other
Date: 01/14/1999
Action: Leak Discovery

Global Id: T0603793084
Action Type: Other
Date: 08/28/2000
Action: Leak Reported

LUST:
Global Id: T0603793084
Status: Open - Case Begin Date
Status Date: 01/14/1999

Global Id: T0603793084
Status: Open - Site Assessment
Status Date: 01/14/1999

Global Id: T0603793084
Status: Completed - Case Closed
Status Date: 01/31/2002

SWEEPS UST:
Name: CITY OF ARCADIA
Address: 250 W HUNTINGTON DR
City: ARCADIA
Status: Active
Comp Number: 10517
Number: 9
Board Of Equalization: 44-008816
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010517-000001
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 3

Name: CITY OF ARCADIA
Address: 250 W HUNTINGTON DR
City: ARCADIA
Status: Active
Comp Number: 10517
Number: 9
Board Of Equalization: 44-008816
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010517-000002

CITY OF ARCADIA (Continued) **S101583559**

Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: CITY OF ARCADIA
Address: 250 W HUNTINGTON DR
City: ARCADIA
Status: Active
Comp Number: 10517
Number: 9
Board Of Equalization: 44-008816
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010517-000003
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

HIST UST:
Name: ARCADIA POLICE DEPARTMENT
Address: 250 W HUNTINGTON DRIVE
City,State,Zip: ARCADIA, CA 91006
File Number: 00026F8C
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00026F8C.pdf
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

Click here for Geo Tracker PDF:

CITY OF ARCADIA (Continued) **S101583559**

CA FID UST:

Facility ID:	19004458
Regulated By:	UTNKA
Regulated ID:	00034049
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	8180000000
Mail To:	Not reported
Mailing Address:	240 W HUNTINGTON DR
Mailing Address 2:	Not reported
Mailing City,St,Zip:	ARCADIA
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

CORTESE:

Name:	CITY OF ARCADIA
Address:	250 HUNTINGTON DR W
City,State,Zip:	ARCADIA, CA 91006
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0603793084
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

LOS ANGELES CO. HMS:

Name:	CITY OF ARCADIA
Address:	250 W HUNTINGTON DR
City,State,Zip:	ARCADIA, CA 910073401
Region:	LA
Permit Category:	T
Facility Id:	010580-010517
Facility Type:	0
Facility Status:	Removed
Area:	3N
Permit Number:	00001982T

CITY OF ARCADIA (Continued) **S101583559**

Permit Status: Removed

CERS:

Name:	CITY OF ARCADIA
Address:	250 HUNTINGTON DR W
City,State,Zip:	ARCADIA, CA 91006
Site ID:	255903
CERS ID:	T0603793084
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	JOHN AWUJO - LOS ANGELES COUNTY
Entity Title:	Not reported
Affiliation Address:	900 S FREMONT AVE
Affiliation City:	ALHAMBRA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	6264583507

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	320 W. 4TH ST., SUITE 200
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

HWTS:

Name:	CITY OF ARCADIA
Address:	250 W HUNTINGTON DR
Address 2:	Not reported
City,State,Zip:	ARCADIA, CA 91007
EPA ID:	CAC002570015
Inactive Date:	06/22/2004
Create Date:	09/12/2003
Last Act Date:	09/12/2003
Mailing Name:	Not reported
Mailing Address:	250 W HUNTINGTON DR
Mailing Address 2:	Not reported
Mailing City,State,Zip:	ARCADIA, CA 91007
Owner Name:	CITY OF ARCADIA
Owner Address:	250 W HUNTINGTON DR
Owner Address 2:	Not reported
Owner City,State,Zip:	ARCADIA, CA 91007
Contact Name:	PETER KEKOMIAN
Contact Address:	250 W HUNTINGTON DR
Contact Address 2:	Not reported
City,State,Zip:	ARCADIA, CA 91007

A11 **CITY OF ARCADIA REDEVELOPMENT** **SWEEPS UST** **S104537292**
NNW **311 E HUNTINGTON DR** **LOS ANGELES CO. HMS** **N/A**
< 1/8 **ARCADIA, CA 91006**
0.030 mi.
156 ft. **Site 11 of 11 in cluster A**

Relative:
Higher

Actual:
486 ft.

SWEEPS UST:

Name:	CITY OF ARCADIA REDEVELOPMENT
Address:	311 E HUNTINGTON DR
City:	ARCADIA
Status:	Active
Comp Number:	14248
Number:	9
Board Of Equalization:	Not reported
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

LOS ANGELES CO. HMS:

Name:	CITY OF ARCADIA REDEVELOPMENT
Address:	311 E HUNTINGTON DR
City,State,Zip:	ARCADIA, CA 91006
Region:	LA
Permit Category:	T
Facility Id:	013809-014248
Facility Type:	1
Facility Status:	Removed
Area:	3N
Permit Number:	000136052
Permit Status:	Removed

B12 **AOA CAPITAL LLC** **RCRA NonGen / NLR** **1025861910**
SE **440 E HUNTINGTON DR** **CAC003042605**
< 1/8 **ARCADIA, CA 91006**
0.045 mi.
238 ft. **Site 1 of 4 in cluster B**

Relative:
Lower

Actual:
475 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		2019-11-11 00:00:00.0
Handler Name:	AOA CAPITAL LLC	
Handler Address:		440 E HUNTINGTON DR
Handler City,State,Zip:		ARCADIA, CA 91006
EPA ID:		CAC003042605
Contact Name:		STEPHEN ENG
Contact Address:		440 E HUNTINGTON DR
Contact City,State,Zip:		ARCADIA, CA 91006
Contact Telephone:		626-353-2384
Contact Fax:		Not reported
Contact Email:		STEPHEN.ENG@CONVOYRE.COM
Contact Title:		Not reported

AOA CAPITAL LLC (Continued) **1025861910**

EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	440 E HUNTINGTON DR
Mailing City,State,Zip:	ARCADIA, CA 91006
Owner Name:	AOA CAPITAL LLC
Owner Type:	Other
Operator Name:	STEPHEN ENG
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported

AOA CAPITAL LLC (Continued) **1025861910**

Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2019-11-22 19:28:39.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	AOA CAPITAL LLC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	440 E HUNTINGTON DR
Owner/Operator City,State,Zip:	ARCADIA, CA 91006
Owner/Operator Telephone:	626-353-2384
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	STEPHEN ENG
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	440 E HUNTINGTON DR
Owner/Operator City,State,Zip:	ARCADIA, CA 91006
Owner/Operator Telephone:	626-353-2384
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2019-11-11 00:00:00.0
Handler Name: AOA CAPITAL LLC	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299

AOA CAPITAL LLC (Continued) **1025861910**

NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

B13 **DENTAL CENTER OF ARCADIA** **RCRA NonGen / NLR** **1024810305**
SE **440 E HUNTINGTON DR STE 101** **CAL000288993**
< 1/8 **ARCADIA, CA 91006**
0.045 mi.
238 ft. **Site 2 of 4 in cluster B**

Relative:
Lower

Actual:
475 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:	2004-12-13 00:00:00.0
Handler Name:	DENTAL CENTER OF ARCADIA
Handler Address:	440 E HUNTINGTON DR STE 101
Handler City,State,Zip:	ARCADIA, CA 91006-0000
EPA ID:	CAL000288993
Contact Name:	MIGUEL REYES
Contact Address:	12121 WILSHIRE BLVD STE 1111
Contact City,State,Zip:	LOS ANGELES, CA 90025
Contact Telephone:	310-820-9933
Contact Fax:	310-820-0177
Contact Email:	MREYES@WESTCOASTDENTAL.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	12121 WILSHIRE BLVD #1111
Mailing City,State,Zip:	LOS ANGELES, CA 90025-0000
Owner Name:	F. MANAVI DDS, INC.
Owner Type:	Other
Operator Name:	MIGUEL REYES
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported

DENTAL CENTER OF ARCADIA (Continued) **1024810305**

Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-09-05 20:26:12.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	F. MANAVI DDS, INC.
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	F. MANAVI DDS, INC.
Owner/Operator City,State,Zip:	ARCADIA, CA 90025-0000
Owner/Operator Telephone:	626-447-5126
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator

DENTAL CENTER OF ARCADIA (Continued) **1024810305**

Owner/Operator Name:	MIGUEL REYES
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12121 WILSHIRE BLVD STE 1111
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90025
Owner/Operator Telephone:	310-820-9933
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2004-12-13 00:00:00.0
Handler Name:	DENTAL CENTER OF ARCADIA
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	62121
NAICS Description:	OFFICES OF DENTISTS

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

B14
East
< 1/8
0.072 mi.
381 ft.

ARCADIA DATSUN **SWEEPS UST** **S102056118**
333 E HUNTINGTON DR **LOS ANGELES CO. HMS** **N/A**
ARCADIA, CA 91006

Site 3 of 4 in cluster B

Relative:
Lower

Actual:
473 ft.

SWEEPS UST:

Name:	ARCADIA DATSUN
Address:	333 E HUNTINGTON DR
City:	ARCADIA
Status:	Not reported
Comp Number:	10562
Number:	Not reported
Board Of Equalization:	44-008927
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-010562-000001
Tank Status:	Not reported

ARCADIA DATSUN (Continued) **S102056118**

Capacity: 2000
Active Date: Not reported
Tank Use: OIL
STG: WASTE
Content: Not reported
Number Of Tanks: 2

Name: ARCADIA DATSUN
Address: 333 E HUNTINGTON DR
City: ARCADIA
Status: Not reported
Comp Number: 10562
Number: Not reported
Board Of Equalization: 44-008927
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010562-000002
Tank Status: Not reported
Capacity: 200
Active Date: Not reported
Tank Use: OIL
STG: WASTE
Content: Not reported
Number Of Tanks: Not reported

Name: ARCADIA DATSUN
Address: 333 E HUNTINGTON DR
City: ARCADIA
Status: Active
Comp Number: 10562
Number: 1
Board Of Equalization: 44-008927
Referral Date: 09-25-89
Action Date: 09-25-89
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010562-000003
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 1

LOS ANGELES CO. HMS:
Name: ARCADIA DATSUN
Address: 333 E HUNTINGTON DR
City,State,Zip: ARCADIA, CA 91006
Region: LA
Permit Category: T
Facility Id: 010624-010562
Facility Type: 0
Facility Status: Removed
Area: 3N

ARCADIA DATSUN (Continued) **S102056118**

Permit Number: 00002031T
Permit Status: Removed

B15 **ARCADIA NISSAN** **RCRA-SQG 1000145512**
East **333 E HUNTINGTON DR** **FINDS CAD981445554**
< 1/8 **ARCADIA, CA 91006** **ECHO**
0.072 mi.
381 ft. **Site 4 of 4 in cluster B**

Relative: **Lower**
Actual: **473 ft.**

RCRA-SQG:

Date Form Received by Agency:		1996-09-01 00:00:00.0
Handler Name:	ARCADIA NISSAN	
Handler Address:		333 E HUNTINGTON DR
Handler City,State,Zip:		ARCADIA, CA 91006
EPA ID:		CAD981445554
Contact Name:		Not reported
Contact Address:		Not reported
Contact City,State,Zip:		Not reported
Contact Telephone:		Not reported
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		CA
State District:		3
Mailing Address:		E HUNTINGTON DR
Mailing City,State,Zip:		ARCADIA, CA 91006
Owner Name:		ROBERT LOW
Owner Type:		Private
Operator Name:		NOT REQUIRED
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No

ARCADIA NISSAN (Continued) **1000145512**

Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2000-09-15 17:29:39.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	Not reported

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NOT REQUIRED
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	ROBERT LOW
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212

ARCADIA NISSAN (Continued) **1000145512**

Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 1996-09-01 00:00:00.0
Handler Name: ARCADIA NISSAN
Federal Waste Generator Description: Small Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110002709481

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000145512
Registry ID: 110002709481
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002709481
Name: ARCADIA NISSAN
Address: 333 E HUNTINGTON DR
City,State,Zip: ARCADIA, CA 91006

C16 **SOUTHWEST CLEANERS AND HAND LAUNDRY** **DRYCLEANERS** **S121700044**
East **411 E HUNTINGTON DR STE 101-A** **N/A**
< 1/8 **ARCADIA, CA 91006**
0.091 mi.
481 ft. **Site 1 of 5 in cluster C**

Relative: DRYCLEAN SOUTH COAST:
Lower

Name:	SOUTHWEST CLEANERS AND HAND LAUNDRY
Address:	411 E HUNTINGTON DR STE 101-A
City,State,Zip:	ARCADIA, CA 91006
Facility ID:	87257
Application Number:	253243
Permit Number:	D40290
Status:	A
Representative Name:	MARIA LUNA
Representative Telephone:	818 4474591
Permit Status:	INACT_NR
BCAT Number:	000234
BCAT Description:	DRY CLEANING EQUIP PERCHLOROETHYLENE
CCAT Number:	04
CCAT Description:	VAPOR RECOVERY UNIT COMPRESS & CONDENSE
UTM East:	405.8999939
UTM North:	3778
Application Date:	07/11/1991
PO Issue Date:	08/05/1991
NAICS Code:	812320
SIC Code:	Not reported

Actual:
470 ft.

C17 **SALONCENTRIC INC 6007** **RCRA NonGen / NLR** **1024843222**
East **411 E HUNTINGTON DR STE 115** **CAL000394411**
< 1/8 **ARCADIA, CA 91006**
0.091 mi.
481 ft. **Site 2 of 5 in cluster C**

Relative: RCRA NonGen / NLR:
Lower

Date Form Received by Agency:		2014-02-26 00:00:00.0
Handler Name:	SALONCENTRIC INC 6007	
Handler Address:		411 E HUNTINGTON DR STE 115
Handler City,State,Zip:		ARCADIA, CA 91006
EPA ID:		CAL000394411
Contact Name:		JUAN CARLOS BOBEA
Contact Address:		28145 W. HARRISON PARKWAY
Contact City,State,Zip:		VALENCIA, CA 91355
Contact Telephone:		661-295-4887
Contact Fax:		661-775-3379
Contact Email:		JBOBEARIVAS@SALONCENTRIC.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		28145 HARRISON PARKWAY
Mailing City,State,Zip:		VALENCIA, CA 91355-4165
Owner Name:		SALONCENTRIC INC
Owner Type:		Other

Actual:
470 ft.

SALONCENTRIC INC 6007 (Continued) **1024843222**

Operator Name:	JUAN CARLOS BOBEA
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-09-06 17:03:58.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

SALONCENTRIC INC 6007 (Continued) **1024843222**

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JUAN CARLOS BOBEA
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	28145 W. HARRISON PARKWAY
Owner/Operator City,State,Zip:	VALENCIA, CA 91355
Owner/Operator Telephone:	661-295-4887
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	SALONCENTRIC INC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	10101 DR MARTIN LUTHER KING ST
Owner/Operator City,State,Zip:	ST. PETERSBURG, FL 33716-0000
Owner/Operator Telephone:	727-369-2623
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2014-02-26 00:00:00.0
Handler Name: SALONCENTRIC INC 6007	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	453998
NAICS Description:	ALL OTHER MISCELLANEOUS STORE RETAILERS (EXCEPT TOBACCO STORES)

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

C18 **CLASS A COIN LAUNDRY** **EDR Hist Cleaner** **1018575228**
East **411 E HUNTINGTON DR A** **N/A**
< 1/8 **ARCADIA, CA 91006**
0.091 mi.
481 ft. **Site 3 of 5 in cluster C**

Relative: EDR Hist Cleaner
Lower

Actual: **470 ft.**

Year:	Name:	Type:
1995	SOUTHWEST CLEANERS	Drycleaning Plants, Except Rugs, NEC
1996	SOUTHWEST CLEANERS	Drycleaning Plants, Except Rugs, NEC
2004	ROYAL DRYCLEANERS	Drycleaning Plants, Except Rugs
2005	ROYAL DRYCLEANERS	Drycleaning Plants, Except Rugs
2006	ROYAL DRY CLEANERS	Drycleaning Plants, Except Rugs
2007	ROYAL DRY CLEANERS	Drycleaning Plants, Except Rugs
2008	ROYAL DRY CLEANERS	Drycleaning Plants, Except Rugs
2009	ROYAL DRY CLEANERS	Drycleaning Plants, Except Rugs
2010	STANLEY STEEMER	Carpet And Upholstery Cleaning On Customer Premises
2010	ROYAL DRY CLEANERS	Drycleaning Plants, Except Rugs
2011	STANLEY STEEMER	Carpet And Upholstery Cleaning On Customer Premises
2011	ROYAL DRY CLEANERS	Drycleaning Plants, Except Rugs
2012	ROYAL DRY CLEANERS	Drycleaning Plants, Except Rugs
2012	STANLEY STEEMER	Carpet And Upholstery Cleaning On Customer Premises
2013	STANLEY STEEMER	Carpet And Upholstery Cleaning On Customer Premises
2013	ROYAL DRY CLEANERS	Drycleaning Plants, Except Rugs
2014	ROYAL DRY CLEANERS	Drycleaning Plants, Except Rugs
2014	STANLEY STEEMER	Carpet And Upholstery Cleaning On Customer Premises

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C19 **BEYOND CARE HOSPICE INC DBA NIGHTINGALE HOSPICE** **RCRA NonGen / NLR** **1024859628**
East **411 E HUNTINGTON DR STE 212** **CAL000426945**
< 1/8 **ARCADIA, CA 91006**
0.091 mi.
481 ft. **Site 4 of 5 in cluster C**

Relative: RCRA NonGen / NLR:
Lower

Actual: **470 ft.**

Date Form Received by Agency:	2017-04-21 00:00:00.0
Handler Name:	BEYOND CARE HOSPICE INC DBA NIGHTINGALE HOSPICE
Handler Address:	411 E HUNTINGTON DR STE 212
Handler City,State,Zip:	ARCADIA, CA 91006
EPA ID:	CAL000426945
Contact Name:	REGINALD LACSON
Contact Address:	411 E HUNTINGTON DR STE 212
Contact City,State,Zip:	ARCADIA, CA 91006
Contact Telephone:	844-452-3109
Contact Fax:	888-978-7609
Contact Email:	NHPC.ARCADIA@GMAIL.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	411 E HUNTINGTON DR STE 212
Mailing City,State,Zip:	ARCADIA, CA 91006
Owner Name:	HIENHOA NGUYEN
Owner Type:	Other

BEYOND CARE HOSPICE INC DBA NIGHTINGALE HOSPICE (Continued) **1024859628**

Operator Name:	REGINALD LACSON
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-11-20 16:31:49.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

BEYOND CARE HOSPICE INC DBA NIGHTINGALE HOSPICE (Continued) **1024859628**

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	HIENHOA NGUYEN
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	411 E HUNTINGTON DR STE 212
Owner/Operator City,State,Zip:	ARCADIA, CA 91006
Owner/Operator Telephone:	844-452-3109
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	REGINALD LACSON
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	411 E HUNTINGTON DR STE 212
Owner/Operator City,State,Zip:	ARCADIA, CA 91006
Owner/Operator Telephone:	844-452-3109
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2017-04-21 00:00:00.0
Handler Name:	BEYOND CARE HOSPICE INC DBA NIGHTINGALE HOSPICE
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	62161
NAICS Description:	HOME HEALTH CARE SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

C20 **WALLICK LEE CHEVRON SERVICE** **EDR Hist Auto** **1008995014**
East **415 E HUNTINGTON DR** **N/A**
< 1/8 **ARCADIA, CA 91006**
0.092 mi.
485 ft. **Site 5 of 5 in cluster C**

Relative: EDR Hist Auto
Lower

Actual: **470 ft.**

Year:	Name:	Type:
1955	WALLICK LEE CHEVRON SERVICE	Not reported
1955	WALLICK LEE CHEVRON SERVICE	Not reported

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21 **EXTENDED STAY** **RCRA NonGen / NLR** **1024770567**
North **420 E SANTA CLARA ST** **CAC002990472**
< 1/8 **ARCADIA, CA 91006**
0.096 mi.
509 ft.

Relative: RCRA NonGen / NLR:
Higher

Actual: **484 ft.**

Date Form Received by Agency:		2018-11-26 00:00:00.0
Handler Name:	EXTENDED STAY	
Handler Address:		420 E SANTA CLARA ST
Handler City,State,Zip:		ARCADIA, CA 91006
EPA ID:		CAC002990472
Contact Name:		JAMES KETTON
Contact Address:		420 E SANTA CLARA ST
Contact City,State,Zip:		ARCADIA, CA 91006
Contact Telephone:		323-496-5299
Contact Fax:		Not reported
Contact Email:		ANGEL.BETANCOURT@SAFETY-KLEEN.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		420 E SANTA CLARA ST
Mailing City,State,Zip:		ARCADIA, CA 91006
Owner Name:		JAMES KETTON
Owner Type:		Other
Operator Name:		JAMES KETTON
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported

EXTENDED STAY (Continued) **1024770567**

Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-12-20 13:51:32.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JAMES KETTON
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	420 E SANTA CLARA ST
Owner/Operator City,State,Zip:	ARCADIA, CA 91006
Owner/Operator Telephone:	323-496-5299
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner

EXTENDED STAY (Continued) **1024770567**

Owner/Operator Name: JAMES KETTON
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 420 E SANTA CLARA ST
Owner/Operator City,State,Zip: ARCADIA, CA 91006
Owner/Operator Telephone: 323-496-5299
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 2018-11-26 00:00:00.0
Handler Name: EXTENDED STAY
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

D22 **KIEWIT ARCADIA YARD** **RCRA NonGen / NLR** **1000455516**
NNW **301 E SANTA CLARA ST** **FINDS** **CAD089060149**
< 1/8 **ARCADIA, CA 91006** **ECHO**
0.108 mi.
569 ft. **Site 1 of 4 in cluster D**

Relative: Higher
Actual: 487 ft.

RCRA NonGen / NLR:
Date Form Received by Agency: 1990-06-27 00:00:00.0
Handler Name: KIEWIT ARCADIA YARD
Handler Address: 301 E SANTA CLARA ST
Handler City,State,Zip: ARCADIA, CA 91006
EPA ID: CAD089060149
Contact Name: ENVIRONMENTAL MANAGER
Contact Address: 301 E SANTA CLARA ST
Contact City,State,Zip: ARCADIA, CA 91006
Contact Telephone: 402-342-2052
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported
EPA Region: 09

KIEWIT ARCADIA YARD (Continued) **1000455516**

Land Type:	Other
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	CA
State District:	3
Mailing Address:	1000 KIEWIT PLAZA
Mailing City,State,Zip:	OMAHA, NE 68131
Owner Name:	ARCADIA REDEVELOPMENT AGENCY
Owner Type:	Private
Operator Name:	NOT REQUIRED
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No

KIEWIT ARCADIA YARD (Continued) **1000455516**

Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2002-06-27 03:21:19.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	Not reported

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	ARCADIA REDEVELOPMENT AGENCY
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NOT REQUIRED
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	1990-06-27 00:00:00.0
Handler Name: KIEWIT ARCADIA YARD	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

KIEWIT ARCADIA YARD (Continued) **1000455516**

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110002662967

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000455516
Registry ID:	110002662967
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002662967
Name:	KIEWIT ARCADIA YARD
Address:	301 E SANTA CLARA ST
City,State,Zip:	ARCADIA, CA 91006

D23 **KIEWIT PACIFIC** **HIST UST** **U001566441**
NNW **301 E SANTA CLARA** **N/A**
< 1/8 **ARCADIA, CA 91006**
0.108 mi.
569 ft. **Site 2 of 4 in cluster D**

Relative: Higher
Actual: 487 ft.

HIST UST:

Name:	KIEWIT PACIFIC
Address:	301 E SANTA CLARA
City,State,Zip:	ARCADIA, CA 91006
File Number:	00027352
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00027352.pdf
Region:	STATE
Facility ID:	00000050624
Facility Type:	Other
Other Type:	CONSTRUCTION
Contact Name:	JERRY KOPP
Telephone:	8184453700
Owner Name:	KIEWIT PACIFIC
Owner Address:	301 E. SANTA CLARA
Owner City,St,Zip:	ARCADIA, CA 91006
Total Tanks:	0004
Tank Num:	001
Container Num:	#1
Year Installed:	1974

KIEWIT PACIFIC (Continued) **U001566441**

Tank Capacity:	00007000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Visual

Tank Num:	002
Container Num:	#2
Year Installed:	1974
Tank Capacity:	00007000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Visual

Tank Num:	003
Container Num:	#3
Year Installed:	1974
Tank Capacity:	00007000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Visual

Tank Num:	004
Container Num:	#4
Year Installed:	1981
Tank Capacity:	00012000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Visual

Click here for Geo Tracker PDF:

D24 **CITY OF ARCADIA** **SWEEPS UST** **S101585703**
NNW **301 E SANTA CLARA ST** **CA FID UST** **N/A**
< 1/8 **ARCADIA, CA 91006** **LOS ANGELES CO. HMS**
0.108 mi. **LA Co. Site Mitigation**
569 ft. **Site 3 of 4 in cluster D**

Relative: **Higher**

Actual: **487 ft.**

SWEEPS UST:

Name:	CITY OF ARCADIA
Address:	301 E SANTA CLARA ST
City:	ARCADIA
Status:	Active
Comp Number:	12963
Number:	9
Board Of Equalization:	Not reported
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported

CITY OF ARCADIA (Continued) **S101585703**

STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

CA FID UST:
Facility ID: 19027760
Regulated By: UTNKA
Regulated ID: 00005451
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 8180000000
Mail To: Not reported
Mailing Address: 301 E SANTA CLARA ST
Mailing Address 2: Not reported
Mailing City,St,Zip: ARCADIA
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

LOS ANGELES CO. HMS:
Name: CITY OF ARCADIA
Address: 301 E SANTA CLARA ST
City,State,Zip: ARCADIA, CA 91006
Region: LA
Permit Category: Not reported
Facility Id: 012768-012963
Facility Type: Not reported
Facility Status: Removed
Area: 3N
Permit Number: Not reported
Permit Status: Not reported

LA Co. Site Mitigation:
Name: KIEWIT CONSTRUCTION GROUP
Address: 301 E SANTA CLARA ST
City,State,Zip: ARCADIA, CA 91006
Facility ID: Not reported
Status: Not reported
Site ID: SD0010249
Jurisdiction: Not reported
Case ID: RO0000457
Abated: Yes
Assigned To: Shahin Nourishad
Entered Date: Not reported
Abated Date: 07/10/1988

Name: CITY OF ARCADIA / BONG PROP.
Address: 301 E SANTA CLARA ST
City,State,Zip: ARCADIA, CA 91006
Facility ID: Not reported
Status: Not reported
Site ID: SD0010155

CITY OF ARCADIA (Continued) **S101585703**

Jurisdiction: Not reported
Case ID: RO0000377
Abated: Yes
Assigned To: TK
Entered Date: Not reported
Abated Date: 07/01/1988

D25 **ARCADIA YARD** **HIST UST** **U001566428**
NNW **301 E SANTA CLARA ST** **N/A**
< 1/8 **ARCADIA, CA 91006**
0.108 mi.
569 ft. **Site 4 of 4 in cluster D**

Relative:
Higher

Actual:
487 ft.

HIST UST:

Name:	ARCADIA YARD
Address:	301 E SANTA CLARA ST
City,State,Zip:	ARCADIA, CA 91006
File Number:	00027354
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00027354.pdf
Region:	STATE
Facility ID:	00000005451
Facility Type:	Other
Other Type:	GAS&DIESEL STORAGE T
Contact Name:	JERRY KOPP
Telephone:	8184453700
Owner Name:	KIEWIT PACIFIC CO. (CORPORATIO
Owner Address:	301 E. SANTA CLARA ST
Owner City,St,Zip:	ARCADIA, CA 91006
Total Tanks:	0004
Tank Num:	001
Container Num:	1
Year Installed:	1979
Tank Capacity:	00007000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	3/8"
Leak Detection:	Visual
Tank Num:	002
Container Num:	2
Year Installed:	1979
Tank Capacity:	00007000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	3/8"?
Leak Detection:	Visual
Tank Num:	003
Container Num:	3
Year Installed:	1979
Tank Capacity:	00007000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	3/8"?
Leak Detection:	Visual
Tank Num:	004

ARCADIA YARD (Continued) **U001566428**

Container Num:	4
Year Installed:	1979
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	3/8"?
Leak Detection:	Visual

Click here for Geo Tracker PDF:

E26
NE
< 1/8
0.110 mi.
583 ft.

VALLEY DIGESTINE HEALTH CENTER ARCADIA ENDOSCOPY A **RCRA NonGen / NLR** **1024842803**
488 E SANTA CLARA ST STE 102 **CAL000393527**
ARCADIA, CA 91006

Site 1 of 2 in cluster E

Relative:
Higher

Actual:
485 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:	2014-01-24 00:00:00.0
Handler Name:	VALLEY DIGESTINE HEALTH CENTER ARCADIA ENDOSCOPY ASC LP
Handler Address:	488 E SANTA CLARA ST STE 102
Handler City,State,Zip:	ARCADIA, CA 91006
EPA ID:	CAL000393527
Contact Name:	LINDA PETERS
Contact Address:	488 E SANTA CLARA ST STE 102
Contact City,State,Zip:	ARCADIA, CA 91006
Contact Telephone:	626-359-9555
Contact Fax:	626-359-9556
Contact Email:	LINDA.PETERS@AMSURG.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	488 E SANTA CLARA ST
Mailing City,State,Zip:	ARCADIA, CA 91006-0000
Owner Name:	ARCADIA ENDOSCOPY ASC LP
Owner Type:	Other
Operator Name:	LINDA PETERS
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported

VALLEY DIGESTINE HEALTH CENTER ARCADIA ENDOSCOPY ASC LP (Continued) **1024842803**

Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-09-06 17:03:50.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	LINDA PETERS
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	488 E SANTA CLARA ST STE 102
Owner/Operator City,State,Zip:	ARCADIA, CA 91006
Owner/Operator Telephone:	626-359-9555
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner

VALLEY DIGESTINE HEALTH CENTER ARCADIA ENDOSCOPY ASC LP (Continued) **1024842803**

Owner/Operator Name:	ARCADIA ENDOSCOPY ASC LP
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	488 E SANTA CLARA ST STE 102
Owner/Operator City,State,Zip:	ARCADIA, CA 91006-0000
Owner/Operator Telephone:	626-359-9555
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2014-01-24 00:00:00.0
Handler Name:	VALLEY DIGESTINE HEALTH CENTER ARCADIA ENDOSCOPY ASC LP
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

E27 **ZOTOS INTERNATIONAL, INC.** **RCRA NonGen / NLR** **1024781510**
NE **488 EAST SANTA CLARA STREET** **CAC003001478**
< 1/8 **ARCADIA, CA 91006**
0.110 mi.
583 ft. **Site 2 of 2 in cluster E**

Relative:
Higher

Actual:
485 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:	2019-02-15 00:00:00.0
Handler Name:	ZOTOS INTERNATIONAL, INC.
Handler Address:	488 EAST SANTA CLARA STREET
Handler City,State,Zip:	ARCADIA, CA 91006
EPA ID:	CAC003001478
Contact Name:	ESTHER GARCIA
Contact Address:	4616 CLOUD AVENUE
Contact City,State,Zip:	LA CRESCENTA, CA 91214
Contact Telephone:	626-818-2441
Contact Fax:	Not reported
Contact Email:	EPA4HAZ@GMAIL.COM
Contact Title:	Not reported
EPA Region:	09

ZOTOS INTERNATIONAL, INC. (Continued) **1024781510**

Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	488 EAST SANTA CLARA STREET
Mailing City,State,Zip:	ARCADIA, CA 91006
Owner Name:	ESTHER GARCIA
Owner Type:	Other
Operator Name:	ESTHER GARCIA
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No

ZOTOS INTERNATIONAL, INC. (Continued) **1024781510**

Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2019-02-22 19:41:42.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	ESTHER GARCIA
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	4616 CLOUD AVENUE
Owner/Operator City,State,Zip:	LA CRESCENTA, CA 91214
Owner/Operator Telephone:	626-818-2441
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	ESTHER GARCIA
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	488 EAST SANTA CLARA STREET
Owner/Operator City,State,Zip:	ARCADIA, CA 91006
Owner/Operator Telephone:	626-818-2441
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2019-02-15 00:00:00.0
Handler Name:	ZOTOS INTERNATIONAL, INC.
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

ZOTOS INTERNATIONAL, INC. (Continued) **1024781510**

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

28
West
< 1/8
0.124 mi.
656 ft.

CARL'S FLYING A SERVICE **EDR Hist Auto** **1008994454**
159 E HUNTINGTON DR **N/A**
ARCADIA, CA 91006

Relative:
Higher

Actual:
483 ft.

EDR Hist Auto

Year:	Name:	Type:
1955	BERT'S ASSOCIATES SERVICE	Not reported
1958	HERN'S FLYING A SERVICE	Not reported
1959	E & E FLYING A SERVICE	Not reported
1960	E & E FLYING A SERVICE	Not reported
1962	KING'S FLYING A SERVICE	Not reported
1962	KING'S FLYING A SERVICE	Not reported
1964	CARL'S FLYING A SERVICE	Not reported

F29
SSW
1/8-1/4
0.143 mi.
753 ft.

CLIFFORD C BONG AND CO **HIST UST** **S118408766**
123 N THIRD AVE **N/A**
ARCADIA, CA 91006

Site 1 of 3 in cluster F

Relative:
Lower

Actual:
477 ft.

HIST UST:

Name:	CLIFFORD C BONG AND CO
Address:	123 N THIRD AVE
City,State,Zip:	ARCADIA, CA 91006
File Number:	000272C6
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000272C6.pdf
Region:	Not reported
Facility ID:	Not reported
Facility Type:	Not reported
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Total Tanks:	Not reported
Tank Num:	Not reported
Container Num:	Not reported
Year Installed:	Not reported
Tank Capacity:	Not reported
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported

CLIFFORD C BONG AND CO (Continued) **S118408766**

Click here for Geo Tracker PDF:

F30
SSW
1/8-1/4
0.143 mi.
753 ft.

CLIFFORD C. BONG & CO.
123 S 3RD AVE
ARCADIA, CA 91006

Site 2 of 3 in cluster F

HIST UST **U001566433**
N/A

Relative:
Lower

Actual:
477 ft.

HIST UST:

Name:	CLIFFORD C. BONG & CO.
Address:	123 S 3RD AVE
City,State,Zip:	ARCADIA, CA 91006
File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000014058
Facility Type:	Other
Other Type:	STORAGE YARD
Contact Name:	HOWARD BONG
Telephone:	8184474411
Owner Name:	CLIFFORD C. BONG & CO.
Owner Address:	123 N. THIRD AVE.
Owner City,St,Zip:	ARCADIA, CA 91006
Total Tanks:	0003
Tank Num:	001
Container Num:	NO 01
Year Installed:	Not reported
Tank Capacity:	00001800
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	8
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	NO 02
Year Installed:	Not reported
Tank Capacity:	00001000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	8
Leak Detection:	Stock Inventor
Tank Num:	003
Container Num:	NO 03
Year Installed:	Not reported
Tank Capacity:	00001000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	8
Leak Detection:	Stock Inventor

F31 **ARCADIA USD HUNTINGTON HS** **RCRA-SQG** **1000145514**
South **150 S 3RD AVE** **FINDS** **CAD981667744**
1/8-1/4 **ARCADIA, CA 91006** **ECHO**
0.150 mi.
792 ft. **Site 3 of 3 in cluster F**

Relative: **Lower**
Actual: **477 ft.**

RCRA-SQG:

Date Form Received by Agency:	1996-09-01 00:00:00.0
Handler Name:	ARCADIA USD HUNTINGTON HS
Handler Address:	150 S 3RD AVE
Handler City,State,Zip:	ARCADIA, CA 91006
EPA ID:	CAD981667744
Contact Name:	Not reported
Contact Address:	Not reported
Contact City,State,Zip:	Not reported
Contact Telephone:	Not reported
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	CA
State District:	3
Mailing Address:	234 CAMPUS DR
Mailing City,State,Zip:	ARCADIA, CA 91006
Owner Name:	Not reported
Owner Type:	Not reported
Operator Name:	NOT REQUIRED
Operator Type:	District
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported

ARCADIA USD HUNTINGTON HS (Continued) **1000145514**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2002-06-27 03:28:38.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	Not reported

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	ARCADIA USD
Legal Status:	District
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NOT REQUIRED
Legal Status:	District
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

ARCADIA USD HUNTINGTON HS (Continued) **1000145514**

Historic Generators:

Receive Date:	1996-09-01 00:00:00.0
Handler Name:	ARCADIA USD HUNTINGTON HS
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	1986-10-20 00:00:00.0
Handler Name:	ARCADIA USD HUNTINGTON HS
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110002743336

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000145514
Registry ID: 110002743336

ARCADIA USD HUNTINGTON HS (Continued) **1000145514**

DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002743336
Name: ARCADIA USD HUNTINGTON HS
Address: 150 S 3RD AVE
City,State,Zip: ARCADIA, CA 91006

G32 **QUALITY CAR CARE PRODUCTS INC** **HIST UST** **U001566552**
East **941 W HUNTINGTON DR** **EMI** **N/A**
1/8-1/4 **MONROVIA, CA 91016**
0.159 mi.
841 ft. **Site 1 of 3 in cluster G**

Relative: HIST UST:
Lower
Name: QUALITY CAR CARE PRODUCTS INC
Actual: Address: 941 W HUNTINGTON DR
475 ft. City,State,Zip: MONROVIA, CA 91016
File Number: 00027E4F
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00027E4F.pdf
Region: STATE
Facility ID: 00000008934
Facility Type: Other
Other Type: CAR CARE CHEMICALS M
Contact Name: BILL HOLLINGSWORTH
Telephone: 8183576002
Owner Name: QUALITY CAR CARE PRODUCTS INC.
Owner Address: 941 W. HUNTINGTON DR.
Owner City,St,Zip: MONROVIA, CA 91016
Total Tanks: 0005

Tank Num: 001
Container Num: 01
Year Installed: 1969
Tank Capacity: 00003000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 3/16
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 02
Year Installed: 1969
Tank Capacity: 00005000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 1/4
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 03
Year Installed: 1971
Tank Capacity: 00009940
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: 1/4
Leak Detection: Stock Inventor

Tank Num: 004
Container Num: 04
Year Installed: 1971

QUALITY CAR CARE PRODUCTS INC (Continued) **U001566552**

Tank Capacity:	00009940
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	1/4
Leak Detection:	Stock Inventor

Tank Num:	005
Container Num:	05
Year Installed:	1973
Tank Capacity:	00002000
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	3/16
Leak Detection:	None

Click here for Geo Tracker PDF:

EMI:

Name:	QUALITY CAR CARE, INC.
Address:	941 W HUNTINGTON DR
City,State,Zip:	MONROVIA, CA 91016
Year:	1987
County Code:	19
Air Basin:	SC
Facility ID:	12088
Air District Name:	SC
SIC Code:	7542
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	QUALITY CAR CARE, INC.
Address:	941 W HUNTINGTON DR
City,State,Zip:	MONROVIA, CA 91016
Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	12088
Air District Name:	SC
SIC Code:	7542
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	19
Reactive Organic Gases Tons/Yr:	16
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

H33 **OPTUM** **RCRA NonGen / NLR** **1024851077**
SE **450 E HUNTINGTON DR** **CAL000409233**
1/8-1/4 **ARCADIA, CA 91006**
0.160 mi.
845 ft. **Site 1 of 2 in cluster H**

Relative: **Lower**

Actual: **475 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		2020-07-20 00:00:00.0
Handler Name:	OPTUM	
Handler Address:		450 E HUNTINGTON DR
Handler City,State,Zip:		ARCADIA, CA 91006
EPA ID:		CAL000409233
Contact Name:		ANNA NOVELLI
Contact Address:		S EASTERN 5TH FL
Contact City,State,Zip:		COMMERCE, CA 90040
Contact Telephone:		323-914-5460
Contact Fax:		Not reported
Contact Email:		ANNA.NOVELLI@OPTUM.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Private
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		PARK PL
Mailing City,State,Zip:		EL SEGUNDO, CA 90245-0000
Owner Name:		Not reported
Owner Type:		Not reported
Operator Name:		OPTUMCARE MANAGEMENT LLC
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

OPTUM (Continued) **1024851077**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2020-07-22 19:12:38.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	LUIS DIAZ
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2175 PARK PLACE
Owner/Operator City,State,Zip:	EL SEGUNDO, CA 90245-0000
Owner/Operator Telephone:	310-354-4289
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	HEALTHCARE PARTNERS LLC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2175 PARK PLACE
Owner/Operator City,State,Zip:	EL SEGUNDO, CA 90245-0000
Owner/Operator Telephone:	310-354-4289
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

OPTUM (Continued) **1024851077**

Owner/Operator Indicator:	Operator
Owner/Operator Name:	OPTUMCARE MANAGEMENT LLC
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	717 17TH ST STE 2600
Owner/Operator City,State,Zip:	DENVER, CO 80202
Owner/Operator Telephone:	833-710-2782
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2015-08-12 00:00:00.0
Handler Name: HEALTHCARE PARTNERS	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	2020-07-20 00:00:00.0
Handler Name: OPTUM	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Code:	621111
NAICS Description:	OFFICES OF PHYSICIANS (EXCEPT MENTAL HEALTH SPECIALISTS)
NAICS Code:	621493
NAICS Description:	FREESTANDING AMBULATORY SURGICAL AND EMERGENCY CENTERS

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

I34 **TECHNAR INC** **RCRA NonGen / NLR** **1000242919**
NW **205 N SECOND ST** **HAZNET** **CAD047441282**
1/8-1/4 **ARCADIA, CA 91006** **HWTS**
0.164 mi.
868 ft. **Site 1 of 6 in cluster I**

Relative: **Higher**
Actual: **489 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		1996-10-02 00:00:00.0
Handler Name:	TECHNAR INC	
Handler Address:		205 N SECOND ST
Handler City,State,Zip:		ARCADIA, CA 91006
EPA ID:		CAD047441282
Contact Name:		JEFFREY HOHMAN
Contact Address:		902 S SECOND ST
Contact City,State,Zip:		MARSHALL, IL 92441
Contact Telephone:		217-826-2311
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Other
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		CA
State District:		3
Mailing Address:		205 N SECOND ST
Mailing City,State,Zip:		ARCADIA, CA 91006
Owner Name:		TECHNAR INC.
Owner Type:		Private
Operator Name:		Not reported
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

TECHNAR INC (Continued) **1000242919**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2002-06-27 03:20:52.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	Not reported

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	TECHNAR INC.
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NOT REQUIRED
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

TECHNAR INC (Continued) **1000242919**

Historic Generators:

Receive Date:		1996-09-01 00:00:00.0
Handler Name:	TECHNAR INC	
Federal Waste Generator Description:		Large Quantity Generator
State District Owner:		CA
Large Quantity Handler of Universal Waste:		No
Recognized Trader Importer:		No
Recognized Trader Exporter:		No
Spent Lead Acid Battery Importer:		No
Spent Lead Acid Battery Exporter:		No
Current Record:		No
Non Storage Recycler Activity:		Not reported
Electronic Manifest Broker:		Not reported

Receive Date:		1996-10-02 00:00:00.0
Handler Name:	TECHNAR INC	
Federal Waste Generator Description:		Not a generator, verified
State District Owner:		CA
Large Quantity Handler of Universal Waste:		No
Recognized Trader Importer:		No
Recognized Trader Exporter:		No
Spent Lead Acid Battery Importer:		No
Spent Lead Acid Battery Exporter:		No
Current Record:		Yes
Non Storage Recycler Activity:		Not reported
Electronic Manifest Broker:		Not reported

Receive Date:		1992-02-29 00:00:00.0
Handler Name:	TECHNAR INC	
Federal Waste Generator Description:		Large Quantity Generator
State District Owner:		Not reported
Large Quantity Handler of Universal Waste:		No
Recognized Trader Importer:		No
Recognized Trader Exporter:		No
Spent Lead Acid Battery Importer:		No
Spent Lead Acid Battery Exporter:		No
Current Record:		No
Non Storage Recycler Activity:		Not reported
Electronic Manifest Broker:		Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	334419
NAICS Description:	OTHER ELECTRONIC COMPONENT MANUFACTURING

NAICS Code:	334519
NAICS Description:	OTHER MEASURING AND CONTROLLING DEVICE MANUFACTURING

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

TECHNAR INC (Continued) **1000242919**

HAZNET:

Name:	TECHNAR INC
Address:	205 N SECOND ST
Address 2:	Not reported
City,State,Zip:	ARCADIA, CA 910060000
Contact:	--
Telephone:	--
Mailing Name:	Not reported
Mailing Address:	5462 N IRWINDALE AVE
Year:	1993
Gepaid:	CAD047441282
TSD EPA ID:	CAD050806850
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	H01 - Transfer Station
Tons:	0.2
Year:	1993
Gepaid:	CAD047441282
TSD EPA ID:	CAD050806850
CA Waste Code:	211 - Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method:	H01 - Transfer Station
Tons:	0.5
Year:	1993
Gepaid:	CAD047441282
TSD EPA ID:	CAD050806850
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	T01 - Treatment, Tank
Tons:	2.8
Year:	1993
Gepaid:	CAD047441282
TSD EPA ID:	CAD050806850
CA Waste Code:	122 - Alkaline solution without metals pH >= 12.5
Disposal Method:	T01 - Treatment, Tank
Tons:	0.6
Year:	1993
Gepaid:	CAD047441282
TSD EPA ID:	CAD981458466
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	R01 - Recycler
Tons:	2.1
Year:	1993
Gepaid:	CAD047441282
TSD EPA ID:	CAD008488025
CA Waste Code:	792 - Liquids with pH <= 2 with metals
Disposal Method:	R01 - Recycler
Tons:	1.6054
Year:	1993
Gepaid:	CAD047441282

TECHNAR INC (Continued) **1000242919**

TSD EPA ID:	CAD008364432
CA Waste Code:	211 - Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method:	R01 - Recycler
Tons:	0.417
Year:	1993
Gepaid:	CAD047441282
TSD EPA ID:	CAT000646117
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	D80 - Disposal, Land Fill
Tons:	3.3712
Year:	1993
Gepaid:	CAD047441282
TSD EPA ID:	CAD008364432
CA Waste Code:	214 - Unspecified solvent mixture
Disposal Method:	R01 - Recycler
Tons:	0.324
Year:	1992
Gepaid:	CAD047441282
TSD EPA ID:	CAD000088252
CA Waste Code:	741 - Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method:	-
Tons:	0.2085

Click this hyperlink while viewing on your computer to access
73 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year:	1993
Gen EPA ID:	CAD047441282
Shipment Date:	19931005
Creation Date:	9/12/1995 0:00:00
Receipt Date:	19931005
Manifest ID:	93148649
Trans EPA ID:	ILD099202681
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	3.3712
Waste Quantity:	4
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

TECHNAR INC (Continued) **1000242919**

Additional Code 5:	Not reported
Shipment Date:	19930921
Creation Date:	9/13/1995 0:00:00
Receipt Date:	19930928
Manifest ID:	93145046
Trans EPA ID:	DED980918858
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.6
Waste Quantity:	1200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930921
Creation Date:	9/13/1995 0:00:00
Receipt Date:	19930928
Manifest ID:	93145046
Trans EPA ID:	DED980918858
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930921
Creation Date:	9/13/1995 0:00:00
Receipt Date:	19930928
Manifest ID:	93145046
Trans EPA ID:	DED980918858
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported

TECHNAR INC (Continued) **1000242919**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930921
Creation Date:	9/13/1995 0:00:00
Receipt Date:	19930928
Manifest ID:	93145046
Trans EPA ID:	DED980918858
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	2.8
Waste Quantity:	5600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930722
Creation Date:	9/11/1995 0:00:00
Receipt Date:	19930729
Manifest ID:	92501809
Trans EPA ID:	DED980918858
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F001
Meth Code:	H01 - Transfer Station

TECHNAR INC (Continued) **1000242919**

Quantity Tons:	0.5
Waste Quantity:	1000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930519
Creation Date:	9/9/1995 0:00:00
Receipt Date:	19930519
Manifest ID:	92656815
Trans EPA ID:	CAD008364432
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008364432
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	F001
Meth Code:	R01 - Recycler
Quantity Tons:	0.324
Waste Quantity:	90
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930317
Creation Date:	9/1/1995 0:00:00
Receipt Date:	19930317
Manifest ID:	92235762
Trans EPA ID:	CAD008364432
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F001
Meth Code:	R01 - Recycler
Quantity Tons:	0.417
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

TECHNAR INC (Continued) **1000242919**

Shipment Date:	19930310
Creation Date:	9/1/1995 0:00:00
Receipt Date:	19930310
Manifest ID:	92428314
Trans EPA ID:	CAD000628636
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981458466
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD981458466
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	2.1
Waste Quantity:	500
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19930211
Creation Date:	9/6/1995 0:00:00
Receipt Date:	19930211
Manifest ID:	91556184
Trans EPA ID:	CAD008488025
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008488025
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008488025
TSDF Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D002
Meth Code:	R01 - Recycler
Quantity Tons:	1.6054
Waste Quantity:	385
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	TECHNAR INC
Address:	205 N SECOND ST
Address 2:	Not reported
City,State,Zip:	ARCADIA, CA 910060000
EPA ID:	CAD047441282
Inactive Date:	04/15/1994
Create Date:	07/23/1982
Last Act Date:	08/10/2004

TECHNAR INC (Continued) **1000242919**

Mailing Name:	Not reported
Mailing Address:	5462 N IRWINDALE AVE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	IRWINDALE, CA 917060000
Owner Name:	TRW INCORPORATED
Owner Address:	1900 RICHMOND RD
Owner Address 2:	Not reported
Owner City,State,Zip:	CLEVELAND, OH 441243760
Contact Name:	--
Contact Address:	--
Contact Address 2:	Not reported
City,State,Zip:	--, 99 --

G35 **JUSTICE BROTHERS INC.** **LUST** **S100942996**
East **941 HUNTINGTON DR W** **Cortese** **N/A**
1/8-1/4 **MONROVIA, CA 91016** **HIST CORTESE**
0.171 mi. **LOS ANGELES CO. HMS**
905 ft. **Site 2 of 3 in cluster G** **CERS**

Relative: **Lower**

Actual: **468 ft.**

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	I-15963	
Status:	Case Closed	
Substance:	Solvents	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Groundwater	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603704373	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19000	
Cross Street:	Not reported	
Enforcement Type:	Not reported	
Date Leak Discovered:	Not reported	
Date Leak First Reported:		12/16/1992
Date Leak Record Entered:	12/21/1992	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		2/1/1993
Date the Case was Closed:		6/16/1993
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		1469.6200004057289701257976 66
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		12/16/1992
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported

JUSTICE BROTHERS INC. (Continued) **S100942996**

Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: BLANK RP
RP Address: Not reported
Program: LUST
Lat/Long: 34.1402159 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

LUST:
Name: JUSTICE BROTHERS INC.
Address: 941 HUNTINGTON DR W
City,State,Zip: MONROVIA, CA 91016
Lead Agency: LOS ANGELES COUNTY
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603704373
Global Id: T0603704373
Latitude: 34.140482
Longitude: -118.020153
Status: Completed - Case Closed
Status Date: 06/16/1993
Case Worker: JOA
RB Case Number: I-15963
Local Agency: LOS ANGELES COUNTY
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: * Solvents
Site History: Not reported

LUST:
Global Id: T0603704373
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: jawujo@dpw.lacounty.gov
Phone Number: 6264583507

Global Id: T0603704373
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200

JUSTICE BROTHERS INC. (Continued) **S100942996**

City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603704373
Action Type: Other
Date: 12/16/1992
Action: Leak Reported

LUST:
Global Id: T0603704373
Status: Open - Case Begin Date
Status Date: 12/16/1992

Global Id: T0603704373
Status: Open - Site Assessment
Status Date: 12/16/1992

Global Id: T0603704373
Status: Completed - Case Closed
Status Date: 06/16/1993

CORTESE:
Name: JUSTICE BROTHERS INC.
Address: 941 HUNTINGTON DR W
City,State,Zip: MONROVIA, CA 91016
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0603704373
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

HIST CORTESE:
edr_fname: JUSTICE BROTHERS INC.
edr_fadd1: 941 HUNTINGTON
City,State,Zip: MONROVIA, CA 91016
Region: CORTESE

JUSTICE BROTHERS INC. (Continued) **S100942996**

Facility County Code: 19
Reg By: LTNKA
Reg Id: I-15963

LOS ANGELES CO. HMS:
Name: JUSTICE BROTHERS/JB CAR CARE
Address: 941 W HUNTINGTON DR
City,State,Zip: MONROVIA, CA 91016
Region: LA
Permit Category: T
Facility Id: 015048-015963
Facility Type: 0
Facility Status: Removed
Area: 3G
Permit Number: 00006245T
Permit Status: Removed

CERS:
Name: JUSTICE BROTHERS INC.
Address: 941 HUNTINGTON DR W
City,State,Zip: MONROVIA, CA 91016
Site ID: 241000
CERS ID: T0603704373
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: JOHN AWUJO - LOS ANGELES COUNTY
Entity Title: Not reported
Affiliation Address: 900 S FREMONT AVE
Affiliation City: ALHAMBRA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 6264583507

Affiliation Type Desc: Regional Board Caseworker
Entity Name: YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4TH ST., SUITE 200
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

36
WSW
1/8-1/4
0.179 mi.
945 ft.

DK CYCLES INC DBA HELEN'S CYCLES V **RCRA NonGen / NLR** **1024830043**
142 E HUNTINGTON DR **CAL000364467**
ARCADIA, CA 91006

Relative:
Lower

Actual:
481 ft.

RCRA NonGen / NLR:
Date Form Received by Agency: 2011-06-09 00:00:00.0
Handler Name: DK CYCLES INC DBA HELEN'S CYCLES V
Handler Address: 142 E HUNTINGTON DR

DK CYCLES INC DBA HELEN'S CYCLES V (Continued) **1024830043**

Handler City,State,Zip:	ARCADIA, CA 91006-3211
EPA ID:	CAL000364467
Contact Name:	JAY WOLFF
Contact Address:	2501 BROADWAY
Contact City,State,Zip:	SANTA MONICA, CA 90404
Contact Telephone:	310-829-1836
Contact Fax:	310-829-0870
Contact Email:	ANJI@HELENSCYCLES.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	2501 BROADWAY
Mailing City,State,Zip:	SANTA MONICA, CA 90404-3045
Owner Name:	DK CYCLES INC
Owner Type:	Other
Operator Name:	JAY WOLFF
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No

DK CYCLES INC DBA HELEN'S CYCLES V (Continued) **1024830043**

TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-09-05 20:34:28.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JAY WOLFF
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2501 BROADWAY
Owner/Operator City,State,Zip:	SANTA MONICA, CA 90404
Owner/Operator Telephone:	310-829-1836
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	DK CYCLES INC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2501 BROADWAY
Owner/Operator City,State,Zip:	SANTA MONICA, CA 90404-3045
Owner/Operator Telephone:	310-829-1836
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2011-06-09 00:00:00.0
Handler Name:	DK CYCLES INC DBA HELEN'S CYCLES V
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No

DK CYCLES INC DBA HELEN'S CYCLES V (Continued) **1024830043**

Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 45111
NAICS Description: SPORTING GOODS STORES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

I37 WNW 1/8-1/4 0.188 mi. 991 ft. **J M RACING INC** **RCRA-SQG** **1000596598**
144 E SANTA CLARA ST **CAD983605726**
ARCADIA, CA 91006

Site 2 of 6 in cluster I

Relative: Higher

Actual: 490 ft.

RCRA-SQG:
Date Form Received by Agency: 2000-07-13 00:00:00.0
Handler Name: J M RACING INC
Handler Address: 144 E SANTA CLARA ST
Handler City,State,Zip: ARCADIA, CA 91006
EPA ID: CAD983605726
Contact Name: CHRIS COOLEY
Contact Address: P O BOX 661565
Contact City,State,Zip: ARCADIA, CA 91006
Contact Telephone: 626-446-5443
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported
EPA Region: 09
Land Type: Private
Federal Waste Generator Description: Small Quantity Generator
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: P O BOX 661565
Mailing City,State,Zip: ARCADIA, CA 91006
Owner Name: JEAN MARCHIONI
Owner Type: Private
Operator Name: Not reported
Operator Type: Not reported
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No

J M RACING INC (Continued) **1000596598**

Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2002-10-07 16:38:28.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	Not reported

Hazardous Waste Summary:

Waste Code:	D039
Waste Description:	TETRACHLOROETHYLENE

J M RACING INC (Continued) **1000596598**

Handler - Owner Operator:
- Owner/Operator Indicator: Owner
- Owner/Operator Name: JEAN MARCHIONI
- Legal Status: Private
- Date Became Current: Not reported
- Date Ended Current: Not reported
- Owner/Operator Address: 144 E SANTA CLARA ST
- Owner/Operator City,State,Zip: ARCADIA, CA 91006
- Owner/Operator Telephone: 626-446-5443
- Owner/Operator Telephone Ext: Not reported
- Owner/Operator Fax: Not reported
- Owner/Operator Email: Not reported

Historic Generators:
- Receive Date: 2000-07-13 00:00:00.0
- Handler Name: J M RACING INC
- Federal Waste Generator Description: Small Quantity Generator
- State District Owner: Not reported
- Large Quantity Handler of Universal Waste: No
- Recognized Trader Importer: No
- Recognized Trader Exporter: No
- Spent Lead Acid Battery Importer: No
- Spent Lead Acid Battery Exporter: No
- Current Record: Yes
- Non Storage Recycler Activity: Not reported
- Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
- NAICS Code: 336413
- NAICS Description: OTHER AIRCRAFT PARTS AND AUXILIARY EQUIPMENT MANUFACTURING

Facility Has Received Notices of Violations:
- Violations: No Violations Found

Evaluation Action Summary:
- Evaluations: No Evaluations Found

G38 **TUNE UP MASTERS SHOP** **LUST** **S102439301**
East **915 HUNTINGTON DR E** **Cortese** **N/A**
1/8-1/4 **MONROVIA, CA 91016** **HIST CORTESE**
0.188 mi. **CERS**
995 ft. **Site 3 of 3 in cluster G**

Relative: **Lower**
Actual: **469 ft.**

LUST REG 4:
- Region: 4
- Regional Board: 04
- County: Los Angeles
- Facility Id: I-15624
- Status: Case Closed
- Substance: Waste Oil
- Substance Quantity: Not reported
- Local Case No: Not reported
- Case Type: Soil
- Abatement Method Used at the Site: Not reported

TUNE UP MASTERS SHOP (Continued) **S102439301**

Global ID:	T0603704336	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19000	
Cross Street:	MYRTLE AVE.	
Enforcement Type:	222	
Date Leak Discovered:	8/20/1990	
Date Leak First Reported:		9/18/1990
Date Leak Record Entered:	12/4/1990	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	8/20/1990	
Date Case Last Changed on Database:		4/7/1993
Date the Case was Closed:		4/7/1993
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	COFFEY, DON	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		2641.1001627803894145731151445
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		8/2/1992
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		1/1/1965
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	TUNE UP MASTERS, INC.	
RP Address:	2001 CORPORATE CENTER DR., NEWBURY PARK, 91320	
Program:	LUST	
Lat/Long:	34.1397069 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	Not reported	

LUST:

Name:	TUNE UP MASTERS SHOP
Address:	915 HUNTINGTON DR E
City,State,Zip:	MONROVIA, CA 91016
Lead Agency:	LOS ANGELES COUNTY
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603704336
Global Id:	T0603704336

TUNE UP MASTERS SHOP (Continued) **S102439301**

Latitude: 34.1395961
Longitude: -117.9854763
Status: Completed - Case Closed
Status Date: 04/07/1993
Case Worker: JOA
RB Case Number: I-15624
Local Agency: LOS ANGELES COUNTY
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
Site History: Not reported

LUST:
Global Id: T0603704336
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: jawujo@dpw.lacounty.gov
Phone Number: 6264583507

Global Id: T0603704336
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603704336
Action Type: Other
Date: 08/20/1990
Action: Leak Discovery

Global Id: T0603704336
Action Type: Other
Date: 08/20/1990
Action: Leak Stopped

Global Id: T0603704336
Action Type: Other
Date: 09/18/1990
Action: Leak Reported

LUST:
Global Id: T0603704336
Status: Open - Case Begin Date
Status Date: 08/20/1990

Global Id: T0603704336
Status: Open - Remediation
Status Date: 08/02/1992

TUNE UP MASTERS SHOP (Continued) **S102439301**

Global Id: T0603704336
Status: Completed - Case Closed
Status Date: 04/07/1993

CORTESE:
Name: TUNE UP MASTERS SHOP
Address: 915 HUNTINGTON DR E
City,State,Zip: MONROVIA, CA 91016
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0603704336
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

HIST CORTESE:
edr_fname: TUNE UP MASTERS SHOP
edr_fadd1: 915 HUNTINGTON
City,State,Zip: MONROVIA, CA 91016
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: I-15624

CERS:
Name: TUNE UP MASTERS SHOP
Address: 915 HUNTINGTON DR E
City,State,Zip: MONROVIA, CA 91016
Site ID: 248128
CERS ID: T0603704336
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4TH ST., SUITE 200
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported

TUNE UP MASTERS SHOP (Continued) **S102439301**

Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	JOHN AWUJO - LOS ANGELES COUNTY
Entity Title:	Not reported
Affiliation Address:	900 S FREMONT AVE
Affiliation City:	ALHAMBRA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	6264583507

J39 **ARCADIA MOTOR SVC** **RCRA-SQG** **1000594499**
West **134 WHEELER** **FINDS** **CAD983583303**
1/8-1/4 **ARCADIA, CA 91006** **ECHO**
0.194 mi.
1026 ft. **Site 1 of 5 in cluster J**

Relative: **Higher**
Actual: **486 ft.**

RCRA-SQG:

Date Form Received by Agency:		1991-06-06 00:00:00.0
Handler Name:	ARCADIA MOTOR SVC	
Handler Address:		134 WHEELER
Handler City,State,Zip:		ARCADIA, CA 91006
EPA ID:		CAD983583303
Contact Name:		MARVIN DICKSON
Contact Address:		134 WHEELER
Contact City,State,Zip:		ARCADIA, CA 91006
Contact Telephone:		818-446-3786
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Private
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		134 WHEELER
Mailing City,State,Zip:		ARCADIA, CA 91006
Owner Name:		MARVIN L DICKSON
Owner Type:		Private
Operator Name:		Not reported
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No

ARCADIA MOTOR SVC (Continued) **1000594499**

Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2002-06-27 03:35:10.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	Not reported

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	MARVIN L DICKSON
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	134 WHEELER AVE
Owner/Operator City,State,Zip:	ARCADIA, CA 91006
Owner/Operator Telephone:	818-446-3786
Owner/Operator Telephone Ext:	Not reported

ARCADIA MOTOR SVC (Continued) **1000594499**

Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 1991-06-06 00:00:00.0
Handler Name: ARCADIA MOTOR SVC
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 811111
NAICS Description: GENERAL AUTOMOTIVE REPAIR

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110002845057

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000594499
Registry ID: 110002845057
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002845057
Name: ARCADIA MOTOR SVC
Address: 134 WHEELER
City,State,Zip: ARCADIA, CA 91006

J40 **DAN'S AUTO CARE** **CERS HAZ WASTE** **S123501735**
West **134 E WHEELER AVE** **CERS** **N/A**
1/8-1/4 **ARCADIA, CA 91006**
0.194 mi.
1026 ft. **Site 2 of 5 in cluster J**

Relative:
Higher

Actual:
486 ft.

CERS HAZ WASTE:

Name:	DAN'S AUTO CARE
Address:	134 E WHEELER AVE
City,State,Zip:	ARCADIA, CA 91006
Site ID:	146043
CERS ID:	10294285
CERS Description:	Hazardous Waste Generator

CERS:

Name:	DAN'S AUTO CARE
Address:	134 E WHEELER AVE
City,State,Zip:	ARCADIA, CA 91006
Site ID:	146043
CERS ID:	10294285
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	146043
Site Name:	Dan's Auto Care
Violation Date:	02-10-2016
Citation:	HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Description:	Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Returned to compliance on 12/22/2017. OBSERVATION: Owner/Operator failed to establish and implement a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet. CORRECTIVE ACTION: Establish and implement a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet. Disclose your 110 gallons of waste oil and 55-gallons of waste coolant. Go to http://cers.calepa.ca.gov
Violation Division:	Los Angeles County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	146043
Site Name:	Dan's Auto Care
Violation Date:	02-10-2016
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Haz Waste Generator Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 01/05/2018. OBSERVATION: The Owner/Operator failed to obtain or no longer has an active hazardous waste generator permit. CORRECTIVE ACTION: The Owner/Operator shall immediately apply to receive a new or renewed hazardous waste generator permit and maintain that permit as active as long as the facility is in operation and continues to generate hazardous waste. Go to http://cers.calepa.gov
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS

DAN'S AUTO CARE (Continued) **S123501735**

Site ID: 146043
Site Name: Dan's Auto Care
Violation Date: 06-24-2019
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 06/24/2019. Hazardous Waste labels were filled in with the required information: name of business; address; start accumulation date; state waste code; and physical state.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 146043
Site Name: Dan's Auto Care
Violation Date: 03-19-2013
Citation: HSC 6.95 25505(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)
Violation Description: Owner/Operator failed to complete and/or submit a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet.
Violation Notes: Submit HMBP to CERS
Violation Division: Los Angeles County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 146043
Site Name: Dan's Auto Care
Violation Date: 06-24-2019
Citation: 22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description: Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.
Violation Notes: OBSERVATION: Uniform Hazardous Waste Manifests for HAZARDOUS WASTES generated were not available at the time of inspection. CORRECTIVE ACTION: Locate a copy of all manifests for HAZARDOUS WASTES- used oil; spent coolant, manifest/receipt for removal of clarifier contents and submit copies to the CUPA manfests/recepts copies for the last three years. Docments may be submitted by either method: Fax, 323.8904046. emai: brenda.wright@fire.lacounty.gov mail: 5825 Rickenbacker Rd, Comerce 90040 Phone number- Inspector Brenda Wright 213.215.4137
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 01-05-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency

DAN'S AUTO CARE (Continued) **S123501735**

Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-10-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: DAN ALEXANDER
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-10-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: DAN ALEXANDER
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-19-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspected by Z Songco, HMS II Consent by R Hillman
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-19-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspected by Z Songco, HMS II Consent by R Hillman
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-24-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Consent by mechanics: Joe Lorino and Jennifer Errickson
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-24-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Consent by Joe Lorino, mechanic
Eval Division: Los Angeles County Fire Department
Eval Program: HW

DAN'S AUTO CARE (Continued) **S123501735**

Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 12-22-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 12-22-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Affiliation:
Affiliation Type Desc: Parent Corporation
Entity Name: DAN'S AUTO CARE
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: CUPA District
Entity Name: Los Angeles County Fire
Entity Title: Not reported
Affiliation Address: 5825 Rickenbacker Road
Affiliation City: Commerce
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90040-3027
Affiliation Phone: (323) 890-4000

Affiliation Type Desc: Environmental Contact
Entity Name: Dan Alexander
Entity Title: Not reported
Affiliation Address: 134 Wheeler Ave
Affiliation City: ARCADIA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 91007
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: daniel alexander
Entity Title: Owner
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported

DAN'S AUTO CARE (Continued) **S123501735**

Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	Dan Alexander
Entity Title:	Not reported
Affiliation Address:	134 wheeler ave.
Affiliation City:	Arcadia
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91006
Affiliation Phone:	(626) 445-0453
Affiliation Type Desc:	Document Preparer
Entity Name:	daniel alexander
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	134 Wheeler Ave
Affiliation City:	Arcadia
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91006
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	Dan Alexander
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(626) 252-0375

J41 **ARCADIA MOTOR SERVICES** **SWEEPS UST** **S102055683**
West **134 WHEELER AVE** **LOS ANGELES CO. HMS** **N/A**
1/8-1/4 **ARCADIA, CA 91006**
0.194 mi.
1026 ft. **Site 3 of 5 in cluster J**

Relative:
Higher

Actual:
486 ft.

SWEEPS UST:

Name:	ARCADIA MOTOR SERVICES
Address:	134 WHEELER AVE
City:	ARCADIA
Status:	Active
Comp Number:	14204
Number:	9

ARCADIA MOTOR SERVICES (Continued) **S102055683**

Board Of Equalization: Not reported
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-014204-000001
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 1

LOS ANGELES CO. HMS:
Name: ARCADIA MOTOR SERVICES
Address: 134 WHEELER AVE
City,State,Zip: ARCADIA, CA 91006
Region: LA
Permit Category: T
Facility Id: 013775-014204
Facility Type: 0
Facility Status: Removed
Area: 3N
Permit Number: 00005714T
Permit Status: Removed

J42 **ARCADIA MOTOR SERVICE** **HIST UST** **U001566423**
West **134 WHEELER AVE** **N/A**
1/8-1/4 **ARCADIA, CA 91006**
0.194 mi.
1026 ft. **Site 4 of 5 in cluster J**

Relative:
Higher

Actual:
486 ft.

HIST UST:
Name: ARCADIA MOTOR SERVICE
Address: 134 WHEELER AVE
City,State,Zip: ARCADIA, CA 91006
File Number: 00027A84
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00027A84.pdf
Region: STATE
Facility ID: 00000066641
Facility Type: Other
Other Type: AUTO REPAIR
Contact Name: Not reported
Telephone: 8184463786
Owner Name: MARVIN L. DICKSON
Owner Address: 134 WHEELER AVE.
Owner City,St,Zip: ARCADIA, CA 91006
Total Tanks: 0002

Tank Num: 001
Container Num: 2
Year Installed: 1958
Tank Capacity: 00000750
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: X

ARCADIA MOTOR SERVICE (Continued) **U001566423**

Leak Detection:	None
Tank Num:	002
Container Num:	1
Year Installed:	1958
Tank Capacity:	00000300
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	None

Click here for Geo Tracker PDF:

J43 **DANS AUTO CARE** **RCRA NonGen / NLR** **1025869418**
West **134 WHEELER AVE** **CAL000408327**
1/8-1/4 **ARCADIA, CA 91006**
0.194 mi.
1026 ft. **Site 5 of 5 in cluster J**

Relative: **Higher**

Actual: **486 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		2015-07-08 00:00:00.0
Handler Name:	DANS AUTO CARE	
Handler Address:		134 WHEELER AVE
Handler City,State,Zip:		ARCADIA, CA 91006
EPA ID:		CAL000408327
Contact Name:		DAN ALEXANDER
Contact Address:		134 WHEELER AVE
Contact City,State,Zip:		ARCADIA, CA 91006
Contact Telephone:		626-445-0453
Contact Fax:		Not reported
Contact Email:		ALEXFAMILY7@AOL.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		134 WHEELER AVE
Mailing City,State,Zip:		ARCADIA, CA 91006
Owner Name:		DAN ALEXANDER
Owner Type:		Other
Operator Name:		DAN ALEXANDER
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		Yes
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes

DANS AUTO CARE (Continued) **1025869418**

Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2019-06-28 17:07:00.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	DAN ALEXANDER
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	134 WHEELER AVE
Owner/Operator City,State,Zip:	ARCADIA, CA 91006
Owner/Operator Telephone:	626-252-0375
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported

DANS AUTO CARE (Continued) **1025869418**

Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: DAN ALEXANDER
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 134 WHEELER AVE
Owner/Operator City,State,Zip: ARCADIA, CA 91006
Owner/Operator Telephone: 626-445-0453
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 2015-07-08 00:00:00.0
Handler Name: DANS AUTO CARE
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: Not reported
Recognized Trader Exporter: Not reported
Spent Lead Acid Battery Importer: Not reported
Spent Lead Acid Battery Exporter: Not reported
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 811111
NAICS Description: GENERAL AUTOMOTIVE REPAIR

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

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44 WNW 1/8-1/4 0.200 mi. 1054 ft. **TOVA 9** **RCRA-SQG 1000141554**
140 E SANTA CLARA **FINDS CAD981629488**
ARCADIA, CA 91006 **ECHO**

Relative: Higher
Actual: 491 ft.

RCRA-SQG:
Date Form Received by Agency: 1996-09-01 00:00:00.0
Handler Name: TOVA 9
Handler Address: 140 E SANTA CLARA
Handler City,State,Zip: ARCADIA, CA 91006
EPA ID: CAD981629488
Contact Name: Not reported
Contact Address: Not reported
Contact City,State,Zip: Not reported
Contact Telephone: Not reported
Contact Fax: Not reported

TOVA 9 (Continued) **1000141554**

Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	CA
State District:	3
Mailing Address:	E SANTA CLARA
Mailing City,State,Zip:	ARCADIA, CA 91006
Owner Name:	TOVA CORP
Owner Type:	Private
Operator Name:	NOT REQUIRED
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A

TOVA 9 (Continued) **1000141554**

Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2000-09-15 17:29:47.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	Not reported

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NOT REQUIRED
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	TOVA CORP
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	1996-09-01 00:00:00.0
Handler Name: TOVA 9	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

TOVA 9 (Continued) **1000141554**

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110002730313

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000141554
Registry ID: 110002730313
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002730313
Name: TOVA 9
Address: 140 E SANTA CLARA
City,State,Zip: ARCADIA, CA 91006

I45 NW 1/8-1/4 0.201 mi. 1060 ft. **APW DEVELOPMENT COMPANY** **RCRA-SQG** **1019327091**
225 NORTH SECOND AVENUE **CAC002821613**
ARCADIA, CA 91006

Site 3 of 6 in cluster I

Relative: Higher
Actual: 491 ft.

RCRA-SQG:
Date Form Received by Agency: 2016-01-13 00:00:00.0
Handler Name: APW DEVELOPMENT COMPANY
Handler Address: 225 NORTH SECOND AVENUE
Handler City,State,Zip: ARCADIA, CA 91006
EPA ID: CAC002821613
Contact Name: CHARLES N WOOD
Contact Address: NORTH SECOND AVENUE
Contact City,State,Zip: ARCADIA, CA 91006
Contact Telephone: 626-446-6175
Contact Fax: 626-446-0972
Contact Email: CHARLES@E-Z-HOOK.COM
Contact Title: PARTNER
EPA Region: 09
Land Type: Private
Federal Waste Generator Description: Small Quantity Generator
Non-Notifier: Not reported

APW DEVELOPMENT COMPANY (Continued) **1019327091**

Biennial Report Cycle:	2015
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	NORTH SECOND AVENUE
Mailing City,State,Zip:	ARCADIA, CA 91006
Owner Name:	APW DEVELOPMENT COMPANY
Owner Type:	Private
Operator Name:	APW DEVELOPMENT COMPANY
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No

APW DEVELOPMENT COMPANY (Continued) **1019327091**

Financial Assurance Required:	Not reported
Handler Date of Last Change:	2016-11-04 19:42:33.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	Not reported

Biennial: List of Years
Year: 2015

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D001
Waste Description: IGNITABLE WASTE

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	APW DEVELOPMENT COMPANY
Legal Status:	Private
Date Became Current:	1979-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	225 NORTH SECOND AVENUE
Owner/Operator City,State,Zip:	ARCADIA, CA 91006
Owner/Operator Telephone:	626-446-6175
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	APW DEVELOPMENT COMPANY
Legal Status:	Private
Date Became Current:	1979-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2016-01-13 00:00:00.0
Handler Name:	APW DEVELOPMENT COMPANY
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes

APW DEVELOPMENT COMPANY (Continued) **1019327091**

Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 53119
NAICS Description: LESSORS OF OTHER REAL ESTATE PROPERTY

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

I46 **E-Z-HOOK, DIVISION OF TEKTEST, INC.** **UST** **U004263353**
NW **225 N 2ND AVE** **N/A**
1/8-1/4 **ARCADIA, CA 91006**
0.201 mi.
1060 ft. **Site 4 of 6 in cluster I**

Relative:
Higher

Actual:
491 ft.

UST:
Name: E-Z-HOOK, DIVISION OF TEKTEST, INC.
Address: 225 N 2ND AVE
City,State,Zip: ARCADIA, CA 91006
Facility ID: Not reported
Permitting Agency: Los Angeles County Fire Department
Latitude: 34.14314
Longitude: -118.02617

Name: E-Z-HOOK, DIVISION OF TEKTEST, INC.
Address: 225 N 2ND AVE
City,State,Zip: ARCADIA, CA 91006
Facility ID: Not reported
Permitting Agency: Los Angeles County Fire Department
Latitude: 34.14314
Longitude: -118.02617

I47 **APW DEVELPMENT COMPANY** **CERS TANKS** **S118496684**
NW **225 N 2ND AVE** **HAZNET** **N/A**
1/8-1/4 **ARCADIA, CA 91006** **LOS ANGELES CO. HMS**
0.201 mi. **HWTS**
1060 ft. **Site 5 of 6 in cluster I**

Relative:
Higher

Actual:
491 ft.

CERS TANKS:
Name: E-Z-HOOK, DIVISION OF TEKTEST, INC.
Address: 225 N 2ND AVE
City,State,Zip: ARCADIA, CA 91006
Site ID: 568400
CERS ID: 10624807
CERS Description: Underground Storage Tank

Coordinates:
Site ID: 568400
Facility Name: E-Z-Hook, Division of Tektest, Inc.
Env Int Type Code: UST

APW DEVELPMENT COMPANY (Continued) **S118496684**

Program ID: 10624807
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 34.143140
Longitude: -118.026170

Affiliation:
Affiliation Type Desc: Document Preparer
Entity Name: Charles Wood
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: Charles Wood
Entity Title: Not reported
Affiliation Address: PO Box 660729
Affiliation City: Arcadia
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 91066-0729
Affiliation Phone: Not reported

Affiliation Type Desc: UST Tank Owner
Entity Name: APW Development Co.
Entity Title: Not reported
Affiliation Address: PO Box 660729
Affiliation City: Arcadia
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 91066-0729
Affiliation Phone: (626) 446-6175

Affiliation Type Desc: Identification Signer
Entity Name: Charles Wood
Entity Title: Sales Manager/ Part Owner
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: E-Z-Hook, Division of Tektest, Inc.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (626) 446-6175

APW DEVELPMENT COMPANY (Continued) **S118496684**

Affiliation Type Desc:	Legal Owner
Entity Name:	APW Development Co.
Entity Title:	Not reported
Affiliation Address:	P.O. Box 660729
Affiliation City:	Arcadia
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91066-0729
Affiliation Phone:	(626) 446-6175

Affiliation Type Desc:	Parent Corporation
Entity Name:	E-Z-Hook, Division of Tektest, Inc. - Inactive
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Property Owner
Entity Name:	APW Development Co.
Entity Title:	Not reported
Affiliation Address:	P.O. Box 660729
Affiliation City:	Arcadia
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91066-0729
Affiliation Phone:	(626) 446-6175

Affiliation Type Desc:	UST Permit Applicant
Entity Name:	Phelps M. Wood
Entity Title:	President
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(626) 446-6175

Affiliation Type Desc:	UST Tank Operator
Entity Name:	E-Z-Hook, Division of Tektest, Inc.
Entity Title:	Not reported
Affiliation Address:	PO Box 660729
Affiliation City:	Arcadia
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91066-0729
Affiliation Phone:	(626) 446-6175

Affiliation Type Desc:	CUPA District
Entity Name:	Los Angeles County Fire
Entity Title:	Not reported
Affiliation Address:	5825 Rickenbacker Road
Affiliation City:	Commerce
Affiliation State:	CA
Affiliation Country:	Not reported

APW DEVELPMENT COMPANY (Continued) **S118496684**

Affiliation Zip:	90040-3027
Affiliation Phone:	(323) 890-4000
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	P.O. Box 660729
Affiliation City:	Arcadia
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91066-0729
Affiliation Phone:	Not reported
Affiliation Type Desc:	UST Property Owner Name
Entity Name:	APW Development Co.
Entity Title:	Not reported
Affiliation Address:	PO Box 660729
Affiliation City:	Arcadia
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91066-0729
Affiliation Phone:	(626) 446-6175

HAZNET:

Name:	APW DEVELPMENT COMPANY
Address:	225 N 2ND AVE
Address 2:	Not reported
City,State,Zip:	ARCADIA, CA 910063286
Contact:	CHARLES WOOD
Telephone:	6264976564
Mailing Name:	Not reported
Mailing Address:	225 N 2ND AVE
Year:	2015
Gepaid:	CAC002821613
TSD EPA ID:	CAT080013352
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	1.47

Additional Info:

Year:	2015
Gen EPA ID:	CAC002821613
Shipment Date:	20150713
Creation Date:	10/1/2015 22:15:21
Receipt Date:	20150717
Manifest ID:	007645853FLE
Trans EPA ID:	CAT080016116
Trans Name:	NIETO AND SONS TRUCKING INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported

APW DEVELPMENT COMPANY (Continued) **S118496684**

TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.47
Waste Quantity:	350
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

LOS ANGELES CO. HMS:

Name:	E-Z HOOK DIV OF TEKTEST INC
Address:	225 N 2ND AVE
City,State,Zip:	ARCADIA, CA 910063286
Region:	LA
Permit Category:	T
Facility Id:	034422-060440
Facility Type:	0
Facility Status:	Removed
Area:	3N
Permit Number:	000804693
Permit Status:	Removed

HWTS:

Name:	APW DEVELPMENT COMPANY
Address:	225 N 2ND AVE
Address 2:	Not reported
City,State,Zip:	ARCADIA, CA 910063286
EPA ID:	CAC002821613
Inactive Date:	10/09/2015
Create Date:	07/10/2015
Last Act Date:	10/10/2015
Mailing Name:	Not reported
Mailing Address:	225 N 2ND AVE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	ARCADIA, CA 910063286
Owner Name:	CHARLES WOOD
Owner Address:	225 N 2ND AVE
Owner Address 2:	Not reported
Owner City,State,Zip:	ARCADIA, CA 910063286
Contact Name:	CHARLES WOOD
Contact Address:	225 N 2ND AVE
Contact Address 2:	Not reported
City,State,Zip:	ARCADIA, CA 910063286

I48 **MCPHERSON PRINTING** **RCRA NonGen / NLR** **1025830162**
NW **135 E. SANTA CLARA ST.** **CAC003009716**
1/8-1/4 **ARCADIA, CA 91006**
0.204 mi.
1079 ft. **Site 6 of 6 in cluster I**

Relative:
Higher

Actual:
492 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		2019-04-10 00:00:00.0
Handler Name:	MCPHERSON PRINTING	
Handler Address:		135 E. SANTA CLARA ST.
Handler City,State,Zip:		ARCADIA, CA 91006
EPA ID:		CAC003009716
Contact Name:		CRAIG MCPHERSON
Contact Address:		4841 N. VERDE VISTA DR.
Contact City,State,Zip:		PRESCOTT VALLEY, AZ 86314
Contact Telephone:		408-717-0011
Contact Fax:		Not reported
Contact Email:		CATHYW@CALWESTENVIRONMENTAL.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		4841 N. VERDE VISTA DR.
Mailing City,State,Zip:		PRESCOTT VALLEY, AZ 86314
Owner Name:		CRAIG MCPHERSON
Owner Type:		Other
Operator Name:		CRAIG MCPHERSON
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

MCPHERSON PRINTING (Continued) **1025830162**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2019-06-26 18:52:04.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CRAIG MCPHERSON
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	4841 N. VERDE VISTA DR.
Owner/Operator City,State,Zip:	PRESCOTT VALLEY, AZ 86314
Owner/Operator Telephone:	408-717-0011
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	CRAIG MCPHERSON
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	4841 N. VERDE VISTA DR.
Owner/Operator City,State,Zip:	PRESCOTT VALLEY, AZ 86314
Owner/Operator Telephone:	408-717-0011
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

MCPHERSON PRINTING (Continued) **1025830162**

Historic Generators:
- Receive Date: 2019-04-10 00:00:00.0
- Handler Name: MCPHERSON PRINTING
- Federal Waste Generator Description: Not a generator, verified
- State District Owner: Not reported
- Large Quantity Handler of Universal Waste: No
- Recognized Trader Importer: No
- Recognized Trader Exporter: No
- Spent Lead Acid Battery Importer: No
- Spent Lead Acid Battery Exporter: No
- Current Record: Yes
- Non Storage Recycler Activity: Not reported
- Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
- NAICS Code: 56299
- NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
- Violations: No Violations Found

Evaluation Action Summary:
- Evaluations: No Evaluations Found

H49 **SOUTHERN CALIFORNIA EDISON MONROVIA OFFICE BLDG** **CERS HAZ WASTE** **S120989812**
SE **1218 S 5TH AVE** **CERS TANKS** **N/A**
1/8-1/4 **MONROVIA, CA 91016** **HAZNET**
0.208 mi. **CERS**
1098 ft. **Site 2 of 2 in cluster H** **HWTS**

Relative: Lower

Actual: 478 ft.

CERS HAZ WASTE:
- Name: CITY OF HOPE - MONROVIA RESEARCH FACILITY
- Address: 1218 S 5TH AVE
- City,State,Zip: MONROVIA, CA 91016
- Site ID: 414197
- CERS ID: 10720183
- CERS Description: Hazardous Waste Generator

CERS TANKS:
- Name: CITY OF HOPE - MONROVIA RESEARCH FACILITY
- Address: 1218 S 5TH AVE
- City,State,Zip: MONROVIA, CA 91016
- Site ID: 414197
- CERS ID: 10720183
- CERS Description: Aboveground Petroleum Storage

HAZNET:
- Name: CITY OF HOPE - MONROVIA RESEARCH FACILITY
- Address: 1218 S 5TH AVE
- Address 2: Not reported
- City,State,Zip: MONROVIA, CA 91010
- Contact: CHUCK PICKERING
- Telephone: 6262564673
- Mailing Name: Not reported

SOUTHERN CALIFORNIA EDISON MONROVIA OFFICE BLDG (Continued) **S120989812**

Mailing Address: 1500 E DUARTE RD

Year: 2019
Gepaid: CAL000420599
TSD EPA ID: CAD008364432
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.25000

Year: 2016
Gepaid: CAC002846152
TSD EPA ID: UTD981552177
CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Tons: 0.0075

CERS:
Name: CITY OF HOPE - MONROVIA RESEARCH FACILITY
Address: 1218 S 5TH AVE
City,State,Zip: MONROVIA, CA 91016
Site ID: 414197
CERS ID: 10720183
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 414197
Site Name: City of Hope - Monrovia Research Facility
Violation Date: 11-23-2016
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 12/20/2016. Establish a HMBP.
Violation Division: Monrovia Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 414197
Site Name: City of Hope - Monrovia Research Facility
Violation Date: 11-08-2017
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 12/01/2017. OBSERVATION: Four 5-gal jugs of waste x-ray film fixer solution llocated in the hazardous waste/chemical storage room were observed without a hazardous waste label. CORRECTIVE ACTION: Submit a photo to the CUPA demonstrating that the containers listed above have been properly labeled.
Violation Division: Los Angeles County Fire Department
Violation Program: HW

SOUTHERN CALIFORNIA EDISON MONROVIA OFFICE BLDG (Continued) **S120989812**

Violation Source: CERS

Site ID: 414197
Site Name: City of Hope - Monrovia Research Facility
Violation Date: 11-08-2017
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 11/08/2017. 12.50.075 Permit Required - Every business or business concern within the jurisdiction of the LACoCUPA and subject to on or more of the program elements shall be required to apply for, pay the permit fees required by this chapter, and obtain from the LACoCUPA a unified program facility permit for the program elements applicable to such facility prior to the commencement of any business or activity related to any of the program elements. The permit required under this section shall be posted and conspicuously displayed at the location falling under the requirements of this chapter.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 414197
Site Name: City of Hope - Monrovia Research Facility
Violation Date: 07-03-2019
Citation: 22 CCR 12 66262.34(e) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(e)
Violation Description: Failure to meet the following conditions of satellite accumulation regulations: G Accumulate up to 55 gallons of hazardous waste or one quart of acute hazardous waste at or near the initial point of accumulation which was under the control of the operator. G Total time hazardous waste can be accumulated onsite in any generator accumulation area is one year, i.e., the combined accmulation time at a satellite accumulation point and at a 90/180/270 accumulation area (depending on size of generator and distance transported), whichever comes first. G The generator complies with section 66265.171, 66265.172, and 66265.173(a). G The container must be clearly marked with the initial date that hazardous waste is first placed in the container and labelled with the words G Hazardous WasteG including specified information G Container must be labelled with the date the satellite accumulation limit is reached and moved within three days after reaching the 55 gallon (or one quart) limit to a G 90 dayG accumulation area G 55 gallons (or one quart of acute hazardous waste) of waste per process may be accumulated
Violation Notes: Returned to compliance on 08/06/2019. OBSERVATION: Failure of the Owner/Operator to comply with one or more satellite accumulation requirements: satellite containers in some labs were labeled with incorrect address; some accumulation start dates were older than one year or two years. CORRECTIVE ACTION: Ensure that all hazardous wastes being accumulated pursuant to satellite accumulation meet all applicable requirements and submit documentation of compliance to the CUPA.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

SOUTHERN CALIFORNIA EDISON MONROVIA OFFICE BLDG (Continued) **S120989812**

Site ID:	414197
Site Name:	City of Hope - Monrovia Research Facility
Violation Date:	07-03-2019
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	Failure to prepare an SPCC Plan that meets all applicable requirements.
Violation Notes:	Returned to compliance on 08/06/2019. OBSERVATION: Failure to prepare an SPCC Plan that meets all applicable requirements. CORRECTIVE ACTION: Complete or revise SPCC plan that meets all applicable requirements.
Violation Division:	Los Angeles County Fire Department
Violation Program:	APSA
Violation Source:	CERS

Site ID:	414197
Site Name:	City of Hope - Monrovia Research Facility
Violation Date:	08-23-2017
Citation:	HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description:	Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.
Violation Notes:	Returned to compliance on 09/01/2017. Update HMBP.
Violation Division:	Monrovia Fire Department
Violation Program:	HMRRP
Violation Source:	CERS

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-26-2019
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	No Violations.
Eval Division:	Monrovia Fire Department
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Other/Unknown
Eval Date:	12-18-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Email received dated 12/1/17 showing photos of properly labeled HW containers; NOV abated.
Eval Division:	Los Angeles County Fire Department
Eval Program:	HW
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-03-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Jay Benson, Haz Mat Safety Specialist

SOUTHERN CALIFORNIA EDISON MONROVIA OFFICE BLDG (Continued) **S120989812**

Eval Division: Los Angeles County Fire Department
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-03-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Jay Benson, Haz Mat Safety Specialist
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-23-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Update HMBP. New HazMat Inventory added.
Eval Division: Monrovia Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-02-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: No Violations.
Eval Division: Monrovia Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-08-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Jay C. Benson, Hazardous Material Safety Specialist
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-23-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Establish a HMBP.
Eval Division: Monrovia Fire Department
Eval Program: HMRRP
Eval Source: CERS

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: Jay Benson, Hazardous Material Specialist
Entity Title: Not reported
Affiliation Address: 1500 E Duarte Rd
Affiliation City: Duarte
Affiliation State: CA
Affiliation Country: Not reported

SOUTHERN CALIFORNIA EDISON MONROVIA OFFICE BLDG (Continued) **S120989812**

Affiliation Zip:	91010
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1500 E Duarte Rd. - Safety Dept.
Affiliation City:	Duarte
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91010
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Jay Benson
Entity Title:	Hazardous Material/Safety Specialist
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	City of Hope
Entity Title:	Not reported
Affiliation Address:	1500 E Duarte Rd.
Affiliation City:	Duarte
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91010
Affiliation Phone:	(626) 256-4673
Affiliation Type Desc:	Document Preparer
Entity Name:	Jay Benson
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	City of Hope - Monrovia Research Center
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(626) 256-4673
Affiliation Type Desc:	Parent Corporation
Entity Name:	City of Hope Medical Center
Entity Title:	Not reported
Affiliation Address:	Not reported

SOUTHERN CALIFORNIA EDISON MONROVIA OFFICE BLDG (Continued) **S120989812**

Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: CUPA District
Entity Name: Los Angeles County Fire
Entity Title: Not reported
Affiliation Address: 5825 Rickenbacker Road
Affiliation City: Commerce
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90040-3027
Affiliation Phone: (323) 890-4000

HWTS:
Name: SOUTHERN CALIFORNIA EDISON MONROVIA OFFICE BLDG
Address: 1218 S 5TH AVE
Address 2: Not reported
City,State,Zip: MONROVIA, CA 910163805
EPA ID: CAC002846152
Inactive Date: 04/26/2016
Create Date: 01/25/2016
Last Act Date: 08/01/2017
Mailing Name: Not reported
Mailing Address: PO BOX 800
Mailing Address 2: Not reported
Mailing City,State,Zip: ROSEMEAD, CA 917700000
Owner Name: SOUTHERN CALIFORNIA EDISON
Owner Address: PO BOX 800
Owner Address 2: Not reported
Owner City,State,Zip: ROSEMEAD, CA 917700000
Contact Name: SARA M. DUVALL
Contact Address: P.O. BOX 800
Contact Address 2: Not reported
City,State,Zip: ROSEMEAD, CA 91770

NAICS:
EPA ID: CAC002846152
Create Date: 2016-01-25 16:05:08.613
NAICS Code: 221122
NAICS Description: Electric Power Distribution
Issued EPA ID Date: 2016-01-25 16:05:08.61300
Inactive Date: 2016-04-26 03:00:18.73300
Facility Name: SOUTHERN CALIFORNIA EDISON MONROVIA OFFICE BLDG
Facility Address: 1218 S 5TH AVE
Facility Address 2: Not reported
Facility City: MONROVIA
Facility County: Not reported
Facility State: CA
Facility Zip: 910163805

Name: CITY OF HOPE - MONROVIA RESEARCH FACILITY
Address: 1218 S 5TH AVE

SOUTHERN CALIFORNIA EDISON MONROVIA OFFICE BLDG (Continued) **S120989812**

Address 2:	Not reported
City,State,Zip:	MONROVIA, CA 91016
EPA ID:	CAL000420599
Inactive Date:	06/30/2017
Create Date:	10/05/2016
Last Act Date:	09/17/2020
Mailing Name:	SAFETY DEPARTMENT
Mailing Address:	1500 E DUARTE ROAD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	DUARTE, CA 910100000
Owner Name:	CITY OF HOPE
Owner Address:	1500 E DUARTE RD
Owner Address 2:	Not reported
Owner City,State,Zip:	DUARTE, CA 910103000
Contact Name:	MR. JAY BENSON
Contact Address:	1500 E DUARTE RD
Contact Address 2:	Not reported
City,State,Zip:	DUARTE, CA 91010

NAICS:

EPA ID:	CAL000420599
Create Date:	2016-10-05 08:58:03.050
NAICS Code:	54172
NAICS Description:	Research and Development in the Social Sciences and Humanities
Issued EPA ID Date:	2016-10-05 08:58:02.97300
Inactive Date:	2017-06-30 00:00:00
Facility Name:	CITY OF HOPE - MONROVIA RESEARCH FACILITY
Facility Address:	1218 S 5TH AVE
Facility Address 2:	Not reported
Facility City:	MONROVIA
Facility County:	Not reported
Facility State:	CA
Facility Zip:	91016

K50 **PHILLIP H SCOTT 14-069** **HIST UST** **U001566550**
East **912 W HUNTINGTON** **N/A**
1/8-1/4 **MONROVIA, CA 91016**
0.209 mi.
1106 ft. **Site 1 of 2 in cluster K**

Relative:
Lower

Actual:
467 ft.

HIST UST:

Name:	PHILLIP H SCOTT 14-069
Address:	912 W HUNTINGTON
City,State,Zip:	MONROVIA, CA 91016
File Number:	00027F01
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00027F01.pdf
Region:	STATE
Facility ID:	00000039729
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	8183582916
Owner Name:	MOBIL OIL CORPORATION
Owner Address:	612 SOUTH FLOWER STREET
Owner City,St,Zip:	LOS ANGELES, CA 90017
Total Tanks:	0004

PHILLIP H SCOTT 14-069 (Continued) **U001566550**

Tank Num:	001
Container Num:	0674
Year Installed:	1968
Tank Capacity:	00000280
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	002
Container Num:	0675
Year Installed:	1972
Tank Capacity:	00006000
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	003
Container Num:	0676
Year Installed:	1968
Tank Capacity:	00008000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	004
Container Num:	0677
Year Installed:	1968
Tank Capacity:	00009940
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Click here for Geo Tracker PDF:

K51 **95098** **SWEEPS UST** **U001566515**
East **854 HUNTINGTON DR** **HIST UST** **N/A**
1/8-1/4 **MONROVIA, CA 91016**
0.216 mi.
1140 ft. **Site 2 of 2 in cluster K**

Relative: SWEEPS UST:
Lower

Name:	CHEVRON 5098
Address:	854 HUNTINGTON DR
City:	MONROVIA
Status:	Active
Comp Number:	13503
Number:	9
Board Of Equalization:	44-010175
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-013503-000001
Tank Status:	A

Actual:
469 ft.

95098 (Continued) **U001566515**

Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 9

Name: CHEVRON 5098
Address: 854 HUNTINGTON DR
City: MONROVIA
Status: Active
Comp Number: 13503
Number: 9
Board Of Equalization: 44-010175
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-013503-000002
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: CHEVRON 5098
Address: 854 HUNTINGTON DR
City: MONROVIA
Status: Active
Comp Number: 13503
Number: 9
Board Of Equalization: 44-010175
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-013503-000003
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: CHEVRON 5098
Address: 854 HUNTINGTON DR
City: MONROVIA
Status: Active
Comp Number: 13503
Number: 9
Board Of Equalization: 44-010175
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89

95098 (Continued) **U001566515**

Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-013503-000004
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: CHEVRON 5098
Address: 854 HUNTINGTON DR
City: MONROVIA
Status: Active
Comp Number: 13503
Number: 9
Board Of Equalization: 44-010175
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-013503-000005
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: CHEVRON 5098
Address: 854 HUNTINGTON DR
City: MONROVIA
Status: Active
Comp Number: 13503
Number: 9
Board Of Equalization: 44-010175
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-013503-000006
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: CHEVRON 5098
Address: 854 HUNTINGTON DR
City: MONROVIA
Status: Active
Comp Number: 13503
Number: 9
Board Of Equalization: 44-010175

95098 (Continued) **U001566515**

Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-013503-000007
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: CHEVRON 5098
Address: 854 HUNTINGTON DR
City: MONROVIA
Status: Active
Comp Number: 13503
Number: 9
Board Of Equalization: 44-010175
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-013503-000008
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: CHEVRON 5098
Address: 854 HUNTINGTON DR
City: MONROVIA
Status: Active
Comp Number: 13503
Number: 9
Board Of Equalization: 44-010175
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-013503-000009
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

HIST UST:
Name: 95098
Address: 854 HUNTINGTON DR
City,State,Zip: MONROVIA, CA 91016

95098 (Continued) **U001566515**

File Number:	00026DD5
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00026DD5.pdf
Region:	STATE
Facility ID:	00000062708
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	LIVERMORE,WILLIAM
Telephone:	8183571740
Owner Name:	CHEVRON U.S.A. INC.
Owner Address:	575 MARKET
Owner City,St,Zip:	SAN FRANCISCO, CA 94105
Total Tanks:	0004
Tank Num:	001
Container Num:	1
Year Installed:	1967
Tank Capacity:	00008000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	0000250
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	2
Year Installed:	1967
Tank Capacity:	00007500
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	0000250
Leak Detection:	Stock Inventor
Tank Num:	003
Container Num:	3
Year Installed:	1967
Tank Capacity:	00004000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	0000170
Leak Detection:	Stock Inventor
Tank Num:	004
Container Num:	4
Year Installed:	1967
Tank Capacity:	00001000
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	0000130
Leak Detection:	Stock Inventor

Click here for Geo Tracker PDF:

L52 **COLLECTORS CARS** **RCRA-SQG 1000819963**
NW **150 E ST JOSEPH** **FINDS CAD983659822**
1/8-1/4 **ARCADIA, CA 91006** **ECHO**
0.227 mi. **HAZNET**
1200 ft. **Site 1 of 5 in cluster L** **HWTS**

Relative: Higher
Actual: 494 ft.

RCRA-SQG:

Date Form Received by Agency:		1993-02-17 00:00:00.0
Handler Name:	COLLECTORS CARS	
Handler Address:		150 E ST JOSEPH
Handler City,State,Zip:		ARCADIA, CA 91006
EPA ID:		CAD983659822
Contact Name:		MIKE TOSHIMO
Contact Address:		150 E ST JOSEPH
Contact City,State,Zip:		ARCADIA, CA 91006
Contact Telephone:		818-447-2576
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Private
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		150 E ST JOSEPH
Mailing City,State,Zip:		ARCADIA, CA 91006
Owner Name:		MIKE TOSHIMA
Owner Type:		Private
Operator Name:		Not reported
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

COLLECTORS CARS (Continued) **1000819963**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2002-06-27 03:36:26.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	Not reported

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	MIKE TOSHIMA
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	150 E ST JOSEPH
Owner/Operator City,State,Zip:	ARCADIA, CA 91006
Owner/Operator Telephone:	818-447-2776
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	1993-02-17 00:00:00.0
Handler Name: COLLECTORS CARS	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes

COLLECTORS CARS (Continued) **1000819963**

Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 44112
NAICS Description: USED CAR DEALERS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110002892932

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000819963
Registry ID: 110002892932
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002892932
Name: COLLECTORS CARS
Address: 150 E ST JOSEPH
City,State,Zip: ARCADIA, CA 91006

HAZNET:
Name: COLLECTORS CARS
Address: 150 E ST JOSEPH
Address 2: Not reported
City,State,Zip: ARCADIA, CA 910060000
Contact: GREG GARCIA-MANAGER
Telephone: 6264472576
Mailing Name: Not reported
Mailing Address: 150 E SAINT JOSEPH ST

Year: 1999
Gepaid: CAD983659822
TSD EPA ID: CAT000613893
CA Waste Code: 134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method: H01 - Transfer Station
Tons: 0.063

COLLECTORS CARS (Continued) **1000819963**

Year: 1996
Gepaid: CAD983659822
TSD EPA ID: CAD000088252
CA Waste Code: 352 - Other organic solids
Disposal Method: H01 - Transfer Station
Tons: 0.03

Year: 1994
Gepaid: CAD983659822
TSD EPA ID: CAT000613893
CA Waste Code: 343 - Unspecified organic liquid mixture
Disposal Method: -
Tons: 0.1245

Year: 1993
Gepaid: CAD983659822
TSD EPA ID: CAT000613893
CA Waste Code: 341 - Organic liquids (nonsolvents) with halogens
Disposal Method: H01 - Transfer Station
Tons: 0.249

Additional Info:
Year: 1996
Gen EPA ID: CAD983659822

Shipment Date: 19961213
Creation Date: 5/20/1997 0:00:00
Receipt Date: 19961213
Manifest ID: 96432505
Trans EPA ID: CAD982359671
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD000088252
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported
Meth Code: H01 - Transfer Station
Quantity Tons: 0.03
Waste Quantity: 60
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 1993
Gen EPA ID: CAD983659822

Shipment Date: 19930513
Creation Date: 9/8/1995 0:00:00

COLLECTORS CARS (Continued) **1000819963**

Receipt Date:	19930514
Manifest ID:	92146747
Trans EPA ID:	ILD051060408
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	341 - Organic liquids (nonsolvents) with halogens
RCRA Code:	D008
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.249
Waste Quantity:	498
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1994
Gen EPA ID:	CAD983659822
Shipment Date:	19940601
Creation Date:	10/10/1995 0:00:00
Receipt Date:	Not reported
Manifest ID:	93546456
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.1245
Waste Quantity:	249
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1999
Gen EPA ID:	CAD983659822
Shipment Date:	19990108
Creation Date:	3/1/1999 0:00:00

COLLECTORS CARS (Continued) **1000819963**

Receipt Date:	19990108
Manifest ID:	98624815
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000613893
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.063
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	COLLECTORS CARS
Address:	150 E ST JOSEPH
Address 2:	Not reported
City,State,Zip:	ARCADIA, CA 910060000
EPA ID:	CAD983659822
Inactive Date:	06/30/2001
Create Date:	02/17/1993
Last Act Date:	08/10/2004
Mailing Name:	Not reported
Mailing Address:	150 E SAINT JOSEPH ST
Mailing Address 2:	Not reported
Mailing City,State,Zip:	ARCADIA, CA 910062851
Owner Name:	CHAPTER S CORPORATION
Owner Address:	150 E SAINT JOSEPH ST
Owner Address 2:	Not reported
Owner City,State,Zip:	ARCADIA, CA 910062851
Contact Name:	GREG GARCIA-MANAGER
Contact Address:	INACT PER NONDEL 01VQ - CR
Contact Address 2:	Not reported
City,State,Zip:	ARCADIA, CA 910062851

NAICS:

EPA ID:	CAD983659822
Create Date:	2002-03-14 16:36:27.000
NAICS Code:	811111
NAICS Description:	General Automotive Repair
Issued EPA ID Date:	1993-02-17 00:00:00
Inactive Date:	2001-06-30 00:00:00
Facility Name:	COLLECTORS CARS
Facility Address:	150 E ST JOSEPH
Facility Address 2:	Not reported
Facility City:	ARCADIA
Facility County:	Not reported
Facility State:	CA

COLLECTORS CARS (Continued) **1000819963**

Facility Zip: 910060000

53
NNW
1/8-1/4
0.238 mi.
1258 ft.

AIR LOGISTICS CORP
324 N SECOND ST
ARCADIA, CA 91006

RCRA NonGen / NLR **1000122414**
FINDS **CAD042246587**
ECHO

Relative:
Higher

Actual:
491 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		1986-07-31 00:00:00.0
Handler Name:	AIR LOGISTICS CORP	
Handler Address:		324 N SECOND ST
Handler City,State,Zip:		ARCADIA, CA 91006
EPA ID:		CAD042246587
Contact Name:		ENVIRONMENTAL MANAGER
Contact Address:		324 N SECOND ST
Contact City,State,Zip:		ARCADIA, CA 91006
Contact Telephone:		213-681-1101
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Other
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		CA
State District:		3
Mailing Address:		3600 E FOOTHILL BLVD
Mailing City,State,Zip:		PASADENA, CA 91109
Owner Name:		AIR LOGISTICS CORP
Owner Type:		Private
Operator Name:		NOT REQUIRED
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No

AIR LOGISTICS CORP (Continued) **1000122414**

Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2002-06-27 03:21:00.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	Not reported

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NOT REQUIRED
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	AIR LOGISTICS CORP
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212

AIR LOGISTICS CORP (Continued) **1000122414**

Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 1986-07-31 00:00:00.0
Handler Name: AIR LOGISTICS CORP
Federal Waste Generator Description: Not a generator, verified
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110002644853

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000122414
Registry ID: 110002644853
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002644853
Name: AIR LOGISTICS CORP
Address: 324 N SECOND ST
City,State,Zip: ARCADIA, CA 91006

L54 **TAKANOS BODY SHOP** **RCRA-SQG** **1000147189**
NW **140 E ST. JOSEPH ST** **FINDS** **CAD982478869**
1/8-1/4 **ARCADIA, CA 91006** **ECHO**
0.247 mi.
1302 ft. **Site 2 of 5 in cluster L**

Relative: **Higher**
Actual: **496 ft.**

RCRA-SQG:

Date Form Received by Agency:		1990-07-25 00:00:00.0
Handler Name:	TAKANOS BODY SHOP	
Handler Address:		140 E ST. JOSEPH ST
Handler City,State,Zip:		ARCADIA, CA 91006
EPA ID:		CAD982478869
Contact Name:		ENVIRONMENTAL MANAGER
Contact Address:		140 E ST. JOSEPH ST
Contact City,State,Zip:		ARCADIA, CA 91006
Contact Telephone:		818-574-0667
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Other
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		CA
State District:		3
Mailing Address:		140 E ST JOSEPH ST
Mailing City,State,Zip:		ARCADIA, CA 91006
Owner Name:		TOSHIO TAKANO
Owner Type:		Private
Operator Name:		NOT REQUIRED
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

TAKANOS BODY SHOP (Continued) **1000147189**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2002-06-27 03:34:15.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	Not reported

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	TOSHIO TAKANO
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NOT REQUIRED
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

TAKANOS BODY SHOP (Continued) **1000147189**

Historic Generators:

Receive Date:	1990-07-25 00:00:00.0
Handler Name: TAKANOS BODY SHOP	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

FINDS:

Registry ID: 110002824034

Click Here:

Environmental Interest/Information System:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000147189
Registry ID:	110002824034
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002824034
Name:	TAKANOS BODY SHOP
Address:	140 E ST. JOSEPH ST
City,State,Zip:	ARCADIA, CA 91006

L55 **AUTOSQUARE COLLISION CENTER** **CERS HAZ WASTE** **S113132088**
NW **140 E SAINT JOSEPH ST** **HAZNET** **N/A**
1/8-1/4 **ARCADIA, CA 91006** **CERS**
0.247 mi. **HWTS**
1302 ft. **Site 3 of 5 in cluster L**

Relative:
Higher

Actual:
496 ft.

CERS HAZ WASTE:
Name: AUTOSQUARE COLLISION CENTER
Address: 140 E SAINT JOSEPH ST
City,State,Zip: ARCADIA, CA 91006
Site ID: 9831
CERS ID: 10267399
CERS Description: Hazardous Waste Generator

HAZNET:
Name: AUTO SQUARE COLLISION CENTERS
Address: 140 E SAINT JOSEPH ST
Address 2: Not reported
City,State,Zip: ARCADIA, CA 917313221
Contact: GERRY ENDERS
Telephone: 6262770022
Mailing Name: Not reported
Mailing Address: 3475 PECK RD

Year: 2019
Gepaid: CAL000282425
TSD EPA ID: CAD008302903
CA Waste Code: 212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.22500

Year: 2011
Gepaid: CAL000282425
TSD EPA ID: CAD008252405
CA Waste Code: 133 - Aqueous solution with total organic residues 10 percent or more
Disposal Method: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.01251

Year: 2011
Gepaid: CAL000282425
TSD EPA ID: CAD008252405
CA Waste Code: 214 - Unspecified solvent mixture
Disposal Method: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.0576

Year: 2010
Gepaid: CAL000282425
TSD EPA ID: CAD008252405
CA Waste Code: 133 - Aqueous solution with total organic residues 10 percent or more
Disposal Method: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.4587

Year: 2009
Gepaid: CAL000282425
TSD EPA ID: CAD008252405
CA Waste Code: 133 - Aqueous solution with total organic residues 10 percent or more
Disposal Method: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.22935

AUTOSQUARE COLLISION CENTER (Continued) **S113132088**

Year: 2008
Gepaid: CAL000282425
TSD EPA ID: CAD008252405
CA Waste Code: 133 - Aqueous solution with total organic residues 10 percent or more
Disposal Method: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.22935

Year: 2007
Gepaid: CAL000282425
TSD EPA ID: CAD008252405
CA Waste Code: 133 - Aqueous solution with total organic residues 10 percent or more
Disposal Method: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.22935

Year: 2006
Gepaid: CAL000282425
TSD EPA ID: CAD008252405
CA Waste Code: 133 - Aqueous solution with total organic residues 10 percent or more
Disposal Method: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.22935

Additional Info:
Year: 2009
Gen EPA ID: CAL000282425

Shipment Date: 20090316
Creation Date: 7/31/2009 18:30:21
Receipt Date: 20090316
Manifest ID: 004999049JJK
Trans EPA ID: CAR000194837
Trans Name: PACIFIC COAST LACQUER
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008252405
Trans Name: PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 133 - Aqueous solution with 10% or more total organic residues
RCRA Code: Not reported
Meth Code: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons: 0.22935
Waste Quantity: 55
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2008
Gen EPA ID: CAL000282425

Shipment Date: 20080612
Creation Date: 11/18/2008 18:30:08

AUTOSQUARE COLLISION CENTER (Continued) **S113132088**

Receipt Date:	20080612
Manifest ID:	003934391JJK
Trans EPA ID:	CAD008252405
Trans Name:	PACIFIC COAST LACQUER
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2006
Gen EPA ID:	CAL000282425
Shipment Date:	20061127
Creation Date:	8/7/2007 18:30:14
Receipt Date:	20061127
Manifest ID:	000579512JJK
Trans EPA ID:	CAD008252405
Trans Name:	PACIFIC COAST LACQUER
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2011
Gen EPA ID:	CAL000282425
Shipment Date:	20110909
Creation Date:	3/20/2012 20:30:12

AUTOSQUARE COLLISION CENTER (Continued) **S113132088**

Receipt Date:	20110909
Manifest ID:	008712663JJK
Trans EPA ID:	CAR000194837
Trans Name:	PACIFIC COAST LACQUER
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.01251
Waste Quantity:	3
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20110909
Creation Date:	3/20/2012 20:30:12
Receipt Date:	20110909
Manifest ID:	008712663JJK
Trans EPA ID:	CAR000194837
Trans Name:	PACIFIC COAST LACQUER
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	F005
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.0576
Waste Quantity:	16
Quantity Unit:	G
Additional Code 1:	F003
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2007
Gen EPA ID:	CAL000282425

Shipment Date:	20070817
Creation Date:	3/4/2008 18:30:55
Receipt Date:	20070817
Manifest ID:	001650966JJK
Trans EPA ID:	CAD008252405
Trans Name:	PACIFIC COAST LACQUER
Trans 2 EPA ID:	Not reported

AUTOSQUARE COLLISION CENTER (Continued) **S113132088**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2010
Gen EPA ID:	CAL000282425
Shipment Date:	20101101
Creation Date:	4/27/2011 18:30:07
Receipt Date:	20101101
Manifest ID:	007415121JJK
Trans EPA ID:	CAR000194837
Trans Name:	PACIFIC COAST LACQUER
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100204
Creation Date:	11/3/2010 18:30:37
Receipt Date:	20100204
Manifest ID:	006487993JJK
Trans EPA ID:	CAR000194837
Trans Name:	PACIFIC COAST LACQUER
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

AUTOSQUARE COLLISION CENTER (Continued) **S113132088**

Waste Code Description: 133 - Aqueous solution with 10% or more total organic residues
RCRA Code: Not reported
Meth Code: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons: 0.22935
Waste Quantity: 55
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

CERS:
Name: AUTOSQUARE COLLISION CENTER
Address: 140 E SAINT JOSEPH ST
City,State,Zip: ARCADIA, CA 91006
Site ID: 9831
CERS ID: 10267399
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 9831
Site Name: AUTOSQUARE COLLISION CENTER
Violation Date: 08-27-2020
Citation: Un-Specified
Violation Description: Business Plan Program - Operations/Maintenance - General Local Ordinance
Violation Notes: Owner/Operator failed to adequately label hazardous material areas. Observed faded NFPA 704 placard at the front of the facility. CORRECTIVE ACTION: Ensure that NFPA 704 placards are placed at entrances to hazardous materials storage areas and at each building that stores, uses, handles or dispenses hazardous materials
Violation Division: Los Angeles County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 9831
Site Name: AUTOSQUARE COLLISION CENTER
Violation Date: 04-02-2014
Citation: HSC 6.95 25505(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)
Violation Description: Owner/Operator failed to complete and/or submit a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet.
Violation Notes: Returned to compliance on 05/09/2014. OBSERVATION: Owner/Operator failed to complete and/or submit a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet. CORRECTIVE ACTION: Complete and/or submit a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet.
Violation Division: Los Angeles County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection

AUTOSQUARE COLLISION CENTER (Continued) **S113132088**

Eval Date: 04-02-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-02-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 04-08-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-20-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-20-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Joey Mekhjian
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 05-09-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-27-2020
Violations Found: No
Eval Type: Routine done by local agency

AUTOSQUARE COLLISION CENTER (Continued) **S113132088**

Eval Notes: Joey Mekhjian, Shop Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-27-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Joey Mekhjian, Shop Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: Gerry Enders
Entity Title: Not reported
Affiliation Address: 140 E. Saint Joseph St.
Affiliation City: Arcadia
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 91006
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 140 E. Saint Joseph St.
Affiliation City: Arcadia
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 91006
Affiliation Phone: Not reported

Affiliation Type Desc: Document Preparer
Entity Name: Jerry Montenegro, Celly Services, Inc.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: Gerald Enders
Entity Title: Owner
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: Auto SQ LLC

AUTOSQUARE COLLISION CENTER (Continued) **S113132088**

Entity Title:	Not reported
Affiliation Address:	140 E. Saint Joseph St.
Affiliation City:	Arcadia
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91006
Affiliation Phone:	(626) 821-8669
Affiliation Type Desc:	Parent Corporation
Entity Name:	AUTOSQUARE COLLISION CENTER
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	CUPA District
Entity Name:	Los Angeles County Fire
Entity Title:	Not reported
Affiliation Address:	5825 Rickenbacker Road
Affiliation City:	Commerce
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90040-3027
Affiliation Phone:	(323) 890-4000
Affiliation Type Desc:	Operator
Entity Name:	Gerald Enders
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(626) 821-8669

HWTS:

Name:	AUTO SQUARE COLLISION CENTERS
Address:	140 E SAINT JOSEPH ST
Address 2:	Not reported
City,State,Zip:	ARCADIA, CA 910062851
EPA ID:	CAL000282425
Inactive Date:	Not reported
Create Date:	05/24/2004
Last Act Date:	07/20/2020
Mailing Name:	Not reported
Mailing Address:	3475 PECK RD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	EL MONTE, CA 917313221
Owner Name:	AUTO SC LLC
Owner Address:	3475 PECK RD
Owner Address 2:	Not reported
Owner City,State,Zip:	EL MONTE, CA 917313221
Contact Name:	GERRY ENDERS

AUTOSQUARE COLLISION CENTER (Continued) **S113132088**

Contact Address: 3475 PECK RD
Contact Address 2: Not reported
City,State,Zip: EL MONTE, CA 91731

NAICS:
EPA ID: CAL000282425
Create Date: 2004-05-24 09:48:57.670
NAICS Code: 811121
NAICS Description: Automotive Body, Paint, and Interior Repair and Maintenance
Issued EPA ID Date: 2004-05-24 09:48:57.62300
Inactive Date: Not reported
Facility Name: AUTO SQUARE COLLISION CENTERS
Facility Address: 140 E SAINT JOSEPH ST
Facility Address 2: Not reported
Facility City: ARCADIA
Facility County: Not reported
Facility State: CA
Facility Zip: 910062851

L56 **AUTO SQUARE COLLISION CENTERS** **RCRA NonGen / NLR** **1024808943**
NW **140 E SAINT JOSEPH ST** **CAL000282425**
1/8-1/4 **ARCADIA, CA 91006**
0.247 mi.
1302 ft. **Site 4 of 5 in cluster L**

Relative:
Higher

Actual:
496 ft.

RCRA NonGen / NLR:
Date Form Received by Agency: 2004-05-24 00:00:00.0
Handler Name: AUTO SQUARE COLLISION CENTERS
Handler Address: 140 E SAINT JOSEPH ST
Handler City,State,Zip: ARCADIA, CA 91006-2851
EPA ID: CAL000282425
Contact Name: GERRY ENDERS
Contact Address: 3475 PECK RD
Contact City,State,Zip: EL MONTE, CA 91731
Contact Telephone: 626-277-0022
Contact Fax: 626-448-5153
Contact Email: BRIANE@AUTOSQUARECOLLISION.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: 3475 PECK RD
Mailing City,State,Zip: EL MONTE, CA 91731-3221
Owner Name: AUTO SC LLC
Owner Type: Other
Operator Name: GERRY ENDERS
Operator Type: Other
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No

AUTO SQUARE COLLISION CENTERS (Continued) **1024808943**

Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-09-05 20:25:43.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	AUTO SC LLC
Legal Status:	Other

AUTO SQUARE COLLISION CENTERS (Continued) **1024808943**

Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	3475 PECK RD
Owner/Operator City,State,Zip:	EL MONTE, CA 91731-3221
Owner/Operator Telephone:	626-277-0022
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	GERRY ENDERS
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	3475 PECK RD
Owner/Operator City,State,Zip:	EL MONTE, CA 91731
Owner/Operator Telephone:	626-277-0022
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2004-05-24 00:00:00.0
Handler Name:	AUTO SQUARE COLLISION CENTERS
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	811121
NAICS Description:	AUTOMOTIVE BODY, PAINT, AND INTERIOR REPAIR AND MAINTENANCE

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

L57 **CALIBER COLLISION CENTERS** **RCRA NonGen / NLR** **1024853278**
NW **140 E SAINT JOSEPH ST** **CAL000412904**
1/8-1/4 **ARCADIA, CA 91006**
0.247 mi.
1302 ft. **Site 5 of 5 in cluster L**

Relative:
Higher

Actual:
496 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:	2015-12-03 00:00:00.0
Handler Name:	CALIBER COLLISION CENTERS
Handler Address:	140 E SAINT JOSEPH ST
Handler City,State,Zip:	ARCADIA, CA 91006-2851
EPA ID:	CAL000412904
Contact Name:	SHARON LAWRENCE
Contact Address:	401 E CORPORATE DR STE 150
Contact City,State,Zip:	LEWISVILLE, TX 75057
Contact Telephone:	469-948-9630
Contact Fax:	972-906-7214
Contact Email:	SHARON.LAWRENCE@CALIBERCOLLISION.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	401 E CORPORATE DR STE 150
Mailing City,State,Zip:	LEWISVILLE, TX 75057-6449
Owner Name:	CALIBER COLIISION BODYWORKS INC
Owner Type:	Other
Operator Name:	SHARON LAWRENCE
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported

CALIBER COLLISION CENTERS (Continued) **1024853278**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-09-06 17:07:14.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	SHARON LAWRENCE
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	401 E CORPORATE DR STE 150
Owner/Operator City,State,Zip:	LEWISVILLE, TX 75057
Owner/Operator Telephone:	469-948-9630
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CALIBER COLIISION BODYWORKS INC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	401 E CORPORATE DR STE 150
Owner/Operator City,State,Zip:	LEWISVILLE, TX 75057-6449
Owner/Operator Telephone:	713-444-8606
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

CALIBER COLLISION CENTERS (Continued) **1024853278**

Historic Generators:
Receive Date: 2015-12-03 00:00:00.0
Handler Name: CALIBER COLLISION CENTERS
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 811121
NAICS Description: AUTOMOTIVE BODY, PAINT, AND INTERIOR REPAIR AND MAINTENANCE

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

58
ENE
1/8-1/4
0.247 mi.
1305 ft.

WORLD VISION **SWEEPS UST** **S106934588**
840 CHESTNUT ST **N/A**
MONROVIA, CA

Relative:
Higher

Actual:
484 ft.

SWEEPS UST:
Name: WORLD VISION
Address: 840 CHESTNUT ST
City: MONROVIA
Status: Active
Comp Number: 14322
Number: 9
Board Of Equalization: Not reported
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

59 West 1/4-1/2 0.254 mi. 1339 ft. **CHEVRON SERVICE STATION #9-1293**
102 HUNTINGTON DR E
ARCADIA, CA 91006

LUST Cortese CERS **S121132514 N/A**

Relative: Higher

Actual: 483 ft.

LUST:

Name:	CHEVRON SERVICE STATION #9-1293
Address:	102 HUNTINGTON DR E
City,State,Zip:	ARCADIA, CA 91006
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000010447
Global Id:	T10000010447
Latitude:	34.1398302329834
Longitude:	-118.028026063824
Status:	Open - Site Assessment
Status Date:	06/27/2017
Case Worker:	NB
RB Case Number:	R-09926
Local Agency:	Not reported
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T10000010447
Contact Type:	Regional Board Caseworker
Contact Name:	NHAN BAO
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 WEST 4TH STREET, SUITE 200
City:	LOS ANGELES
Email:	nbao@waterboards.ca.gov
Phone Number:	2135766703

LUST:

Global Id:	T10000010447
Action Type:	RESPONSE
Date:	04/08/2019
Action:	Soil and Water Investigation Workplan - Regulator Responded
Global Id:	T10000010447
Action Type:	RESPONSE
Date:	08/27/2017
Action:	Other Report / Document
Global Id:	T10000010447
Action Type:	RESPONSE
Date:	12/26/2019
Action:	Email Correspondence
Global Id:	T10000010447
Action Type:	ENFORCEMENT
Date:	06/05/2017
Action:	Referral to Regional Board
Global Id:	T10000010447

CHEVRON SERVICE STATION #9-1293 (Continued) **S121132514**

Action Type: RESPONSE
Date: 11/01/2019
Action: Other Workplan - Regulator Responded

Global Id: T10000010447
Action Type: RESPONSE
Date: 11/01/2019
Action: Site Investigation Workplan - Regulator Responded

Global Id: T10000010447
Action Type: RESPONSE
Date: 11/04/2020
Action: Soil and Water Investigation Workplan - Regulator Responded

Global Id: T10000010447
Action Type: ENFORCEMENT
Date: 06/27/2017
Action: Staff Letter

Global Id: T10000010447
Action Type: ENFORCEMENT
Date: 08/01/2017
Action: Staff Letter

Global Id: T10000010447
Action Type: ENFORCEMENT
Date: 03/08/2019
Action: Staff Letter

Global Id: T10000010447
Action Type: ENFORCEMENT
Date: 12/02/2019
Action: Email Correspondence

Global Id: T10000010447
Action Type: ENFORCEMENT
Date: 08/04/2020
Action: Staff Letter

Global Id: T10000010447
Action Type: ENFORCEMENT
Date: 09/09/2019
Action: Staff Letter

Global Id: T10000010447
Action Type: ENFORCEMENT
Date: 10/20/2020
Action: Staff Letter

Global Id: T10000010447
Action Type: Other
Date: 06/05/2017
Action: Leak Began

Global Id: T10000010447
Action Type: RESPONSE
Date: 09/04/2020

CHEVRON SERVICE STATION #9-1293 (Continued) **S121132514**

Action: Soil and Water Investigation Workplan

Global Id: T10000010447
Action Type: RESPONSE
Date: 01/15/2021
Action: Soil and Water Investigation Report

Global Id: T10000010447
Action Type: Other
Date: 06/05/2017
Action: Leak Discovery

Global Id: T10000010447
Action Type: Other
Date: 06/05/2017
Action: Leak Reported

Global Id: T10000010447
Action Type: RESPONSE
Date: 12/09/2019
Action: Soil and Water Investigation Report

Global Id: T10000010447
Action Type: REMEDIATION
Date: 06/01/1996
Action: Excavation

LUST:
Global Id: T10000010447
Status: Open - Case Begin Date
Status Date: 06/05/2017

Global Id: T10000010447
Status: Open - Inactive
Status Date: 06/05/2017

Global Id: T10000010447
Status: Pending Review
Status Date: 06/07/2017

Global Id: T10000010447
Status: Open - Site Assessment
Status Date: 06/27/2017

CORTESE:
Name: CHEVRON SERVICE STATION #9-1293
Address: 102 HUNTINGTON DR E
City,State,Zip: ARCADIA, CA 91006
Region: CORTESE
Envirostor Id: Not reported
Global ID: T10000010447
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: OPEN - SITE ASSESSMENT
Status Date: Not reported
Site Code: Not reported

CHEVRON SERVICE STATION #9-1293 (Continued) **S121132514**

Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

CERS:

Name:	CHEVRON SERVICE STATION #9-1293
Address:	102 HUNTINGTON DR E
City,State,Zip:	ARCADIA, CA 91006
Site ID:	423347
CERS ID:	T10000010447
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	NHAN BAO - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	320 WEST 4TH STREET, SUITE 200
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	2135766703

60
WNW
1/4-1/2
0.374 mi.
1975 ft.

Relative:
Higher

Actual:
500 ft.

CONTAINERIZED CHEMICAL DISPOSAL **Cortese** **S125952833**
47 SAINT JOSEPH ST E **NON-CASE INFO** **N/A**
ARCADIA, CA 91006

CORTESE:

Name:	CONTAINERIZED CHEMICAL DISPOSAL
Address:	47 SAINT JOSEPH ST E
City,State,Zip:	ARCADIA, CA 91006
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T10000014136
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	OPEN - SITE ASSESSMENT
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active

CONTAINERIZED CHEMICAL DISPOSAL (Continued) **S125952833**

Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

NON-CASE INFO:

Name:	CONTAINERIZED CHEMICAL DISPOSAL
Address:	47 SAINT JOSEPH ST E
City,State,Zip:	ARCADIA, CA 91006
Global ID:	T10000014136
Case Type:	Non-Case Information
Status:	Informational Item
Status Date:	09/18/2020
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Worker:	AJL
Local Agency:	Not reported
RB Case Number:	R-14049
Loc Case Number:	Not reported
File Location:	Not reported
Potential Contaminants of Concern:	Not reported
Potential Media Affected:	Not reported
Site History:	Not reported
Begin Date:	2020-03-17 00:00:00
How Discovered:	Not reported
How Discovered Description:	Not reported
Stop Method:	Not reported
Stop Description:	Not reported
Latitude:	34.14371
Longitude:	-118.02912
Geotracker:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000014136

61
NW
1/4-1/2
0.421 mi.
2225 ft.

DANCO ANODIZING DBA DANCO METAL SURFACING **CPS-SLIC** **S123815905**
44 LA PORTE ST **HAZNET** **N/A**
ARCADIA, CA 91006 **HWTS**

Relative:
Higher

Actual:
504 ft.

CPS-SLIC:

Name:	DANCO
Address:	44 LA PORTE ST.
City,State,Zip:	ARCADIA, CA 91006
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	07/11/1997
Global Id:	T10000015968
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	34.14401
Longitude:	-118.02986
Case Type:	Cleanup Program Site
Case Worker:	WIP
Local Agency:	Not reported
RB Case Number:	106.2082

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

File Location: Not reported
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

HAZNET:

Name:	DANCO ANODIZING DBA DANCO METAL SURFACING
Address:	44 LA PORTE ST
Address 2:	Not reported
City,State,Zip:	ARCADIA, CA 910660000
Contact:	JEFF CLARK
Telephone:	9092230562
Mailing Name:	Not reported
Mailing Address:	PO BOX 660727
Year:	2019
Gepaid:	CAD054852439
TSD EPA ID:	AZR000520304
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	13.32500
Year:	2019
Gepaid:	CAD054852439
TSD EPA ID:	NVT330010000
CA Waste Code:	723 - Liquids with chromium (VI) >= 500 Mg./L
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	4.12830
Year:	2019
Gepaid:	CAD054852439
TSD EPA ID:	AZR000520304
CA Waste Code:	726 - Liquids with nickel >= 134 Mg./L
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	2.29350
Year:	2019
Gepaid:	CAD054852439
TSD EPA ID:	AZR000520304
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.06255
Year:	2019
Gepaid:	CAD054852439
TSD EPA ID:	NVT330010000
CA Waste Code:	132 - Aqueous solution with metals (< restricted levels and (Alkaline solution (pH >= 12.5) with metals))
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	2.29350

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Year: 2019
Gepaid: CAD054852439
TSD EPA ID: NVT330010000
CA Waste Code: 122 - Alkaline solution without metals pH >= 12.5
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 2.10585

Year: 2018
Gepaid: CAD054852439
TSD EPA ID: AZR000501510
CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 5.06250

Year: 2018
Gepaid: CAD054852439
TSD EPA ID: NVT330010000
CA Waste Code: 723 - Liquids with chromium (VI) >= 500 Mg./L
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 3.16920

Year: 2018
Gepaid: CAD054852439
TSD EPA ID: NVT330010000
CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.09340

Year: 2018
Gepaid: CAD054852439
TSD EPA ID: AZR000520304
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.12510

Click this hyperlink while viewing on your computer to access
157 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:
Year: 2011
Gen EPA ID: CAD054852439

Shipment Date: 20111227
Creation Date: 3/16/2012 20:30:47
Receipt Date: 20111230
Manifest ID: 009342002JJK
Trans EPA ID: CAR000047696
Trans Name: UNIVAR USA INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008302903

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Trans Name:	VEOLIA ES TECH SOLUTIONS-AZUSA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F005
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.1815
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	F003
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111222
Creation Date:	3/16/2012 20:30:38
Receipt Date:	20111227
Manifest ID:	004854924FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	SIEMENS INDUSTRY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D007
Meth Code:	H071 - Chemical Reduction With Or Without Precipitation
Quantity Tons:	2.2935
Waste Quantity:	550
Quantity Unit:	G
Additional Code 1:	D002
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111213
Creation Date:	4/26/2012 20:30:19
Receipt Date:	20111220
Manifest ID:	004855776FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111213
Creation Date:	5/24/2012 20:30:15
Receipt Date:	20111223
Manifest ID:	004855800FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	3
Waste Quantity:	6000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111206
Creation Date:	3/12/2012 20:30:14
Receipt Date:	20111209
Manifest ID:	007522587JJK
Trans EPA ID:	CAR000047696
Trans Name:	UNIVAR USA INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECH SOLUTIONS-AZUSA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F005
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.1815
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	F003
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111025

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Creation Date:	1/6/2012 18:30:18
Receipt Date:	20111102
Manifest ID:	007521898JJK
Trans EPA ID:	CAR000047696
Trans Name:	UNIVAR USA INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECH SOLUTIONS-AZUSA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F005
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.1815
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	F003
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20111015
Creation Date:	12/13/2011 18:30:24
Receipt Date:	20111017
Manifest ID:	004749065FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	SIEMENS INDUSTRY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H135 - Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Quantity Tons:	2.919
Waste Quantity:	700
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20110916
Creation Date:	12/9/2011 18:30:58
Receipt Date:	20110921
Manifest ID:	007521807JJK
Trans EPA ID:	CAR000047696
Trans Name:	UNIVAR USA INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Trans Name:	VEOLIA ES TECH SOLUTIONS-AZUSA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F005
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.1815
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	F003
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110816
Creation Date:	10/19/2011 18:30:23
Receipt Date:	20110817
Manifest ID:	007523912JJK
Trans EPA ID:	CAR000047696
Trans Name:	UNIVAR USA INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECH SOLUTIONS-AZUSA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F005
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.1815
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	F003
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110802
Creation Date:	10/1/2011 18:30:25
Receipt Date:	20110805
Manifest ID:	007523885JJK
Trans EPA ID:	CAR000047696
Trans Name:	UNIVAR USA INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECH SOLUTIONS-AZUSA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F005
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.1815
Waste Quantity:	55
Quantity Unit:	G

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Additional Code 1:	F003
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2010
Gen EPA ID:	CAD054852439
Shipment Date:	20101207
Creation Date:	1/12/2011 18:30:31
Receipt Date:	20101208
Manifest ID:	006862858JJK
Trans EPA ID:	CAR000047696
Trans Name:	UNIVAR USA INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECH SOLUTIONS-AZUSA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F005
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.1815
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	F003
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101124
Creation Date:	1/12/2011 18:30:38
Receipt Date:	20101124
Manifest ID:	000027886MWI
Trans EPA ID:	CAD983649880
Trans Name:	PSC ENVIRONMENTAL SERVICE OF POMONA LP
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	SIEMENS WATER TECHNOLOGIES COR
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D007
Meth Code:	H135 - Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Quantity Tons:	1.43865
Waste Quantity:	345
Quantity Unit:	G
Additional Code 1:	D002
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Additional Code 5:	Not reported
Shipment Date:	20101026
Creation Date:	1/3/2011 18:30:32
Receipt Date:	20101027
Manifest ID:	006909913JJK
Trans EPA ID:	CAR000047696
Trans Name:	UNIVAR USA INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECH SOLUTIONS-AZUSA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F005
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.1815
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	F003
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100928
Creation Date:	12/16/2010 18:30:26
Receipt Date:	20101001
Manifest ID:	006909691JJK
Trans EPA ID:	CAR000047696
Trans Name:	UNIVAR USA INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECH SOLUTIONS-AZUA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F005
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.1815
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	F003
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100818
Creation Date:	10/8/2010 18:30:56
Receipt Date:	20100825
Manifest ID:	006913349JJK
Trans EPA ID:	CAR000047696
Trans Name:	UNIVAR USA INC
Trans 2 EPA ID:	Not reported

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECH SOLUTIONS-AZUSA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F005
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.132
Waste Quantity:	40
Quantity Unit:	G
Additional Code 1:	F003
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100728
Creation Date:	9/30/2010 18:30:25
Receipt Date:	20100802
Manifest ID:	006913678JJK
Trans EPA ID:	CAR000047696
Trans Name:	UNIVAR USA INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECH SOLUTIONS-AZUSA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F005
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.1815
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	F003
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100622
Creation Date:	9/10/2010 18:30:08
Receipt Date:	20100628
Manifest ID:	006911473JJK
Trans EPA ID:	CAR000047696
Trans Name:	UNIVAR USA INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECH SOLUTIONS-AZUSA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F005
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.363

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	F003
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100507
Creation Date:	8/6/2010 18:31:29
Receipt Date:	20100517
Manifest ID:	006872299JJK
Trans EPA ID:	CAR000047696
Trans Name:	UNIVAR USA INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECH SOLUTIONS-AZUSA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F005
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.099
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	F003
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100430
Creation Date:	12/16/2010 18:31:14
Receipt Date:	20100507
Manifest ID:	005337043JJK
Trans EPA ID:	CAD983613688
Trans Name:	MILES CHEMICAL COMPANY
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F003
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.1815
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100420

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Creation Date:	8/3/2010 18:30:10
Receipt Date:	20100423
Manifest ID:	006872079JJK
Trans EPA ID:	CAR000047696
Trans Name:	UNIVAR USA INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECH SOLUTIONS-AZUSA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F005
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.1815
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	F003
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1995
Gen EPA ID:	CAD054852439
Shipment Date:	19951205
Creation Date:	7/26/1996 0:00:00
Receipt Date:	19951205
Manifest ID:	93635186
Trans EPA ID:	MOD095038998
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F003
Meth Code:	R01 - Recycler
Quantity Tons:	0.1815
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19950606
Creation Date:	4/2/1996 0:00:00
Receipt Date:	19950606
Manifest ID:	95327168
Trans EPA ID:	MOD095038998
Trans Name:	Not reported

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F003
Meth Code:	R01 - Recycler
Quantity Tons:	0.1485
Waste Quantity:	45
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19950418
Creation Date:	10/23/1995 0:00:00
Receipt Date:	19950424
Manifest ID:	95232532
Trans EPA ID:	CAD000628636
Trans Name:	Not reported
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.8428
Waste Quantity:	1
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19950413
Creation Date:	4/2/1996 0:00:00
Receipt Date:	19950413
Manifest ID:	95326855
Trans EPA ID:	MOD095038998
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F003
Meth Code:	R01 - Recycler

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Quantity Tons:	0.165
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19950208
Creation Date:	3/29/1996 0:00:00
Receipt Date:	19950208
Manifest ID:	93594454
Trans EPA ID:	ILD099202681
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F003
Meth Code:	R01 - Recycler
Quantity Tons:	0.165
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2016
Gen EPA ID:	CAD054852439
Shipment Date:	20151207
Creation Date:	9/27/2016 18:30:52
Receipt Date:	20151211
Manifest ID:	009091077FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D007
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	1.14675
Waste Quantity:	275
Quantity Unit:	G
Additional Code 1:	D002

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151207
Creation Date:	9/30/2016 18:31:31
Receipt Date:	20151214
Manifest ID:	009091076FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	2
Waste Quantity:	4000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151103
Creation Date:	5/4/2016 22:15:48
Receipt Date:	20151106
Manifest ID:	009091590FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	2
Waste Quantity:	4000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150406
Creation Date:	9/8/2015 22:15:08

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Receipt Date:	20150410
Manifest ID:	008399436FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150406
Creation Date:	9/8/2015 22:15:08
Receipt Date:	20150410
Manifest ID:	008399436FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1
Waste Quantity:	2000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150129
Creation Date:	6/26/2015 22:15:23
Receipt Date:	20150204
Manifest ID:	007781083FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	2.5
Waste Quantity:	5000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2014
Gen EPA ID:	CAD054852439
Shipment Date:	20140928
Creation Date:	2/13/2015 22:15:12
Receipt Date:	20141001
Manifest ID:	007743576FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	2
Waste Quantity:	4000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140928
Creation Date:	2/13/2015 22:15:12
Receipt Date:	20141001
Manifest ID:	007743576FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.02
Waste Quantity:	40
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140928
Creation Date:	6/24/2015 22:15:21
Receipt Date:	20141010
Manifest ID:	007743577FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	CAR194217
Trans 2 Name:	TEMARRY RECYCLE
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	F003
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.02
Waste Quantity:	40
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140909
Creation Date:	6/24/2015 22:15:21
Receipt Date:	20140917
Manifest ID:	012852473JJK
Trans EPA ID:	CAD983613688
Trans Name:	MILES CHEMICAL COMPANY
Trans 2 EPA ID:	CAD008252405
Trans 2 Name:	PACIFIC RESOURCE RECOVERY
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140703
Creation Date:	11/13/2014 22:15:04
Receipt Date:	20140710
Manifest ID:	007780864FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	3.3712
Waste Quantity:	4
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140430
Creation Date:	6/18/2014 22:14:38
Receipt Date:	20140501
Manifest ID:	012378096JJK
Trans EPA ID:	GAR000068247
Trans Name:	SIEMENS INDUSTRY INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	EVOQUA WATER TECHNOLOGIES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	F019
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2184
Waste Quantity:	52
Quantity Unit:	G
Additional Code 1:	D007
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140429
Creation Date:	9/12/2014 22:15:05
Receipt Date:	20140505

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Manifest ID:	007763284FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20140429
Creation Date:	11/6/2014 22:14:59
Receipt Date:	20140515
Manifest ID:	006521993FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	CAR000163824
Trans 2 Name:	TRIMSA USA INC
TSDF EPA ID:	0203PSV10320
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	F003
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.0075
Waste Quantity:	15
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20140429
Creation Date:	9/12/2014 22:15:05
Receipt Date:	20140505
Manifest ID:	007763284FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.5
Waste Quantity:	1000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140305
Creation Date:	8/17/2014 22:15:12
Receipt Date:	20140320
Manifest ID:	007484768FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	CAR000163824
Trans 2 Name:	TRIMSA USA INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	F003
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.0125
Waste Quantity:	25
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2008
Gen EPA ID:	CAD054852439
Shipment Date:	20081126
Creation Date:	1/9/2009 18:30:19
Receipt Date:	20081126
Manifest ID:	003037762JJK
Trans EPA ID:	CAR000053405
Trans Name:	ISLAND ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	SIEMENS WATER TECHNOLOGIES CORP
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D007
Meth Code:	H135 - Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

	Without Treatment)
Quantity Tons:	1.251
Waste Quantity:	300
Quantity Unit:	G
Additional Code 1:	D002
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20081111
Creation Date:	12/22/2008 18:30:21
Receipt Date:	20081114
Manifest ID:	004402692JJK
Trans EPA ID:	CAR000047696
Trans Name:	UNIVAR USA INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECH SOLUTIONS-AZUSA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F005
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.363
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	F003
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20081003
Creation Date:	11/14/2008 18:30:18
Receipt Date:	20081008
Manifest ID:	004404930JJK
Trans EPA ID:	CAR000047696
Trans Name:	UNIVAR USA INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECH SOLUTIONS-AZUSA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F005
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.297
Waste Quantity:	90
Quantity Unit:	G
Additional Code 1:	F003
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Shipment Date:	20080905
Creation Date:	10/13/2008 18:30:47
Receipt Date:	20080910
Manifest ID:	004404892JJK
Trans EPA ID:	CAR000047696
Trans Name:	UNIVAR USA INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECH SOLUTIONS-AZUSA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F005
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.363
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	F003
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20080812
Creation Date:	10/1/2008 18:30:31
Receipt Date:	20080818
Manifest ID:	004404585JJK
Trans EPA ID:	CAR000047696
Trans Name:	UNIVAR USA INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECH SOLUTIONS-AZUSA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F005
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.1815
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	F003
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20080708
Creation Date:	9/3/2008 18:30:08
Receipt Date:	20080711
Manifest ID:	004403038JJK
Trans EPA ID:	CAR000047696
Trans Name:	UNIVAR USA INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Trans Name:	VEOLIA ES TECH SOLUTIONS-AZUSA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F005
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.165
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	F003
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20080624
Creation Date:	8/11/2008 18:30:17
Receipt Date:	20080630
Manifest ID:	004396573JJK
Trans EPA ID:	CAR000047696
Trans Name:	UNIVAR USA INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECH SOLUTIONS-AZUSA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F005
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.099
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	F003
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20080606
Creation Date:	8/8/2008 18:30:29
Receipt Date:	20080611
Manifest ID:	004396531JJK
Trans EPA ID:	CAR000047696
Trans Name:	UNIVAR USA INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECH SOLUTIONS-AZUSA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F005
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.1815
Waste Quantity:	55
Quantity Unit:	G

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Additional Code 1:	F003
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080516
Creation Date:	8/4/2008 18:30:28
Receipt Date:	20080519
Manifest ID:	003512662JJK
Trans EPA ID:	CAR000047696
Trans Name:	UNIVAR USA INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECH SOLUTIONS-AZUSA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F005
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.2805
Waste Quantity:	85
Quantity Unit:	G
Additional Code 1:	F003
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080415
Creation Date:	5/30/2008 18:30:22
Receipt Date:	20080416
Manifest ID:	003512337JJK
Trans EPA ID:	CAR000047696
Trans Name:	UNIVAR USA INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECH SOLUTIONS-AZUSA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F005
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.1815
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	F003
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2001
Gen EPA ID:	CAD054852439

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Shipment Date:	20011228
Creation Date:	2/20/2002 0:00:00
Receipt Date:	20020103
Manifest ID:	21777383
Trans EPA ID:	CAR000047696
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.297
Waste Quantity:	90
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20011204
Creation Date:	2/19/2002 0:00:00
Receipt Date:	20011206
Manifest ID:	21340195
Trans EPA ID:	CAR000047696
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.1815
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20011116
Creation Date:	1/16/2002 0:00:00
Receipt Date:	20011116
Manifest ID:	21431790
Trans EPA ID:	CAD000628636
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D002
Meth Code:	R01 - Recycler
Quantity Tons:	1.668
Waste Quantity:	400
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20011108
Creation Date:	1/16/2002 0:00:00
Receipt Date:	20011109
Manifest ID:	21431703
Trans EPA ID:	CAD000628636
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	D99 - Disposal, Other
Quantity Tons:	0.8428
Waste Quantity:	1
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20011025
Creation Date:	1/16/2002 0:00:00
Receipt Date:	20011101
Manifest ID:	21343443
Trans EPA ID:	CAR000047696
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.1749
Waste Quantity:	53
Quantity Unit:	G

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20011008
Creation Date:	12/17/2001 0:00:00
Receipt Date:	20011011
Manifest ID:	21158430
Trans EPA ID:	CAR000047696
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.5445
Waste Quantity:	165
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010914
Creation Date:	11/1/2001 0:00:00
Receipt Date:	20010920
Manifest ID:	21158731
Trans EPA ID:	CAR000047696
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.1815
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010831
Creation Date:	10/23/2001 0:00:00
Receipt Date:	20010906

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Manifest ID:	20992127
Trans EPA ID:	CAD000628636
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC950823111
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	5.8996
Waste Quantity:	7
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20010718
Creation Date:	10/1/2001 0:00:00
Receipt Date:	20010719
Manifest ID:	21069343
Trans EPA ID:	CAR000047696
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.1518
Waste Quantity:	46
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20010706
Creation Date:	10/1/2001 0:00:00
Receipt Date:	20010712
Manifest ID:	21069405
Trans EPA ID:	CAR000047696
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.22
Waste Quantity:	440
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2005
Gen EPA ID:	CAD054852439
Shipment Date:	20051216
Creation Date:	8/10/2006 18:34:27
Receipt Date:	20051222
Manifest ID:	24879031
Trans EPA ID:	CAR000053405
Trans Name:	ISLAND ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	PHILIP SERVICES CORP
TSDF Alt EPA ID:	CAD008364432
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20051216
Creation Date:	5/10/2007 16:04:53
Receipt Date:	20051216
Manifest ID:	24879029
Trans EPA ID:	CAR000053405
Trans Name:	ISLAND ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	US FILTER RECOVERY SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	R01 - Recycler
Quantity Tons:	7.24746
Waste Quantity:	1738

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20051216
Creation Date:	3/14/2006 16:16:17
Receipt Date:	Not reported
Manifest ID:	24879030
Trans EPA ID:	CAR000053405
Trans Name:	ISLAND ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	US FILTER RECOVERY SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	- Not reported
Quantity Tons:	1.0425
Waste Quantity:	250
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20051115
Creation Date:	7/12/2006 18:30:47
Receipt Date:	20051117
Manifest ID:	24764258
Trans EPA ID:	CAR000047696
Trans Name:	UNIVAR USA INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	ONYX ENV SVCS LLC AZUSA
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.363
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20051110
Creation Date:	3/14/2007 18:30:14

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Receipt Date:	20051121
Manifest ID:	24145285
Trans EPA ID:	CAR000053405
Trans Name:	ISLAND ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	GENERAL ENV MANAGEMENT
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20051015
Creation Date:	12/22/2006 18:30:28
Receipt Date:	20051015
Manifest ID:	24882175
Trans EPA ID:	CAR000053405
Trans Name:	ISLAND ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	D/K ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	R01 - Recycler
Quantity Tons:	0.834
Waste Quantity:	200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20050923
Creation Date:	4/13/2006 18:48:46
Receipt Date:	20050929
Manifest ID:	24576357
Trans EPA ID:	CAR000047696
Trans Name:	UNIVAR USA INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	ONYX ENV SVCS LLC AZUSA
TSDF Alt EPA ID:	CAD008302903

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.4455
Waste Quantity:	135
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050908
Creation Date:	1/17/2006 18:31:26
Receipt Date:	20050908
Manifest ID:	24878914
Trans EPA ID:	CAR000053405
Trans Name:	ISLAND ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	D/K ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D002
Meth Code:	R01 - Recycler
Quantity Tons:	1.35525
Waste Quantity:	325
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050816
Creation Date:	10/28/2005 18:30:54
Receipt Date:	20050818
Manifest ID:	24577251
Trans EPA ID:	CAR000047696
Trans Name:	UNIVAR USA INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	ONYX ENV SVCS LLC AZUSA
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.22
Waste Quantity:	440
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050816
Creation Date:	11/23/2005 18:30:57
Receipt Date:	20050825
Manifest ID:	24878841
Trans EPA ID:	CAR000053405
Trans Name:	ISLAND ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2013
Gen EPA ID:	CAD054852439
Shipment Date:	20131203
Creation Date:	6/10/2014 22:15:04
Receipt Date:	20131216
Manifest ID:	009970521JJK
Trans EPA ID:	CAD983613688
Trans Name:	MILES CHEMICAL COMPANY
Trans 2 EPA ID:	CAD000032870
Trans 2 Name:	AMERICAN TR LOG
TSDF EPA ID:	CAD097030993
Trans Name:	SIEMENS WATER TECHOLOGIES LLC
TSDF Alt EPA ID:	NVT330010000
TSDF Alt Name:	US ECOLOGY INC
Waste Code Description:	723 - Liquids with chromium (VI) > 500 mg/l
RCRA Code:	D007
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	1.14675
Waste Quantity:	275
Quantity Unit:	G
Additional Code 1:	D005
Additional Code 2:	D002
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Shipment Date:	20131203
Creation Date:	6/10/2014 22:15:04
Receipt Date:	20131216
Manifest ID:	009970521JJK
Trans EPA ID:	CAD983613688
Trans Name:	MILES CHEMICAL COMPANY
Trans 2 EPA ID:	CAD000032870
Trans 2 Name:	AMERICAN TR LOG
TSDF EPA ID:	CAD097030993
Trans Name:	SIEMENS WATER TECHOLOGIES LLC
TSDF Alt EPA ID:	NVT330010000
TSDF Alt Name:	US ECOLOGY INC
Waste Code Description:	723 - Liquids with chromium (VI) > 500 mg/l
RCRA Code:	D007
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.18765
Waste Quantity:	45
Quantity Unit:	G
Additional Code 1:	D005
Additional Code 2:	D002
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20131203
Creation Date:	6/10/2014 22:15:04
Receipt Date:	20131212
Manifest ID:	009970522JJK
Trans EPA ID:	CAD983613688
Trans Name:	MILES CHEMICAL COMPANY
Trans 2 EPA ID:	CAL000375950
Trans 2 Name:	DC LOGISTICS
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D007
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	D002
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20131002
Creation Date:	2/18/2014 22:15:06
Receipt Date:	20131008
Manifest ID:	005587135FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	2
Waste Quantity:	4000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131002
Creation Date:	2/18/2014 22:15:06
Receipt Date:	20131008
Manifest ID:	005587135FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0125
Waste Quantity:	25
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130909
Creation Date:	1/7/2014 22:15:14
Receipt Date:	20130911
Manifest ID:	005586958FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130812
Creation Date:	12/19/2013 22:15:06
Receipt Date:	20130814
Manifest ID:	006156095FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	3
Waste Quantity:	6000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130618
Creation Date:	11/27/2013 22:15:18
Receipt Date:	20130620
Manifest ID:	009969119JJK
Trans EPA ID:	CAD983613688
Trans Name:	MILES CHEMICAL COMPANY
Trans 2 EPA ID:	CAD008252405
Trans 2 Name:	PACIFIC RESOURCE RECOVERY
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F003
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.264
Waste Quantity:	80
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130610
Creation Date:	10/25/2013 22:15:23
Receipt Date:	20130620
Manifest ID:	006561705FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.01
Waste Quantity:	20
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130610
Creation Date:	10/25/2013 22:15:23
Receipt Date:	20130620
Manifest ID:	006561705FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.6
Waste Quantity:	3200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2012
Gen EPA ID:	CAD054852439

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Shipment Date:	20121226
Creation Date:	5/1/2013 22:15:05
Receipt Date:	20121228
Manifest ID:	005624168FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	3.25
Waste Quantity:	6500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20121113
Creation Date:	4/4/2013 22:15:21
Receipt Date:	20121119
Manifest ID:	006115473FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	161 - Fluid-cracking catalyst (FCC) waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	2.25
Waste Quantity:	4500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20121001
Creation Date:	3/26/2013 22:15:29
Receipt Date:	20121009
Manifest ID:	006117754FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1
Waste Quantity:	2000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121001
Creation Date:	3/26/2013 22:15:29
Receipt Date:	20121009
Manifest ID:	006117754FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.01
Waste Quantity:	20
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120829
Creation Date:	3/9/2013 22:15:19
Receipt Date:	20120906
Manifest ID:	005589755FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	2
Waste Quantity:	4000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120821
Creation Date:	3/28/2013 22:15:22
Receipt Date:	20120824
Manifest ID:	008855692JJK
Trans EPA ID:	CAR000201095
Trans Name:	PHOENIX ENVIRONMENTAL ENGINEERING & CONSTRUCTION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008353405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	U002
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.1815
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120816
Creation Date:	1/12/2013 22:15:35
Receipt Date:	20120823
Manifest ID:	005589664FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.102
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120816
Creation Date:	1/15/2013 22:15:15
Receipt Date:	20120824
Manifest ID:	005589666FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D007
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	D002
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120816
Creation Date:	3/28/2013 22:15:22
Receipt Date:	20120823
Manifest ID:	005589665FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D035
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.0417
Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120816
Creation Date:	10/23/2012 22:15:21
Receipt Date:	20120830
Manifest ID:	005589667FLE
Trans EPA ID:	CAD980585293

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHOCHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	U134
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	D002
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1998
Gen EPA ID:	CAD054852439
Shipment Date:	19981228
Creation Date:	2/26/1999 0:00:00
Receipt Date:	19981230
Manifest ID:	98542352
Trans EPA ID:	CAD009230244
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.363
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19981119
Creation Date:	1/13/1999 0:00:00
Receipt Date:	19981125
Manifest ID:	98542215
Trans EPA ID:	CAD009230244
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.1815
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19981105
Creation Date:	1/13/1999 0:00:00
Receipt Date:	19981105
Manifest ID:	98569356
Trans EPA ID:	CAD000628636
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC950823111
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	10.9564
Waste Quantity:	13
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980910
Creation Date:	12/7/1998 0:00:00
Receipt Date:	19980914
Manifest ID:	98333554
Trans EPA ID:	CAD000628636
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD097030993
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D99 - Disposal, Other
Quantity Tons:	0.8428
Waste Quantity:	1
Quantity Unit:	Y

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980910
Creation Date:	12/7/1998 0:00:00
Receipt Date:	19980914
Manifest ID:	98333554
Trans EPA ID:	CAD000628636
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD097030993
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D99 - Disposal, Other
Quantity Tons:	0.8428
Waste Quantity:	1
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980831
Creation Date:	11/24/1998 0:00:00
Receipt Date:	19980901
Manifest ID:	98333510
Trans EPA ID:	CAD000628636
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD097030993
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	D99 - Disposal, Other
Quantity Tons:	0.8428
Waste Quantity:	1
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980826
Creation Date:	11/2/1998 0:00:00
Receipt Date:	19980827

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Manifest ID:	97379968
Trans EPA ID:	CAD009230244
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.1815
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980812
Creation Date:	10/20/1998 0:00:00
Receipt Date:	19980813
Manifest ID:	97379907
Trans EPA ID:	CAD009230244
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.1419
Waste Quantity:	43
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980724
Creation Date:	9/15/1998 0:00:00
Receipt Date:	19980727
Manifest ID:	98330228
Trans EPA ID:	CAD000628636
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC950823111
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	11.7992
Waste Quantity:	14
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980428
Creation Date:	6/16/1998 0:00:00
Receipt Date:	19980428
Manifest ID:	98330576
Trans EPA ID:	CAD000628636
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC950823111
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	10.9564
Waste Quantity:	13
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2015
Gen EPA ID:	CAD054852439
Shipment Date:	20151207
Creation Date:	9/30/2016 18:31:31
Receipt Date:	20151214
Manifest ID:	009091076FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	2

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Waste Quantity:	4000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151207
Creation Date:	9/27/2016 18:30:52
Receipt Date:	20151211
Manifest ID:	009091077FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D007
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	1.14675
Waste Quantity:	275
Quantity Unit:	G
Additional Code 1:	D002
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151103
Creation Date:	5/4/2016 22:15:48
Receipt Date:	20151106
Manifest ID:	009091590FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	2
Waste Quantity:	4000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Shipment Date:	20150406
Creation Date:	9/8/2015 22:15:08
Receipt Date:	20150410
Manifest ID:	008399436FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1
Waste Quantity:	2000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150406
Creation Date:	9/8/2015 22:15:08
Receipt Date:	20150410
Manifest ID:	008399436FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150129
Creation Date:	6/26/2015 22:15:23
Receipt Date:	20150204
Manifest ID:	007781083FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	2.5
Waste Quantity:	5000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2000
Gen EPA ID:	CAD054852439
Shipment Date:	20001218
Creation Date:	3/5/2001 0:00:00
Receipt Date:	20001220
Manifest ID:	20509089
Trans EPA ID:	CAR000047696
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.1815
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20001207
Creation Date:	2/1/2001 0:00:00
Receipt Date:	20001211
Manifest ID:	20404313
Trans EPA ID:	CAD000628636
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC950823111
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	11.7992
Waste Quantity:	14
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20001110
Creation Date:	1/9/2001 0:00:00
Receipt Date:	20001116
Manifest ID:	20508857
Trans EPA ID:	CAD009230244
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.1815
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20001109
Creation Date:	1/9/2001 0:00:00
Receipt Date:	20001109
Manifest ID:	20404084
Trans EPA ID:	CAD000628636
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D002
Meth Code:	R01 - Recycler
Quantity Tons:	1.251
Waste Quantity:	300
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20001024
Creation Date:	1/9/2001 0:00:00
Receipt Date:	20001026
Manifest ID:	20509259
Trans EPA ID:	CAD009230244
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.1815
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000920
Creation Date:	11/14/2000 0:00:00
Receipt Date:	20000921
Manifest ID:	20403435
Trans EPA ID:	CAD000628636
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD097030993
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	D99 - Disposal, Other
Quantity Tons:	0.8428
Waste Quantity:	1
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000914
Creation Date:	12/8/2000 0:00:00
Receipt Date:	20000921
Manifest ID:	20403418
Trans EPA ID:	CAD000628636

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000911
Creation Date:	10/30/2000 0:00:00
Receipt Date:	20000913
Manifest ID:	20403301
Trans EPA ID:	CAD000628636
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC950823111
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	10.9564
Waste Quantity:	13
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000828
Creation Date:	10/23/2000 0:00:00
Receipt Date:	20000831
Manifest ID:	20139671
Trans EPA ID:	CAD009230244
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Meth Code:	R01 - Recycler
Quantity Tons:	0.22
Waste Quantity:	440
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000819
Creation Date:	10/30/2000 0:00:00
Receipt Date:	20000821
Manifest ID:	99317579
Trans EPA ID:	CAD000628636
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	121 - Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc
RCRA Code:	D002
Meth Code:	R01 - Recycler
Quantity Tons:	0.834
Waste Quantity:	200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2006
Gen EPA ID:	CAD054852439
Shipment Date:	20061219
Creation Date:	4/19/2007 18:30:14
Receipt Date:	20061221
Manifest ID:	001677428JJK
Trans EPA ID:	CAR000047696
Trans Name:	UNIVAR USA INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECH SOLUTIONS-AZUSA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F005
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.363
Waste Quantity:	110

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Quantity Unit:	G
Additional Code 1:	F003
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20061209
Creation Date:	4/19/2007 18:31:22
Receipt Date:	20061211
Manifest ID:	000416933JJK
Trans EPA ID:	CAR000053405
Trans Name:	ISLAND ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	SIEMENS WATER TECHNOLOGIES CORP
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D007
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.251
Waste Quantity:	300
Quantity Unit:	G
Additional Code 1:	D002
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20061110
Creation Date:	3/30/2007 13:33:40
Receipt Date:	20061116
Manifest ID:	001677338JJK
Trans EPA ID:	CAR000047696
Trans Name:	UNIVAR USA INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECH SOLUTIONS-AZUSA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F005
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.22
Waste Quantity:	440
Quantity Unit:	P
Additional Code 1:	F003
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20061013

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Creation Date:	4/19/2007 18:30:50
Receipt Date:	20061019
Manifest ID:	001677209JJK
Trans EPA ID:	CAR000047696
Trans Name:	UNIVAR USA INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECH SOLUTIONS-AZUSA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F005
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.363
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	F003
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20061003
Creation Date:	3/30/2007 13:31:46
Receipt Date:	20061005
Manifest ID:	001554708JJK
Trans EPA ID:	CAR000047696
Trans Name:	UNIVAR USA INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECH SOLUTIONS-AZUSA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F005
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.1815
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	F003
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20060926
Creation Date:	3/30/2007 13:31:40
Receipt Date:	20060928
Manifest ID:	000980445JJK
Trans EPA ID:	CAR000047696
Trans Name:	UNIVAR USA INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECH SOLUTIONS-AZUSA

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F005
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.1815
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	F003
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20060804
Creation Date:	9/28/2006 18:32:01
Receipt Date:	20060810
Manifest ID:	25168187
Trans EPA ID:	CAR000047696
Trans Name:	UNIVAR USA INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECH SOLUTIONS AZUSA
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.132
Waste Quantity:	40
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20060711
Creation Date:	9/13/2006 18:30:50
Receipt Date:	20060713
Manifest ID:	24764921
Trans EPA ID:	CAR000047696
Trans Name:	UNIVAR USA INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	ONYX ENV SVCS LLC AZUSA
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.363
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20060509
Creation Date:	8/1/2006 18:30:52
Receipt Date:	20060511
Manifest ID:	25104717
Trans EPA ID:	CAR000047696
Trans Name:	UNIVAR USA INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	ONYX ENV SVCS LLC AZUSA
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.363
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20060405
Creation Date:	7/27/2006 18:32:43
Receipt Date:	20060406
Manifest ID:	25105936
Trans EPA ID:	CAR000047696
Trans Name:	UNIVAR USA INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	ONYX ENV SVCS LLC AZUSA
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.264
Waste Quantity:	80
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1999
Gen EPA ID:	CAD054852439

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Shipment Date:	19991209
Creation Date:	2/1/2000 0:00:00
Receipt Date:	19991215
Manifest ID:	99380509
Trans EPA ID:	CAD000628636
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC950823111
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	11.7992
Waste Quantity:	14
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19991123
Creation Date:	1/19/2000 0:00:00
Receipt Date:	19991124
Manifest ID:	99586580
Trans EPA ID:	CAD009230244
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.1815
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19991119
Creation Date:	2/1/2000 0:00:00
Receipt Date:	19991119
Manifest ID:	99380458
Trans EPA ID:	CAD000628636
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Trans Name:	Not reported
TSDF Alt EPA ID:	CAD097030993
TSDF Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D002
Meth Code:	R01 - Recycler
Quantity Tons:	1.668
Waste Quantity:	400
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19991108
Creation Date:	1/11/2000 0:00:00
Receipt Date:	19991111
Manifest ID:	99586499
Trans EPA ID:	CAD009230244
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.1815
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990908
Creation Date:	10/27/1999 0:00:00
Receipt Date:	19990909
Manifest ID:	99586448
Trans EPA ID:	CAD009230244
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.1782
Waste Quantity:	54
Quantity Unit:	G

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990809
Creation Date:	9/23/1999 0:00:00
Receipt Date:	19990812
Manifest ID:	99278934
Trans EPA ID:	CAD000628636
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC950823111
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	10.9564
Waste Quantity:	13
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990727
Creation Date:	9/21/1999 0:00:00
Receipt Date:	19990729
Manifest ID:	99173760
Trans EPA ID:	CAD009230244
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.1782
Waste Quantity:	54
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990605
Creation Date:	7/30/1999 0:00:00
Receipt Date:	19990607

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Manifest ID:	99284124
Trans EPA ID:	CAD000628636
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	121 - Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc
RCRA Code:	D002
Meth Code:	R01 - Recycler
Quantity Tons:	4.17
Waste Quantity:	1000
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19990525
Creation Date:	7/19/1999 0:00:00
Receipt Date:	19990527
Manifest ID:	99244138
Trans EPA ID:	CAD009230244
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.1782
Waste Quantity:	54
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19990505
Creation Date:	7/7/1999 0:00:00
Receipt Date:	19990506
Manifest ID:	99244290
Trans EPA ID:	CAD009230244
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.1815
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2007
Gen EPA ID:	CAD054852439
Shipment Date:	20071228
Creation Date:	3/6/2008 18:30:19
Receipt Date:	20080104
Manifest ID:	003513365JJK
Trans EPA ID:	CAR000047696
Trans Name:	UNIVAR USA INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECH SOLUTIONS-AZUSA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F005
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.363
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	F003
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20071207
Creation Date:	7/3/2008 13:19:54
Receipt Date:	20071207
Manifest ID:	003032797JJK
Trans EPA ID:	CAR000053405
Trans Name:	ISLAND ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	SIEMENS WATER TECHNOLOGIES CORP
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D007
Meth Code:	H135 - Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

	Without Treatment)
Quantity Tons:	1.21347
Waste Quantity:	291
Quantity Unit:	G
Additional Code 1:	D002
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20071113
Creation Date:	2/29/2008 18:30:25
Receipt Date:	20071119
Manifest ID:	003008448JJK
Trans EPA ID:	CAR000047696
Trans Name:	UNIVAR USA INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECH SOLUTIONS-AZUSA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F005
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.1815
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	F003
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20071102
Creation Date:	1/8/2008 18:30:50
Receipt Date:	20071107
Manifest ID:	003008413JJK
Trans EPA ID:	CAR000047696
Trans Name:	UNIVAR USA INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECH SOLUTIONS-AZUSA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F005
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.231
Waste Quantity:	70
Quantity Unit:	G
Additional Code 1:	F003
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Shipment Date:	20071019
Creation Date:	1/8/2008 18:30:22
Receipt Date:	20071025
Manifest ID:	003008277JJK
Trans EPA ID:	CAR000047696
Trans Name:	UNIVAR USA INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECH SOLUTIONS-AZUSA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F005
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.1815
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	F003
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20071012
Creation Date:	3/18/2008 18:30:12
Receipt Date:	20071019
Manifest ID:	003032582JJK
Trans EPA ID:	CAR000053405
Trans Name:	ISLAND ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	GENERAL ENVIRONMENTAL MGMT INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20070731
Creation Date:	11/5/2007 18:30:43
Receipt Date:	20070802
Manifest ID:	003013366JJK
Trans EPA ID:	CAR000047696
Trans Name:	UNIVAR USA INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECH SOLUTIONS-AZUSA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F005
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.5445
Waste Quantity:	165
Quantity Unit:	G
Additional Code 1:	F003
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20070518
Creation Date:	10/10/2007 18:30:08
Receipt Date:	20070524
Manifest ID:	001931750JJK
Trans EPA ID:	CAR000047696
Trans Name:	UNIVAR USA INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECH SOLUTIONS-AZUSA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F005
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.363
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	F003
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20070417
Creation Date:	8/23/2007 18:30:14
Receipt Date:	20070419
Manifest ID:	001930945JJK
Trans EPA ID:	CAR000047696
Trans Name:	UNIVAR USA INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECH SOLUTIONS-AZUSA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F005
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.1815
Waste Quantity:	55

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Quantity Unit:	G
Additional Code 1:	F003
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070327
Creation Date:	8/18/2007 18:30:05
Receipt Date:	20070329
Manifest ID:	001932816JJK
Trans EPA ID:	CAR000047696
Trans Name:	UNIVAR USA INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECH SOLUTIONS-AZUSA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F005
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.363
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	F003
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2004
Gen EPA ID:	CAD054852439
Shipment Date:	20041228
Creation Date:	3/10/2005 14:35:25
Receipt Date:	Not reported
Manifest ID:	24076587
Trans EPA ID:	CAR000047696
Trans Name:	UNIVAR USA INC
Trans 2 EPA ID:	CAR000047696
Trans 2 Name:	UNIVAR USA INC
TSDF EPA ID:	CAD008302903
Trans Name:	ONYX ENV SVCS LLC AZUSA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	- Not reported
Quantity Tons:	0.1815
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Additional Code 5:	Not reported
Shipment Date:	20041214
Creation Date:	3/17/2005 18:34:39
Receipt Date:	20041214
Manifest ID:	24145665
Trans EPA ID:	CAR000053405
Trans Name:	ISLAND ENVIRONMENTAL SERV
Trans 2 EPA ID:	CAD983668583
Trans 2 Name:	CONSOLIDATED WASTE INDUSTRIES
TSDF EPA ID:	CAT080033681
Trans Name:	D/K ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D002
Meth Code:	R01 - Recycler
Quantity Tons:	1.4595
Waste Quantity:	350
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20041124
Creation Date:	3/13/2007 18:30:28
Receipt Date:	20041124
Manifest ID:	23778875
Trans EPA ID:	CAR000053405
Trans Name:	ISLAND ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	D/K ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D002
Meth Code:	R01 - Recycler
Quantity Tons:	1.668
Waste Quantity:	400
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20041123
Creation Date:	2/17/2005 18:32:22
Receipt Date:	20041124
Manifest ID:	24182294
Trans EPA ID:	CAR000047696
Trans Name:	UNIVAR USA INC
Trans 2 EPA ID:	Not reported

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	ONYX ENV SVCS LLC AZUSA
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.363
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20041120
Creation Date:	3/13/2007 18:30:28
Receipt Date:	20041129
Manifest ID:	23778855
Trans EPA ID:	CAR000053405
Trans Name:	ISLAND ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	D/K ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	121 - Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc
RCRA Code:	D002
Meth Code:	R01 - Recycler
Quantity Tons:	0.6255
Waste Quantity:	150
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20041022
Creation Date:	12/31/2004 18:31:40
Receipt Date:	20041028
Manifest ID:	24075401
Trans EPA ID:	CAR000047696
Trans Name:	UNIVAR USA INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	ONYX ENV SVCS LLC AZUSA
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Meth Code:	R01 - Recycler
Quantity Tons:	0.22
Waste Quantity:	440
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040929
Creation Date:	1/6/2005 18:32:03
Receipt Date:	20040930
Manifest ID:	24076087
Trans EPA ID:	CAR000047696
Trans Name:	UNIVAR USA INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	ONYX ENV SVCS LLC AZUSA
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.1749
Waste Quantity:	53
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040914
Creation Date:	12/22/2004 18:31:08
Receipt Date:	20040923
Manifest ID:	23480445
Trans EPA ID:	CAR000053405
Trans Name:	ISLAND ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	491 - Unspecified sludge waste
RCRA Code:	NONE
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Shipment Date:	20040818
Creation Date:	1/4/2005 18:33:27
Receipt Date:	20040825
Manifest ID:	22763509
Trans EPA ID:	CAR000053405
Trans Name:	ISLAND ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	NONE
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.0625
Waste Quantity:	125
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20040817
Creation Date:	1/4/2005 18:32:14
Receipt Date:	20040819
Manifest ID:	23563014
Trans EPA ID:	CAR000047696
Trans Name:	UNIVAR USA INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	ONYX ENV SVCS LLC AZUSA
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.1815
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1994
Gen EPA ID:	CAD054852439

Shipment Date:	19941119
Creation Date:	3/28/1996 0:00:00
Receipt Date:	19941123
Manifest ID:	93301954
Trans EPA ID:	CAD072953771

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD044429835
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19941103
Creation Date:	10/19/1995 0:00:00
Receipt Date:	19941107
Manifest ID:	93757100
Trans EPA ID:	CAD000628636
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.8428
Waste Quantity:	1
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19941014
Creation Date:	3/28/1996 0:00:00
Receipt Date:	19941014
Manifest ID:	93591412
Trans EPA ID:	ILD099202681
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F003

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Meth Code:	R01 - Recycler
Quantity Tons:	0.132
Waste Quantity:	40
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19940628
Creation Date:	3/26/1996 0:00:00
Receipt Date:	19940628
Manifest ID:	90973680
Trans EPA ID:	CAD000628636
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD097030993
TSDF Alt Name:	Not reported
Waste Code Description:	132 - Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals
RCRA Code:	D007
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	7.506
Waste Quantity:	1800
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19940615
Creation Date:	3/26/1996 0:00:00
Receipt Date:	19940615
Manifest ID:	93312765
Trans EPA ID:	ILD099202681
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F003
Meth Code:	R01 - Recycler
Quantity Tons:	0.165
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Additional Code 5:	Not reported
Shipment Date:	19940427
Creation Date:	3/25/1996 0:00:00
Receipt Date:	19940427
Manifest ID:	93531089
Trans EPA ID:	ILD099202681
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F003
Meth Code:	R01 - Recycler
Quantity Tons:	0.165
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19940419
Creation Date:	9/15/1995 0:00:00
Receipt Date:	Not reported
Manifest ID:	93382559
Trans EPA ID:	CAD000628636
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT3300
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.8428
Waste Quantity:	1
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19940411
Creation Date:	10/5/1995 0:00:00
Receipt Date:	19940411
Manifest ID:	90973658
Trans EPA ID:	CAD000628636
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD097030993
TSDF Alt Name:	Not reported
Waste Code Description:	132 - Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals
RCRA Code:	D007
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	14.595
Waste Quantity:	3500
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19940407
Creation Date:	3/25/1996 0:00:00
Receipt Date:	19940407
Manifest ID:	93382492
Trans EPA ID:	CAD000628636
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD097030993
TSDF Alt Name:	Not reported
Waste Code Description:	132 - Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals
RCRA Code:	D007
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	5.838
Waste Quantity:	1400
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19940401
Creation Date:	3/25/1996 0:00:00
Receipt Date:	19940401
Manifest ID:	93530841
Trans EPA ID:	ILD099202681
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F003

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Meth Code:	R01 - Recycler
Quantity Tons:	0.165
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1993
Gen EPA ID:	CAD054852439
Shipment Date:	19931201
Creation Date:	9/14/1995 0:00:00
Receipt Date:	19931201
Manifest ID:	93145824
Trans EPA ID:	ILD099202681
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F003
Meth Code:	R01 - Recycler
Quantity Tons:	0.165
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19931006
Creation Date:	9/13/1995 0:00:00
Receipt Date:	19931006
Manifest ID:	92741077
Trans EPA ID:	CAD000628636
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	723 - Liquids with chromium (VI) > 500 mg/l
RCRA Code:	D007
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	6.672
Waste Quantity:	1600
Quantity Unit:	G
Additional Code 1:	Not reported

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930826
Creation Date:	9/12/1995 0:00:00
Receipt Date:	19930826
Manifest ID:	93157853
Trans EPA ID:	ILD099202681
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F003
Meth Code:	R01 - Recycler
Quantity Tons:	0.165
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930814
Creation Date:	9/12/1995 0:00:00
Receipt Date:	19930814
Manifest ID:	92742159
Trans EPA ID:	CAD000628636
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD097030993
TSDF Alt Name:	Not reported
Waste Code Description:	723 - Liquids with chromium (VI) > 500 mg/l
RCRA Code:	D002
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	7.089
Waste Quantity:	1700
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930709
Creation Date:	9/11/1995 0:00:00
Receipt Date:	19930709
Manifest ID:	92741192

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Trans EPA ID:	CAD000628636
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	723 - Liquids with chromium (VI) > 500 mg/l
RCRA Code:	D007
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	4.17
Waste Quantity:	1000
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930512
Creation Date:	9/7/1995 0:00:00
Receipt Date:	19930512
Manifest ID:	92445031
Trans EPA ID:	CAD008302903
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F003
Meth Code:	R01 - Recycler
Quantity Tons:	0.165
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930430
Creation Date:	9/9/1995 0:00:00
Receipt Date:	19930501
Manifest ID:	92740913
Trans EPA ID:	CAD000628636
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080010101
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080010101
TSDF Alt Name:	Not reported
Waste Code Description:	132 - Aqueous solution w/metals (< restricted levels and see waste

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

code 121 for a list of metals
RCRA Code: D007
Meth Code: H01 - Transfer Station
Quantity Tons: 5.004
Waste Quantity: 1200
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2017
Gen EPA ID: CAD054852439

Shipment Date: 20171201
Creation Date: 10/18/2018 18:30:10
Receipt Date: 20171207
Manifest ID: 009887865FLE
Trans EPA ID: CAD980585293
Trans Name: INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: NVT330010000
Trans Name: US ECOLOGY
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 723 - Liquids with chromium (VI) > 500 mg/l
RCRA Code: D007
Meth Code: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons: 0.4587
Waste Quantity: 110
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20171130
Creation Date: 7/11/2018 18:30:30
Receipt Date: 20171205
Manifest ID: 000887855FLE
Trans EPA ID: CAD980585293
Trans Name: INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: AZR000501510
Trans Name: AA SYDCOL LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 181 - Other inorganic solid waste Organics
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Quantity Tons:	2
Waste Quantity:	4000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171030
Creation Date:	7/12/2018 18:30:29
Receipt Date:	20171101
Manifest ID:	011090394FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	4
Waste Quantity:	8000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171030
Creation Date:	10/16/2018 18:31:51
Receipt Date:	20171107
Manifest ID:	011090395FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	723 - Liquids with chromium (VI) > 500 mg/l
RCRA Code:	D007
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	1.14675
Waste Quantity:	275
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Additional Code 5:	Not reported
Shipment Date:	20171030
Creation Date:	7/12/2018 18:30:29
Receipt Date:	20171101
Manifest ID:	011090394FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171027
Creation Date:	8/1/2018 18:31:24
Receipt Date:	20171106
Manifest ID:	014365030JJK
Trans EPA ID:	CAD983613688
Trans Name:	MILES CHEMICAL COMPANY
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F003
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.04
Waste Quantity:	80
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170919
Creation Date:	7/11/2018 18:32:18
Receipt Date:	20170927
Manifest ID:	011090107FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D002
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	2.2935
Waste Quantity:	550
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170905
Creation Date:	10/18/2018 18:30:10
Receipt Date:	20170915
Manifest ID:	011089986FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D007
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	2.2935
Waste Quantity:	550
Quantity Unit:	G
Additional Code 1:	D002
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170830
Creation Date:	5/21/2018 18:34:34
Receipt Date:	20170831
Manifest ID:	010406633FLE
Trans EPA ID:	CAR000163097
Trans Name:	K-VAC ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	US ECOLOGY VERNON INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	132 - Aqueous solution w/metals (< restricted levels and see waste

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

	code 121 for a list of metals
RCRA Code:	D007
Meth Code:	H070 - Not reported
Quantity Tons:	12.51
Waste Quantity:	3000
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170821
Creation Date:	8/2/2018 18:30:29
Receipt Date:	20170825
Manifest ID:	010871382FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	132 - Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals
RCRA Code:	D007
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	2.2935
Waste Quantity:	550
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2002
Gen EPA ID:	CAD054852439
Shipment Date:	20021227
Creation Date:	4/1/2003 18:31:07
Receipt Date:	20030102
Manifest ID:	22026110
Trans EPA ID:	CAR000047696
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	R01 - Recycler

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Quantity Tons:	0.1815
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20021206
Creation Date:	3/15/2003 18:31:28
Receipt Date:	20021206
Manifest ID:	22010031
Trans EPA ID:	CAD000628636
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D002
Meth Code:	R01 - Recycler
Quantity Tons:	1.251
Waste Quantity:	300
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20021104
Creation Date:	2/10/2003 18:31:16
Receipt Date:	20021104
Manifest ID:	21855025
Trans EPA ID:	CAD000628636
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC950823111
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	11.7992
Waste Quantity:	14
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Shipment Date:	20021023
Creation Date:	2/6/2003 18:31:16
Receipt Date:	20021023
Manifest ID:	21430208
Trans EPA ID:	CAD000628636
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	D99 - Disposal, Other
Quantity Tons:	0.8428
Waste Quantity:	1
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20021022
Creation Date:	2/10/2003 18:31:16
Receipt Date:	20021031
Manifest ID:	22026747
Trans EPA ID:	CAR000047696
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.1782
Waste Quantity:	54
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20020829
Creation Date:	1/28/2003 18:31:46
Receipt Date:	20020904
Manifest ID:	21855911
Trans EPA ID:	CAD000628636
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	R01 - Recycler
Quantity Tons:	0.3753
Waste Quantity:	90
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20020826
Creation Date:	1/28/2003 18:30:41
Receipt Date:	20020829
Manifest ID:	21026189
Trans EPA ID:	CAR000047696
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.1815
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20020806
Creation Date:	3/12/2003 18:31:29
Receipt Date:	20020812
Manifest ID:	21855642
Trans EPA ID:	CAD000628636
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC950823111
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	11.7992
Waste Quantity:	14
Quantity Unit:	Y

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20020723
Creation Date:	9/18/2002 18:32:45
Receipt Date:	20020725
Manifest ID:	21026394
Trans EPA ID:	CAR000047696
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.1815
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20020606
Creation Date:	8/29/2002 18:31:16
Receipt Date:	20020613
Manifest ID:	21864871
Trans EPA ID:	CAR000047696
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.22
Waste Quantity:	440
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2003
Gen EPA ID:	CAD054852439

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Shipment Date:	20031126
Creation Date:	8/9/2004 8:46:56
Receipt Date:	20031126
Manifest ID:	22390981
Trans EPA ID:	CAD000628636
Trans Name:	PATRIOT ENV SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	US FILTER RECOVERY SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D002
Meth Code:	R01 - Recycler
Quantity Tons:	1.4595
Waste Quantity:	350
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20031119
Creation Date:	8/5/2004 10:08:03
Receipt Date:	20031120
Manifest ID:	22764429
Trans EPA ID:	CAR000047696
Trans Name:	UNIVAR USA INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	ONYX ENV SVCS LLC AZUSA
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.22
Waste Quantity:	440
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20031119
Creation Date:	8/9/2004 8:46:56
Receipt Date:	20031119
Manifest ID:	23309670
Trans EPA ID:	CAD000628636
Trans Name:	PATRIOT ENV SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Trans Name:	US FILTER RECOVERY SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D002
Meth Code:	R01 - Recycler
Quantity Tons:	5.838
Waste Quantity:	1400
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20031108
Creation Date:	8/24/2004 10:00:04
Receipt Date:	20031110
Manifest ID:	23309616
Trans EPA ID:	CAD000628636
Trans Name:	PATRIOT ENV SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	DK ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	121 - Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc
RCRA Code:	D002
Meth Code:	R01 - Recycler
Quantity Tons:	1.0425
Waste Quantity:	250
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20031107
Creation Date:	8/20/2004 8:27:39
Receipt Date:	20031113
Manifest ID:	22764554
Trans EPA ID:	CAR000047696
Trans Name:	UNIVAR USA INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	ONYX ENV SVCS LLC AZUSA
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.1749

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Waste Quantity:	53
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20031027
Creation Date:	8/3/2004 15:03:33
Receipt Date:	20031030
Manifest ID:	22764699
Trans EPA ID:	CAR000047696
Trans Name:	UNIVAR USA INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	ONYX ENV SVCS LLC AZUSA
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	Not reported
Waste Quantity:	50
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20031002
Creation Date:	8/3/2004 15:00:31
Receipt Date:	20031009
Manifest ID:	22751023
Trans EPA ID:	CAR000047696
Trans Name:	UNIVAR USA INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	ONYX ENV SVCS LLC AZUSA
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.1254
Waste Quantity:	38
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030924

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Creation Date:	8/3/2004 15:00:31
Receipt Date:	20030925
Manifest ID:	22751135
Trans EPA ID:	CAR000047696
Trans Name:	UNIVAR USA INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	ONYX ENV SVCS LLC AZUSA
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.1815
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20030909
Creation Date:	7/29/2004 7:46:19
Receipt Date:	20030911
Manifest ID:	22859272
Trans EPA ID:	CAR000047696
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.099
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20030825
Creation Date:	7/29/2004 7:44:50
Receipt Date:	20030828
Manifest ID:	22859466
Trans EPA ID:	CAR000047696
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.3564
Waste Quantity:	108
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2009
Gen EPA ID:	CAD054852439
Shipment Date:	20091125
Creation Date:	1/21/2010 8:44:00
Receipt Date:	20091125
Manifest ID:	003053572FLE
Trans EPA ID:	CAR000053405
Trans Name:	ISLAND ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	SIEMENS WATER TECHNOLOGIES CORP
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D007
Meth Code:	H071 - Chemical Reduction With Or Without Precipitation
Quantity Tons:	2.919
Waste Quantity:	700
Quantity Unit:	G
Additional Code 1:	D002
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20091110
Creation Date:	1/11/2010 18:30:16
Receipt Date:	20091113
Manifest ID:	006074782JJK
Trans EPA ID:	CAR000047696
Trans Name:	UNIVAR USA INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECH SOLUTIONS-AZUSA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F005
Meth Code:	H020 - Solvents Recovery

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Quantity Tons:	0.165
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	F003
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20091006
Creation Date:	11/25/2009 18:30:17
Receipt Date:	20091007
Manifest ID:	004863862JJK
Trans EPA ID:	CAR000047696
Trans Name:	UNIVAR USA INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECH SOLUTIONS-AZUSA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F005
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.2805
Waste Quantity:	85
Quantity Unit:	G
Additional Code 1:	F003
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090922
Creation Date:	11/3/2009 18:30:29
Receipt Date:	20090925
Manifest ID:	006075354JJK
Trans EPA ID:	CAR000047696
Trans Name:	UNIVAR USA INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECH SOLUTIONS-AZUSA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F005
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.1815
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	F003
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Shipment Date:	20090817
Creation Date:	9/25/2009 18:30:20
Receipt Date:	20090821
Manifest ID:	006075229JJK
Trans EPA ID:	CAR000047696
Trans Name:	UNIVAR USA INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECH SOLUTIONS-AZUSA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F005
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.1485
Waste Quantity:	45
Quantity Unit:	G
Additional Code 1:	F003
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20090721
Creation Date:	8/20/2009 18:30:09
Receipt Date:	20090724
Manifest ID:	006074114JJK
Trans EPA ID:	CAR000047696
Trans Name:	UNIVAR USA INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECH SOLUTIONS-AZUSA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F005
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.264
Waste Quantity:	80
Quantity Unit:	G
Additional Code 1:	F003
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20090609
Creation Date:	7/14/2009 18:30:37
Receipt Date:	20090612
Manifest ID:	004865719JJK
Trans EPA ID:	CAR000047696
Trans Name:	UNIVAR USA INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS-AZUSA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F005
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.1815
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	F003
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090526
Creation Date:	10/6/2009 18:30:28
Receipt Date:	20090605
Manifest ID:	006006571JJK
Trans EPA ID:	CAD983649880
Trans Name:	GENERAL ENVIRONMENTAL MANAGEMENT
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	D001
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	1.0425
Waste Quantity:	250
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090526
Creation Date:	10/6/2009 18:30:28
Receipt Date:	20090605
Manifest ID:	006006571JJK
Trans EPA ID:	CAD983649880
Trans Name:	GENERAL ENVIRONMENTAL MANAGEMENT
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.075

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090526
Creation Date:	10/6/2009 18:30:28
Receipt Date:	20090605
Manifest ID:	006006571JJK
Trans EPA ID:	CAD983649880
Trans Name:	GENERAL ENVIRONMENTAL MANAGEMENT
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.0875
Waste Quantity:	175
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	DANCO ANODIZING DBA DANCO METAL SURFACING
Address:	44 LA PORTE ST
Address 2:	Not reported
City,State,Zip:	ARCADIA, CA 910060000
EPA ID:	CAD054852439
Inactive Date:	Not reported
Create Date:	07/23/1982
Last Act Date:	07/28/2020
Mailing Name:	Not reported
Mailing Address:	PO BOX 660727
Mailing Address 2:	Not reported
Mailing City,State,Zip:	ARCADIA, CA 910660000
Owner Name:	DANCO ANODIZING, INC
Owner Address:	PO BOX 660727
Owner Address 2:	Not reported
Owner City,State,Zip:	ARCADIA, CA 910660000
Contact Name:	JEFF CLARK
Contact Address:	PO BOX 660727
Contact Address 2:	Not reported
City,State,Zip:	ARCADIA, CA 91066

NAICS:

EPA ID:	CAD054852439

DANCO ANODIZING DBA DANCO METAL SURFACING (Continued) **S123815905**

Create Date:	2002-03-14 16:36:26.000
NAICS Code:	332813
NAICS Description:	Electroplating, Plating, Polishing, Anodizing, and Coloring
Issued EPA ID Date:	1982-07-23 00:00:00
Inactive Date:	Not reported
Facility Name:	DANCO ANODIZING DBA DANCO METAL SURFACING
Facility Address:	44 LA PORTE ST
Facility Address 2:	Not reported
Facility City:	ARCADIA
Facility County:	Not reported
Facility State:	CA
Facility Zip:	910060000

EPA ID:	CAD054852439
Create Date:	2002-03-14 16:36:26.000
NAICS Code:	332813
NAICS Description:	Electroplating, Plating, Polishing, Anodizing, and Coloring
Issued EPA ID Date:	1982-07-23 00:00:00
Inactive Date:	Not reported
Facility Name:	DANCO ANODIZING DBA DANCO METAL SURFACING
Facility Address:	44 LA PORTE ST
Facility Address 2:	Not reported
Facility City:	ARCADIA
Facility County:	Not reported
Facility State:	CA
Facility Zip:	910060000

M62 **TROTTER APARTMENTS** **SEMS** **1001491822**
NE **829 W. OLIVE AVENUE** **CASFN0905476**
1/4-1/2 **MONROVIA, CA 91016**
0.438 mi.
2313 ft. **Site 1 of 2 in cluster M**

Relative:
Higher

Actual:
488 ft.

SEMS:

Site ID:	0905476
EPA ID:	CASFN0905476
Name:	TROTTER APARTMENTS
Address:	829 W. OLIVE AVENUE
Address 2:	Not reported
City,State,Zip:	MONROVIA, CA 91016
Cong District:	Not reported
FIPS Code:	06037
Latitude:	Not reported
Longitude:	Not reported
FF:	N
NPL:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

SEMS Detail:

Region:	09
Site ID:	0905476
EPA ID:	CASFN0905476
Site Name:	TROTTER APARTMENTS
NPL:	N
FF:	N
OU:	00
Action Code:	DS

TROTTER APARTMENTS (Continued) **1001491822**

Action Name:	DISCVRY
SEQ:	1
Start Date:	1998-12-03 05:00:00
Finish Date:	12/3/1998 5:00:00 AM
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0905476
EPA ID:	CASFN0905476
Site Name:	TROTTER APARTMENTS
NPL:	N
FF:	N
OU:	00
Action Code:	OO
Action Name:	SITE REASS
SEQ:	1
Start Date:	2019-07-01 05:00:00
Finish Date:	10/11/2019 5:00:00 AM
Qual:	N
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0905476
EPA ID:	CASFN0905476
Site Name:	TROTTER APARTMENTS
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	2000-08-15 04:00:00
Finish Date:	6/16/2001 4:00:00 AM
Qual:	W
Current Action Lead:	St Perf

M63 **TROTTER APARTMENTS** **RESPONSE** **S106076586**
NE **827/829 W OLIVE AVE & 832 W COLORADO BLV** **ENVIROSTOR** **N/A**
1/4-1/2 **MONROVIA, CA 91016** **HIST Cal-Sites**
0.457 mi. **CERS**
2415 ft. **Site 2 of 2 in cluster M**

Relative: **Higher**

Actual: **489 ft.**

RESPONSE:

Name:	TROTTER APARTMENTS
Address:	827/829 W OLIVE AVE & 832 W COLORADO BLV
City,State,Zip:	MONROVIA, CA 91016
Facility ID:	19000008
Site Type:	State Response
Site Type Detail:	State Response or NPL
Acres:	1
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP, US EPA, LOS ANGELES COUNTY
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Not reported
Supervisor:	Jose Diaz
Division Branch:	Cleanup Chatsworth

TROTTER APARTMENTS (Continued) **S106076586**

Site Code:	300742
Site Mgmt. Req.:	NONE SPECIFIED
Assembly:	41
Senate:	25
Special Program Status:	EPA - PASI
Status:	Certified
Status Date:	08/09/2005
Restricted Use:	NO
Funding:	Orphan Funds
Latitude:	34.14509
Longitude:	-118.0166
APN:	8506024015, 8506024021, 8506024026
Past Use:	BATTERY RECLAMATION, BATTERY STORAGE
Potential COC :	Lead
Confirmed COC:	NONE SPECIFIED
Potential Description:	SOIL
Alias Name:	BARTH'S BATTERY SHOP
Alias Type:	Alternate Name
Alias Name:	SAME
Alias Type:	Alternate Name
Alias Name:	8506024015
Alias Type:	APN
Alias Name:	8506024021
Alias Type:	APN
Alias Name:	8506024026
Alias Type:	APN
Alias Name:	CASFN0905476
Alias Type:	CERCLIS ID
Alias Name:	CASFN0905476
Alias Type:	EPA Identification Number
Alias Name:	110033609726
Alias Type:	EPA (FRS #)
Alias Name:	300742
Alias Type:	Project Code (Site Code)
Alias Name:	19000008
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Removal Action Completion Report
Completed Date:	01/07/2004
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Removal Action Workplan
Completed Date:	04/29/2003
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Design/Implementation Workplan
Completed Date:	05/21/2003
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported

TROTTER APARTMENTS (Continued) **S106076586**

Completed Document Type: Removal Action Workplan
Completed Date: 12/17/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 09/13/2019
Comments: Done

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 04/29/2003
Comments: Lead contaminated soils still exist at the site, but are not considered a threat to human health nor the environment because those areas are either covered by building structures, driveway, or sidewalks. Final Removal Action Completion Report approved with supplemental information provided by DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Triage Meeting
Completed Date: 06/17/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Imminent and/or Subst. Endangerment Determination
Completed Date: 02/11/2003
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

ENVIROSTOR:
Name: TROTTER APARTMENTS
Address: 827/829 W OLIVE AVE & 832 W COLORADO BLV
City,State,Zip: MONROVIA, CA 91016
Facility ID: 19000008
Status: Certified
Status Date: 08/09/2005
Site Code: 300742
Site Type: State Response
Site Type Detailed: State Response or NPL
Acres: 1
NPL: NO
Regulatory Agencies: SMBRP, US EPA, LOS ANGELES COUNTY
Lead Agency: SMBRP
Program Manager: Not reported

TROTTER APARTMENTS (Continued) **S106076586**

Supervisor: Jose Diaz
Division Branch: Cleanup Chatsworth
Assembly: 41
Senate: 25
Special Program: EPA - PASI
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Orphan Funds
Latitude: 34.14509
Longitude: -118.0166
APN: 8506024015, 8506024021, 8506024026
Past Use: BATTERY RECLAMATION, BATTERY STORAGE
Potential COC: Lead
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL
Alias Name: BARTH'S BATTERY SHOP
Alias Type: Alternate Name
Alias Name: SAME
Alias Type: Alternate Name
Alias Name: 8506024015
Alias Type: APN
Alias Name: 8506024021
Alias Type: APN
Alias Name: 8506024026
Alias Type: APN
Alias Name: CASFN0905476
Alias Type: CERCLIS ID
Alias Name: CASFN0905476
Alias Type: EPA Identification Number
Alias Name: 110033609726
Alias Type: EPA (FRS #)
Alias Name: 300742
Alias Type: Project Code (Site Code)
Alias Name: 19000008
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 01/07/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 04/29/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 05/21/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan

TROTTER APARTMENTS (Continued) **S106076586**

Completed Date: 12/17/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 09/13/2019
Comments: Done

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 04/29/2003
Comments: Lead contaminated soils still exist at the site, but are not considered a threat to human health nor the environment because those areas are either covered by building structures, driveway, or sidewalks. Final Removal Action Completion Report approved with supplemental information provided by DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Triage Meeting
Completed Date: 06/17/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Imminent and/or Subst. Endangerment Determination
Completed Date: 02/11/2003
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Calsite:
Name: TROTTER APARTMENTS
Address: 827/829 W OLIVE AVE & 832 W COLORADO BLV
City: MONROVIA
Region: GLENDALE
Facility ID: 19000008
Facility Type: STATE
Type: STATE FUNDED SITE
Branch: SA
Branch Name: SO CAL - GLENDALE
File Name: SAME
State Senate District: 07012002
Status: ANNUAL WORKPLAN (AWP) - ACTIVE SITE
Status Name: ANNUAL WORKPLAN - ACTIVE SITE
Lead Agency: DEPT OF TOXIC SUBSTANCES CONTROL
NPL: Not Listed

TROTTER APARTMENTS (Continued) **S106076586**

SIC Code:	00
SIC Name:	PROPERTIES THAT DO NOT HAVE SIC CODES
Access:	Not reported
Cortese:	Not reported
Hazardous Ranking Score:	Not reported
Date Site Hazard Ranked:	Not reported
Groundwater Contamination:	Not reported
Staff Member Responsible for Site:	RKRUG
Supervisor Responsible for Site:	Not reported
Region Water Control Board:	Not reported
Region Water Control Board Name:	Not reported
Lat/Long Direction:	Not reported
Lat/Long (dms):	0 0 0 / 0 0 0
Lat/long Method:	Not reported
Lat/Long Description:	Not reported
State Assembly District Code:	59
State Senate District Code:	29
Facility ID:	19000008
Activity:	CEQA
Activity Name:	CEQA INCLUDING NEGATIVE DECS
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	04292003
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19000008
Activity:	RAW
Activity Name:	REMOVAL ACTION WORKPLAN
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	04292003
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported

TROTTER APARTMENTS (Continued) **S106076586**

Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19000008
Activity:	RA
Activity Name:	REMOVAL ACTION
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	01072004
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	214
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	N
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0.50000
Unknown Type:	0
Alternate Address:	829 WEST OLIVE AVE.
Alternate City,St,Zip:	MONROVIA, CA 91016
Alternate Address:	831 WEST OLIVE AVENUE
Alternate City,St,Zip:	MONROVIA
Alternate Address:	827 WEST OLIVE AVENUE
Alternate City,St,Zip:	MONROVIA
Alternate Address:	832 WEST COLORADO BLVD
Alternate City,St,Zip:	MONROVIA
Alternate Address:	829 WEST OLIVE AVENUE
Alternate City,St,Zip:	MONROVIA
Alternate Address:	827/829 W OLIVE AVE & 832 W COLORADO BLV
Alternate City,St,Zip:	NROVIA, CA 91016
Alternate Address:	827/829 W OLIVE AVE & 832 W COLORADO BLV
Alternate City,St,Zip:	MONROVIA, CA 91016
Background Info:	This lead contaminated Site has been a joint project between LA County, US-EPA, and DTSC, with DTSC now as the Lead Agency. The Site originally consisted of five properties; 827, 829, 831 Olive Avenue and 824, 832 Colorado Blvd; but now two properties, 831 Olive and the 824 Colorado are determined clean. Lead contamination exists in sols from 0-2 and the contamination was probably from Barth's Battery Shop which was located on 832 Colorado Blvd. in the 1930s. In the 1930s the Olive Avenue properties were a vacant lot. The battery shop probably disposed their battery waste beind the business as pieces of battery casings have been found in Site

TROTTER APARTMENTS (Continued) **S106076586**

soils. In the 1960s the Olive Avenue vacant lot was developed with the current residential buildings which were built on top of the battery waste. Grading of the lot prior to construction probably spread the lead waste throughout the properties.
Not reported
DTSC sampled in May and October 2001 to define the vertical and lateral extent of the lead contamination. DTSC then conducted an Emergency Removal Action in January 2002 to remove surface soils contaminated with lead that may pose a health risk to residents. After this action the 824 Colorado Blvd address was determined cleaned as only a small area in the southwest corner of the property needed excavation. In May 2003 DTSC conducted a Removal Action to remove the remaining lead contaminated soil that was not covered by structures or paving. After this action the 831 Olive Avenue was determined cleaned as only a small area on the south western lot was excavated.
Not reported
DTSC believes that the health risk has been removed at the Site. Lead contaminated soil still exists there, but the areas where lead contaminated soil exists are either covered by concrete, asphalt, or building structures, and therefore do not pose a risk to human health or the environment.

Comments Date: 01072004
Comments: Lead contaminated soils still exist at the site, but are not
Comments Date: 01072004
Comments: considered a threat to human health nor the environment
Comments Date: 01072004
Comments: because those areas are either covered by building structures,
Comments Date: 01072004
Comments: driveway, or sidewalks.
Comments Date: 01072004
Comments: Not reported
Comments Date: 01072004
Comments: Final Removal Action Completion Report approved with
Comments Date: 01072004
Comments: supplemental information provided by DTSC.
Comments Date: 01252002
Comments: Five more locations were sampled at one adjacent property to
Comments Date: 01252002
Comments: clarify a previous abnormal hit. These samples discounted the
Comments Date: 01252002
Comments: previous hit and showed that there was not a problem with
Comments Date: 01252002
Comments: this property.
Comments Date: 02012002
Comments: 01/30-02/01/02 fifty five samples taken during a Removal Action.
Comments Date: 02062002
Comments: Removal Action completed. About 80 cubic yards were removed,
Comments Date: 02062002
Comments: most of which were in the backyard of 827 Olive Ave. Minor
Comments Date: 02062002
Comments: areas in 829 and 831 Olive Ave., and 824 and 832 Colorodo Blvd.
Comments Date: 02062002
Comments: were also removed. New replacement plants and a slurry coat
Comments Date: 02062002
Comments: to the 827 Olive Ave.a driveway were done.

TROTTER APARTMENTS (Continued) **S106076586**

Comments Date:	03032003
Comments:	Thirty day Comment Period starts for the RAW.
Comments Date:	03292002
Comments:	Landscaper filled and leveled excavation area, at 827 Olive per
Comments Date:	03292002
Comments:	owners request. Cost of $1500.
Comments Date:	04292003
Comments:	CEQA NOE has completed its 35 day posting without challange.
Comments Date:	04292003
Comments:	Not reported
Comments Date:	04292003
Comments:	Approved final RAW, there were no comments presented in the
Comments Date:	04292003
Comments:	30 day comment period.
Comments Date:	05062002
Comments:	Paver repaired and re-surfaced part of the driveway at 827
Comments Date:	05062002
Comments:	Olive. Cost of $1100.
Comments Date:	05092001
Comments:	Initial sampling of the area was done under the Site Screening
Comments Date:	05092001
Comments:	program. 10 locations were sampled, with a high of 4,700 ppm
Comments Date:	05092001
Comments:	of lead.
Comments Date:	05282003
Comments:	Removal Actions starts. Excavate soils at 827,829,831 Olive
Comments Date:	05282003
Comments:	& at 832 Colorado. Demo & reconcrete 2 patios & driveway at
Comments Date:	05282003
Comments:	829 Olive, re-asphalt driveway at 827 Olive, asphalt east rear
Comments Date:	05282003
Comments:	park area at 832 Colorado. Relandscape 824 & 829 Olive,
Comments Date:	05282003
Comments:	spot removal at 831 Olive.
Comments Date:	06252003
Comments:	Finish Removal Action except for minor landscape issues & small
Comments Date:	06252003
Comments:	pave area.
Comments Date:	07012002
Comments:	Received $200,000 of Orphan Fund money to clean up near surface
Comments Date:	07012002
Comments:	soils that may be a threat to human health.
Comments Date:	08142003
Comments:	Draft Removal Action Completion Report by Performance Excavators.
Comments Date:	08142003
Comments:	Not reported
Comments Date:	10122001
Comments:	Under the Preliminary Assessment Program, 21 more locations were
Comments Date:	10122001
Comments:	sampled including adjacent properties, with a high of 18,800 ppm.
Comments Date:	10312001
Comments:	Four locations were sampled, with a high of 1,500 ppm.
ID Name:	Not reported
ID Value:	Not reported
Alternate Name:	TROTTER APARTMENTS
Alternate Name:	SAME
Alternate Name:	BARTH'S BATTERY SHOP

TROTTER APARTMENTS (Continued) **S106076586**

Alternate Name: Not reported
Special Programs Code: Not reported
Special Programs Name: Not reported

CERS:
Name: TROTTER APARTMENTS
Address: 827/829 W OLIVE AVE & 832 W COLORADO BLV
City,State,Zip: MONROVIA, CA 91016
Site ID: 344049
CERS ID: 19000008
CERS Description: State Response

Affiliation:
Affiliation Type Desc: Supervisor
Entity Name: Philip Chandler
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Lead Project Manager
Entity Name: JESS VILLAMAYOR
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

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64 **PROPOSED SCHOOL ADDITIONS** **ENVIROSTOR** **S109149558**
NE **845 WEST COLORADO BOULEVARD** **SCH** **N/A**
1/4-1/2 **MONROVIA, CA 91016**
0.478 mi.
2526 ft.

Relative:
Higher

Actual:
492 ft.

ENVIROSTOR:
Name: PROPOSED SCHOOL ADDITIONS
Address: 845 WEST COLORADO BOULEVARD
City,State,Zip: MONROVIA, CA 91016
Facility ID: 60000934
Status: No Further Action
Status Date: 01/21/2009
Site Code: 304607
Site Type: School Investigation
Site Type Detailed: School
Acres: 1.1
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 41

PROPOSED SCHOOL ADDITIONS (Continued) **S109149558**

Senate: 25
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 34.14569
Longitude: -118.0171
APN: 8505027900
Past Use: AGRICULTURAL - ROW CROPS, SCHOOL - HIGH SCHOOL
Potential COC: Arsenic Chlordane DDD DDE DDT Endrin Lead Toxaphene
Confirmed COC: 30001-NO 30004-NO 30023-NO 30013-NO 30006-NO 30007-NO 30008-NO 30010-NO
Potential Description: SOIL
Alias Name: 8505027900
Alias Type: APN
Alias Name: 304607
Alias Type: Project Code (Site Code)
Alias Name: 60000934
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 08/04/2008
Comments: Signed agreement sent to District by regular mail.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 01/21/2009
Comments: DTSC prepared a Cost Recovery Unit project close out memorandum

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 07/21/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 10/02/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 01/22/2009
Comments: DTSC concurred with the PEA recommendation of No Further Action.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported

PROPOSED SCHOOL ADDITIONS (Continued) **S109149558**

Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Name: PROPOSED SCHOOL ADDITIONS
Address: 845 WEST COLORADO BOULEVARD
City,State,Zip: MONROVIA, CA 91016
Facility ID: 60000934
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 1.1
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 304607
Assembly: 41
Senate: 25
Special Program Status: Not reported
Status: No Further Action
Status Date: 01/21/2009
Restricted Use: NO
Funding: School District
Latitude: 34.14569
Longitude: -118.0171
APN: 8505027900
Past Use: AGRICULTURAL - ROW CROPS, SCHOOL - HIGH SCHOOL
Potential COC: Arsenic, Chlordane, DDD, DDE, DDT, Endrin, Lead, Toxaphene
Confirmed COC: 30001-NO, 30004-NO, 30023-NO, 30013-NO, 30006-NO, 30007-NO, 30008-NO, 30010-NO
Potential Description: SOIL
Alias Name: 8505027900
Alias Type: APN
Alias Name: 304607
Alias Type: Project Code (Site Code)
Alias Name: 60000934
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 08/04/2008
Comments: Signed agreement sent to District by regular mail.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 01/21/2009
Comments: DTSC prepared a Cost Recovery Unit project close out memorandum

Completed Area Name: PROJECT WIDE

PROPOSED SCHOOL ADDITIONS (Continued) **S109149558**

Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 07/21/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 10/02/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 01/22/2009
Comments: DTSC concurred with the PEA recommendation of No Further Action.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

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65 WNW 1/2-1 0.558 mi. 2944 ft.

TRANSAMERICA DELAVAL BARKSDALE
333 NORTH SANTA ANITA DRIVE, SUITE 9
ARCADIA, CA 91006

ENVIROSTOR **S102860888**
N/A

Relative: Higher

Actual: 502 ft.

ENVIROSTOR:
Name: TRANSAMERICA DELAVAL BARKSDALE
Address: 333 NORTH SANTA ANITA DRIVE, SUITE 9
City,State,Zip: ARCADIA, CA 91006
Facility ID: 19360517
Status: Refer: Other Agency
Status Date: 05/01/1984
Site Code: Not reported
Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: * Mmonroy
Division Branch: Cleanup Chatsworth
Assembly: 49
Senate: 22
Special Program: * RCRA 3012 - Past Haz Waste Disp Inven Site
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 34.14445
Longitude: -118.0322

TRANSAMERICA DELAVAL BARKSDALE (Continued) **S102860888**

APN: 5775022006
Past Use: NONE SPECIFIED
Potential COC: * OXYGENATED SOLVENTS * ACID SOLUTION 2>PH WITH METALS * UNSPECIFIED SOLVENT MIXTURES Chromium VI
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: SHAFER ENGINEERING
Alias Type: Alternate Name
Alias Name: 5775022006
Alias Type: APN
Alias Name: CAT000646349
Alias Type: EPA Identification Number
Alias Name: 19360517
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 10/25/1994
Comments: Database verification project confirms NFA for DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 05/01/1984
Comments: INSPECTION(LOCAL) ANNUAL FIRE & BUREAU OF SANITATION INSP. SOURCE ACT: T/C W/ L.NELSON,TRANSAMERICA 213-589-6181 4/25/84 - MFG CONTROL DEVIC ACCORDING TO SHAFER TRANSAMERICA, IN- CINERATE SOLVENTS IN A DIFFUSION FURNACE SUBMIT TO EPA PRELIM ASSESS DONE RCRA 3012

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 10/11/1983
Comments: FACILITY IDENTIFIED ID FROM ERRIS

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

N66 **ROSS FIELD** **FUDS** **1024904086**
WSW **N/A**
1/2-1 **LOS ANGELES, CA**
0.936 mi.
4941 ft. **Site 1 of 2 in cluster N**

Relative:
Lower

Actual:
443 ft.

FUDS:
EPA Region: 09
Installation ID: CA99799FA46200
Congressional District Number: 27
Facility Name: ROSS FIELD

ROSS FIELD (Continued) **1024904086**

FUDS Number:	J09CA7435
City:	LOS ANGELES
State:	CA
County:	LOS ANGELES
Object ID:	6886
USACE District:	Los Angeles District (SPL)
Status:	Properties without projects
Current Owner:	Not reported
EMS Map Link:	https://fudsportal.usace.army.mil/ems/ems/inventory/map/map?id=63171
Eligibility:	Eligible
Has Projects:	No
NPL Status:	Not Listed
Latitude:	34.1333333299999
Longitude:	-118.037499999999

N67 **ROSS FIELD** **ENVIROSTOR** **S107737173**
WSW **N/A**
1/2-1 **ARCADIA, CA**
0.936 mi.
4942 ft. **Site 2 of 2 in cluster N**

Relative: **Lower**

Actual: **443 ft.**

ENVIROSTOR:

Name:	ROSS FIELD
Address:	Not reported
City,State,Zip:	ARCADIA, CA
Facility ID:	80001133
Status:	Inactive - Needs Evaluation
Status Date:	07/01/2005
Site Code:	Not reported
Site Type:	Military Evaluation
Site Type Detailed:	FUDS
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Douglas Bautista
Division Branch:	Cleanup Cypress
Assembly:	49
Senate:	22
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	DERA
Latitude:	34.13333
Longitude:	-118.0374
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CA99799FA46200
Alias Type:	Federal Facility ID
Alias Name:	J09CA7435
Alias Type:	INPR
Alias Name:	80001133
Alias Type:	Envirostor ID Number

ROSS FIELD (Continued) **S107737173**

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Inventory Project Report (INPR)
Completed Date:	09/27/1999
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

Count: 2 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
MONROVIA	S125242579	ALEXAN MONROVIA	SW CORNER OF S. MAGNOLIA & W.	91016	ENVIROSTOR, VCP
MONROVIA	S127035000	THE HALE CORPORATION	840 HUNTINGTON DR	91016	LUST

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 01/14/2021
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 01/14/2021
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 01/14/2021
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 04/03/2019
Date Data Arrived at EDR: 04/05/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 12/23/2020
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 35

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 01/14/2021
Next Scheduled EDR Contact: 04/26/2021
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 35

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 01/14/2021
Next Scheduled EDR Contact: 04/26/2021
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/14/2020
Date Data Arrived at EDR: 12/17/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 5

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/17/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 12/14/2020
Date Data Arrived at EDR: 12/17/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 5

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/17/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/14/2020
Date Data Arrived at EDR: 12/17/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 5

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/17/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 12/14/2020
Date Data Arrived at EDR: 12/17/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 5

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/17/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/14/2020
Date Data Arrived at EDR: 12/17/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 5

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/17/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 11/11/2020
Date Data Arrived at EDR: 11/17/2020
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 84

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 02/08/2021
Next Scheduled EDR Contact: 05/24/2021
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 10/28/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 11/18/2020
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/23/2021
Next Scheduled EDR Contact: 06/06/2021
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 10/28/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 11/18/2020
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/23/2021
Next Scheduled EDR Contact: 06/06/2021
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/14/2020
Date Data Arrived at EDR: 12/15/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 7

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 12/15/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 10/26/2020
Date Data Arrived at EDR: 10/26/2020
Date Made Active in Reports: 01/13/2021
Number of Days to Update: 79

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/26/2021
Next Scheduled EDR Contact: 05/10/2021
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 10/26/2020
Date Data Arrived at EDR: 10/26/2020
Date Made Active in Reports: 01/13/2021
Number of Days to Update: 79

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/26/2021
Next Scheduled EDR Contact: 05/10/2021
Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 11/09/2020
Date Data Arrived at EDR: 11/10/2020
Date Made Active in Reports: 01/14/2021
Number of Days to Update: 65

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 02/09/2021
Next Scheduled EDR Contact: 05/24/2021
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST REG 8: Leaking Underground Storage Tanks
California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing
For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 1: Active Toxic Site Investigation
Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List
Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List
Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)
Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/04/2020
Date Data Arrived at EDR: 12/04/2020
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 76

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Quarterly

LUST REG 9: Leaking Underground Storage Tank Report
Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 04/08/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/14/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/29/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 04/14/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 04/14/2020
Date Data Arrived at EDR: 05/26/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 78
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/15/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/08/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/14/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)
Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/04/2020
Date Data Arrived at EDR: 12/04/2020
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 76
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35
Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36
Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11
Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17
Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: No Update Planned

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 07/21/2020
Date Data Arrived at EDR: 09/03/2020
Date Made Active in Reports: 11/25/2020
Number of Days to Update: 83
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 01/04/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Varies

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases
UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 12/02/2020
Date Data Arrived at EDR: 12/08/2020
Date Made Active in Reports: 02/23/2021
Number of Days to Update: 77
Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 12/08/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Varies

MILITARY UST SITES: Military UST Sites (GEOTRACKER)
Military ust sites

Date of Government Version: 12/04/2020
Date Data Arrived at EDR: 12/04/2020
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 76
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Varies

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 12/04/2020
Date Data Arrived at EDR: 12/04/2020
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 76
Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities
A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69
Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 12/09/2020
Next Scheduled EDR Contact: 03/29/2021
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/03/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 04/08/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84
Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/14/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 12/15/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/29/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 04/14/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 85

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 04/14/2020
Date Data Arrived at EDR: 05/26/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 78

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 04/08/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/14/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 12/15/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties
Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 10/26/2020
Date Data Arrived at EDR: 10/26/2020
Date Made Active in Reports: 01/13/2021
Number of Days to Update: 79

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/26/2021
Next Scheduled EDR Contact: 05/10/2021
Data Release Frequency: Quarterly

State and tribal Brownfields sites

BROWNFIELDS: Considered Brownfieds Sites Listing
A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 09/21/2020
Date Data Arrived at EDR: 09/22/2020
Date Made Active in Reports: 12/11/2020
Number of Days to Update: 80

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 12/17/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 12/11/2020
Date Data Arrived at EDR: 12/11/2020
Date Made Active in Reports: 03/02/2021
Number of Days to Update: 81

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 12/11/2020
Next Scheduled EDR Contact: 03/29/2021
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database
Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 01/25/2021
Next Scheduled EDR Contact: 05/10/2021
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 12/07/2020
Date Data Arrived at EDR: 12/08/2020
Date Made Active in Reports: 02/22/2021
Number of Days to Update: 76

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 12/08/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 11/23/2020
Date Data Arrived at EDR: 11/23/2020
Date Made Active in Reports: 02/08/2021
Number of Days to Update: 77

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 02/08/2021
Next Scheduled EDR Contact: 05/24/2021
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 01/25/2021
Next Scheduled EDR Contact: 05/10/2021
Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 01/19/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 01/29/2021
Next Scheduled EDR Contact: 05/10/2021
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 12/07/2020
Date Data Arrived at EDR: 12/09/2020
Date Made Active in Reports: 03/02/2021
Number of Days to Update: 83

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/22/2021
Next Scheduled EDR Contact: 06/06/2021
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 10/26/2020
Date Data Arrived at EDR: 10/26/2020
Date Made Active in Reports: 01/13/2021
Number of Days to Update: 79

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/26/2021
Next Scheduled EDR Contact: 05/10/2021
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 06/30/2019
Date Data Arrived at EDR: 05/28/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 01/19/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Varies

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

CERS HAZ WASTE: CERS HAZ WASTE

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

Date of Government Version: 10/19/2020
Date Data Arrived at EDR: 10/19/2020
Date Made Active in Reports: 01/07/2021
Number of Days to Update: 80

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 01/20/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Quarterly

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 12/07/2020
Date Data Arrived at EDR: 12/09/2020
Date Made Active in Reports: 03/02/2021
Number of Days to Update: 83

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/22/2021
Next Scheduled EDR Contact: 06/06/2021
Data Release Frequency: Quarterly

PFAS: PFAS Contamination Site Location Listing

A listing of PFAS contaminated sites included in the GeoTracker database.

Date of Government Version: 12/07/2020
Date Data Arrived at EDR: 12/08/2020
Date Made Active in Reports: 02/22/2021
Number of Days to Update: 76

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 02/24/2021
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Varies

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 05/20/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/06/2020
Number of Days to Update: 78

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 02/22/2021
Next Scheduled EDR Contact: 06/06/2021
Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing
Aboveground storage tank sites

Date of Government Version: 11/05/2020
Date Data Arrived at EDR: 11/06/2020
Date Made Active in Reports: 01/26/2021
Number of Days to Update: 81

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 02/01/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: Varies

CERS TANKS: California Environmental Reporting System (CERS) Tanks
List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 10/19/2020
Date Data Arrived at EDR: 10/19/2020
Date Made Active in Reports: 01/07/2021
Number of Days to Update: 80

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 01/20/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Quarterly

CA FID UST: Facility Inventory Database
The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Local Land Records

LIENS: Environmental Liens Listing
A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 11/24/2020
Date Data Arrived at EDR: 11/30/2020
Date Made Active in Reports: 02/10/2021
Number of Days to Update: 72

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/26/2021
Next Scheduled EDR Contact: 06/14/2021
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information
A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 35

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 01/14/2021
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 11/30/2020
Date Data Arrived at EDR: 12/01/2020
Date Made Active in Reports: 02/12/2021
Number of Days to Update: 73

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 03/03/2021
Next Scheduled EDR Contact: 06/14/2021
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 09/20/2020
Date Data Arrived at EDR: 09/22/2020
Date Made Active in Reports: 12/14/2020
Number of Days to Update: 83

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 12/17/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 09/30/2020
Date Data Arrived at EDR: 10/19/2020
Date Made Active in Reports: 01/07/2021
Number of Days to Update: 80

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 01/20/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/04/2020
Date Data Arrived at EDR: 12/04/2020
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 76

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/04/2020
Date Data Arrived at EDR: 12/04/2020
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 76

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 12/14/2020
Date Data Arrived at EDR: 12/17/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 5

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/17/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 09/29/2020
Date Data Arrived at EDR: 11/17/2020
Date Made Active in Reports: 01/25/2021
Number of Days to Update: 69

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 02/17/2021
Next Scheduled EDR Contact: 05/31/2021
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 01/15/2021
Next Scheduled EDR Contact: 04/26/2021
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 01/07/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 02/09/2021
Next Scheduled EDR Contact: 05/24/2021
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 09/21/2020
Date Data Arrived at EDR: 09/22/2020
Date Made Active in Reports: 12/14/2020
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 12/17/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 02/02/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 02/05/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/17/2020
Date Made Active in Reports: 09/10/2020
Number of Days to Update: 85

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 12/18/2020
Next Scheduled EDR Contact: 03/29/2021
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 08/14/2020
Date Made Active in Reports: 11/04/2020
Number of Days to Update: 82
Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 02/02/2021
Next Scheduled EDR Contact: 05/31/2021
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 10/19/2020
Date Data Arrived at EDR: 10/19/2020
Date Made Active in Reports: 01/04/2021
Number of Days to Update: 77
Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 01/21/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 35
Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 01/14/2021
Next Scheduled EDR Contact: 03/15/2021
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 11/02/2020
Date Data Arrived at EDR: 11/12/2020
Date Made Active in Reports: 01/25/2021
Number of Days to Update: 74
Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 01/19/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35
Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 04/27/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 34

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 01/14/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: Quarterly

PADS: PCB Activity Database System
PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 10/09/2019
Date Data Arrived at EDR: 10/11/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 70

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 01/08/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System
The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/30/2020
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 08/05/2020
Date Data Arrived at EDR: 08/10/2020
Date Made Active in Reports: 10/08/2020
Number of Days to Update: 59

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 01/19/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 12/01/2020
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 70
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 12/01/2020
Next Scheduled EDR Contact: 03/15/2021
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 03/02/2021
Next Scheduled EDR Contact: 06/14/2021
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 02/05/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 01/08/2021
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data
Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80
Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 01/27/2021
Next Scheduled EDR Contact: 05/10/2021
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees
Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 09/30/2020
Date Data Arrived at EDR: 10/08/2020
Date Made Active in Reports: 01/04/2021
Number of Days to Update: 88
Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 01/04/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Varies

BRS: Biennial Reporting System
The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/22/2020
Date Made Active in Reports: 11/20/2020
Number of Days to Update: 151
Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 12/23/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations
This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546
Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 01/08/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program
DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3
Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 02/02/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites
Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 02/18/2021
Next Scheduled EDR Contact: 05/31/2021
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites
A listing of former lead smelter site locations.

Date of Government Version: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 26

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 01/14/2021
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites
A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)
The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data
A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File
Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 11/03/2020
Date Data Arrived at EDR: 11/23/2020
Date Made Active in Reports: 01/25/2021
Number of Days to Update: 63

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 02/24/2021
Next Scheduled EDR Contact: 06/06/2021
Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data
Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 11/24/2020
Date Data Arrived at EDR: 11/30/2020
Date Made Active in Reports: 01/25/2021
Number of Days to Update: 56

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 03/01/2021
Next Scheduled EDR Contact: 06/14/2021
Data Release Frequency: Quarterly

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 05/06/2020
Date Data Arrived at EDR: 05/27/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 78

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 02/26/2021
Next Scheduled EDR Contact: 06/06/2021
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 02/26/2021
Next Scheduled EDR Contact: 06/06/2021
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 12/11/2020
Date Data Arrived at EDR: 12/11/2020
Date Made Active in Reports: 03/02/2021
Number of Days to Update: 81

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 12/10/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 11/04/2020
Date Data Arrived at EDR: 12/01/2020
Date Made Active in Reports: 01/25/2021
Number of Days to Update: 55

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 03/03/2021
Next Scheduled EDR Contact: 06/14/2021
Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 10/03/2020
Date Data Arrived at EDR: 10/06/2020
Date Made Active in Reports: 01/04/2021
Number of Days to Update: 90

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 01/08/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites
A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 07/02/2020
Date Made Active in Reports: 09/17/2020
Number of Days to Update: 77
Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 01/15/2021
Next Scheduled EDR Contact: 04/26/2021
Data Release Frequency: Varies

DOCKET HWC: Hazardous Waste Compliance Docket Listing
A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 11/03/2020
Date Data Arrived at EDR: 11/17/2020
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 84
Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 02/26/2021
Next Scheduled EDR Contact: 06/06/2021
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing
This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 11/13/2020
Date Data Arrived at EDR: 11/13/2020
Date Made Active in Reports: 01/25/2021
Number of Days to Update: 73
Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 02/17/2021
Next Scheduled EDR Contact: 05/31/2021
Data Release Frequency: Quarterly

CA BOND EXP. PLAN: Bond Expenditure Plan
Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6
Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List
The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 06/22/2020
Date Data Arrived at EDR: 06/22/2020
Date Made Active in Reports: 09/04/2020
Number of Days to Update: 74
Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 12/17/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing
list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 07/17/2019
Number of Days to Update: 64
Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 02/12/2021
Next Scheduled EDR Contact: 05/24/2021
Data Release Frequency: Varies

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 11/17/2020
Date Data Arrived at EDR: 11/18/2020
Date Made Active in Reports: 02/04/2021
Number of Days to Update: 78

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 02/22/2021
Next Scheduled EDR Contact: 06/06/2021
Data Release Frequency: Varies

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 11/23/2020
Date Data Arrived at EDR: 11/25/2020
Date Made Active in Reports: 02/10/2021
Number of Days to Update: 77

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 02/26/2021
Next Scheduled EDR Contact: 06/14/2021
Data Release Frequency: Annually

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing

A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 11/23/2020
Date Data Arrived at EDR: 11/24/2020
Date Made Active in Reports: 02/10/2021
Number of Days to Update: 78

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 02/26/2021
Next Scheduled EDR Contact: 06/14/2021
Data Release Frequency: Varies

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 06/16/2020
Date Made Active in Reports: 08/28/2020
Number of Days to Update: 73

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 12/18/2020
Next Scheduled EDR Contact: 03/29/2021
Data Release Frequency: Varies

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 10/16/2020
Date Data Arrived at EDR: 10/19/2020
Date Made Active in Reports: 01/07/2021
Number of Days to Update: 80

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 01/20/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 10/13/2020
Date Data Arrived at EDR: 10/14/2020
Date Made Active in Reports: 01/04/2021
Number of Days to Update: 82

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 01/22/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 11/12/2020
Date Data Arrived at EDR: 11/13/2020
Date Made Active in Reports: 01/29/2021
Number of Days to Update: 77

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 02/08/2021
Next Scheduled EDR Contact: 05/24/2021
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 04/15/2020
Date Made Active in Reports: 07/02/2020
Number of Days to Update: 78

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 01/05/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 11/13/2020
Date Data Arrived at EDR: 11/13/2020
Date Made Active in Reports: 02/01/2021
Number of Days to Update: 80

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 02/17/2021
Next Scheduled EDR Contact: 05/31/2021
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 11/13/2020
Date Data Arrived at EDR: 11/13/2020
Date Made Active in Reports: 02/01/2021
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/17/2021
Next Scheduled EDR Contact: 05/31/2021
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 10/05/2020
Date Data Arrived at EDR: 10/06/2020
Date Made Active in Reports: 12/23/2020
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 01/05/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Quarterly

MINES: Mines Site Location Listing
A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 12/07/2020
Date Data Arrived at EDR: 12/08/2020
Date Made Active in Reports: 02/22/2021
Number of Days to Update: 76
Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 12/08/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing
The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 10/30/2020
Date Data Arrived at EDR: 12/01/2020
Date Made Active in Reports: 02/12/2021
Number of Days to Update: 73
Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 03/03/2021
Next Scheduled EDR Contact: 06/14/2021
Data Release Frequency: Varies

NPDES: NPDES Permits Listing
A listing of NPDES permits, including stormwater.

Date of Government Version: 11/09/2020
Date Data Arrived at EDR: 11/10/2020
Date Made Active in Reports: 01/27/2021
Number of Days to Update: 78
Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 02/09/2021
Next Scheduled EDR Contact: 05/24/2021
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing
A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 11/30/2020
Date Data Arrived at EDR: 12/01/2020
Date Made Active in Reports: 02/12/2021
Number of Days to Update: 73
Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 03/03/2021
Next Scheduled EDR Contact: 06/14/2021
Data Release Frequency: Quarterly

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 12/07/2020
Date Data Arrived at EDR: 12/08/2020
Date Made Active in Reports: 02/22/2021
Number of Days to Update: 76
Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 12/08/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records
Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 12/07/2020
Date Data Arrived at EDR: 12/09/2020
Date Made Active in Reports: 12/10/2020
Number of Days to Update: 1
Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 12/07/2020
Next Scheduled EDR Contact: 03/29/2021
Data Release Frequency: No Update Planned

UIC: UIC Listing
A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 02/01/2021
Date Data Arrived at EDR: 02/19/2021
Date Made Active in Reports: 02/22/2021
Number of Days to Update: 3
Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 02/18/2021
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)
Underground control injection sites

Date of Government Version: 12/04/2020
Date Data Arrived at EDR: 12/04/2020
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 76
Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing
Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 11/19/2019
Date Data Arrived at EDR: 01/07/2020
Date Made Active in Reports: 03/09/2020
Number of Days to Update: 62
Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 01/08/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Varies

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9
Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 02/16/2021
Next Scheduled EDR Contact: 05/31/2021
Data Release Frequency: No Update Planned

WIP: Well Investigation Program Case List
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13
Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 12/15/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)
Military privatized sites

Date of Government Version: 12/04/2020
Date Data Arrived at EDR: 12/04/2020
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 76
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)
Projects sites

Date of Government Version: 12/04/2020
Date Data Arrived at EDR: 12/04/2020
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 76

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing

In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 12/07/2020
Date Data Arrived at EDR: 12/08/2020
Date Made Active in Reports: 02/22/2021
Number of Days to Update: 76

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 12/08/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 11/30/2020
Date Data Arrived at EDR: 12/01/2020
Date Made Active in Reports: 02/12/2021
Number of Days to Update: 73

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 03/03/2021
Next Scheduled EDR Contact: 06/14/2021
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 10/19/2020
Date Data Arrived at EDR: 10/19/2020
Date Made Active in Reports: 01/07/2021
Number of Days to Update: 80

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 01/20/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 12/04/2020
Date Data Arrived at EDR: 12/04/2020
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 76

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 12/04/2020
Date Data Arrived at EDR: 12/04/2020
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 76

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)
Produced water ponds sites

Date of Government Version: 12/04/2020
Date Data Arrived at EDR: 12/04/2020
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 76
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)
Sampling point - public sites

Date of Government Version: 12/04/2020
Date Data Arrived at EDR: 12/04/2020
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 76
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)
Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 12/04/2020
Date Data Arrived at EDR: 12/04/2020
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 76
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Varies

HWTS: Hazardous Waste Tracking System
DTSC maintains the Hazardous Waste Tracking System that stores ID number information since the early 1980s and manifest data since 1993. The system collects both manifest copies from the generator and destination facility.

Date of Government Version: 10/13/2020
Date Data Arrived at EDR: 10/14/2020
Date Made Active in Reports: 11/03/2020
Number of Days to Update: 20
Source: Department of Toxic Substances Control
Telephone: 916-324-2444
Last EDR Contact: 01/19/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3
Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 02/26/2021
Next Scheduled EDR Contact: 09/10/2018
Data Release Frequency: Varies

PCS ENF: Enforcement data
No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29
Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 12/30/2020
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Varies

PCS INACTIVE: Listing of Inactive PCS Permits
An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 01/04/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Semi-Annually

PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 01/04/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Semi-Annually

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 01/04/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 10/01/2020
Date Data Arrived at EDR: 10/06/2020
Date Made Active in Reports: 12/23/2020
Number of Days to Update: 78

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 01/04/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA AMADOR: CUPA Facility List
Cupa Facility List

Date of Government Version: 10/19/2020
Date Data Arrived at EDR: 10/22/2020
Date Made Active in Reports: 01/12/2021
Number of Days to Update: 82

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 02/01/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing
Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 12/30/2020
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 12/15/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 12/24/2020
Number of Days to Update: 8

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 12/15/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/06/2020
Date Data Arrived at EDR: 04/23/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 78

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 02/26/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 10/19/2020
Date Data Arrived at EDR: 10/22/2020
Date Made Active in Reports: 01/13/2021
Number of Days to Update: 83

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 01/25/2021
Next Scheduled EDR Contact: 05/10/2021
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 06/08/2020
Date Data Arrived at EDR: 08/13/2020
Date Made Active in Reports: 10/22/2020
Number of Days to Update: 70

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 01/25/2021
Next Scheduled EDR Contact: 05/10/2021
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 10/22/2020
Date Data Arrived at EDR: 11/03/2020
Date Made Active in Reports: 01/20/2021
Number of Days to Update: 78

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 02/08/2021
Next Scheduled EDR Contact: 05/10/2021
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: CUPA Resources List
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 10/02/2020
Date Data Arrived at EDR: 10/06/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 77

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 01/15/2021
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 01/19/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 11/18/2020
Date Data Arrived at EDR: 11/19/2020
Date Made Active in Reports: 02/04/2021
Number of Days to Update: 77

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 02/16/2021
Next Scheduled EDR Contact: 05/31/2021
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 10/14/2020
Date Data Arrived at EDR: 10/15/2020
Date Made Active in Reports: 01/05/2021
Number of Days to Update: 82

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 01/19/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

INYO COUNTY:

CUPA INYO: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 72

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 02/16/2021
Next Scheduled EDR Contact: 05/31/2021
Data Release Frequency: Varies

KERN COUNTY:

CUPA KERN: CUPA Facility List
A listing of sites included in the Kern County Hazardous Material Business Plan.

Date of Government Version: 10/29/2020
Date Data Arrived at EDR: 10/30/2020
Date Made Active in Reports: 01/15/2021
Number of Days to Update: 77

Source: Kern County Public Health
Telephone: 661-321-3000
Last EDR Contact: 02/01/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: Varies

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 01/19/2021
Date Data Arrived at EDR: 01/21/2021
Date Made Active in Reports: 01/28/2021
Number of Days to Update: 7

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 02/01/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 05/11/2020
Date Data Arrived at EDR: 05/12/2020
Date Made Active in Reports: 07/27/2020
Number of Days to Update: 76

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 02/16/2021
Next Scheduled EDR Contact: 05/31/2021
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List
Cupa facility list

Date of Government Version: 08/13/2020
Date Data Arrived at EDR: 08/13/2020
Date Made Active in Reports: 10/23/2020
Number of Days to Update: 71

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 01/11/2021
Next Scheduled EDR Contact: 04/26/2021
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List
Cupa facility list

Date of Government Version: 07/31/2020
Date Data Arrived at EDR: 08/21/2020
Date Made Active in Reports: 11/09/2020
Number of Days to Update: 80

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 02/26/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: N/A
Telephone: N/A
Last EDR Contact: 12/09/2020
Next Scheduled EDR Contact: 03/29/2021
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 10/19/2020
Date Data Arrived at EDR: 10/20/2020
Date Made Active in Reports: 01/12/2021
Number of Days to Update: 84

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 01/04/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 10/09/2020
Date Data Arrived at EDR: 10/09/2020
Date Made Active in Reports: 12/29/2020
Number of Days to Update: 81

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 01/12/2021
Next Scheduled EDR Contact: 04/26/2021
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 08/17/2020
Date Made Active in Reports: 11/05/2020
Number of Days to Update: 80

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 01/11/2021
Next Scheduled EDR Contact: 04/26/2021
Data Release Frequency: Varies

LOS ANGELES AST: Active & Inactive AST Inventory
A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 12/18/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Varies

LOS ANGELES CO LF METHANE: Methane Producing Landfills
This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 04/30/2012
Date Data Arrived at EDR: 04/17/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 42

Source: Los Angeles County Department of Public Works
Telephone: 626-458-6973
Last EDR Contact: 01/15/2021
Next Scheduled EDR Contact: 04/26/2021
Data Release Frequency: No Update Planned

LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory
A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 12/18/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Varies

LOS ANGELES UST: Active & Inactive UST Inventory
A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 12/18/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation List
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 07/20/2020
Date Data Arrived at EDR: 10/09/2020
Date Made Active in Reports: 12/29/2020
Number of Days to Update: 81

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 01/12/2021
Next Scheduled EDR Contact: 04/26/2021
Data Release Frequency: Annually

UST EL SEGUNDO: City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 10/07/2020
Next Scheduled EDR Contact: 01/25/2021
Data Release Frequency: No Update Planned

UST LONG BEACH: City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 65

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 01/19/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 09/11/2020
Date Data Arrived at EDR: 10/07/2020
Date Made Active in Reports: 12/23/2020
Number of Days to Update: 77

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 01/19/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 08/10/2020
Date Data Arrived at EDR: 08/12/2020
Date Made Active in Reports: 10/23/2020
Number of Days to Update: 72

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 02/16/2021
Next Scheduled EDR Contact: 05/31/2021
Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 29

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 12/21/2020
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 02/04/2021
Date Data Arrived at EDR: 02/09/2021
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 9

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 01/29/2021
Next Scheduled EDR Contact: 05/31/2021
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 11/16/2020
Date Data Arrived at EDR: 11/23/2020
Date Made Active in Reports: 02/08/2021
Number of Days to Update: 77

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 02/22/2021
Next Scheduled EDR Contact: 06/06/3021
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 07/13/2020
Date Data Arrived at EDR: 07/15/2020
Date Made Active in Reports: 07/31/2020
Number of Days to Update: 16

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 12/21/2020
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 02/22/2021
Next Scheduled EDR Contact: 06/06/2021
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 09/05/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 02/22/2021
Next Scheduled EDR Contact: 06/06/2021
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 10/26/2020
Date Data Arrived at EDR: 10/28/2020
Date Made Active in Reports: 01/15/2021
Number of Days to Update: 79

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 01/25/2021
Next Scheduled EDR Contact: 05/10/2021
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 09/01/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 01/26/2021
Number of Days to Update: 82

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/01/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 09/01/2020
Date Data Arrived at EDR: 11/06/2020
Date Made Active in Reports: 01/26/2021
Number of Days to Update: 81

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/05/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 09/01/2020
Date Data Arrived at EDR: 11/03/2020
Date Made Active in Reports: 01/21/2021
Number of Days to Update: 79

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/02/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: Quarterly

PLACER COUNTY:

MS PLACER: Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 11/24/2020
Date Data Arrived at EDR: 11/24/2020
Date Made Active in Reports: 11/25/2020
Number of Days to Update: 1

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 02/26/2021
Next Scheduled EDR Contact: 06/14/2021
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 01/19/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

RIVERSIDE COUNTY:

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 10/06/2020
Date Data Arrived at EDR: 10/07/2020
Date Made Active in Reports: 11/03/2020
Number of Days to Update: 27

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/09/2020
Next Scheduled EDR Contact: 03/29/2021
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 10/06/2020
Date Data Arrived at EDR: 10/07/2020
Date Made Active in Reports: 11/03/2020
Number of Days to Update: 27
Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/09/2020
Next Scheduled EDR Contact: 03/29/2021
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 02/18/2020
Date Data Arrived at EDR: 03/31/2020
Date Made Active in Reports: 06/15/2020
Number of Days to Update: 76
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 12/30/2020
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: Quarterly

ML SACRAMENTO: Master Hazardous Materials Facility List
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 02/24/2020
Date Data Arrived at EDR: 03/31/2020
Date Made Active in Reports: 06/17/2020
Number of Days to Update: 78
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 12/30/2020
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List
Cupa facility list

Date of Government Version: 10/28/2020
Date Data Arrived at EDR: 10/30/2020
Date Made Active in Reports: 01/15/2021
Number of Days to Update: 77
Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 02/01/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 11/16/2020
Date Data Arrived at EDR: 11/18/2020
Date Made Active in Reports: 02/04/2021
Number of Days to Update: 78
Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 02/01/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

HMMD SAN DIEGO: Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 11/30/2020
Date Data Arrived at EDR: 12/01/2020
Date Made Active in Reports: 02/16/2021
Number of Days to Update: 77

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 03/03/2021
Next Scheduled EDR Contact: 03/15/2021
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/01/2020
Date Data Arrived at EDR: 11/23/2020
Date Made Active in Reports: 02/08/2021
Number of Days to Update: 77

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 01/19/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing

A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 07/14/2020
Date Data Arrived at EDR: 07/16/2020
Date Made Active in Reports: 09/29/2020
Number of Days to Update: 75

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 02/01/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

SAN DIEGO CO SAM: Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 02/26/2021
Next Scheduled EDR Contact: 06/14/2021
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

Date of Government Version: 11/05/2020
Date Data Arrived at EDR: 11/06/2020
Date Made Active in Reports: 01/27/2021
Number of Days to Update: 82

Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 02/01/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: Varies

LUST SAN FRANCISCO: Local Oversite Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 02/01/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: No Update Planned

UST SAN FRANCISCO: Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/05/2020
Date Data Arrived at EDR: 11/06/2020
Date Made Active in Reports: 01/26/2021
Number of Days to Update: 81

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 02/01/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 12/09/2020
Next Scheduled EDR Contact: 03/29/2021
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 11/12/2020
Date Data Arrived at EDR: 11/13/2020
Date Made Active in Reports: 02/01/2021
Number of Days to Update: 80

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 02/16/2021
Next Scheduled EDR Contact: 05/31/2021
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 64

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 12/11/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019
Date Data Arrived at EDR: 03/29/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 61

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 12/01/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 02/16/2021
Next Scheduled EDR Contact: 05/31/2021
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 11/20/2020
Date Data Arrived at EDR: 11/23/2020
Date Made Active in Reports: 02/05/2021
Number of Days to Update: 74

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 02/16/2021
Next Scheduled EDR Contact: 05/31/2021
Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LUST SANTA CLARA: LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 02/22/2021
Next Scheduled EDR Contact: 06/06/2021
Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/03/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 01/26/2021
Number of Days to Update: 82

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 02/26/2021
Next Scheduled EDR Contact: 05/16/2021
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 02/16/2021
Next Scheduled EDR Contact: 05/31/2021
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA SHASTA: CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 02/16/2021
Next Scheduled EDR Contact: 05/31/2021
Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 08/13/2019
Number of Days to Update: 68

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 02/26/2021
Next Scheduled EDR Contact: 06/14/2021
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 12/03/2020
Date Data Arrived at EDR: 12/03/2020
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 77

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 02/26/2021
Next Scheduled EDR Contact: 06/14/2021
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 12/15/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 12/23/2020
Number of Days to Update: 7

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 12/15/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 09/18/2020
Date Data Arrived at EDR: 09/22/2020
Date Made Active in Reports: 12/14/2020
Number of Days to Update: 83

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 12/15/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 10/01/2020
Date Data Arrived at EDR: 10/06/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 77

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 01/11/2021
Next Scheduled EDR Contact: 04/26/2021
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 11/23/2020
Date Data Arrived at EDR: 11/24/2020
Date Made Active in Reports: 02/10/2021
Number of Days to Update: 78

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 02/26/2021
Next Scheduled EDR Contact: 06/14/2021
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 08/11/2020
Date Data Arrived at EDR: 08/12/2020
Date Made Active in Reports: 10/26/2020
Number of Days to Update: 75

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 02/01/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 10/14/2020
Date Data Arrived at EDR: 10/15/2020
Date Made Active in Reports: 01/05/2021
Number of Days to Update: 82

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 01/19/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 10/30/2020
Date Data Arrived at EDR: 11/03/2020
Date Made Active in Reports: 01/20/2021
Number of Days to Update: 78

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 02/01/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List
Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 01/19/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

VENTURA COUNTY:

BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 09/28/2020
Date Data Arrived at EDR: 10/22/2020
Date Made Active in Reports: 01/12/2021
Number of Days to Update: 82
Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 01/19/2021
Next Scheduled EDR Contact: 05/02/2021
Data Release Frequency: Quarterly

LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 12/21/2020
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: No Update Planned

LUST VENTURA: Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 02/08/2021
Next Scheduled EDR Contact: 05/24/2021
Data Release Frequency: No Update Planned

MED WASTE VENTURA: Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 09/28/2020
Date Data Arrived at EDR: 10/22/2020
Date Made Active in Reports: 01/12/2021
Number of Days to Update: 82
Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 01/20/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Quarterly

UST VENTURA: Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 12/01/2020
Date Data Arrived at EDR: 12/08/2020
Date Made Active in Reports: 02/22/2021
Number of Days to Update: 76
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 12/08/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 12/21/2020
Date Data Arrived at EDR: 12/23/2020
Date Made Active in Reports: 01/04/2021
Number of Days to Update: 12
Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 12/20/2020
Next Scheduled EDR Contact: 04/11/2021
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 01/26/2021
Date Data Arrived at EDR: 01/28/2021
Date Made Active in Reports: 02/03/2021
Number of Days to Update: 6

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 02/23/2021
Next Scheduled EDR Contact: 05/10/2021
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 08/10/2020
Date Data Arrived at EDR: 10/20/2020
Date Made Active in Reports: 11/02/2020
Number of Days to Update: 13

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 02/12/2021
Next Scheduled EDR Contact: 05/24/2021
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 01/08/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 04/29/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 72

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 01/29/2021
Next Scheduled EDR Contact: 05/10/2021
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 01/11/2021
Next Scheduled EDR Contact: 04/26/2021
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 02/11/2021
Date Made Active in Reports: 02/24/2021
Number of Days to Update: 13

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 02/09/2021
Next Scheduled EDR Contact: 05/31/2021
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 12/03/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: Endeavor Business Media
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data
Source: Endeavor Business Media
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

ELITE HOLDINGS
301 EAST HUNTINGTON DRIVE
ARCADIA, CA 91006

TARGET PROPERTY COORDINATES

Latitude (North):	34.140592 - 34° 8' 26.13''
Longitude (West):	118.023167 - 118° 1' 23.40''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	405664.7
UTM Y (Meters):	3778022.5
Elevation:	483 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5636853 MOUNT WILSON, CA
Version Date:	2012
Southwest Map:	5630799 EL MONTE, CA
Version Date:	2012

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

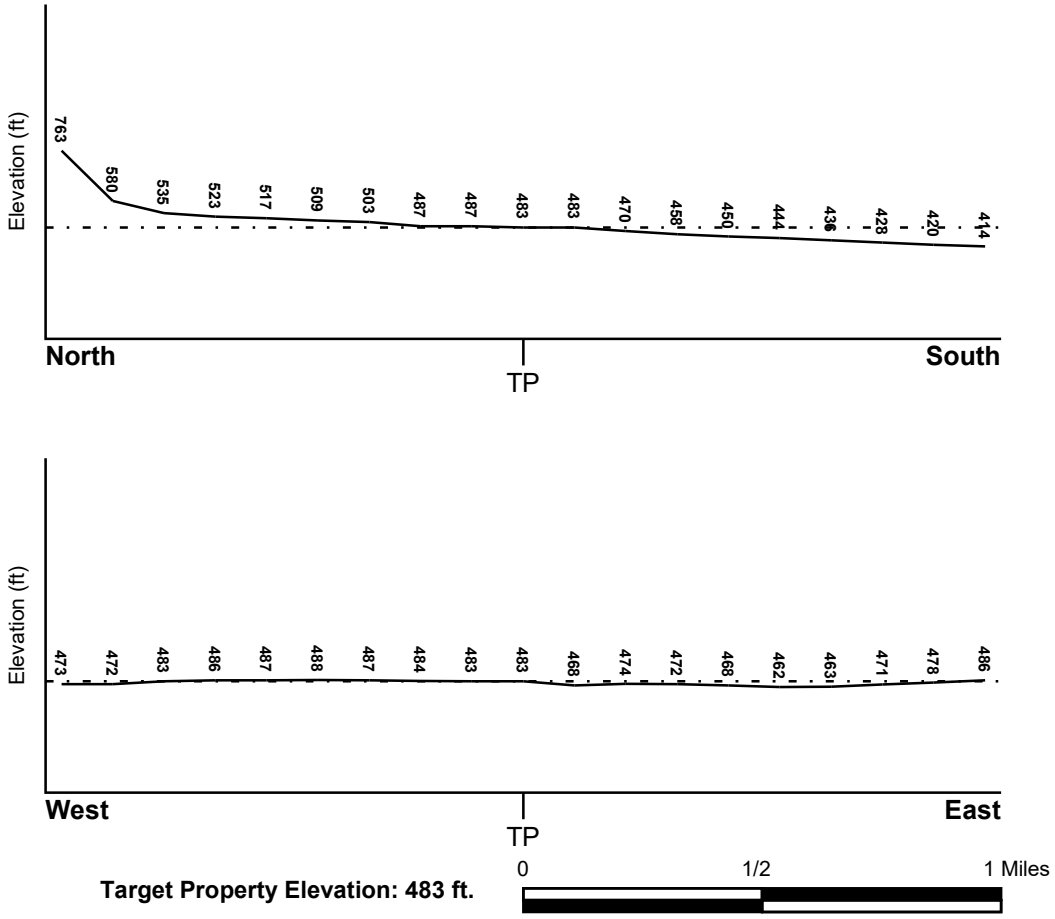
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SSE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
06037C1400F	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
Not Reported	

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
MOUNT WILSON	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
10	1/2 - 1 Mile SSW	SW
1G	1/2 - 1 Mile SSW	SW

For additional site information, refer to Physical Setting Source Map Findings.

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: URBAN LAND

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class: Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 10 inches

Depth to Bedrock Max: > 10 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures:
loam
clay
silt loam
loamy sand
sandy loam
fine sand
clay loam
gravelly - sandy loam
coarse sand
gravelly - sand
sand

Surficial Soil Types:
loam
clay
silt loam
loamy sand
sandy loam
fine sand
clay loam
gravelly - sandy loam
coarse sand
gravelly - sand
sand

Shallow Soil Types:
fine sandy loam
gravelly - loam
sand
silty clay

Deeper Soil Types:
stratified
clay loam
silty clay loam
gravelly - sandy loam
coarse sand
sand
weathered bedrock
very fine sandy loam

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
2	USGS40000142001	1/8 - 1/4 Mile NW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
7	CA1910003	1/2 - 1 Mile West

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

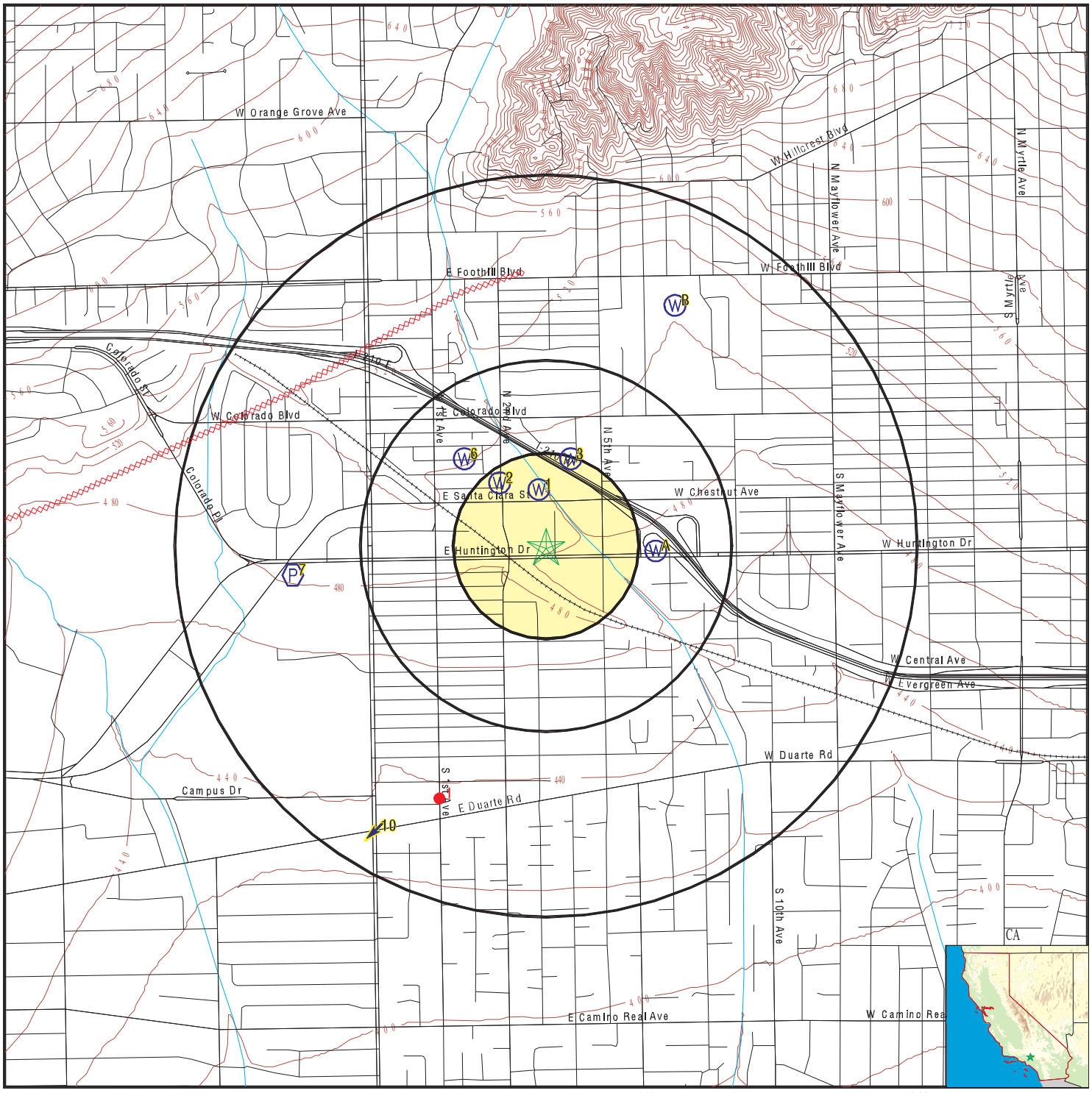
MAP ID	WELL ID	LOCATION FROM TP
1	CADDW0000021728	1/8 - 1/4 Mile North
3	CADWR0000035999	1/8 - 1/4 Mile NNE
A4	CADWR0000009706	1/4 - 1/2 Mile East
A5	CADWR0000002453	1/4 - 1/2 Mile East
6	CADWR0000018060	1/4 - 1/2 Mile NW
B8	422	1/2 - 1 Mile NNE
B9	CADDW0000007546	1/2 - 1 Mile NNE

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	CAOG14000005714	1/2 - 1 Mile SSW

PHYSICAL SETTING SOURCE MAP - 6392358.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	Elite Holdings	CLIENT:	Enviroassessors Inc.
ADDRESS:	301 East Huntington Drive Arcadia CA 91006	CONTACT:	Norman Sacro
LAT/LONG:	34.140592 / 118.023167	INQUIRY #:	6392358.2s
		DATE:	March 04, 2021 6:14 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number

1
North
1/8 - 1/4 Mile
Higher

CA WELLS **CADDW0000021728**

Well ID:	1910003-018	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	ST. JOSEPH WELL 02 - INACTIVE		
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=1910003-018&store_num=		
GeoTracker Data:	Not Reported		

2
NW
1/8 - 1/4 Mile
Higher

FED USGS **USGS40000142001**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001N011W27F001S	Type:	Well
Description:	Not Reported	HUC:	18070105
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	800
Well Depth Units:	ft	Well Hole Depth:	800
Well Hole Depth Units:	ft		

3
NNE
1/8 - 1/4 Mile
Higher

CA WELLS **CADWR0000035999**

Well ID:	01N11W27F001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	01N11W27F001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=01N11W27F001S&store_num=		
GeoTracker Data:	Not Reported		

A4
East
1/4 - 1/2 Mile
Lower

CA WELLS **CADWR0000009706**

Well ID:	01N11W27K001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	01N11W27K001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=01N11W27K001S&store_num=		
GeoTracker Data:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

A5
East
1/4 - 1/2 Mile
Lower

CA WELLS **CADWR0000002453**

Well ID:	01N11W27K002S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	01N11W27K002S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=01N11W27K002S&store_num=		
GeoTracker Data:	Not Reported		

6
NW
1/4 - 1/2 Mile
Higher

CA WELLS **CADWR0000018060**

Well ID:	01N11W27E001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	01N11W27E001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=01N11W27E001S&store_num=		
GeoTracker Data:	Not Reported		

7
West
1/2 - 1 Mile
Higher

FRDS PWS **CA1910003**

Epa region:	09	State:	CA
Pwsid:	CA1910003	Pwsname:	CITY OF ARCADIA
Cityserved:	Not Reported	Stateserved:	CA
Zipserved:	Not Reported	Fipscounty:	06037
Status:	Active	Retpopsrvd:	44180
Pwssvcconn:	13607	Psource longname:	Groundwater
Pwstype:	CWS	Owner:	Local_Govt
Contact:	CLARK, CRAIG	Contactorgname:	CLARK, CRAIG
Contactphone:	626-256-6583	Contactaddress1:	P.O.BOX 60021
Contactaddress2:	Not Reported	Contactcity:	ARCADIA
Contactstate:	CA	Contactzip:	91066-6021
Pwsactivitycode:	A		

Pwsid:	CA1910003	Facid:	22
Facname:	ORANGE GROVE RESERVOIRS BLEND - TREATED		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	hypochlorination, post
Factypecode:	TP		

Pwsid:	CA1910003	Facid:	22
Facname:	ORANGE GROVE RESERVOIRS BLEND - TREATED		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	inorganics removal	Trtprocess:	rapid mix
Factypecode:	TP		

Pwsid:	CA1910003	Facid:	22
Facname:	ORANGE GROVE RESERVOIRS BLEND - TREATED		

Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection by-products control		
Trtprocess:	rapid mix	Factypecode:	TP
Pwsid:	CA1910003	Facid:	23
Facname:	ST. JOSEPH RESERVOIRS BLEND - TREATED		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	hypochlorination, post
Factypecode:	TP		
Pwsid:	CA1910003	Facid:	23
Facname:	ST. JOSEPH RESERVOIRS BLEND - TREATED		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	inorganics removal	Trtprocess:	rapid mix
Factypecode:	TP		
Pwsid:	CA1910003	Facid:	26
Facname:	BALDWIN WELL 02 - CHLORINATION		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	gaseous chlorination, post
Factypecode:	TP		
Pwsid:	CA1910003	Facid:	27
Facname:	CHAPMAN WELL 06 - CHLORINATION-INACTIVE		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	gaseous chlorination, post
Factypecode:	TP		
Pwsid:	CA1910003	Facid:	28
Facname:	HUGO REID WELL 01 - CHLORINATION		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	gaseous chlorination, post
Factypecode:	TP		
Pwsid:	CA1910003	Facid:	29
Facname:	LIVE OAK WELL - CHLORINATION		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	gaseous chlorination, post
Factypecode:	TP		
Pwsid:	CA1910003	Facid:	30
Facname:	PECK WELL 01 - CHLORINATION		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	gaseous chlorination, post
Factypecode:	TP		
Pwsid:	CA1910003	Facid:	31
Facname:	ANOAKIA WELL - CHLORINATION		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	hypochlorination, post
Factypecode:	TP		
Pwsid:	CA1910003	Facid:	32
Facname:	LONGDEN WELLS 01 AND 02 - CHLORINATION		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	gaseous chlorination, post
Factypecode:	TP		
Pwsid:	CA1910003	Facid:	33
Facname:	ST JOSEPH WELL 02 - CHLORINATION		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	hypochlorination, post

Factypecode: TP

Pwsid: CA1910003 Facid: 34
Facname: ORANGE GROVE RESERVOIRS - CHLORINATION
Factype: Treatment_plant Facactivitycode: A
Trtobjective: disinfection Trtprocess: gaseous chlorination, post
Factypecode: TP

Pwsid: CA1910003 Facid: 35
Facname: SOURCE (ZONE 4) FOR ST. JOSEPH NO3 BLEND
Factype: Treatment_plant Facactivitycode: A
Trtobjective: inorganics removal Trtprocess: rapid mix
Factypecode: TP

Pwsid: CA1910003 Facid: 45768
Facname: BLENDED SOURCE FROM ZONE 4
Factype: Treatment_plant Facactivitycode: A
Trtobjective: disinfection by-products control
Trtprocess: rapid mix Factypecode: TP

Pwsid: CA1910003 Facid: 5104
Facname: ORANGE GROVE RESERVOIRS BLEND - TREATED
Factype: Treatment_plant Facactivitycode: A
Trtobjective: disinfection Trtprocess: hypochlorination, post
Factypecode: TP

Pwsid: CA1910003 Facid: 5104
Facname: ORANGE GROVE RESERVOIRS BLEND - TREATED
Factype: Treatment_plant Facactivitycode: A
Trtobjective: disinfection by-products control
Trtprocess: rapid mix Factypecode: TP

Pwsid: CA1910003 Facid: 5104
Facname: ORANGE GROVE RESERVOIRS BLEND - TREATED
Factype: Treatment_plant Facactivitycode: A
Trtobjective: inorganics removal Trtprocess: rapid mix
Factypecode: TP

Pwsid: CA1910003 Facid: 5166
Facname: LONGDEN AIR STRIP AND BLEND - TREATED
Factype: Treatment_plant Facactivitycode: A
Trtobjective: inorganics removal Trtprocess: rapid mix
Factypecode: TP

Pwsid: CA1910003 Facid: 5166
Facname: LONGDEN AIR STRIP AND BLEND - TREATED
Factype: Treatment_plant Facactivitycode: A
Trtobjective: organics removal Trtprocess: aeration, packed tower
Factypecode: TP

Pwsid: CA1910003 Facid: 5166
Facname: LONGDEN AIR STRIP AND BLEND - TREATED
Factype: Treatment_plant Facactivitycode: A
Trtobjective: disinfection Trtprocess: hypochlorination, post
Factypecode: TP

Pwsid: CA1910003 Facid: 5200
Facname: ST. JOSEPH RESERVOIRS BLEND - TREATED
Factype: Treatment_plant Facactivitycode: A
Trtobjective: disinfection Trtprocess: hypochlorination, post
Factypecode: TP

Pwsid:	CA1910003	Facid:	5200
Facname:	ST. JOSEPH RESERVOIRS BLEND - TREATED		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	inorganics removal	Trtprocess:	rapid mix
Factypecode:	TP		

Pwsid:	CA1910003	Facid:	5241
Facname:	BALDWIN WELL 02 - CHLORINATION		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	gaseous chlorination, post
Factypecode:	TP		

Pwsid:	CA1910003	Facid:	5242
Facname:	LIVE OAK WELL - CHLORINATION		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	gaseous chlorination, post
Factypecode:	TP		

Pwsid:	CA1910003	Facid:	5243
Facname:	PECK WELL 01 - CHLORINATION		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	gaseous chlorination, post
Factypecode:	TP		

Pwsid:	CA1910003	Facid:	5244
Facname:	ANOAKIA WELL - CHLORINATION		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	hypochlorination, post
Factypecode:	TP		

Pwsid:	CA1910003	Facid:	5245
Facname:	ST JOSEPH WELL 02 - CHLORINATION		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	hypochlorination, post
Factypecode:	TP		

Pwsid:	CA1910003	Facid:	5246
Facname:	ORANGE GROVE RESERVOIRS - CHLORINATION		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	gaseous chlorination, post
Factypecode:	TP		

Pwsid:	CA1910003	Facid:	5248
Facname:	CHAPMAN WELL 07 - CHLORINATION		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	hypochlorination, post
Factypecode:	TP		

Pwsid:	CA1910003	Facid:	54834
Facname:	MWD CONNECTION - ZINC ORTHOPHOSPHATE		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	corrosion control	Trtprocess:	inhibitor, orthophosphate
Factypecode:	TP		

Pwsid:	CA1910003	Facid:	55114
Facname:	COLORADO WELL - CHLORINATION		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	hypochlorination, pre
Factypecode:	TP		

Pwsid:	CA1910003	Facid:	55115
Facname:	LONGLEY WELL - CHLORINATION		

Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	hypochlorination, pre
Factypecode:	TP		

Pwsid:	CA1910003	Facid:	55116
Facname:	CAMINO REAL WELL 03 - CHLORINATION		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	hypochlorination, pre
Factypecode:	TP		

Pwsid:	CA1910003	Facid:	5994
Facname:	LONGDEN WELLS 01 AND 02 - CHLORINATION		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	gaseous chlorination, post
Factypecode:	TP		

Pwsid:	CA1910003	Facid:	CA1910003020
Facname:	CAMINO REAL FOREBAY BLND-TREATED-INACTVE		
Factype:	Treatment_plant	Facactivitycode:	I
Trtobjective:	inorganics removal	Trtprocess:	rapid mix
Factypecode:	TP		

Pwsid:	CA1910003	Facid:	CA1910003021
Facname:	LONGDEN AIR STRIP AND BLEND - TREATED		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	organics removal	Trtprocess:	aeration, packed tower
Factypecode:	TP		

Pwsid:	CA1910003	Facid:	CA1910003021
Facname:	LONGDEN AIR STRIP AND BLEND - TREATED		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	hypochlorination, post
Factypecode:	TP		

Pwsid:	CA1910003	Facid:	CA1910003022
Facname:	ORANGE GROVE RESERVOIRS BLEND - TREATED		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	hypochlorination, post
Factypecode:	TP		

Pwsid:	CA1910003	Facid:	CA1910003022
Facname:	ORANGE GROVE RESERVOIRS BLEND - TREATED		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	inorganics removal	Trtprocess:	rapid mix
Factypecode:	TP		

Pwsid:	CA1910003	Facid:	CA1910003022
Facname:	ORANGE GROVE RESERVOIRS BLEND - TREATED		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection by-products control		
Trtprocess:	rapid mix	Factypecode:	TP

Pwsid:	CA1910003	Facid:	CA1910003023
Facname:	ST. JOSEPH RESERVOIRS BLEND - TREATED		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	inorganics removal	Trtprocess:	rapid mix
Factypecode:	TP		

Pwsid:	CA1910003	Facid:	CA1910003038
Facname:	CHAPMAN WELL 07 - CHLORINATION		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	hypochlorination, post

Factypecode:	TP		
PWS ID:	CA1910003	PWS name:	ARCADIA-CITY, WATER DIVISION
Address:	Not Reported	Care of:	Not Reported
City:	ARCADIA	State:	CA
Zip:	91006	Owner:	ARCADIA-CITY, WATER DIVISION
Source code:	Surface water	Population:	48290
PWS ID:	CA1910003	PWS type:	Not Reported
PWS name:	Not Reported	PWS address:	Not Reported
PWS city:	Not Reported	PWS state:	Not Reported
PWS zip:	Not Reported	PWS name:	City of Arcadia
PWS type code:	C	Retail population served:	44814
Contact:	Craig Clark	Contact address:	11800 Goldring Road
Contact address:	P.O. Box 60021	Contact city:	Arcadia
Contact state:	CA	Contact zip:	91066
Contact telephone:	6262566583		
PWS ID:	CA1910003	Activity status:	Active
Date system activated:	7706	Date system deactivated:	Not Reported
Retail population:	00048290	System name:	ARCADIA-CITY, WATER DIVISION
System address:	Not Reported	System address:	240 W HUNTINGTON DRIVE
System city:	ARCADIA	System state:	CA
System zip:	91006		
County FIPS:	037	City served:	ARCADIA
Population served:	10,001 - 50,000 Persons	Treatment:	Mixed (treated and untreated)
Latitude:	340822	Longitude:	1180203
Violation id:	616001	Orig code:	S
State:	CA	Violation Year:	2006
Contamination code:	1040	Contamination Name:	Nitrate
Violation code:	02	Violation name:	MCL, Average
Rule code:	331	Rule name:	Nitrates
Violation measur:	48.1	Unit of measure:	MG/L
State mcl:	45	Cmp bdt:	06/01/2006
Cmp edt:	06/30/2006		
Violation id:	722003	Orig code:	S
State:	CA	Violation Year:	2007
Contamination code:	1040	Contamination Name:	Nitrate
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	331	Rule name:	Nitrates
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	10/01/2007
Cmp edt:	12/31/2007		
Violation id:	722004	Orig code:	S
State:	CA	Violation Year:	2007
Contamination code:	1040	Contamination Name:	Nitrate
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	331	Rule name:	Nitrates
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	07/01/2007
Cmp edt:	09/30/2007		
Violation id:	822002	Orig code:	S
State:	CA	Violation Year:	2008
Contamination code:	1040	Contamination Name:	Nitrate
Violation code:	04		

Violation name:	Monitoring, Check/Repeat/Confirmation		
Rule code:	331	Rule name:	Nitrates
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2008
Cmp edt:	03/31/2008		

Violation id:	822005	Orig code:	S
State:	CA	Violation Year:	2008
Contamination code:	1040	Contamination Name:	Nitrate
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	331	Rule name:	Nitrates
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2008
Cmp edt:	03/31/2008		

Violation id:	94V0001	Orig code:	F
State:	CA	Violation Year:	1993
Contamination code:	5000	Contamination Name:	Lead and Copper Rule
Violation code:	51	Violation name:	Initial Tap Sampling for Pb and Cu
Rule code:	350	Rule name:	LCR
Violation measur:	0	Unit of measure:	Not Reported
State mcl:	0	Cmp bdt:	06/30/1993
Cmp edt:	03/01/2000		

PWS currently has or had major violation(s) or enforcement:Yes

Violation ID:	94V0001	Violation source ID:	Not Reported
PWS telephone:	Not Reported	Contaminant:	LEAD & COPPER RULE
Violation type:	Initial Tap Sampling for Pb and Cu		
Violation start date:	063093	Violation end date:	122993
Violation period (months):	006	Violation awareness date:	Not Reported
Major violator:	Not Reported	Maximum contaminant level:	Not Reported
Number of required samples:	Not Reported	Number of samples taken:	Not Reported
Analysis method:	Not Reported	Analysis result:	Not Reported

PWS currently has or had major violation(s) or enforcement:Yes

Violation ID:	94V0002	Violation source ID:	Not Reported
PWS telephone:	Not Reported	Contaminant:	LEAD & COPPER RULE
Violation type:	Initial Tap Sampling for Pb and Cu		
Violation start date:	123193	Violation end date:	063094
Violation period (months):	006	Violation awareness date:	Not Reported
Major violator:	Not Reported	Maximum contaminant level:	Not Reported
Number of required samples:	Not Reported	Number of samples taken:	Not Reported
Analysis method:	Not Reported	Analysis result:	Not Reported

Violation ID:	616001	Orig Code:	S
Enforcemnt FY:	2007	Enforcement Action:	10/31/2006
Enforcement Detail:	St AO (w/o penalty) issued		
Enforcement Category:	Formal		

Violation ID:	616001	Orig Code:	S
Enforcemnt FY:	2007	Enforcement Action:	10/31/2006
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving

Violation ID:	722003	Orig Code:	S
Enforcemnt FY:	2008	Enforcement Action:	05/13/2008
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving

Violation ID:	722003	Orig Code:	S
Enforcemnt FY:	2008	Enforcement Action:	05/13/2008
Enforcement Detail:	St Violation/Reminder Notice		

Enforcement Category: Informal

Violation ID: 722004 Orig Code: S
Enforcemnt FY: 2008 Enforcement Action: 05/13/2008
Enforcement Detail: St Violation/Reminder Notice
Enforcement Category: Informal

Violation ID: 722004 Orig Code: S
Enforcemnt FY: 2008 Enforcement Action: 05/13/2008
Enforcement Detail: St Compliance achieved Enforcement Category: Resolving

Violation ID: 822002 Orig Code: S
Enforcemnt FY: 2008 Enforcement Action: 05/14/2008
Enforcement Detail: St AO (w/o penalty) issued
Enforcement Category: Formal

Violation ID: 822002 Orig Code: S
Enforcemnt FY: 2008 Enforcement Action: 07/01/2008
Enforcement Detail: St Compliance achieved Enforcement Category: Resolving

Violation ID: 822005 Orig Code: S
Enforcemnt FY: 2008 Enforcement Action: 05/13/2008
Enforcement Detail: St Violation/Reminder Notice
Enforcement Category: Informal

Violation ID: 822005 Orig Code: S
Enforcemnt FY: 2008 Enforcement Action: 05/13/2008
Enforcement Detail: St Compliance achieved Enforcement Category: Resolving

Violation ID: 94V0001 Orig Code: F
Enforcemnt FY: 2000 Enforcement Action: 03/01/2000
Enforcement Detail: Fed Compliance achieved Enforcement Category: Resolving

PWS name: City of Arcadia Population served: 44814
PWS type code: C Violation ID: 0616001
Contaminant: NITRATE Violation type: 2
Compliance start date: 6/1/2006 0:00:00 Compliance end date: 6/30/2006 0:00:00
Enforcement date: 10/31/2006 0:00:00 Enforcement action: State AO (w/o Penalty) Issued
Violation measurement: 48.1

PWS name: City of Arcadia Population served: 44814
PWS type code: C Violation ID: 0616001
Contaminant: NITRATE Violation type: 2
Compliance start date: 6/1/2006 0:00:00 Compliance end date: 6/30/2006 0:00:00
Enforcement date: 10/31/2006 0:00:00 Enforcement action: State Compliance Achieved
Violation measurement: 48.1

PWS name: City of Arcadia Population served: 44814
PWS type code: C Violation ID: 0722003
Contaminant: NITRATE Violation type: 3
Compliance start date: 10/1/2007 0:00:00 Compliance end date: 12/31/2007 0:00:00
Enforcement date: 5/13/2008 0:00:00 Enforcement action: State Violation/Reminder Notice
Violation measurement: Not Reported

PWS name: City of Arcadia Population served: 44814
PWS type code: C Violation ID: 0722004
Contaminant: NITRATE Violation type: 3
Compliance start date: 7/1/2007 0:00:00 Compliance end date: 9/30/2007 0:00:00
Enforcement date: 5/13/2008 0:00:00 Enforcement action: State Violation/Reminder Notice
Violation measurement: Not Reported

PWS name: City of Arcadia Population served: 44814

PWS type code:	C	Violation ID:	0822002
Contaminant:	NITRATE	Violation type:	4
Compliance start date:	1/1/2008 0:00:00	Compliance end date:	3/31/2008 0:00:00
Enforcement date:	5/14/2008 0:00:00	Enforcement action:	State AO (w/o Penalty) Issued
Violation measurement:	Not Reported		

PWS name:	City of Arcadia	Population served:	44814
PWS type code:	C	Violation ID:	0822005
Contaminant:	NITRATE	Violation type:	3
Compliance start date:	1/1/2008 0:00:00	Compliance end date:	3/31/2008 0:00:00
Enforcement date:	5/13/2008 0:00:00	Enforcement action:	State Violation/Reminder Notice
Violation measurement:	Not Reported		

PWS name:	City of Arcadia	Population served:	44814
PWS type code:	C	Violation ID:	94V0001
Contaminant:	LEAD & COPPER RULE	Violation type:	Initial Tap Sampling for Pb and Cu
Compliance start date:	6/30/1993 0:00:00	Compliance end date:	3/1/2000 0:00:00
Enforcement date:	3/1/2000 0:00:00	Enforcement action:	Fed Compliance Achieved
Violation measurement:	0		

B8
NNE **CA WELLS** **422**
1/2 - 1 Mile
Higher

Seq:	422	Prim sta c:	01N/11W-27F01 S
Frds no:	1910003019	County:	19
District:	07	User id:	4TH
System no:	1910003	Water type:	G
Source nam:	ST. JOSEPH WELL 01	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	340900.0	Longitude:	1180100.0
Precision:	8	Status:	AR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	1910003	System nam:	Arcadia-City, Water Division
Hqname:	Not Reported	Address:	240 W HUNTINGTON DRIVE
City:	ARCADIA	State:	CA
Zip:	91006	Zip ext:	Not Reported
Pop serv:	48290	Connection:	12901
Area serve:	ARCADIA		

B9
NNE **CA WELLS** **CADDW0000007546**
1/2 - 1 Mile
Higher

Well ID:	1910003-019	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	ST. JOSEPH WELL 01 - DESTROYED		
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=1910003-019&store_num=		
GeoTracker Data:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
10 **SSW** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	I-11015 SW Not Reported Not Reported 200 02/19/1991	**AQUIFLOW**	**34308**
1G **SSW** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	I-11015 SW Not Reported Not Reported 200 02/19/1991	**AQUIFLOW**	**34308**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

1
SSW
1/2 - 1 Mile

OIL_GAS **CAOG14000005714**

API #:	0403706220	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Lease Name:	Vosburgh	Field Name:	Any Field
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
91006	48	0

Federal EPA Radon Zone for LOS ANGELES County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 91006

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.100 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

OTHER STATE DATABASE INFORMATION

Groundwater Ambient Monitoring & Assessment Program
State Water Resources Control Board
Telephone: 916-341-5577
The GAMA Program is Californias comprehensive groundwater quality monitoring program. GAMA collects data by testing the untreated, raw water in different types of wells for naturally-occurring and man-made chemicals. The GAMA data includes Domestic, Monitoring and Municipal well types from the following sources, Department of Water Resources, Department of Heath Services, EDF, Agricultural Lands, Lawrence Livermore National Laboratory, Department of Pesticide Regulation, United States Geological Survey, Groundwater Ambient Monitoring and Assessment Program and Local Groundwater Projects.

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Public Health
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

California Oil and Gas Well Locations
Source: Dept of Conservation, Geologic Energy Management Division
Telephone: 916-323-1779
Oil and Gas well locations in the state.

California Earthquake Fault Lines
Source: California Division of Mines and Geology
The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon
Source: Department of Public Health
Telephone: 916-210-8558
Radon Database for California

PHYSICAL SETTING SOURCE RECORDS SEARCHED

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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APPENDIX 8.4 - User Questionnaire

ASTM E1527 – 13

USER QUESTIONNAIRE

INTRODUCTION

In order to qualify for one of the *Landowner Liability Protections (LLPs)*[187] offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "*Brownfields Amendments*"),[188] the *user* must conduct the following inquiries required by 40 CFR 312.25, 312.28, 312.29, 312.30, and 312.31. These inquiries must also be conducted by EPA Brownfield Assessment and Characterization grantees. The *user* should provide the following information to the *environmental professional*. Failure to conduct these inquiries could result in a determination that "*all appropriate inquiries*" is not complete.

[187] *Landowner Liability Protections*, or *LLPs*, is the term used to describe the three types of potential defenses to Superfund liability in EPA's *Interim Guidance RegardingCriteria Landowners Must Meet in Order to Qualify for Bona Fide Prospective Purchaser, Contiguous Property Owner, or Innocent Landowner Limitations on CERCLA Liability* ("*Common Elements*" Guide) issued on March 6, 2003.

[188] P.L. 107-118.

Address of subject property: 301 E. Huntington Drive Arcadia CA 91006

Name of person completing questionnaire:

Dustin Nicolarsen

Signature: Dustin Nicolarsen

Date: 3/3/21

Company and Address: The Derby, 233 E Huntington Dr. Arcadia, CA 91006

Phone number: (626) 447-2430

Fax number:

Email address: adustbuster@gmail.com

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(1.) Environmental liens that are filed or recorded against the *property* (40 CFR 312.25).

Did a search of *recorded land title records* (or judicial records where appropriate, see Note 1 below) identify any environmental liens filed or recorded against the *property* under federal, tribal, state or local law? If a search of *recorded land title records* was NOT conducted, please indicate: "A search of *recorded land title records* was not conducted."

No environmental liens

NOTE 1—In certain jurisdictions, federal, tribal, state, or local statutes, or regulations specify that environmental liens and AULs be filed in judicial records rather than in land title records. In such cases judicial records must be searched for environmental liens and AULs.

(2.) Activity and use limitations (AULs) that are in place on the *property* or that have been filed or recorded against the *property* (40 CFR 312.26(a)(1)(v) and vi)).

Did a search of *recorded land title records* (or judicial records where appropriate, see Note 1 above) identify any AULs, such as *engineering controls*, land use restrictions or *institutional controls* that are in place at the *property* and/or have been filed or recorded against the *property* under federal, tribal, state or local law? If a search of *recorded land title records* was NOT conducted, please indicate: "A search of *recorded land title records* was not conducted." Also, if AULs have not been filed or recorded against the *property* under federal, tribal, state or local law, please indicate: "AULs have not been filed or recorded against the *property* under federal, tribal, state or local law."

No identities

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(3.) Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28).

Do you have any specialized knowledge or experience related to the *property* or nearby properties? For example, are you involved in the same line of business as the current or former *occupants* of the *property* or an *adjoining property* so that you would have specialized knowledge of the chemicals and processes used by this type of business?

Yes, as far as I know this property has only been used as an orange grove and a restaurant. I own the Restaurant next door to this property.

(4.) Relationship of the purchase price to the fair market value of the *property* if it were not contaminated (40 CFR 312.29).

Does the purchase price being paid for this *property* reasonably reflect the fair market value of the *property*? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the *property*? If the property is NOT for sale, please indicate "Property is not for sale" and this question does not apply.

Yes it reflects a fair market

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(5.) Commonly known or *reasonably ascertainable* information about the *property* (40 CFR 312.30).

Are you aware of commonly known or *reasonably ascertainable* information about the *property* that would help the *environmental professional* to identify conditions indicative of releases or threatened releases? For example,

(a.) Do you know the past uses of the *property*?

Used as an orange grove & restaurant

(b.) Do you know of specific chemicals that are present or once were present at the *property*?

NO.

(c.) Do you know of spills or other chemical releases that have taken place at the *property*?

NO

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(d.) Do you know of any environmental cleanups that have taken place at the *property*?

NO

(6.) The degree of obviousness of the presence or likely presence of contamination at the *property*, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31).

Based on your knowledge and experience related to the *property* are there any *obvious* indicators that point to the presence or likely presence of releases at the *property*?

NO.

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APPENDIX 8.5 - Building Records

CITY OF ARCADIA

Development Services ment
240 West Huntington D. P O Box 60021
Arcadia, CA 91066-6021
(626) 574-5416

PE . NO. B00-011-633

Permit Type: Fire sprinkler/alarm

PROJECT	TRACT NO	LOT NO	APPLICATION DATE	ISSUED BY	PRINT DATE	PERMIT STATUS
			1/21/2002	MB	15 26 3/26/2002	Issued

PROJECT ADDRESS
301 E Huntington Dr

ASSESSORS PARCEL NO
5773-009-065

GEO CODE

COMPLETED

OWNER
SOUP PLANTATION

MAILING ADDRESS

PHONE NO
EMAIL ADDRESS

Inspector#: AFD

APPLICANT
SOUTHCOAST PLUMBING

MAILING ADDRESS
6931 OREGON ST
BUENA PARK. CA 90621

PHONE NO (714) 670-8338
EMAIL ADDRESS

CONTRACTOR/PROFESSIONAL
SOUTHLAND FIRE PROTECTION

MAILING ADDRESS
4733 POINT LOMA AVE
SAN DIEGO, CA 92107

PHONE NO (619) 523-1400 FAX NO
EMAIL ADDRESS

License No 611956 Type C Expires 2/28/2003 12 00

TENANT

MAILING ADDRESS

PHONE NO FAX NO

DESCRIPTION
FIRE SPRINKLERS FOR CANOPY

Construction Type	UOM	# of Units	Value	Construction Type	UOM	# of Units	Value
Value	Value	750 00	$750 00				

OCCUPANCY. Fire Sprink/alm **TOTAL VALUATION** $750.00

QTY	UOM	DESC	AMT	AMT PAID	ACCT
	Flat	Bldg Issue Auto	$40 25	$40 25	01-3104
	each	Bldg permit	$53 25	$53 25	01-3104
Totals for: 01-3104			**$93.50**	**$93.50**	
4	heads	NFPA13	$325 00	$325 00	01-3109
		FIRE P/C REVIE	$34 61	$34 61	01-3109
Totals for 01-3109			**$359.61**	**$359 61**	
	each	SWMF 2 Auto	$1 00	$1 00	88-3027
Totals for 88-3027			**$1.00**	**$1.00**	

QTY	UOM	DESC	AMT	AMT PAID	ACCT

Total Fees: $454.11 **Total Amount Paid:** $454.11 **Paid Today:** $94.50

This permit/plan review expires by time limitation and becomes null and void if the work authorized by the permit is not commenced within 180 days from the date of issuance or if the permit is not obtained within 180 days from the date of plan submittal This permit expires and becomes null and void if any work authorized by this permit is suspended or abandoned for 180 consecutive days or if no progressive work has been verified by a City of Arcadia building inspector for a period of 180 consecutive days

MB

CALLS FOR INSPECTION

Requests for inspection should be made at least one (1) business day in advance of the inspection by telephone at (626) 574-5416 for onsite work

INSPECTORS OFFICE HOURS ARE

Monday - Thursday	Fridays
7 30 a m - 9 00 a m	7 30 a m - 9 00 a m
4 00 p m - 5 30 p m	4 00 p m - 4 30 p m

CLOSED ON ALTERNATE FRIDAYS

City of Arcadi
Development Services Department
240 West Huntington Drive - Post Office Box 60021
Arcadia, CA 91066-6021
(626) 574-5416

PERMIT / PLAN REVIEW APPLICATION

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect

License Class C-16 HFC License No 611956 Exp Date 2/28/2003

Signature of Contractor Joseph C. McLaughlin AGENT

OWNER - BUILDER DECLARATION

☐ I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Sec 7031 5, Business and Professions Code Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code or that he or she is exempt there from and the basis for the alleged exemption Any violation of Section 7031 5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500)

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec 7044, Business and Professions Code The Contractors License Law does not apply to an owner of property who builds or improves thereon, or who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale If, however, the building or improvement is sold within one (1) year of completion, the owner - builder will have the burden of proving he or she did not build or improve for the purpose of sale)

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec 7044, Business and Professions Code The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law)

☐ I am exempt under Sec _____, B & PC for this reason

_____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued My worker's compensation insurance carrier and policy number are

Carrier CALIFORNIA INDEMNITY INS. CO.

Policy Number EC 192017K

(This section need not be completed if the permit is for one hundred dollars or less)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions

Date _____ Applicant _____

WARNING. Failure to secure workers' compensation coverage is unlawful, and shall subject an employer to criminal penalties and civil fines up to One Hundred Thousand Dollars ($100,000), in addition to the cost of compensation, damages as provided for in Section 3706 of the Labor Code, interest and attorneys fees

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec 3097, Civ C)

Lender's Name _____

Lender's Address: _____

IMPORTANT APPLICATION IS HEREBY MADE TO THE BUILDING OFFICIAL FOR A PERMIT SUBJECT TO THE CONDITIONS AND RESTRICTIONS SET FORTH ON THIS APPLICATION AND THE FOLLOWING:

1 Construction activity is prohibited between the hours of 7 00 p m and 7 00 a m and on Sundays and Holidays
2 The City's approved plans and permit inspection card must remain on the job site for use by City inspection personnel
3 Final inspection of the work authorized by this permit is required A Certificate of Occupancy must be obtained prior to use and occupancy of new buildings, and structures

NAME JOSEPH C. MCLAUGHLIN (PRINT NAME) TITLE AGENT

I certify that I have read this application and state that the above information is correct and that I am the owner or the duly authorized agent of the owner. I agree to comply with all City ordinances and State laws relating to building construction I hereby authorize representatives of the City of Arcadia to enter upon the above - mentioned property for inspection purposes.

SIGNATURE Joseph C. McLaughlin DATE 3/26/2002

City of Arcadia
Development Services Depart[illegible]t
240 West Huntington Drive, [illegible]ffice Box 60021
Arcadia, CA 91066-6021
(626) 574-5416, Fax (626) 447-9173

PE[illegible] NO. B00-011-633

Permit Type: Fire sprinkler/alarm

PROJECT	TRACT NO	LOT NO	APPLICATION DATE	ISSUED BY	PRINT DATE	PERMIT STATUS
			1/21/2002	MB	1/[illegible]/2002	Plan check

COMPLETED

PROJECT ADDRESS
301 E Huntington Dr

ASSESSOR'S PARCEL NO. 5773-009-065 GEO CODE

OWNER
SOUP PLANTATION

MAILING ADDRESS

PHONE NO
EMAIL ADDRESS

Inspector#: AFD
Plan Chk#: 02-15

APPLICANT
SOUTHCOAST PLUMBING

MAILING ADDRESS
6931 OREGON ST
BUENA PARK, CA 90621

PHONE NO (714) 670-8338
EMAIL ADDRESS

CONTRACTOR/PROFESSIONAL

MAILING ADDRESS

PHONE NO FAX NO
EMAIL ADDRESS

License No Type Expires

TENANT

MAILING ADDRESS

PHONE NO FAX NO

DESCRIPTION
FIRE SPRINKLERS FOR CANOPY

Construction Type	UOM	# of Units	Value	Construction Type	UOM	# of Units	Value
Value	Value	750 00	$750 00				

OCCUPANCY: Fire Sprink/alm **TOTAL VALUATION:** $750.00

QTY	UOM	DESC	AMT	AMT PAID	ACCT
	Flat	Bldg Issue Auto	$40 25	$0 00	01-3104
	each	Bldg permit	$53 25	$0 00	01-3104
Totals for: 01-3104			**$93.50**	**$0.00**	
4	heads	NFPA13	$325 00	$325 00	01-3109
		FIRE P/C REVIE	$34 61	$34 61	01-3109
Totals for: 01-3109			**$359.61**	**$359.61**	
	each	SWMF 2 Auto	$1 00	$0 00	88-3027
Totals for: 88-3027			**$1.00**	**$0.00**	

QTY	UOM	DESC	AMT	AMT PAID	ACCT

Total Fees: $454.11 **Total Amount Paid:** $359.61 **Paid Today:** $359.61

This permit/plan review expires by time limitation and becomes null and void if the work authorized by the permit is not commenced within 180 days from the date of issuance or if the permit is not obtained within 180 days from the date of plan submittal This permit expires and becomes null and void if any work authorized by this permit is suspended or abandoned for 180 consecutive days or if no progressive work has been verified by a City of Arcadia building inspector for a period of 180 consecutive days.

MB

CALLS FOR INSPECTION

Requests for inspection should be made at least one (1) business day in advance of the inspection by telephone at (626) 574-5416 for onsite work.

INSPECTORS' OFFICE HOURS

Monday–Thursday	Friday
7 30 a m to 9 00 a m	7.30 a m to 9.00 a m.
4 00 p m to 5 30 p m	4 00 p m to 4:30 p m.

(Closed on alternate Fridays)

PERMIT/PLAN REVIEW APPLICATION

Development Services Department, 240 West Huntington Drive, Post Office Box 60021
Arcadia, CA 91066-6021, (626) 574-5416, Fax (626) 447-9173

City of Arcadia

LICENSED CONTRACTOR'S DECLARATION

☑ I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9, commencing with Section 7000, of Division 3 of the Business and Professions Code, and my license is in full force and effect

License Class C-36 License No 627339 Exp Date 9/30/03

Signature of Contractor [signature]

OWNER–BUILDER DECLARATION

☐ I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Section 7031 5, Business and Professions Code Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt there from and the basis for the alleged exemption Any violation of Section 7031 5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500))

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Section 7044, Business and Professions Code The Contractors License Law does not apply to an owner of property who builds or improves thereon, or who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale If, however, the building or improvement is sold within one (1) year of completion, the owner–builder will have the burden of proving that he or she did not build or improve for the purpose of sale)

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Section 7044, Business and Professions Code The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law)

☐ I am exempt under Section 7044, Business and Professions Code, for this reason

_____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued

☑ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued My workers' compensation insurance carrier and policy number are

Carrier STATE FUND

Policy Number #1443116-

(This section need not be completed if the permit is for one hundred dollars or less)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions

Date _____ Applicant _____

WARNING Failure to secure workers' compensation coverage is unlawful, and shall subject an employer to criminal penalties and civil fines up to one hundred thousand dollars ($100,000), in addition to the cost of compensation, damages as provided for in Section 3706 of the Labor Code, interest, and attorneys fees

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Section 3097, Civil Code)

Lender's Name _____

Lender's Address _____

IMPORTANT: APPLICATION IS HEREBY MADE TO THE BUILDING OFFICIAL FOR A PERMIT SUBJECT TO THE CONDITIONS AND RESTRICTIONS SET FORTH ON THIS APPLICATION AND THE FOLLOWING:

1 The City's approved plans and permit inspection card must remain on the job site for use by City inspection personnel.
2 Final inspection of the work authorized by this permit is required A Certificate of Occupancy must be obtained prior to use and occupancy of new buildings and structures
3 Per South Coast Air Quality Management District (AQMD) regulations, renovation and remodeling work that results in the removal, stripping, or altering of asbestos containing materials requires an asbestos survey and removal prior to disturbing the asbestos Please contact AQMD at (909) 396-2000 for further information.

Name _____ Title _____
PRINT NAME

I certify that I have read this application and state that the above information is correct and that I am the owner or the duly authorized agent of the owner. I agree to comply with all City ordinances and State laws relating to building construction. I hereby authorize representatives of the City of Arcadia to enter upon the above-mentioned property for inspection purposes.

Signature [signature] Date 1/21/2002

City of Arcadia
Development Services Department
240 West Huntington Drive, P fice Box 60021
Arcadia, CA 91066-6021
(626) 574-5416, Fax (626) 447-9173

PER NO. B00-011-634
Permit Type: Comm Add/Alt

PROJECT	TRACT NO	LOT NO	APPLICATION DATE	ISSUED BY	PRINT DATE	PERMIT STATUS
			1/21/2002	MB	13 06 2/25/2002	Issued

PROJECT ADDRESS
301 E Huntington Dr

COMPLETED

ASSESSORS PARCEL NO
5773-009-065

GEO CODE

OWNER
SOUP PLANTATION

MAILING ADDRESS

PHONE NO

EMAIL ADDRESS

Inspector#: 205
Plan#: 27729

APPLICANT
GEORGE GENERAL CONTRACT

MAILING ADDRESS

PHONE NO

EMAIL ADDRESS

CONTRACTOR/PROFESSIONAL

MAILING ADDRESS
10000 INDIANA AVE 5
RIVERSIDE, AV 92503

PHONE NO (909) 353-8181 FAX NO

EMAIL ADDRESS

License No 730060 Type B Expires 12/31/2002 12 0(

TENANT

MAILING ADDRESS

PHONE NO FAX NO

DESCRIPTION
CANOPY OVER SERVICE YARD, 2 FLOOR DRAINS, EXTEND WATER HEATER VENT ABOVE ROOF

Construction Type	UOM	# of Units	Value	Construction Type	UOM	# of Units	Value
Value	Value	5,600 00	$5,600 00				

OCCUPANCY: Restaurants

TOTAL VALUATION: $5,600.00

QTY	UOM	DESC	AMT	AMT PAID	ACCT
	each	Plan review	$110 79	$110 79	01-3103
Totals for: 01-3103			$110.79	$110.79	
	Flat	Bldg Issue Auto	$40 25	$40 25	01-3104
	each	Bldg permit	$170 45	$170 45	01-3104
Totals for 01-3104			$210.70	$210.70	
1	Flat	Plmbg issuance	$40 25	$40 25	01-3105
2	each	Floor drain	$22 60	$22 60	01-3105
1	each	Wtr htr/vent	$14 10	$14 10	01-3105
Totals for 01-3105			$76.95	$76.95	
		SMIP Com	$1 18	$1 18	14-2207
Totals for: 14-2207			$1.18	$1.18	
1	Flat	SWMF 2	$1 00	$1 00	88-3027
	Flat	SWMF Auto	$6 25	$6 25	88-3027
Totals for: 88-3027			$7.25	$7.25	

3-25-02
GROUND PLMG, PRE SLAB. OK DM
3-29-02
FINAL INSPECTION. OK DM

Total Fees. $406.87 **Total Amount Paid:** $406.87 **Paid Today:** $296.08

This permit/plan review expires by time limitation and becomes null and void if the work authorized by the permit is not commenced within 180 days from the date of issuance or if the permit is not obtained within 180 days from the date of plan submittal This permit expires and becomes null and void if any work authorized by this permit is suspended or abandoned for 180 consecutive days or if no progressive work has been verified by a City of Arcadia building inspector for a period of 180 consecutive days

6-6.

CALLS FOR INSPECTION

Requests for inspection should be made at least one (1) business day in advance of the inspection by telephone at (626) 574-5416 for onsite work.

INSPECTORS' OFFICE HOURS

Monday–Thursday	Friday
7.30 a m to 9·00 a.m.	7 30 a m. to 9·00 a m.
4 00 p m. to 5 30 p m	4 00 p m to 4 30 p m.

(Closed on alternate Fridays)

PERMIT/PLAN REVIEW APPLICATION

Development Services Department, 240 West Huntington Drive, Post Office Box 60021
Arcadia, CA 91066-6021, (626) 574-5416, Fax (626) 447-9173

City of Arcadia

LICENSED CONTRACTOR'S DECLARATION

☒ I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9, commencing with Section 7000, of Division 3 of the Business and Professions Code, and my license is in full force and effect

License Class B-1 License No 730060 Exp Date 12/31/02

Signature of Contractor Joseph C. McLaughlin

OWNER-BUILDER DECLARATION

☐ I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Section 7031 5, Business and Professions Code Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt there from and the basis for the alleged exemption Any violation of Section 7031 5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500))

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Section 7044, Business and Professions Code The Contractors License Law does not apply to an owner of property who builds or improves thereon, or who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale If, however, the building or improvement is sold within one (1) year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale)

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Section 7044, Business and Professions Code The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law)

☐ I am exempt under Section 7044, Business and Professions Code, for this reason

_____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued

☒ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued My workers' compensation insurance carrier and policy number are

Carrier STATE FUND

Policy Number 1542681-01

(This section need not be completed if the permit is for one hundred dollars or less)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions

Date _____ Applicant _____

WARNING Failure to secure workers' compensation coverage is unlawful, and shall subject an employer to criminal penalties and civil fines up to one hundred thousand dollars ($100,000), in addition to the cost of compensation, damages as provided for in Section 3706 of the Labor Code, interest, and attorneys fees

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Section 3097, Civil Code)

Lender's Name _____

Lender's Address _____

IMPORTANT: APPLICATION IS HEREBY MADE TO THE BUILDING OFFICIAL FOR A PERMIT SUBJECT TO THE CONDITIONS AND RESTRICTIONS SET FORTH ON THIS APPLICATION AND THE FOLLOWING:

1 The City's approved plans and permit inspection card must remain on the job site for use by City inspection personnel
2 Final inspection of the work authorized by this permit is required. A Certificate of Occupancy must be obtained prior to use and occupancy of new buildings and structures
3 Per South Coast Air Quality Management District (AQMD) regulations, renovation and remodeling work that results in the removal, stripping, or altering of asbestos containing materials requires an asbestos survey and removal prior to disturbing the asbestos Please contact AQMD at (909) 396-2000 for further information

Name JOSEPH C. MCLAUGHLIN Title AGENT
PRINT NAME

I certify that I have read this application and state that the above information is correct and that I am the owner or the duly authorized agent of the owner. I agree to comply with all City ordinances and State laws relating to building construction. I hereby authorize representatives of the City of Arcadia to enter upon the above-mentioned property for inspection purposes.

Signature Joseph C. McLaughlin Date 2/25/2002

City of Arcadia

Development Services Department
240 West Huntington Drive, I ffice Box 60021
Arcadia, CA 91066-6021
(626) 574-5416, Fax (626) 447-9173

PER NO. B00-011-634

Permit Type: Comm Add/Alt

PROJECT	TRACT NO	LOT NO	APPLICATION DATE	ISSUED BY	PRINT DATE	PERMIT STATUS
			1/21/2002	MB	10 05 1/21/2002	Plan check

COMPLETED

PROJECT ADDRESS
301 E Huntington Dr

ASSESSORS PARCEL NO
5773-009-065

GEO CODE

OWNER
SOUP PLANTATION

MAILING ADDRESS

PHONE NO
EMAIL ADDRESS

205

APPLICANT
SOUTH COAST PLUMBING

MAILING ADDRESS
6931 OREGON ST
BUENA PARK, CA 90621

PHONE NO (714) 670-8338
EMAIL ADDRESS

02-16

CONTRACTOR/PROFESSIONAL

MAILING ADDRESS

PHONE NO FAX NO
EMAIL ADDRESS

License No Type Expires

TENANT

MAILING ADDRESS

PHONE NO FAX NO

DESCRIPTION
Canopy

Construction Type	UOM	# of Units	Value	Construction Type	UOM	# of Units	Value
Value	Value	5,600 00	$5,600 00				

OCCUPANCY. Restaurants **TOTAL VALUATION.** $5,600.00

QTY	UOM	DESC	AMT	AMT PAID	ACCT
	each	Plan review	$110 79	$110 79	01-3103
Totals for: 01-3103			**$110.79**	**$110.79**	
	Flat	Bldg Issue Auto	$40 25	$0 00	01-3104
	each	Bldg permit	$170 45	$0 00	01-3104
Totals for: 01-3104			**$210.70**	**$0.00**	
		SMIP Com	$1 18	$0 00	14-2207
Totals for 14-2207			**$1.18**	**$0.00**	
	Flat	SWMF Auto	$6 25	$0 00	88-3027
Totals for 88-3027			**$6 25**	**$0.00**	

QTY	UOM	DESC	AMT	AMT PAID	ACCT

Total Fees: $328.92 **Total Amount Paid:** $110.79 **Paid Today:** $110.79

This permit/plan review expires by time limitation and becomes null and void if the work authorized by the permit is not commenced within 180 days from the date of issuance or if the permit is not obtained within 180 days from the date of plan submittal This permit expires and becomes null and void if any work authorized by this permit is suspended or abandoned for 180 consecutive days or if no progressive work has been verified by a City of Arcadia building inspector for a period of 180 consecutive days.

MB

CALLS FOR INSPECTION

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INSPECTORS' OFFICE HOURS

Monday–Thursday	Friday
7 30 a m to 9 00 a.m	7 30 a m to 9:00 a m
4 00 p m to 5 30 p m.	4.00 p m. to 4 30 p m

(Closed on alternate Fridays)

PERMIT/PLAN REVIEW APPLICATION

Development Services Department, 240 West Huntington Drive, Post Office Box 60021
Arcadia, CA 91066-6021, (626) 574-5416, Fax (626) 447-9173

City of Arcadia

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9, commencing with Section 7000, of Division 3 of the Business and Professions Code, and my license is in full force and effect

License Class _____ License No _____ Exp Date_____

Signature of Contractor _____

OWNER-BUILDER DECLARATION

☐ I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Section 7031 5, Business and Professions Code Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt there from and the basis for the alleged exemption Any violation of Section 7031 5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500))

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☐ I am exempt under Section 7044, Business and Professions Code, for this reason

_____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued My workers' compensation insurance carrier and policy number are

Carrier _____

Policy Number _____

(This section need not be completed if the permit is for one hundred dollars or less)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions

Date _____ Applicant _____

WARNING Failure to secure workers' compensation coverage is unlawful, and shall subject an employer to criminal penalties and civil fines up to one hundred thousand dollars ($100,000), in addition to the cost of compensation, damages as provided for in Section 3706 of the Labor Code, interest, and attorneys fees

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Section 3097, Civil Code)

Lender's Name _____

Lender's Address _____

IMPORTANT: APPLICATION IS HEREBY MADE TO THE BUILDING OFFICIAL FOR A PERMIT SUBJECT TO THE CONDITIONS AND RESTRICTIONS SET FORTH ON THIS APPLICATION AND THE FOLLOWING:

1. The City's approved plans and permit inspection card must remain on the job site for use by City inspection personnel
2. Final inspection of the work authorized by this permit is required A Certificate of Occupancy must be obtained prior to use and occupancy of new buildings and structures
3. Per South Coast Air Quality Management District (AQMD) regulations, renovation and remodeling work that results in the removal, stripping, or altering of asbestos containing materials requires an asbestos survey and removal prior to disturbing the asbestos Please contact AQMD at (909) 396-2000 for further information.

Name _____ Title _____
PRINT NAME

I certify that I have read this application and state that the above information is correct and that I am the owner or the duly authorized agent of the owner. I agree to comply with all City ordinances and State laws relating to building construction. I hereby authorize representatives of the City of Arcadia to enter upon the above-mentioned property for inspection purposes.

Signature _____ Date 1/21/2002

City of Arcadia

Development Services Depar[t]
240 West Huntington Drive, [O]ffice Box 60021
Arcadia, CA 91066-6021
(626) 574-5416, Fax (626) 447-9173

PERMIT NO. B00-021-838

Permit Type: EMP Combo

PROJECT	TRACT NO.	LOT NO	APPLICATION DATE	ISSUED BY	PRINT DATE	PERMIT STATUS
			4/28/2005	JB	12 29 4/28/2005	Issued

COMPLETED

PROJECT ADDRESS
301 E Huntington Dr

ASSESSORS PARCEL NO
5773-009-065

GEO CODE

OWNER
Soup Plantation

MAILING ADDRESS
15822 Bernardo Center Drive A
San Diego, CA 92127

PHONE NO
EMAIL ADDRESS

Inspector#: DON

APPLICANT
JATCAM, Inc.

MAILING ADDRESS
2516 E First Street
Los Angeles, CA 90033

PHONE NO
EMAIL ADDRESS

CONTRACTOR/PROFESSIONAL
Jatcan, Inc

MAILING ADDRESS
2516 E First St
Los Angeles, CA 90033

PHONE NO
FAX NO
EMAIL ADDRESS

License No 679342 Type B, C20, C36 Expires 10/31/2005 12 0(

TENANT

MAILING ADDRESS

PHONE NO
FAX NO.

DESCRIPTION
CHANGE OUT DISHWASHER AND ADD CIRCUIT OUTLET FOR SODA STATION

Construction Type	UOM	# of Units	Value	Construction Type	UOM	# of Units	Value

OCCUPANCY·

TOTAL VALUATION $0.00

QTY	UOM	DESC	AMT	AMT PAID	ACCT
1	flat	Elec issue	$40 25	$40 25	01-3105
1	Flat	Plmbg issuance	$40 25	$40 25	01-3105
1	each	Dishwashers	$11 30	$11 30	01-3105
1	each	Ltg fixtures	$1 40	$1 40	01-3105
Totals for: 01-3105			**$93.20**	**$93.20**	
1	Flat	SWMF 2	$1 00	$1 00	88-3027
1	Flat	SWMF 2	$1 00	$1 00	88-3027
Totals for· 88-3027			**$2 00**	**$2 00**	

QTY	UOM	DESC	AMT	AMT PAID	ACCT

5-3-05
FINAL INSPECTION - OK Don

Total Fees: $95.20 **Total Amount Paid:** $95.20 **Paid Today:** $95.20

This permit/plan review expires by time limitation and becomes null and void if the work authorized by the permit is not commenced within 180 days from the date of issuance or if the permit is not obtained within 180 days from the date of plan submittal This permit expires and becomes null and void if any work authorized by this permit is suspended or abandoned for 180 consecutive days or if no progressive work has been verified by a City of Arcadia building inspector for a period of 180 consecutive days

CALLS FOR INSPECTION

Requests for inspection should be made at least one (1) business day in advance of the inspection by telephone at (626) 574-5416 for onsite work.

INSPECTORS' OFFICE HOURS

Monday-Thursday	Friday
7 30 a m to 8 30 a m	7 30 a m to 8 30 a m
4 00 p m to 5 30 p m	4 00 p m to 4 30 p m

(Closed on alternate Fridays)

PERMIT/PLAN REVIEW APPLICATION

Development Services Department, 240 West Huntington Drive, Post Office Box 60021
Arcadia, CA 91066-6021, (626) 574-5416, Fax (626) 447-9173

City of Arcadia

LICENSED CONTRACTOR'S DECLARATION

☒ I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9, commencing with Section 7000, of Division 3 of the Business and Professions Code, and my license is in full force and effect

License Class C20, C36 License No 679342 Exp Date 10/05

Signature of Contractor _____

OWNER–BUILDER DECLARATION

☐ I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Section 7031 5, Business and Professions Code Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt there from and the basis for the alleged exemption Any violation of Section 7031 5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500))

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Section 7044, Business and Professions Code The Contractors License Law does not apply to an owner of property who builds or improves thereon, or who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale If, however, the building or improvement is sold within one (1) year of completion, the owner–builder will have the burden of proving that he or she did not build or improve for the purpose of sale)

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Section 7044, Business and Professions Code The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law)

☐ I am exempt under Section 7044, Business and Professions Code, for this reason

_____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued

☒ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued My workers' compensation insurance carrier and policy number are

Carrier State Fund

Policy Number 713-0008346

(This section need not be completed if the permit is for one hundred dollars or less)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions

Date 4/28/05 Applicant _____

WARNING Failure to secure workers' compensation coverage is unlawful, and shall subject an employer to criminal penalities and civil fines up to one hundred thousand dollars ($100,000), in addition to the cost of compensation, damages as provided for in Section 3706 of the Labor Code, interest, and attorneys fees

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Section 3097, Civil Code)

Lender's Name _____

Lender's Address _____

IMPORTANT: APPLICATION IS HEREBY MADE TO THE BUILDING OFFICIAL FOR A PERMIT SUBJECT TO THE CONDITIONS AND RESTRICTIONS SET FORTH ON THIS APPLICATION AND THE FOLLOWING:

1 The City's approved plans and permit inspection card must remain on the job site for use by City inspection personnel
2 Final inspection of the work authorized by this permit is required A Certificate of Occupancy must be obtained prior to use and occupancy of new buildings and structures
3 Per South Coast Air Quality Management District (AQMD) regulations, renovation and remodeling work that results in the removal, stripping, or altering of asbestos containing materials requires an asbestos survey and removal prior to disturbing the asbestos. Please contact AQMD at (909) 396-2000 for further information

Name JATCAN, Inc. Title Contractor
PRINT NAME

I certify that I have read this application and state that the above information is correct and that I am the owner or the duly authorized agent of the owner. I agree to comply with all City ordinances and State laws relating to building construction. I hereby authorize representatives of the City of Arcadia to enter upon the above-mentioned property for inspection purposes.

Signature _____ Date 4/28/05

City of Arcadia

Development Services Department
240 West Huntington Drive, Post Office Box 60021
Arcadia, CA 91066-6021
(626) 574-5416, Fax (626) 447-9173

PERMIT NO. **B00-034-683**

Permit Type: **Plumbing**

PROJECT	TRACT NO.	LOT NO.	APPLICATION DATE	ISSUED BY	PRINT DATE	PERMIT STATUS
	06860		5/17/2010	CM	14 48 5/17/2010	Issued

ADDRESS No.	Dir. Prfix	Street Name	Street Suffix	Project	ASSESSORS PARCEL NO.	GEO CODE
301	**E**	**Huntington**	**Dr**		**5773-009-065**	

OWNER
Kaku, Shigenobu And Hikaru

MAILING ADDRESS
3605 Long Beach Blvd STE 220
Long Beach, CA 90807

PHONE NO.

EMAIL ADDRESS:

Inspector#:
Plan Chk#:
Plan #:
School Dist#:

APPLICANT
South Coast Plumbing

MAILING ADDRESS

PHONE NO.

EMAIL ADDRESS:

CONTRACTOR/PROFESSIONAL
South Coast Plumbing

MAILING ADDRESS
5850 W 3rd St #258
Los Angeles, CA 90036

EXPIRED

PHONE NO. (310) 428-7076 **FAX NO.**

EMAIL ADDRESS:

License No. 840736 Type: C36 Expires: 6/30/2010 12:00:

TENANT
Soup Plantation

MAILING ADDRESS

PHONE NO. **FAX NO.**

DESCRIPTION
INSTALL FIVE NEW TANKLESS WATER HEATERS PER MANUFACTURES INSTALLATION GUIDELINES

Construction Type	UOM	# of Units	Value	Construction Type	UOM	# of Units	Value

OCCUPANCY: **TOTAL VALUATION:** **$0.00**

QTY	UOM	DESC	AMT	AMT PAID	ACCT	QTY	UOM	DESC	AMT	AMT PAID	ACCT
1	Flat	Plmbg Issue A	42.25	42.25	01-3105						
5	each	Wtr htr/vent	74 05	74 05	01-3105						
1	each	SWMF 2 Auto	1 00	1.00	88-3027						

Total Fees: **$117.30** **Total Amount Paid:** **$117.30** **Paid Today:** **$117.30**

This permit/plan review expires by time limitation and becomes null and void if the work authorized by the permit is not commenced within 180 days from the date of issuance or if the permit is not obtained within 180 days from the date of plan application date. This permit expires and becomes null and void if any work authorized by this permit is suspended or abandoned for 180 consecutive days or if no progressive work has been verified by the City of Arcadia building inspector for a period of 180 consecutive days.

Receipt #: **91219**

01-3105	116.30
88-3027	1 00

CALLS FOR INSPECTION

Requests for inspection should be made at least one (1) business day in advance of the inspection by telephone at (626) 574-5416 for onsite work.

INSPECTORS' OFFICE HOURS

Monday-Thursday	Friday
7 30 a.m. to 8 30 a.m.	7.30 a.m. to 8.30 a.m.
4·00 p.m. to 5 30 p.m.	4·00 p.m. to 4.30 p.m.

(Closed on alternate Fridays)

PERMIT/PLAN REVIEW APPLICATION

Development Services Department, 240 West Huntington Drive, Post Office Box 60021
Arcadia, CA 91066-6021, (626) 574-5416, Fax (626) 447-9173

City of Arcadia

LICENSED CONTRACTOR'S DECLARATION

☑ I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9, commencing with Section 7000, of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class C34 License No. 840136 Exp. Date 6/2010

Signature of Contractor Curt Hunt

OWNER–BUILDER DECLARATION

☐ I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Section 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt there from and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500)):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Section 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, or who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one (1) year of completion, the owner–builder will have the burden of proving that he or she did not build or improve for the purpose of sale).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Section 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law).

☐ I am exempt under Section 7044, Business and Professions Code, for this reason:

_____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☑ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier Southern WSI

Policy Number 8032425 0

(This section need not be completed if the permit is for one hundred dollars or less.)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date 05-17-10 Applicant Curt Hunt

WARNING: Failure to secure workers' compensation coverage is unlawful, and shall subject an employer to criminal penalities and civil fines up to one hundred thousand dollars ($100,000), in addition to the cost of compensation, damages as provided for in Section 3706 of the Labor Code, interest, and attorneys fees.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Section 3097, Civil Code).

Lender's Name _____

Lender's Address _____

IMPORTANT: APPLICATION IS HEREBY MADE TO THE BUILDING OFFICIAL FOR A PERMIT SUBJECT TO THE CONDITIONS AND RESTRICTIONS SET FORTH ON THIS APPLICATION AND THE FOLLOWING:

1. The City's approved plans and permit inspection card must remain on the job site for use by City inspection personnel.
2. Final inspection of the work authorized by this permit is required. The permittee may be entitled to reimbursement of the permit fees if the City fails to conduct an inspection of the permitted work within 60 days of the request for final inspection.
3. Per South Coast Air Quality Management District (AQMD) regulations, renovation and remodeling work that results in the removal, stripping, or altering of asbestos containing materials requires an asbestos survey and removal prior to disturbing the asbestos Please contact AQMD at (909) 396-2000 for further information.

Name Curt Hunt Title Owner

PRINT NAME

I certify that I have read this application and state that the above information is correct and that I am the owner or the duly authorized agent of the owner. I agree to comply with all City ordinances and State laws relating to building construction. I hereby authorize representatives of the City of Arcadia to enter upon the above-mentioned property for inspection purposes.

Signature Curt Hunt Date 5-17-10

City of Arcadia
Development Services Department
240 West Huntington Drive, Post Office Box 60021
Arcadia, CA 91066-6021
(626) 574-5416, Fax (626) 447-9173

PERMIT NO. **B00-044-659**
Permit Type: **Comm Add/Alt**

PROJECT	TRACT NO.	LOT NO.	APPLICATION DATE	ISSUED BY	PRINT DATE	PERMIT STATUS
	06860		10/7/2013	CM	12.34 10/10/2013	Issued

ADDRESS NO. Dir Prefix Street Name Street Suffix UNIT BLG ASSESSORS PARCEL NO. GEO CODE

301 E Huntington Dr **5773-009-065**

OWNER
Kaku, Shigenobu And Hikaru

MAILING ADDRESS
3605 Long Beach Blvd Ste 220
Long Beach, CA 90807

PHONE NO.
EMAIL ADDRESS.

Inspector#: JEFF
Plan Chk#: 13-527
Plan#: 31054

APPLICANT
Quantum Builders, Inc

MAILING ADDRESS

COMPLETED

PHONE NO.
EMAIL ADDRESS:

CONTRACTOR/PROFESSIONAL
Quantum Builders Inc.
License No 764734 Type: B

MAILING ADDRESS
9811 Kempster Avenue
Fontana, CA 92335
Expires: 10/31/2013 12:0(

PHONE NO. (800) 976-9238 FAX NO.
EMAIL ADDRESS:

TENANT
Soup Plantation

MAILING ADDRESS

PHONE NO. FAX NO.

DESCRIPTION
INSTALL ADA COMPLIANT VAN PARKING, CAR PARKING, RAILING, STRIPING AND RAMPS

Construction Type	UOM	# of Units	Value	Construction Type	UOM	# of Units	Value
Value	Value	11,000.00	$11,000 00				

FINAL 3-14-14 JW

OCCUPANCY: Tenant Improve TOTAL VALUATION: $11,000.00

QTY	UOM	DESC	AMT	AMT PAID	ACCT	QTY	UOM	DESC	AMT	AMT PAID	ACCT
	each	Plan review	165 07	165 07	01-3103						
1 00	Flat	Bldg Issue Auto	44.35	44.35	01-3104						
	each	Bldg permit	253 95	253 95	01-3104						
		SMIP Com	2.31	2.31	14-2207						
		grn bldg std	1 00	1 00	714-2203						
1 00	Flat	SWMF Auto	6 25	6.25	88-3027						
1 00	each	SWMF 2 Auto	1 00	1 00	88-3027						

Total Fees: $473.93 **Total Amount Paid:** $473.93 **Paid Today:** $308.86

This permit/plan review expires by time limitation and becomes null and void if the work authorized by the permit is not commenced within 180 days from the date of issuance or if the permit is not obtained within 180 days from the date of plan submittal. This permit expires and becomes null and void if any work authorized by this permit is suspended or abandoned for 180 consecutive days or if no progressive work has been verified by a City of Arcadia building inspector for a period of 180 consecutive days.

Receipt #:	102587
01-3104	298.30
14-2207	2 31
714-2203	1 00
88-3027	7 25

CALLS FOR INSPECTION
Requests for inspection should be made at least one (1) business day in advance of the inspection by telephone at (626) 574-5416 for onsite work.

INSPECTORS' OFFICE HOURS

Monday-Thursday	Friday
7:30 a.m. to 8.30 a.m.	7.30 a.m. to 8:30 a.m.
4:00 p.m. to 5.30 p.m.	4:00 p.m. to 4:30 p.m.

(Closed on alternate Fridays)

PERMIT/PLAN REVIEW APPLICATION

Development Services Department, 240 West Huntington Drive, Post Office Box 60021
Arcadia, CA 91066-6021, (626) 574-5416, Fax (626) 447-9173

City of Arcadia

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9, commencing with Section 7000, of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class B License No. 764734 Exp. Date 10/31/13

Signature of Contractor _____

OWNER–BUILDER DECLARATION

☐ I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Section 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt there from and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500)):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Section 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, or who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one (1) year of completion, the owner–builder will have the burden of proving that he or she did not build or improve for the purpose of sale).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Section 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law).

☐ I am exempt under Section 7044, Business and Professions Code, for this reason:

_____

Date _____ Signature _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☒ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier BENCHMARK INS CO

Policy Number CST5003497

(This section need not be completed if the permit is for one hundred dollars or less.)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date 10/10/13 Signature _____

WARNING: Failure to secure workers' compensation coverage is unlawful, and shall subject an employer to criminal penalties and civil fines up to one hundred thousand dollars ($100,000), in addition to the cost of compensation, damages as provided for in Section 3706 of the Labor Code, interest, and attorneys fees.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Section 3097, Civil Code).

Lender's Name _____

Lender's Address _____

IMPORTANT: APPLICATION IS HEREBY MADE TO THE BUILDING OFFICIAL FOR A PERMIT SUBJECT TO THE CONDITIONS AND RESTRICTIONS SET FORTH ON THIS APPLICATION AND THE FOLLOWING:

1. The City's approved plans and permit inspection card must remain on the job site for use by City inspection personnel.
2. Final inspection of the work authorized by this permit is required. A Certificate of Occupancy must be obtained prior to use and occupancy of new buildings and structures.
3. Per South Coast Air Quality Management District (AQMD) regulations, renovation and remodeling work that results in the removal, stripping, or altering of asbestos containing materials requires an asbestos survey and removal prior to disturbing the asbestos. Please contact AQMD at (909) 396-2000 for further information.

Name PHILIP CALDERA Title PRESIDENT

PRINT NAME

I certify that I have read this application and state that the above information is correct and that I am the owner or the duly authorized agent of the owner. I agree to comply with all City ordinances and State laws relating to building construction. I hereby authorize representatives of the City of Arcadia to enter upon the above-mentioned property for inspection purposes.

Signature _____ Date 10/10/13

APPENDIX 8.6 - Sanborn Map Report

Elite Holdings
301 East Huntington Drive
Arcadia, CA 91006

Inquiry Number: 6392358.3
March 04, 2021

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

03/04/21

Site Name:

Elite Holdings
301 East Huntington Drive
Arcadia, CA 91006
EDR Inquiry # 6392358.3

Client Name:

Enviroassessors Inc.
1158 East Route 66
Glendora, CA 91740
Contact: Norman Sacro

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Enviroassessors Inc. were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # DF12-4369-8720

PO # NA

Project 1146-332-01-0001

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

Sanborn® Library search results

Certification #: DF12-4369-8720

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

The Sanborn Library LLC Since 1866™

Limited Permission To Make Copies

Enviroassessors Inc. (the client) is permitted to make up to FIVE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

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APPENDIX 8.7 - City Directory Report

Elite Holdings
301 East Huntington Drive
Arcadia, CA 91006

Inquiry Number: 6392358.5
March 05, 2021

The EDR-City Directory Abstract

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction orforecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1920 through 2014. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 660 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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Data by
infoUSA®
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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Year	Source	TP	Adjoining	Text Abstract	Source Image
2014	Cole Information Services	X	X	X	-
2009	Cole Information Services	X	X	X	-
2006	Haines Company	-	X	X	-
	Haines Company	X	X	X	-
2004	Cole Information Services	-	X	X	-
	Cole Information Services	X	X	X	-
	Haines Company	-	-	-	-
	Haines Company	X	-	X	-
2003	Haines & Company	-	-	-	-
2001	Haines & Company, Inc.	-	-	-	-
2000	Pacific Bell Telephone	-	-	-	-
1999	Cole Information Services	-	X	X	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1999	Cole Information Services	X	X	X	-
	Haines Company	-	X	X	-
	Haines Company	X	X	X	-
1996	GTE	-	-	-	-
1995	Pacific Bell	-	X	X	-
	Pacific Bell	X	X	X	-
1994	Cole Information Services	X	X	X	-
1992	PACIFIC BELL WHITE PAGES	-	-	-	-
1991	Pacific Bell	-	-	-	-
1990	Pacific Bell	-	X	X	-
1986	Pacific Bell	-	X	X	-
1985	Pacific Bell	-	X	X	-
1981	Pacific Telephone	-	X	X	-
1980	Pacific Telephone	-	X	X	-
1976	Pacific Telephone	-	X	X	-
1975	Pacific Telephone	-	X	X	-
1972	R. L. Polk & Co.	-	-	-	-
1971	R. L. Polk & Co.	-	-	-	-
1970	Pacific Telephone	-	X	X	-
1969	Pacific Telephone	-	-	-	-
1967	R. L. Polk & Co.	-	-	-	-
1966	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1965	GTE	-	-	-	-
1964	Pacific Telephone	-	-	-	-
1963	Pacific Telephone	-	-	-	-
1962	Pacific Telephone	-	-	-	-
1961	R. L. Polk & Co.	-	-	-	-
1960	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1958	Pacific Telephone	-	-	-	-
1957	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1956	Pacific Telephone	-	-	-	-
1955	R. L. Polk & Co.	-	-	-	-
1954	R. L. Polk & Co.	-	-	-	-
1952	Los Angeles Directory Co.	-	-	-	-
1951	Los Angeles Directory Co Publishers	-	-	-	-
1950	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1949	Los Angeles Directory Co.	-	-	-	-
1948	Los Angeles Directory Co.	-	-	-	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1947	Pacific Directory Co.	-	-	-	-
1946	Southern California Telephone Co	-	-	-	-
1945	The Glendale Directory Co.	-	-	-	-
1944	R. L. Polk & Co.	-	-	-	-
1942	Los Angeles Directory Co.	-	-	-	-
1940	Los Angeles Directory Co.	-	-	-	-
1939	Los Angeles Directory Co.	-	-	-	-
1938	Los Angeles Directory Company Publishers	-	-	-	-
1937	Los Angeles Directory Co.	-	-	-	-
1936	Los Angeles Directory Co.	-	-	-	-
1935	Los Angeles Directory Co.	-	-	-	-
1934	Los Angeles Directory Co.	-	-	-	-
1933	Los Angeles Directory Co.	-	-	-	-
1932	Los Angeles Directory Co.	-	-	-	-
1931	Los Angeles Directory Company Publishers	-	-	-	-
1930	Los Angeles Directory Co.	-	-	-	-
1929	Los Angeles Directory Co.	-	-	-	-
1928	Los Angeles Directory Co.	-	-	-	-
1927	Los Angeles Directory Co.	-	-	-	-
1926	Los Angeles Directory Co.	-	-	-	-
1925	Los Angeles Directory Co.	-	-	-	-
1924	Los Angeles Directory Co.	-	-	-	-
1923	Los Angeles Directory Co.	-	-	-	-
1921	Los Angeles Directory Co.	-	-	-	-
1920	Los Angeles Directory Co.	-	-	-	-

EXECUTIVE SUMMARY

SELECTED ADDRESSES

The following addresses were selected by the client, for EDR to research. An "X" indicates where information was identified.

Address	***Type***	***Findings***
311 E Huntington	Client Entered	X
333 East Huntington Drive	Client Entered	X
400 East Huntington Drive	Client Entered	X
430 East Huntington Drive	Client Entered	X
300 East Huntington Drive	Client Entered	X
233 East Huntington Drive	Client Entered	X

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

301 East Huntington Drive
Arcadia, CA 91006

FINDINGS DETAIL

Target Property research detail.

E HUNTINGTON DR

301 E HUNTINGTON DR

Year	*Uses*	*Source*
2014	EUGH SHIBASAKI	Cole Information Services
	IRENE GONZALO	Cole Information Services
	METHODIST HOSPITAL PSYCHIATRIC INPAT	Cole Information Services
	SOUPLANTATION & SWEET TOMATOES	Cole Information Services
2009	GARDEN FRESH RESTAURANT CORP	Cole Information Services
	L GORDON	Cole Information Services
	SOUPLANTATION	Cole Information Services
2006	SOUPLANTATION	Haines Company
2004	RAO DALUVOY	Cole Information Services
	SOUPLANTATION	Cole Information Services
1999	BOOKIN ALAN S MD	Cole Information Services
	FAUBLE THOMAS J MD	Cole Information Services
	FERRA RAMON U MD	Cole Information Services
	L GORDON	Cole Information Services
	NEWTON TODD W DDS	Cole Information Services
	RAPPOPORT STANLEY MD	Cole Information Services
	SIEW ROBERT MD	Cole Information Services
	SOFER MATTHEW L MD	Cole Information Services
	SOUPLANTATION	Cole Information Services
	SOUTHERN CALIFORNIA HEART SPECIALISTS	Cole Information Services
	VELKURU HYMAVATHI MD	Cole Information Services
	VOGELBACH K HEINER MD	Cole Information Services
	YOUNG PETER DDS	Cole Information Services
1995	SOUPLANTATION	Pacific Bell
1994	SOUPLANTATION	Cole Information Services

FINDINGS

Year	Uses	Source
1966	ARCADIA MOTORS	Pacific Telephone
1960	LOWELL & STOUT UNION SERV	Pacific Telephone
	UNION OIL DLRS	Pacific Telephone
1957	LOWELL & STOUT UNION SERV	Pacific Telephone
1950	PUTMAN A E SERV STN	Pacific Telephone

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

BONITA ST

280 BONITA ST

Year	Uses	Source
2006	MORALES Robert J	Haines Company
	RITCHIE David	Haines Company

334 BONITA ST

Year	Uses	Source
1994	LIU, JUN	Cole Information Services

E Huntington

311 E Huntington

Year	Uses	Source
2006	HAMPTONINN	Haines Company
	ARCADIA PREMIER	Haines Company
	MANAGEMENT	Haines Company
1995	HAMPTON INN ARCADIA	Pacific Bell
	L Hampton Inn Arcadia	Pacific Bell
1950	ARCADIA GLASS & MIRROR CO	Pacific Telephone
	HOWELL L R ARCADIA GLASS & MIRROR CO	Pacific Telephone
	ARCADIA GLASS & MIRROR CO	Pacific Telephone
	HOWELL L R ARCADIA GLASS & MIRROR CO	Pacific Telephone

E HUNTINGTON DR

211 E HUNTINGTON DR

Year	Uses	Source
2014	MOONLAKE GIFT & NOVELTIES	Cole Information Services
	EMBASSY SUITES ARCADIA	Cole Information Services
2006	AND NOVELTIES SEARS CAR	Haines Company
	CAPISTRANOS	Haines Company
	ARCADIA	Haines Company
	RESTAURANT EMBASSY SUITES	Haines Company

FINDINGS

Year	Uses	Source
2006	CATERING CAPISTRANOS	Haines Company
	TRUCK RENTAL	Haines Company
	MOONLAKE GIFT	Haines Company
2004	ARTESIENT INC	Cole Information Services
	SEARS CAR & TRUCK RENTAL	Cole Information Services
	CAPISTRANOS RESTAURANT	Cole Information Services
1999	UPTOWN GIFTS	Cole Information Services
	MOONLAKE GIFTS & NOVELTIES	Cole Information Services
	BUDGET CAR AND TRUCK RENTAL ARCADIA	Cole Information Services
	SEARS CAR & TRUCK RENTAL ARCADIA	Cole Information Services
	CAPISTRANOS CATERING	Cole Information Services
	EMBASSY SUITES HOTEL	Cole Information Services
	CAPISTRANOS RESTAURANT	Cole Information Services
1995	Granada Royale Hometel Embassy Suites	Pacific Bell
	Granada Royale Hometels For Reservations No Charge To Calling Party	Pacific Bell
	Granade Christine & Paul Arc	Pacific Bell
	Granade Gary & Sheryl Arc	Pacific Bell
	Uptown Gifts	Pacific Bell
	Velvet Turtle The restrnt	Pacific Bell
	BUDGET CAR & TRUCK RENTAL	Pacific Bell
	EMBASSY SUITES HOTEL	Pacific Bell
	GRANADA ROYALE HOMETEL-EMBASSY SUITES	Pacific Bell
	UPTOWN GIFTS	Pacific Bell
	VELVET TURTLE THE RESTRNT	Pacific Bell
1994	EMBASSY SUITES HOTEL	Cole Information Services
	VELVET TURTLE	Cole Information Services
	HIS&HERS GIFTS	Cole Information Services
	BUDGET RENT A CAR	Cole Information Services
1990	EMBASSY SUITES HOTEL HOTELS	Pacific Bell
	GRANADA ROYALE HOMETEL-EMBASSY SUITES ARCADIA	Pacific Bell
1986	EMBASSY SUITES HOTEL HOTELS	Pacific Bell
	GRANADA ROYALE HOMETEL EMBASSY SUITES ARCADIA	Pacific Bell
	HERTZ RENT A CAR RENTAL LOCATIONS ARCADIA GRANADA ROYALE HOMETEL ARCADIA	Pacific Bell

Year	Uses	Source
1985	EMBASSY SUITES	Pacific Bell
	GRANADA ROYALE HOMETEL-EMBASSY SUITES	Pacific Bell
	HERTZ RENT A CAR RENTAL LOCATIONS	Pacific Bell
	ROYALE PARROTT THE	Pacific Bell
	VELVET TURTLE THE RESTRNT	Pacific Bell
	HERTZ RENT A CAR	Pacific Bell
	HERTZ RENT A CAR RENTAL LOCATIONS	Pacific Bell

215 E HUNTINGTON DR

Year	Uses	Source
1966	CITY REFUSE SERV CO	Pacific Telephone
	ARCADIA CITY REFUSE SERV CO	Pacific Telephone
1960	ARCADIA CITY REFUSE SERV CO	Pacific Telephone
	CITY REFUSE SERV CO	Pacific Telephone
1957	CITY REFUSE SERV CO	Pacific Telephone
1950	MILLER MILDRED	Pacific Telephone
	MILLER MILDRED	Pacific Telephone
	MODERN INSULATION CO	Pacific Telephone
	MODERN INSULATION CO	Pacific Telephone

217 E HUNTINGTON DR

Year	Uses	Source
1966	BLANCHARD CO INC	Pacific Telephone
1957	BLANCHARD CO	Pacific Telephone

218 E HUNTINGTON DR

Year	Uses	Source
1985	KLECKNER ROBT F	Pacific Bell
1980	KLECKNER ROBT F E HUNTINGTON DR ARCADIA	Pacific Telephone
1975	KLECKNER ROBT F	Pacific Telephone
1966	KLECKNER ROBT F	Pacific Telephone
1960	KLECKNER ROBT F	Pacific Telephone
1957	KLECKNER ROBT F	Pacific Telephone

219 E HUNTINGTON DR

Year	Uses	Source
1950	NOTTINGHAM M C CO CHEML TOILTS	Pacific Telephone

FINDINGS

Year	Uses	Source
1950	NOTTINGHAM M C CO CHEML TOILTS	Pacific Telephone

222 E HUNTINGTON DR

Year	Uses	Source
1957	HAND-Y MAN CAR WASH	Pacific Telephone
1950	DERBY MOTORS USED CATS	Pacific Telephone
	DERBY MOTORS USED CATS	Pacific Telephone

223 E HUNTINGTON DR

Year	Uses	Source
1950	BAKER SEPTIC TANK CO	Pacific Telephone
	BAKER SEPTIC TANK CO	Pacific Telephone

231 E HUNTINGTON DR

Year	Uses	Source
1995	Ralphs Florist	Pacific Bell
	I Ralphs Florist Pasadena	Pacific Bell
1966	ARCH THE TAILOR	Pacific Telephone
	WALKER ARCH T	Pacific Telephone
1960	ARCH THE TAILOR	Pacific Telephone
	WALKER ARCH T	Pacific Telephone
1957	REINEMAN HOWARD	Pacific Telephone
1950	REINEMAN HOWARD R	Pacific Telephone
	REINEMAN HOWARD R	Pacific Telephone

233 E HUNTINGTON DR

Year	Uses	Source
2014	DERBY THE RESTRNT	Cole Information Services
	DERBY THE RESTRNT	Cole Information Services
2009	THE DERBY RESTAURANT	Cole Information Services
	THE DERBY RESTAURANT	Cole Information Services
2006	DERBYTHE	Haines Company
2004	DOMINIC STURNIOLO	Cole Information Services
	DOMINIC STURNIOLO	Cole Information Services
1999	THE DERBY RESTRNT	Cole Information Services
	THE DERBY RESTRNT	Cole Information Services
1995	DERBY THE RESTET	Pacific Bell
	THE DERBY RESTRNT	Pacific Bell
	The Derby restrnt	Pacific Bell
1994	DERBY	Cole Information Services

FINDINGS

Year	Uses	Source
1994	DERBY	Cole Information Services
1985	DERBY THE RESTRNT	Pacific Bell
	THE DERBY RESTRNT	Pacific Bell
1980	THE DERBY RESTRUT E HUNTINGTON DR ARCADIA	Pacific Telephone
	DERBY THE RESTRNT E HUNTINGTON DR ARCADIA	Pacific Telephone
1975	DERBY THE RESTRNT	Pacific Telephone
	ROGUES THE	Pacific Telephone
	THE DERBY RESTRNT	Pacific Telephone
1966	DERBY THE RESTRNT	Pacific Telephone
	THE DERBY RESTRNT	Pacific Telephone
1960	DERBY THE RESTRNT	Pacific Telephone
	THE DERBY RESTRNT	Pacific Telephone
1957	DERBY THE RESTRNT	Pacific Telephone
	THE DERBY RESTRNT	Pacific Telephone
1950	WOOLF GENEVIEVE DERBY THE RESTRNT	Pacific Telephone
	CAYER ROSS E MRS R	Pacific Telephone
	CAYER ROSS E MRS R	Pacific Telephone
	DERBY THE RESTRNT	Pacific Telephone
	DERBY THE RESTRNT	Pacific Telephone
	WOOLF GENEVIEVE DERBY THE RESTRNT	Pacific Telephone

251 E HUNTINGTON DR

Year	Uses	Source
1994	CJP FINANCIAL SVC	Cole Information Services

253 E HUNTINGTON DR

Year	Uses	Source
1994	HOWARD INVESTMENT REALTY	Cole Information Services

258 E HUNTINGTON DR

Year	Uses	Source
1994	HOGAN & HOGAN INC	Cole Information Services

260 E HUNTINGTON DR

Year	Uses	Source
1995	von Allou Salon For Hair	Pacific Bell

FINDINGS

285 E HUNTINGTON DR

Year	Uses	Source
1994	PUHICH, MIKE	Cole Information Services
1985	GONZALES SAL	Pacific Bell

300 E HUNTINGTON DR

Year	Uses	Source
2014	KIDSART ARCADIA	Cole Information Services
	STARBUCKS COFFEE	Cole Information Services
	KIDSART ARCADIA	Cole Information Services
	STARBUCKS COFFEE	Cole Information Services
2006	STARBUCKS	Haines Company
	COFFEE	Haines Company
1999	STARBUCKS COFFEE	Cole Information Services
	STARBUCKS COFFEE	Cole Information Services
1995	FAST FRAME ARCADIA	Pacific Bell
	Arcadia	Pacific Bell
	Arcadia	Pacific Bell
	FASTFRAME ARCADIA	Pacific Bell
1994	FAST FRAME	Cole Information Services
	FAST FRAME	Cole Information Services
1981	CLEAN & CLEAR & CROWN CITY POOL SERVICE ARCADIA	Pacific Telephone
1980	CLEAN & CLEAR & CROWN CITY POOL SERVICE E HUNTINGTON DR ARCADIA	Pacific Telephone
1975	CLEAN & CLEAR POOL SERVICE CO	Pacific Telephone
	CLEAN & CLEAR & CROWN CITY POOL SERVICE	Pacific Telephone
1966	CLEAN & CLEAR POOL SERV CO	Pacific Telephone
	CLEAN & CLEAR POOL SEW CO	Pacific Telephone
1960	CLEAN & CLEAR POOL SERV CO	Pacific Telephone
1957	VAUGHN K W DECOR	Pacific Telephone

302 E HUNTINGTON DR

Year	Uses	Source
2014	MAKI & SUSHI ARCADIA	Cole Information Services
2009	MAKI & SUSHI	Cole Information Services
2006	MAKI&SUSHI	Haines Company
	ARCADIA	Haines Company
1999	SALSA DEL RIO	Cole Information Services

FINDINGS

Year	Uses	Source
1995	Salsa Del Rio	Pacific Bell
	SALSA DEL RIO	Pacific Bell
1994	SALSA DEL RIO	Cole Information Services
1975	TWISTO-WIRE FIRE SYSTEMS INC	Pacific Telephone
1966	TWISTO-WIRE FIRE SYSTEMS INC	Pacific Telephone
1960	SKLAR REUBEN C CPA	Pacific Telephone

304 E HUNTINGTON DR

Year	Uses	Source
2014	CHAVEZ TILA HAIR STYLIST	Cole Information Services
	SALON OF PARIS	Cole Information Services
	NATURAL SKIN CARE	Cole Information Services
2009	SALON OF PARIS	Cole Information Services
2006	SALON OF PARIS	Haines Company
	DINASOUEIDAN	Haines Company
2004	DINA SOUEIDAN	Cole Information Services
	SALON OF PARIS	Cole Information Services
	DINA ELECTROLYSIS	Cole Information Services
1999	SIGNDEPOT	Cole Information Services
1995	From Glendale Telephones Call	Pacific Bell
	Cellular Telephone Solutions	Pacific Bell
	Cellular Telecom	Pacific Bell
	Cellular Services	Pacific Bell
	CELLULAR SERVICES	Pacific Bell
1994	CELLULAR SERVICES	Cole Information Services
1986	RENTYPE INC ARCADIA	Pacific Bell
1985	RENTYPE INC OFC EQUIP	Pacific Bell
	RENTYPE INC	Pacific Bell
1981	RENTYPE INC ARCADIA	Pacific Telephone
1980	RENTYPE INC E HUNTINGTON DR ARCADIA	Pacific Telephone
1975	RENTYPE INC	Pacific Telephone
1970	FENWAL INCORPORATED DIVISION OF WALTER KIDDE & COMPANY INC PROTCTN SYSTM	Pacific Telephone
	FENWAL INCORPORATED DIVISION OF WALTER KIDDE & COMPANY INC PROTCTN SYSTM	Pacific Telephone
1960	TRUCK INS EXCH	Pacific Telephone
	PAULSON A B INS	Pacific Telephone

FINDINGS

Year	Uses	Source
1960	FARMERS NEW WORLD LIFE INS CO INS	Pacific Telephone
	FIRE INS EXCH	Pacific Telephone
1957	TRUCK INS EXCH	Pacific Telephone
	MUNSON A J INS	Pacific Telephone
	FIRE INS EXCH	Pacific Telephone

308 E HUNTINGTON DR

Year	Uses	Source
2014	SESAME GRILL	Cole Information Services
2009	SESAME GRILL	Cole Information Services
2006	SESAME GRILL	Haines Company
2004	SESAME GRILL	Cole Information Services
1999	SESAME GRILL	Cole Information Services
1995	Smoochs Deli & Grill	Pacific Bell
	SMOOCH S DELI & GRILL	Pacific Bell
1994	SMOOCHS DELI & GRILL	Cole Information Services
1966	HANSON JOHN R SIGNS	Pacific Telephone

310 E HUNTINGTON DR

Year	Uses	Source
2014	3 DAY BLINDS	Cole Information Services
2006	3 DAY BLINDS	Haines Company
2004	3 DAY BLINDS	Cole Information Services
1999	3 DAY BLINDS ARCADIA	Cole Information Services
1995	Arcadia	Pacific Bell
	3DAY BLINDS	Pacific Bell
1994	3 DAY BLINDS	Cole Information Services
1985	ARCADIA MUFFLER SERVICE	Pacific Bell
1980	ARCADIA MUFFLER SERVICE E HUNTINGTON DR ARCADIA	Pacific Telephone
1975	ARCADIA MUFFLER SERVICE	Pacific Telephone
1966	ARCADIA MUFFLER SERVICE	Pacific Telephone
1960	MALER PLUMBING & HEATING	Pacific Telephone
1957	MILLER KATHRYN L	Pacific Telephone
	MALER PLUMBNG & HEATING	Pacific Telephone
1950	MILLER KATHRYN L R	Pacific Telephone
	MALEIR MANUEL MRS R	Pacific Telephone
	MALER PLUMBNG CO	Pacific Telephone
	MILLER KATHRYN L R	Pacific Telephone

Year	Uses	Source
1950	MALEIR MANUEL MRS R	Pacific Telephone
	MALER PLUMBNG CO	Pacific Telephone

311 E HUNTINGTON DR

Year	Uses	Source
2014	HAMPTON INN & SUITES ARCADIA	Cole Information Services
	HAMPTON INN ARCADIA	Cole Information Services
	HAMPTON INN LOS ANGELES ARCADIA PASA	Cole Information Services
	HAMPTON INN & SUITES ARCADIA	Cole Information Services
	HAMPTON INN ARCADIA	Cole Information Services
	HAMPTON INN LOS ANGELES ARCADIA PASA	Cole Information Services
2009	HEPRAND HOSPITALITY INC	Cole Information Services
	HAMPTON INN LOS ANGELES	Cole Information Services
	HEPRAND HOSPITALITY INC	Cole Information Services
	HAMPTON INN LOS ANGELES	Cole Information Services
2006	MANAGEMENT	Haines Company
	ARCADIA PREMIER	Haines Company
	HAMPTONINN	Haines Company
2004	PREMIER MANAGEMENT	Cole Information Services
	HAMPTON INN ARCADIA	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services
	PREMIER MANAGEMENT	Cole Information Services
	HAMPTON INN ARCADIA	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services
1999	HAMPTON INN ARCADIA	Cole Information Services
	HAMPTON INN ARCADIA	Cole Information Services
1995	HAMPTON INN ARCADIA	Pacific Bell
	L Hampton Inn Arcadia	Pacific Bell
1994	HAMPTON INN	Cole Information Services
	HAMPTON INN	Cole Information Services
1950	HOWELL L R ARCADIA GLASS & MIRROR CO	Pacific Telephone
	ARCADIA GLASS & MIRROR CO	Pacific Telephone
	HOWELL L R ARCADIA GLASS & MIRROR CO	Pacific Telephone
	ARCADIA GLASS & MIRROR CO	Pacific Telephone

FINDINGS

312 E HUNTINGTON DR

Year	Uses	Source
2014	TOGOS	Cole Information Services
2009	TOGOS EATERY	Cole Information Services
2006	TOGOS EATERY	Haines Company
2004	TOGOS EATERY	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services
1999	GOLDSMITH & SONS	Cole Information Services
1975	CLARK WM J ATTY	Pacific Telephone
1960	TURMON WILMA	Pacific Telephone
1950	UPDEGRAFF W C R	Pacific Telephone
	UPDEGRAFF W C R	Pacific Telephone

313 E HUNTINGTON DR

Year	Uses	Source
1985	MR BUILD ALLISON CONSTRUCTION	Pacific Bell
1980	KARMAN COMMUNICATIONS E HUNTINGTON DR ARCADIA	Pacific Telephone
1975	MAINLINE KITCHENS	Pacific Telephone
1960	FIX IT SHOP	Pacific Telephone

314 E HUNTINGTON DR

Year	Uses	Source
2014	NIRVANA	Cole Information Services
2006	NIRVAN	Haines Company
2004	NIRVANA	Cole Information Services
1999	NIRVANA	Cole Information Services
1995	Coffee Excellence	Pacific Bell
1975	ALFREDS HAIRSTYLING	Pacific Telephone
1960	DESI S HAIRSTYLING	Pacific Telephone
	ALFREDS HAIRSTYLING	Pacific Telephone
	WILSON F J	Pacific Telephone
1957	DESI S HAIRSTYLING	Pacific Telephone
	WILSON F J	Pacific Telephone

315 E HUNTINGTON DR

Year	Uses	Source
1975	GUY S FRIENDLY SERVICE	Pacific Telephone
1966	ARCADIA PUBLIC STENOGRAPHER	Pacific Telephone
	ARCADIA TOWING	Pacific Telephone
1957	ARCADIA SEAT COVERS	Pacific Telephone

FINDINGS

Year	Uses	Source
1957	MUELLER GEO FIXIT SHOP	Pacific Telephone

316 E HUNTINGTON DR

Year	Uses	Source
1957	AHLREP ALICE	Pacific Telephone
1950	LEWIS DAVID M R	Pacific Telephone
	LEWIS DAVID M R	Pacific Telephone

317 E HUNTINGTON DR

Year	Uses	Source
1985	SANTA ANITA AUTO BODY	Pacific Bell
1980	SANTA ANITA AUTO BODY E HUNTINGTON DR ARCADIA	Pacific Telephone
1975	SANTA ANITA AUTO BODY	Pacific Telephone
1957	GUYS FRIENDLY SERV	Pacific Telephone

318 E HUNTINGTON DR

Year	Uses	Source
1995	PLAZA HOME SAVINGS BANK FSB	Pacific Bell
	Plaza Home Savings Bank FS B	Pacific Bell
1960	SMITH GARY L	Pacific Telephone
	SMITH BEVERLY T	Pacific Telephone

320 E HUNTINGTON DR

Year	Uses	Source
2014	BEAR ESSENTIALS	Cole Information Services
2009	BEAR ESSENTIALS	Cole Information Services
2006	SHOPPE	Haines Company
	BEAR ESSENTIALS	Haines Company
2004	BEAR ESSENTIALS	Cole Information Services
1999	BEAR ESSENTIALS SHOPPE	Cole Information Services
1966	ACE BLDG SPEC	Pacific Telephone
1960	SONNENFELD EDW A	Pacific Telephone
	EDDIES RADIO & TV SERV	Pacific Telephone
1957	MONGE DENNIS G	Pacific Telephone
	EDDIE S RADIO & TV SERV	Pacific Telephone

321 E HUNTINGTON DR

Year	Uses	Source
2014	RESIDENCE INN PASADENA ARCADIA	Cole Information Services

FINDINGS

Year	Uses	Source
2009	MARRIOTT INTERNATIONAL INC	Cole Information Services
	THE RESIDENCE INN ARCADIA	Cole Information Services
2004	SANDRA FINCHER	Cole Information Services
	RESIDENCE INN BY MARRIOTT	Cole Information Services
	MARK BONGIORNO	Cole Information Services
	STEVEN BROWN	Cole Information Services
	ERIN SCONZERT	Cole Information Services
1999	INN BY MARRIOTT	Cole Information Services
	RESIDENCE INN BY MARRIOTT	Cole Information Services
1995	RESIDENCE INN ARCADIA THE	Pacific Bell
	RESIDENCE INN BY MARRIOTT	Pacific Bell
	Residence inn Arcadia The	Pacific Bell
	Residence Inn By Marriott	Pacific Bell
1994	RESIDENCE INN	Cole Information Services

322 E HUNTINGTON DR

Year	Uses	Source
1980	ARISPE K M E HUNTINGTON DR ARCADIA	Pacific Telephone
1975	SELBY DORCUS	Pacific Telephone
1960	CUMBERLAND EARL	Pacific Telephone
	CUMBERLAND LINDY	Pacific Telephone
1957	COLE GILBERT R	Pacific Telephone
	HARPER LIDA R MRS	Pacific Telephone
	HENCH STANLEY	Pacific Telephone
1950	AGNEW C H R	Pacific Telephone
	MITSON GERALD S R	Pacific Telephone
	AGNEW C H R	Pacific Telephone
	MITSON GERALD S R	Pacific Telephone

324 E HUNTINGTON DR

Year	Uses	Source
2014	LESLIES SWIMMING POOL SUPPLIES	Cole Information Services
2009	LESLIES SWIMMING POOL SUPPLIES	Cole Information Services
	LESLIES POOLMART INC	Cole Information Services
2006	LESLIES SWIMMING	Haines Company
	POOL SPLY	Haines Company
2004	LESLIES SWIMMING POOL SUPPLIES	Cole Information Services
1999	LESLIES SWIMMING POOL SUPPLIES	Cole Information Services

FINDINGS

Year	Uses	Source
1966	ALFRED S HAIR STYLING	Pacific Telephone
1950	TIMMIES BABY & LINGERIE SHOPPE	Pacific Telephone
	TIMMIES BABY & LINGERIE SHOPPE	Pacific Telephone

326 E HUNTINGTON DR

Year	Uses	Source
1985	DERBY MOTEL	Pacific Bell
1980	DERBY MOTEL E HUNTINGTON DR ARCADIA	Pacific Telephone
1975	SPELLINGS SYDNEY	Pacific Telephone
	SPELLINGS JAS D	Pacific Telephone
	SNELSON J	Pacific Telephone
	DERBY MOTEL	Pacific Telephone
1966	DERBY MOTEL	Pacific Telephone
1960	DERBY MOTEL	Pacific Telephone
1950	DERBY MOTEL	Pacific Telephone
	DERBY MOTEL	Pacific Telephone

328 E HUNTINGTON DR

Year	Uses	Source
2014	SCOTTRADE	Cole Information Services
2009	MALYS	Cole Information Services
	SCOTTRADE INC	Cole Information Services
2006	MALYSINC	Haines Company
2004	MALYS INC	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services
1999	MALYS INCORPORATED	Cole Information Services
1995	Malys Inc	Pacific Bell
	MALY S INC	Pacific Bell

332 E HUNTINGTON DR

Year	Uses	Source
2014	EASTWOOD INSURANCE	Cole Information Services
	COSMOPROF	Cole Information Services
2009	EASTWOOD INSURANCE SERVICES	Cole Information Services
2006	EASRTWOOD	Haines Company
	INSURANCE	Haines Company
2004	EASTWOOD INSURANCE	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services
1999	EASTWOOD INSURANCE SERVICES	Cole Information Services

FINDINGS

Year	Uses	Source
1995	Santa Anita Escrow Inc	Pacific Bell
	SANTA ANITA ESCROW INC	Pacific Bell
1994	SANTA ANITA ESCROW INC	Cole Information Services
1986	VERLATO & WILLIAMS ARCADIA	Pacific Bell

333 E HUNTINGTON DR

Year	Uses	Source
2014	FUSIONS BAR & GRILL	Cole Information Services
	CAPITAL SEAFOOD RESTAURANT	Cole Information Services
	FUSIONS BAR & GRILL	Cole Information Services
	CAPITAL SEAFOOD RESTAURANT	Cole Information Services
2009	TONY ROMAS	Cole Information Services
	CONSOLIDATED RIBS INC	Cole Information Services
	TONY ROMAS	Cole Information Services
	CONSOLIDATED RIBS INC	Cole Information Services
2006	TONY ROMAS	Haines Company
	PLACE FOR Ri	Haines Company
1999	TONY ROMAS A PLACE FOR RIBS	Cole Information Services
	TONY ROMAS A PLACE FOR RIBS	Cole Information Services
1995	SUPERCUTS	Pacific Bell
	TONY ROMAS A PLACE FOR RIBS	Pacific Bell
1994	TONY ROMAS	Cole Information Services
	TONY ROMAS	Cole Information Services
1986	ARCADIA NISSAN ARCADIA	Pacific Bell
1985	A LOW DAILY RENT A CAR	Pacific Bell
	ARCADIA AMC JEEP RENAULT	Pacific Bell
	ARCADIA DATSUN	Pacific Bell
	ARCADIA DATSUN AMC JEEP RENAULT	Pacific Bell
	LOW LEASING CO	Pacific Bell
1980	A LOW BUDGET RENT-A-CAR E HUNTINGTON DR ARCADIA	Pacific Telephone
	A-LOW DAILY RENT-A-CAR E HUNTINGTON DR ARCADIA	Pacific Telephone
	ARCADIA DATSUN E HUNTINGTON DR ARCADIA	Pacific Telephone
	ARCADIA DATSUN INC E HUNTINGTON DR ARCADIA	Pacific Telephone
	ARCADIA DATSUN USED CARS E HUNTINGTON DR ARCADIA	Pacific Telephone

Year	Uses	Source
1980	LOW LEASING CO E HUNTINGTON DR ARCADIA	Pacific Telephone
1975	ARCADIA DATSUN	Pacific Telephone
	ARCADIA DATSUN INC	Pacific Telephone
	ARCADIA DATSUN LEASING	Pacific Telephone
1966	TIPTON L C OLDS MOBILE	Pacific Telephone
1957	HENDERSON OLDS MOBILE	Pacific Telephone

334 E HUNTINGTON DR

Year	Uses	Source
1986	MULLEN KENNETH I CONSULTING ENGINEERS INC ARCADIA	Pacific Bell
1985	BROCK BARRY E	Pacific Bell
	BROCK & LAMPIER AN ACCOUNTANCY CORP	Pacific Bell
	LAMPIER MICHAEL J	Pacific Bell
	LENHARDT JUDITH ENROLLED AGENT	Pacific Bell
	MULLEN KENNETH I CONSULTING ENGINEERS INC	Pacific Bell
	YOUNG IRVEN ENROLLED AGENT	Pacific Bell
1981	MULLEN KENNETH I CONSULTING ENGINEERS INC ARCADIA	Pacific Telephone
1980	STEVENSON C ARNOLD INSURANCE E HUNTINGTON DR ARCADIA	Pacific Telephone
	STEVENSON C A CO E HUNTINGTON DR ARCADIA	Pacific Telephone
	WHEELER RAY INVESTMT E HUNTINGTON DR ARCADIA	Pacific Telephone
	BEER MEISTER OF SO CALIF E HUNTINGTON DR ARCADIA	Pacific Telephone
	JENKINS & JENKINS ACCOUNTANCY CORP E HUNTINGTON DR ARCADIA	Pacific Telephone
	MULLEN KENNETH I CONSULTING ENGINEERS INC E HUNTINGTON DR ARCADIA	Pacific Telephone
	NEWMAN & FERRARA ASSN E HUNTINGTON DR ARCADIA	Pacific Telephone
	NEWREAL INC E HUNTINGTON DR ARCADIA	Pacific Telephone
	SPENCER & ASSOCIATES REALTORS E HUNTINGTON DR ARCADIA	Pacific Telephone
1975	AL S CUSTOM TOP SHOP	Pacific Telephone
1966	ALS CUSTOM TOP SHOP	Pacific Telephone
	LOMBARDO S AUTOMOTIVE SERV	Pacific Telephone

FINDINGS

Year	Uses	Source
1966	RICHFIELD SERVICE STATIONS	Pacific Telephone
1960	CHAPPS AUTOMOTIVE SERV	Pacific Telephone
	RICHFIELD SERVICE STATIONS	Pacific Telephone
1957	CHAPPS AUTOMOTIVE SERV	Pacific Telephone
1950	CHAPPS AUTOMOTIVE SERV	Pacific Telephone
	CHAPPS AUTOMOTIVE SERV	Pacific Telephone

336 E HUNTINGTON DR

Year	Uses	Source
2009	AMERICAN PREMIER BANCORP	Cole Information Services
2006	BANK CORP	Haines Company
	AMER PREMIER	Haines Company
2004	AMERICAN PREMIER BANCORP	Cole Information Services
1999	BLACK ALAN FAX LINE	Cole Information Services
	COLDWELL BANKER RESIDENTIAL REAL ESTATE SERVICES	Cole Information Services
1995	COLDWELL BANKER RESIDENTIAL REAL ESTATE SERVICES EQUAL HOUSING OPPORTUNITIE	Pacific Bell
1994	COLDWELL BANKER	Cole Information Services
	YEH EDWARD	Cole Information Services
	YEH, EDWARD	Cole Information Services
	COLDWELL BKR	Cole Information Services

340 E HUNTINGTON DR

Year	Uses	Source
1995	Look Within	Pacific Bell

400 E HUNTINGTON DR

Year	Uses	Source
2014	BJS RESTAURANT & BREWHOUSE	Cole Information Services
	BJS RESTAURANT & BREWHOUSE	Cole Information Services
2009	CHICAGO PIZZA & BREWERY	Cole Information Services
	BJS RESTAURANTS INC	Cole Information Services
	CHICAGO PIZZA & BREWERY	Cole Information Services
	BJS RESTAURANTS INC	Cole Information Services
2006	& BREWHOUSE	Haines Company
	BJS RESTAURANT	Haines Company
1999	BENNIGANS	Cole Information Services
	BJS RESTAURANT & BREWERY	Cole Information Services
	BENNIGANS	Cole Information Services

FINDINGS

Year	Uses	Source
1999	BJS RESTAURANT & BREWERY	Cole Information Services
1995	Benning Rusty & Chanthima W Cov	Pacific Bell
	BENNIGANS	Pacific Bell
	Bennigans	Pacific Bell
1994	BENNIGANS CORP	Cole Information Services
	BENNIGANS CORP	Cole Information Services
1985	ANDY S BURGERS	Pacific Bell
1980	ANDY S BURGERS E HUNTINGTON DR ARCADIA	Pacific Telephone
1975	SNAP E TACO	Pacific Telephone
1966	PETERSEN AUTO SALES	Pacific Telephone
1960	ARCADIA MOTORS	Pacific Telephone
1957	ARCADIA MOTORS	Pacific Telephone

401 E HUNTINGTON DR

Year	Uses	Source
2014	TOKYO WAKO	Cole Information Services
2009	TOKYO WAKO	Cole Information Services
2006	TOKYO WAKO	Haines Company
2004	OCCUPANT UNKNOWN	Cole Information Services
	TOKYO WAKO	Cole Information Services
1999	TOKYO WAKO	Cole Information Services
1995	TOKYO WAKO	Pacific Bell
1994	TOKYO WAKO	Cole Information Services

404 E HUNTINGTON DR

Year	Uses	Source
1950	FILANTE RLTY ASSOCIATES	Pacific Telephone
	FILANTE RLTY ASSOCIATES	Pacific Telephone

411 E HUNTINGTON DR

Year	Uses	Source
2014	OMARS PIZZARIA	Cole Information Services
	DANIEL MARTONE	Cole Information Services
	CONTEMPO ESCROW INC	Cole Information Services
	RACQUETS RACKETS	Cole Information Services
	ROYAL CLEANERS	Cole Information Services
	MASTER HONG INC	Cole Information Services
	ALLSTATE	Cole Information Services
	KCAL INSURANCE INC	Cole Information Services

FINDINGS

Year	Uses	Source
2014	GILS BAIL BONDS	Cole Information Services
	SPHINX MART	Cole Information Services
	SUPERCUTS	Cole Information Services
	MGM LENDERS INC	Cole Information Services
	ART VANDELAY INTERNATIONAL LLC	Cole Information Services
	BASIL THAI COOKING	Cole Information Services
	BLEND IT HEALTHY	Cole Information Services
	SHUANGYI INTL TRADING CO INC	Cole Information Services
	KAM SANG CO	Cole Information Services
	JEMELIAN SHAHE INS AGT	Cole Information Services
	GOLD DRAGON RESTAURANT	Cole Information Services
	GOOD SHOT CONSTRUCTION	Cole Information Services
	PENNYSAVER	Cole Information Services
	RMA ACCOUNTING SERVICE	Cole Information Services
	WELLMAX PROFESSIONAL SERVICES	Cole Information Services
	SALONCENTRIC	Cole Information Services
	NEW YORK LIFE JENNY KAO	Cole Information Services
	VISION 21 ART SCHOOL	Cole Information Services
	KYSON & CO INC	Cole Information Services
	LINKFAIR INTERNATIONAL INC	Cole Information Services
	PHO KITCHEN INVESTMENT INC	Cole Information Services
	MAIL BOX & POSTAL	Cole Information Services
	ACT1 ARCADIA	Cole Information Services
	GO PHONE SHOP	Cole Information Services
	PRINCE JEWELERS	Cole Information Services
	RENLEE BEAUTY STATION NUMBER 1	Cole Information Services
	TAG DESIGN WORKS	Cole Information Services
	MEDICAL ELECTRONIC DATA PROCESSING	Cole Information Services
	WELLAND CO	Cole Information Services
	FAMILY HOME HEALTH AGENCY	Cole Information Services
	ALLSTATE INSURANCESHAHE JAMELIAN	Cole Information Services
	HOPE TELESOLUTIONS	Cole Information Services
	SHAHE JEMELIAN ALLSTATE INSURANCE	Cole Information Services
	SUBWAY SANDWICHES	Cole Information Services
	CATHERINE HOFFMAN	Cole Information Services
	XINYUN SUN	Cole Information Services
	RONALD ELY	Cole Information Services

FINDINGS

Year	Uses	Source
2014	JERRY SUNG	Cole Information Services
	ABDUL MUCHLIS	Cole Information Services
	GREGORY KON	Cole Information Services
	WHELAN LOK DDS	Cole Information Services
2009	SIRUBA INTERNATIONAL INC	Cole Information Services
	DWIGHT MILLER	Cole Information Services
	GOPHONESHOP	Cole Information Services
	SALINAS COFFEE ROASTERS	Cole Information Services
	TEN PLUS SHOES	Cole Information Services
	BASIL THAI COOKING	Cole Information Services
	HIGH PERFORMANCE COMPUTERS INC	Cole Information Services
	FANTASY MEDICAL INC	Cole Information Services
	WELLAND CO	Cole Information Services
	MEDP	Cole Information Services
	MOORE TRANSPORT SERVICE INC	Cole Information Services
	ROYAL CLEANERS	Cole Information Services
	SOCAL RGB DISTRIBUTION INC	Cole Information Services
	KAM SANG CO INC	Cole Information Services
	BRIGHT TRADING LLC	Cole Information Services
	WELLMAX PROFESSIONAL SERVICES	Cole Information Services
	MAIL BOX & POSTAL	Cole Information Services
	LA PETIT FRANCE	Cole Information Services
	CHENMING PULP & PAPER USA LTD	Cole Information Services
	NATICKS STAMPS & HOBBIES	Cole Information Services
	GOLDEN HEIGHTS FINANCIAL CORP	Cole Information Services
	PENNYSAVER HARTE HANKS SHOPPERS PE	Cole Information Services
	JEMELIAN INSURANCE SERVICES	Cole Information Services
	ALLSTATE	Cole Information Services
	KHAN HOSPITALITY INC	Cole Information Services
	SPHINX TOBACCO SHOP	Cole Information Services
	APPROACH MASTERPIECE	Cole Information Services
	ARCADIA DENTAL CLINIC	Cole Information Services
	CONTEMPO ESCROW INC	Cole Information Services
	SUPERCUTS INC	Cole Information Services
	CHINESEINVESTORSCOM INC	Cole Information Services
	PRINCE JEWELERS	Cole Information Services
	VOICE COMMUNICATIONS INC	Cole Information Services

FINDINGS

Year	Uses	Source
2009	ROCHA DEMOLITION INC	Cole Information Services
	JEMELIAN SHAHE	Cole Information Services
	INSURANCE & INVESTMENT SERVICE	Cole Information Services
	KYSON & CO	Cole Information Services
	ACT 1 PERSONNEL	Cole Information Services
	CORE CONCEPTS INC	Cole Information Services
	LA NOODLES	Cole Information Services
	WORLDWIDE COMMUNICATIONS NETWORK LLC	Cole Information Services
	ARCADIA LANDMARK A CALIFORNIA	Cole Information Services
	RACQUETS RACKETS INC	Cole Information Services
	MEDICAL ELECTRONIC DATA PROCESSING	Cole Information Services
	WELLDO CORP	Cole Information Services
	HPC COMPUTERS INC	Cole Information Services
	FRUIT ISLAND YOGURT	Cole Information Services
	EMBROIDME	Cole Information Services
	BELLA AROMA FLORIST	Cole Information Services
	PACIFIC SUNRISE HOTELS INC	Cole Information Services
	MASTER HONG INC	Cole Information Services
	DAVID GREENWALD	Cole Information Services
	JESS MELENDEZ	Cole Information Services
	JOE BEATTY	Cole Information Services
	BEN SPILGER	Cole Information Services
	NANCY POLCARO	Cole Information Services
	MGM LENDERS INC	Cole Information Services
2006	FINANCIAL	Haines Company
	SERVICES PRIMERIC	Haines Company
	FINANCIAL	Haines Company
	SERVICES PRINCEJEWELERS	Haines Company
	RACQUETS	Haines Company
	RACKETS REPLISOFT	Haines Company
	RICHICINC	Haines Company
	ROCHA DEMOLITION	Haines Company
	INC ROYAL CLEANERS	Haines Company
	SPHINXTOBACCO	Haines Company
	SPY TECH	Haines Company
	SURVEILANCE STAR HOME	Haines Company
	HEALTH	Haines Company

FINDINGS

Year	Uses	Source
2006	RESOURCES INC SUBWAY	Haines Company
	SNDWCHS&SLDS SUPERCUTS	Haines Company
	SURVIVAL	Haines Company
	INSURANCE TDC MORTGAGE	Haines Company
	REALTY CORP TERTERYAN 4 Geborg	Haines Company
	WELLAND CO	Haines Company
	WELLMAX	Haines Company
	PROFESSIONAL	Haines Company
	SERVICES YONGCHOW	Haines Company
	RESTAURANT	Haines Company
	BUILDING ACT 1 PERSONNEL	Haines Company
	SERVICES	Haines Company
	ALLSTATE INS	Haines Company
	AMER EQUITIES OF	Haines Company
	NEVADA CORP AMERICA CHANGDA	Haines Company
	RAILWAY EQUIP APPROACH	Haines Company
	MASTERPIECE ARCADIA DENTAL	Haines Company
	CLINIC ASSIST 2 SELL	Haines Company
	BASILTHAI	Haines Company
	COOKING BELLAAROMA	Haines Company
	FLORIST CHENMING PULP	Haines Company
	AND PPR USA LTD CJM CONSULTING	Haines Company
	CLARKE	Haines Company
	PUBLICATIONS CLEARVIEW	Haines Company
	OPTICAL CORE CONCEPTS	Haines Company
	DERBY TOBACCO	Haines Company
	MARKET EDUCATION	Haines Company
	SOLUTION GENESIS METALS	Haines Company
	PERFORMANCE	Haines Company
	COMPUTERS IMPACT	Haines Company
	CONSTRUCTION CO INFINITE	Haines Company
	COMMUNICATIONS	Haines Company
	INC INSURANCE&	Haines Company
	INVESTMENT	Haines Company
	SERVICE INSURANCE	Haines Company
	INVESTMENT	Haines Company
	SERVICES JC HORIZON LTD	Haines Company
	JEMELIAN SHAHE	Haines Company

FINDINGS

Year	Uses	Source
2006	KAM SANG CO INC	Haines Company
	KYSON & CO INC	Haines Company
	LA PETIT FRANCE	Haines Company
	LONGERON	Haines Company
	ASSOCIATES MAILBOX& POSTAL	Haines Company
	MASTER HONG	Haines Company
	HEALING CENTER MASTER HONG INC	Haines Company
	MASTER HONG INC	Haines Company
	MCGUIRE	Haines Company
	ENVRNMNTL	Haines Company
	CONSULTANTS MEDICAL	Haines Company
	ELECTRONIC DATA	Haines Company
	PRCSNG	Haines Company
	MIGUN OF ARCADIA	Haines Company
	NIEHPAUL	Haines Company
	INSURANCE INVST	Haines Company
	SRV PENNYSAVER	Haines Company
	HARTE HNKS	Haines Company
	SHPPRS PRIMERIC	Haines Company
	FINANCIAL SERVICE PRIMERIC	Haines Company
	FINANCIAL SERVICE PRIMERIC	Haines Company
	FINANCIAL SERVICE PRIMERIC	Haines Company
	FINANCIAL	Haines Company
	SERVICES PRIMERIC	Haines Company
2004	CHARLES HARRIS	Cole Information Services
	WANDA HOLLAND	Cole Information Services
	REPLISOFT	Cole Information Services
	HARTE HANKS SHOPPERS INC	Cole Information Services
	BO HUI INTERNATIONAL INC	Cole Information Services
	KLINE DISTRIBUTORS INC	Cole Information Services
	NO GILLS REQUIRED	Cole Information Services
	CORE CONCEPTS INC	Cole Information Services
	MEDICAL ELECTRONIC DATA PRCSNG	Cole Information Services
	1221 SOUTH HARBOR BLVD INC	Cole Information Services
	COMPUTER NETWORK MEDIA	Cole Information Services
	CLASS A LAUNDRY	Cole Information Services
	PEACE OF MIND REALTY	Cole Information Services
	SUBWAY SANDWICHES & SALADS	Cole Information Services

FINDINGS

Year	Uses	Source
2004	ORCA ASSOCS INC	Cole Information Services
	KAM SANG CO	Cole Information Services
	HIGH PERFORMANCE COMPUTERS	Cole Information Services
	MY SHANGRI L A	Cole Information Services
	LONGERON ASSOCS	Cole Information Services
	TDC MORTGAGE REALTY CORP	Cole Information Services
	ASSIST 2 SELL	Cole Information Services
	GPS MANAGEMENT	Cole Information Services
	JOHN STEVEN	Cole Information Services
	IMPACT CONSTRUCTION CO	Cole Information Services
	DR ALEZANDRO R MAGAT INC	Cole Information Services
	STUB SATERTAINMENT USA INC	Cole Information Services
	WELLAND CO	Cole Information Services
	CHENMING PULP & PAPER CO	Cole Information Services
	BASIL THAI COOKING	Cole Information Services
	MIRACLE MAIDS	Cole Information Services
	MASTER HONG HEALING CTR	Cole Information Services
	AMERICAN EQUITIES OF NEVADA	Cole Information Services
	SUPERCUTS	Cole Information Services
	SOPHINE TOBACCO SHOP	Cole Information Services
	ROBERT L CARR INC	Cole Information Services
	IVY INSURANCE GROUP INC	Cole Information Services
	PHOENIX SATELLITE TV INC	Cole Information Services
	TJ PACIFIC BEACON INC	Cole Information Services
	MEDIA SOLUTIONS	Cole Information Services
	PRIMERICA FINANICAL SERVICE	Cole Information Services
	MAIL BOX & POSTAL	Cole Information Services
	WELLMAX PROFESSIONAL SERVICES	Cole Information Services
	ALLSTATE INSURANCE	Cole Information Services
	RED DRAGON TRADING INC	Cole Information Services
	BRIGHT TRADING INC	Cole Information Services
	JMV FINANCIAL SERVICES	Cole Information Services
	LEE INTERNATIONAL BEAUTY GROUP INC	Cole Information Services
	JC HORIZON LTD	Cole Information Services
	RACQUETS RACKETS INC	Cole Information Services
	PHOENIX HOSPICE CARE	Cole Information Services
	PRINCE JEWELERS	Cole Information Services
	ROCHA DEMOLITION INC	Cole Information Services

FINDINGS

Year	Uses	Source
2004	LA NOODLES	Cole Information Services
	INSURANCE & INVESTMENT SERVICE	Cole Information Services
	KYSON CO	Cole Information Services
	JAMES LOCKHART	Cole Information Services
	CHRISTIE FLOYD	Cole Information Services
	LILI YU	Cole Information Services
	JOHN DIONISIO	Cole Information Services
	ALLISON BECKLER	Cole Information Services
	WESTON WINEGAR	Cole Information Services
	NANCY POLCARO	Cole Information Services
	DWIGHT MILLER	Cole Information Services
	MICHELLE MERCIER	Cole Information Services
	ESTELA CHATHAM	Cole Information Services
	CARLOS GOMEZ	Cole Information Services
1999	SUPERIOR CREDIT BUREAU	Cole Information Services
	DWIGHT MILLER	Cole Information Services
	HOME ENVIRONMENT CENTER	Cole Information Services
	APPLE TRAVEL & TOURS	Cole Information Services
	PRINCE JEWELERS	Cole Information Services
	DIAMOND COAST	Cole Information Services
	SUNGLASS TOP	Cole Information Services
	PENNYSAVER HARTE HANKS SHOPPERS INCORPORATED DSPLY ADVTSNG	Cole Information Services
	CRYSTAL FLORIST & INTERIOR DESIGN	Cole Information Services
	PENNIKO PUBLISHING INCORPORATED	Cole Information Services
	J C HORIZON LIMITED	Cole Information Services
	RACQUETS RACKETS	Cole Information Services
	LANDMARK POSTAL PLUS	Cole Information Services
	LAPETIT FRANCE	Cole Information Services
	HIGH PERFORMANCE COMPUTERS	Cole Information Services
	MEDICAL ELECTRONIC DATA PROCESSING	Cole Information Services
	SUBWAY SANDWICHES & SALADS	Cole Information Services
	ARCADIA FIREFIGHTERS ASSOCIATION	Cole Information Services
	J W INTERNATL CORPORATION	Cole Information Services
	KINKOS COPIES	Cole Information Services
	DISCOUNT CD	Cole Information Services

FINDINGS

Year	Uses	Source
1999	SUPERCUTS	Cole Information Services
	LONGERON ASSOCIATES	Cole Information Services
	MASTER HONG INCORPORATED	Cole Information Services
	BRIGHT TRADING INCORPORATED	Cole Information Services
	BASIL THAI COOKING	Cole Information Services
	ACT 1 PERSONNEL SERVICES	Cole Information Services
	COASTAL CREDIT BUREAU	Cole Information Services
	AAA REFRIGERATION	Cole Information Services
	PANDA BUFFET HOUSE	Cole Information Services
	KAM SANG COMPANY INCORPORATED	Cole Information Services
	WENGLOBAL INCORPORATED	Cole Information Services
	EXEC TREK COM	Cole Information Services
	ACADEMY OF COMPUTER TECHNOLOGY	Cole Information Services
	AAA REFRIGERATION	Cole Information Services
	ROYAL DRY CLEANERS	Cole Information Services
	CIGAR CORNER	Cole Information Services
	PRO-TECH INVESTIGATIONS	Cole Information Services
	NEVADA BOBS PRO SHOP	Cole Information Services
	TAIPING YEUNG MOTOR USA LIMITED	Cole Information Services
	UNITED CAREER INSTITUTE	Cole Information Services
	STRAUSS JEFFREY E ATTORNEY	Cole Information Services
	JI TAI INTERNATL	Cole Information Services
	C & G SOFTWARE DISTRIBUTORS	Cole Information Services
	DAVID GREENWALD	Cole Information Services
	JESS MELENDEZ	Cole Information Services
	JOE BEATTY	Cole Information Services
	BEN SPILGER	Cole Information Services
	NANCY POLCARO	Cole Information Services
	JOYS GIFT INCORPORATED	Cole Information Services
1995	MEDICAL ELECTRONIC DATA PROCESSING	Pacific Bell
	PANDA CHINESE SEAFOOD	Pacific Bell
	PENNYSAVER	Pacific Bell
	PRINCE JEWELERS	Pacific Bell
	RACQUETS RACKETS	Pacific Bell
	ROYAL DRY CLEANERS	Pacific Bell
	SO CALIF CEMENT MASON S WORK PRESERVATION TRUST	Pacific Bell

FINDINGS

Year	Uses	Source
1995	SUBWAY SANDWICHES & SALADS	Pacific Bell
	SUPERIOR CREDIT BUREAU	Pacific Bell
	UNITED REALTY & ASSOC	Pacific Bell
	Basil Thai Cooking	Pacific Bell
	FLS Language Centres	Pacific Bell
	Landmark Postal	Pacific Bell
	Medical Electronic Data Processing	Pacific Bell
	Panda Chinese Seafood	Pacific Bell
	Pennysaver	Pacific Bell
	Racquets Rackets	Pacific Bell
	Royal Dry Cleaners	Pacific Bell
	So California Cement Masons Work Preservation Trust	Pacific Bell
	Subway Sandwiches & Salads	Pacific Bell
	United Realty & Assoc	Pacific Bell
	BASIL THAI COOKING	Pacific Bell
	FLS LANGUAGE CENTRES	Pacific Bell
	KINKO S COPIES	Pacific Bell
	LANDMARK POSTAL	Pacific Bell
	VOICE COMMUNICATIONS	Pacific Bell
1994	UNITED REALTY & ASSOC	Cole Information Services
	SOUTHWEST CLEANERS	Cole Information Services
	FUNNEL CAKE&DONUT	Cole Information Services
	SUBWAY SANDWICHES & SALADS	Cole Information Services
	FLS LANGUAGE CTR	Cole Information Services
	HOT LICKS T SHIRTS	Cole Information Services
	KINKOS COPIES	Cole Information Services
	SUPERIOR CREDIT BUREAU	Cole Information Services
	SEGO OF WORLDWIDE	Cole Information Services
	CHEZ ROSE	Cole Information Services
	ICELAND YOGURTS	Cole Information Services
	FALCON MANAGEMENT	Cole Information Services
	RACQUETS RACKETS	Cole Information Services
	PLANET 10	Cole Information Services
	SUPERCUTS	Cole Information Services
	PENNYSAVER	Cole Information Services
	BASIL	Cole Information Services
	PANDA CHINESE SEAFOOD	Cole Information Services
	MEDICAL ELECTRONIC DATA PROC	Cole Information Services

FINDINGS

412 E HUNTINGTON DR

Year	Uses	Source
1980	ROUND UP MOTEL E HUNTINGTON DR ARCADIA	Pacific Telephone
	RILEY RICHARD G E HUNTINGTON DR ARCADIA	Pacific Telephone
1975	NILSSEN O J	Pacific Telephone
	PETERSON EDW S ROUND UP MOTEL	Pacific Telephone
	ROUND UP MOTEL	Pacific Telephone
1966	PETERSON EDW S ROUND UP MOTEL	Pacific Telephone
1960	ROUND UP MOTEL	Pacific Telephone
	WELCH EARL B	Pacific Telephone
1957	ROUND UP MOTEL	Pacific Telephone
1950	NIEDERMANN O F R	Pacific Telephone
	HINDMAN LLOYD L R	Pacific Telephone
	WERDERICH CHAS R	Pacific Telephone
	CAMPION MARY A R	Pacific Telephone
	FLAHERTY JAS G R	Pacific Telephone
	HINDMAN LLOYD L R	Pacific Telephone
	NIEDERMANN O F R	Pacific Telephone
	WATT EVERETT N R	Pacific Telephone
	WERDERICH CHAS R	Pacific Telephone
	CAMPION MARY A R	Pacific Telephone
	FLAHERTY JAS G R	Pacific Telephone
	WATT EVERETT N R	Pacific Telephone

415 E HUNTINGTON DR

Year	Uses	Source
1957	WALLICK LEE CHEVRON GAS STANTON	Pacific Telephone
1950	URICH S SERVE YOURSELF STNS	Pacific Telephone
	URICH S SERVE YOURSELF STNS	Pacific Telephone

418 E HUNTINGTON DR

Year	Uses	Source
1966	TROPICANA MOTEL	Pacific Telephone
1960	HUNTINGTON MOTEL	Pacific Telephone
	SIMPSON EDGAR R	Pacific Telephone
1957	SIMPSON EDGAR R	Pacific Telephone
	HUNTINGTON MOTEL	Pacific Telephone
1950	SWANBERG W N HUNTINGTON MOTEL	Pacific Telephone

FINDINGS

Year	Uses	Source
1950	HUNTINGTON MOTEL	Pacific Telephone
	SWANBERG W N HUNTINGTON MOTEL	Pacific Telephone
	HUNTINGTON MOTEL	Pacific Telephone

420 E HUNTINGTON DR

Year	Uses	Source
2014	AAA CRUISE AGENCY	Cole Information Services
	AAA	Cole Information Services
2009	AAA AUTOMOBILE CLUB OF SOUTHERN CA	Cole Information Services
	ENTERPRISE RENT A CAR	Cole Information Services
	AAA	Cole Information Services
2006	RICHARDSON	Haines Company
	CLUB OF SO CA LAWOFFICES OF	Haines Company
	AAAAUTOMOBILE	Haines Company
2004	AAA ATMBL CLUB STHRN CLFRN	Cole Information Services
	LAW OFFICE OF RCHRDSN BMBRCK	Cole Information Services
	ENTERPRISE RENT A CAR	Cole Information Services
1999	AAA AUTO CLUB OF SO CALIF MBRSHP AND INS SALES	Cole Information Services
	LAW OFFICES OF RICHARDSON & BAMBRICK	Cole Information Services
1995	Arcadia	Pacific Bell
	Law Offices Of Salivdor E Tuy Jr & Associates	Pacific Bell
	law Offices Of Robert G Winterbotham Covina	Pacific Bell
	Law Offices Of Robert G Winterbotham LA	Pacific Bell
	Law Offices Of Robert B Reeves Rwlandllts	Pacific Bell
	Law Offices Of Richardson & Bambrick	Pacific Bell
	Arcadia	Pacific Bell
	YELLOW CAB	Pacific Bell
	LAW OFFICES OF RICHARDSON & BAMBRICK	Pacific Bell
	AAA CRUISE AGENCY	Pacific Bell
	AUTOMOBILE CLUB OF SO CALIF AAA	Pacific Bell
1994	LAW OFC RICHARDSON	Cole Information Services

FINDINGS

421 E HUNTINGTON DR

Year	Uses	Source
1975	MATTHEWS OLDSMOBILE INC	Pacific Telephone
1966	NUGENT MOTORS	Pacific Telephone
	NEUGENT MOTORS	Pacific Telephone
1960	NEUGENT MOTORS	Pacific Telephone
1957	NEUGENT MOTORS	Pacific Telephone

430 E HUNTINGTON DR

Year	Uses	Source
2014	OLIVE GARDEN ITALIAN RESTAURANT	Cole Information Services
	OLIVE GARDEN ITALIAN RESTAURANT	Cole Information Services
2009	OLIVE GARDEN ITALIAN RESTAURANT	Cole Information Services
	GMRI INC	Cole Information Services
	OLIVE GARDEN ITALIAN RESTAURANT	Cole Information Services
	GMRI INC	Cole Information Services
2006	RSTRNT	Haines Company
	OLIVEGARDEN	Haines Company
2004	OLIVE GARDEN ITALIAN RSTRNT	Cole Information Services
	OLIVE GARDEN ITALIAN RSTRNT	Cole Information Services
1999	OLIVE GARDEN ITALIAN RESTAU	Cole Information Services
	OLIVE GARDEN ITALIAN RESTAU	Cole Information Services
1995	OLIVE GARDEN ITALIAN RESTAURANT	Pacific Bell
1994	OLIVE GARDEN RSTRNT	Cole Information Services
	OLIVE GARDEN RSTRNT	Cole Information Services

440 E HUNTINGTON DR

Year	Uses	Source
2014	CHARTER COMMUNICATIONS	Cole Information Services
	ORACLE AMERICA INC	Cole Information Services
	NATIONAL CHILDHOOD CANCER FOUNDATION	Cole Information Services
2009	CHILDRENS ONCOLOGY GROUP	Cole Information Services
	CEDRIC SCOTT & SONS INSURANCE AGENCY	Cole Information Services
	ARCADIA OPEN MRI & DIAGNOSTIC CENTER	Cole Information Services
	ARCADIA PHYSICAL THERAPY	Cole Information Services
	PRUDENTIAL INSURANCE CO	Cole Information Services
	DENTAL GROUP	Cole Information Services
2006	ARCADIA DENTAL	Haines Company

FINDINGS

Year	Uses	Source
2006	CENTER OF ARCADIA PHYSICAL	Haines Company
	THERAPY CHILDREN CNCR	Haines Company
	STDY COUNTRYWIDE	Haines Company
	FULLSPCTRM	Haines Company
	LNDNG DENTAL GROUP OF	Haines Company
	ARCADIA	Haines Company
2004	NATIONAL CHILDHOOD CANCER	Cole Information Services
	FNDTN FOR THE CHLDRN ONCLG	Cole Information Services
	PRUDENTIAL INSUR CO	Cole Information Services
	CHILDRENS NATIONAL MEDICAL CTR	Cole Information Services
1999	PRUDENTIAL THE AGENTS	Cole Information Services
	TOYOTA MOTOR CREDIT CORPORATION	Cole Information Services
	CHILDREN CANCER STUDY	Cole Information Services
	CHILDRENS CANCER STUDY GROUP	Cole Information Services
	BOEING COMMERCIAL AIRPLANE COMPANY THE	Cole Information Services
	REID PLASTICS INCORPORATED	Cole Information Services
	NATIONAL CHILDHOOD CANCER FOUNDATION	Cole Information Services
1995	Children Cancer Study	Pacific Bell
	Boeing Commercial Airplane Company The	Pacific Bell
	TOYOTA MOTOR CREDIT CORP	Pacific Bell
	REID PLASTICS INC	Pacific Bell
	PRUDENTIAL THE DISTRICT AGENCIES OFFICES	Pacific Bell
	PRUDENTIAL THE DISTRICT AGENCIES OFFICES	Pacific Bell
	NATIONAL CHILDHOOD CANCER FOUNDATION	Pacific Bell
	ELARDO GRIFFEE INSURANCE INC	Pacific Bell
	CHILDRENS CANCER STUDY GROUP	Pacific Bell
	BOEING COMMERCIAL AIRPLANE COMPANY THE	Pacific Bell
	CHILDREN CANCER STUDY	Pacific Bell
	Children Livadary	Pacific Bell
	Childrens Cancer Study Group	Pacific Bell
	Elardo Griffee Insurance Inc	Pacific Bell
	National Childhood Cancer Foundation	Pacific Bell
	Arcadia District	Pacific Bell

FINDINGS

Year	Uses	Source
1995	Arcadia District	Pacific Bell
	From Las Angeles Telephones Call .6819611	Pacific Bell
	Reid Plastics Inc	Pacific Bell
1994	ELARDO GRIFFEE INSURANCE INC	Cole Information Services
	REID PLASTICS INC	Cole Information Services
	TOYOTA MOTOR CREDIT CORP	Cole Information Services
	BOEING COML AIRPLNE	Cole Information Services
	CHILDREN CNCR STDY	Cole Information Services

441 E HUNTINGTON DR

Year	Uses	Source
2014	JC HORIZON LTD	Cole Information Services

444 E HUNTINGTON DR

Year	Uses	Source
2014	LAW OFFICES OF DUGAN & LITTLE LLP	Cole Information Services
	WELLS FARGO BANK	Cole Information Services
	DISCOUNT WATER DAMAGE REPAIR	Cole Information Services
	SHEPHERD SCOTT CPA	Cole Information Services
	OLYMPIC STAFFING SERVICES	Cole Information Services
	WALTHER RICHARD C P A	Cole Information Services
	FOOTHILL COUNSELING GROUP	Cole Information Services
	LPL FINANCIAL	Cole Information Services
	E G O INC	Cole Information Services
	MIGHTY DOVE FINANCIAL GROUP	Cole Information Services
	MEVORACH PROPERTIES	Cole Information Services
	WIDISS TANYA RD MFT	Cole Information Services
	SCOTT SHEPHERD	Cole Information Services
	TANYA WIDISS	Cole Information Services
	WELLS FARGO	Cole Information Services
2009	METROCALL	Cole Information Services
	H & R BLOCK INC	Cole Information Services
	MEVORACH PROPERTIES	Cole Information Services
	EMERGENCY MEDICAL GROUP	Cole Information Services
	SCOTT SHEPHERD	Cole Information Services
	DAIVA JASULAITIS	Cole Information Services
	C MILLER	Cole Information Services
	RICHARD WALTHER	Cole Information Services

FINDINGS

Year	Uses	Source
2009	EDUCATIONAL SERVICES EXCHANGE WTH CH	Cole Information Services
	REXNORD INDUSTRIES INC	Cole Information Services
	USA MOBILITY WIRELESS INC	Cole Information Services
	OLYMPIC STAFFING SERVICES	Cole Information Services
	MIGHTY DOVE MORTGAGE	Cole Information Services
	SHEPHERD & ASSOCS ACCOUNTANCY	Cole Information Services
	ODDENINO & GAULE	Cole Information Services
	TEACHOVERSEAS ORG	Cole Information Services
	ESEC	Cole Information Services
	RICHARD C WALTHER PA	Cole Information Services
	MIDNIGHT HAWK CONSTRUCTION	Cole Information Services
	LAW OFFICE OF DUGAN & LITTLE	Cole Information Services
	WELLS FARGO BANK N A	Cole Information Services
	444 E HUNTINGTON LLC	Cole Information Services
	LEVERAGE FINANCIAL MARKETING INC	Cole Information Services
	SHEPHERD SCOTT CPA	Cole Information Services
	GAULE JOHN V ATTORNEY AT LAW	Cole Information Services
	EMERGENCY GROUPS OFFICE	Cole Information Services
	BRAULT DEL	Cole Information Services
	MILLER ACCOUNTANCY CORP	Cole Information Services
	PROFORCE TEMPORARIES INC	Cole Information Services
	RAGLAND RANCH GOOD FOODS	Cole Information Services
2006	MEDICAL MNG	Haines Company
	ASSOC FIRSTARCAD	Haines Company
	CORP FOOTHLS	Haines Company
	COUNSEUNG	Haines Company
	GROUP GAULEJOHNV	Haines Company
	ATTY GAULEJOHNV	Haines Company
	ATTY GUTIERREZSHEILA	Haines Company
	MAMFCC H&R BLOCK	Haines Company
	PREMIUM JOHNSON SUSAN	Haines Company
	MAMFCC LAWOFFICES OF	Haines Company
	ODDENINO&GAULE MEVORACH	Haines Company
	PROPERTIES MIGHTYDOVE	Haines Company
	FINANCIAL GROUP MILLERJAMES 2D	Haines Company
	CPA MYERSJOANNMA	Haines Company
	MFCC ODDENINO & GAULE	Haines Company

FINDINGS

Year	Uses	Source
2006	ODDENINO MICHAEL	Haines Company
	L ATTY OLYMPIC STAFFING	Haines Company
	SERVICES SHEPHERD & ASC	Haines Company
	ACCNTNCY CORP SINSHEIMERJOAN	Haines Company
	MS MFCC WALTHER RICHARD	Haines Company
	CPA WELLS FRGO	Haines Company
	ZORN EVAA M	Haines Company
	BUILDING BLOCKH&R	Haines Company
	PREMIUM EGOINC	Haines Company
	E G O INC	Haines Company
	EDUCATNL SERV	Haines Company
	INTERNATL INC EMERGENCY	Haines Company
2004	EMERGENCY MEDICAL MNGM MENT	Cole Information Services
	OLYMPIC STAFFING SERVICES	Cole Information Services
	FOOTHILLS COUNSELING GROUP	Cole Information Services
	WALTHER EDGHILL INC	Cole Information Services
	LAW OFFICES OF ODNN & GAULE	Cole Information Services
	MEVORACH PROPERTIES	Cole Information Services
	ESSEX POLLUTION SERVICES INC	Cole Information Services
	EMERGENCY GROUPS OFFICE	Cole Information Services
	ACE PROPERTIES	Cole Information Services
	MIDNIGHT HAWK CONSTRUCTION	Cole Information Services
	JAMES MILLER	Cole Information Services
	WALTHER RICHARD C P A	Cole Information Services
	JAMES MILLER	Cole Information Services
	RICHARD WALTHER	Cole Information Services
1999	EMERGENCY GROUPS OFFICE	Cole Information Services
	SCOTT SHEPHERD	Cole Information Services
	DAIVA JASULAITIS	Cole Information Services
	C MILLER	Cole Information Services
	RICHARD WALTHER	Cole Information Services
	ENVIRONMENTAL PROTECTION SERVICES	Cole Information Services
	REVCO FINANCIAL INCORPORATED	Cole Information Services
	SOUTHERN CALIFORNIA JOINT POLE COMMITTEE	Cole Information Services
	FOOTHILLS COUNSELING GROUP	Cole Information Services
	OLYMPIC STAFFING SERVICES	Cole Information Services
	GUTIERREZ SHEILA MA MFCC	Cole Information Services

FINDINGS

Year	Uses	Source
1999	CALIFORNIA STATE BANK	Cole Information Services
	JOHNSON SUSAN MA MFCC	Cole Information Services
	ESSEX POLLUTION SERVICES INCORPORATED	Cole Information Services
	EDUCATIONAL SERVICES INTERNATL INCORPORATED	Cole Information Services
	EASTWOOD INSURANCE SERVICES	Cole Information Services
	ODDENINO & GAULE	Cole Information Services
	PARLICO TEXTILE INTERNATIONAL INCORPORATED	Cole Information Services
	FIRST ARCADIA CORPORATION	Cole Information Services
	NORTH COAST EMERGENCY PHYSICIANS MEDICARE BILLING	Cole Information Services
	HARDESTY BOOKKEEPING	Cole Information Services
	DALES AUTO MART INCORPORATED	Cole Information Services
	MYERS JOANN MA MFCC	Cole Information Services
	ODDENINO & GAULE ATTORNEYS AT LAW	Cole Information Services
	GAULE JOHN V ATTORNEY AT LAW	Cole Information Services
	METROCALL REGIONAL OFFICES	Cole Information Services
	ALLCITY PAGING	Cole Information Services
	SINSHEIMER JOAN MS MFCC	Cole Information Services
	ZORN EVA A MA MFCC	Cole Information Services
	UNITED CHURCH OF GOD	Cole Information Services
	METROCALL	Cole Information Services
	FIRST SECURITY BANK OF CALIFORNIA	Cole Information Services
	EASTWICK INSURANCE SERVICES	Cole Information Services
	EASTWOOD INSURANCE COMPANY	Cole Information Services
	JOINT POLE COMMITTEE	Cole Information Services
1995	Amador Ernest R Laughlin Falbo Levy Moresi attys	Pacific Bell
	American Home Bankers Mortgage	Pacific Bell
	Brundo Kathleen L Laughlin Falbo Levy Moresi attys	Pacific Bell
	Brundo Kathleen L Laughlin Falbo Levy Moresi attys	Pacific Bell
	California Association Of Homeowners Associations Inc	Pacific Bell
	Cohen Jerilyn Laughlin Falbo Levy Moresi attys	Pacific Bell
	I Douglas Guardian Warehouse Corp	Pacific Bell
	Eastwlck Insurance Company	Pacific Bell

FINDINGS

Year	Uses	Source
1995	Eastwick Insurance Services	Pacific Bell
	Eastwlck Insurance Services	Pacific Bell
	Emergency Groups Ofc	Pacific Bell
	Epstein Mark J laughlin Falbo Levy Moresi attys	Pacific Bell
	Gaule John V Attorney At Law	Pacific Bell
	Goldfarb & Associates	Pacific Bell
	Goldfarb Howard	Pacific Bell
	Goldfarb Lyn Mon	Pacific Bell
	Hall Pamela Laughlin Falbo levy Moresi attys	Pacific Bell
	Hall Patricia	Pacific Bell
	Hester James C Laughlin Falbo Levy Moresi attys	Pacific Bell
	Hiramatsu Kazuo	Pacific Bell
	Hiramatsu RN	Pacific Bell
	Hirami Donna	Pacific Bell
	Hiromi Gary M	Pacific Bell
	Johnson Susan MA MFCC	Pacific Bell
	i Johnson Susan Valienl	Pacific Bell
	I Johnson Suzanne & Kenneth Cov	Pacific Bell
	Johnson Swas 8 7	Pacific Bell
	Johnson Sydney Lee Jr	Pacific Bell
	I	Pacific Bell
	LAUGHLIN FALBO LE VY MORE S I attys	Pacific Bell
	Laughlin Falbo Levy Moresi attys	Pacific Bell
	Mc Carthy Patty MAMFCC	Pacific Bell
	Mc Carthy Paula W Covina	Pacific Bell
	N E C Technologies Inc	Pacific Bell
	North Coast Emergency Physicians Medicare Billing	Pacific Bell
	North County Electric Rwhnd Hts	Pacific Bell
	North County Financial LH	Pacific Bell
	North County Rain Gutters Whit	Pacific Bell
	ODDE N IN O MICHAE L Latty	Pacific Bell
	Oddenino Michael L afty	Pacific Bell
	OLYMPIC TE MPORARY & PE RMAN E N T	Pacific Bell
	Quaker City Federal	Pacific Bell
	Quaker City Federal Savings And Loan Association	Pacific Bell

FINDINGS

Year	Uses	Source
1995	Shearer & Associates	Pacific Bell
	From Los Angeles Telephones Call	Pacific Bell
	Waither Richard CPA	Pacific Bell
	Wilson Stephen L Laughlin Falbo Levy Moresi atty	Pacific Bell
	Zorn Ava MA MFCC	Pacific Bell
	Zorn Carol	Pacific Bell
	Zom G	Pacific Bell
	Zorn S Cov	Pacific Bell
	Zoroghllan Rita	Pacific Bell
	AMADOR ERNEST R LAUGHLIN FALBO LEVY MORESI ATTYS	Pacific Bell
	BRUNDO KATHLEEN L LAUGHLIN FALBO LEVY MORESI ATTYS	Pacific Bell
	BRUNDO KATHLEEN L LAUGHLIN FALBO LEVY MORESI ATTYS	Pacific Bell
	CALIF ASSOCIATION OF HOMEOWNERS ASSOCIATIONS INC	Pacific Bell
	COHEN JERILYN LAUGHLIN FALBO LEVY MORESI ATTYS	Pacific Bell
	I DOUGLAS GUARDIAN WAREHOUSE CORP	Pacific Bell
	EASTWLCK INSURANCE COMPANY	Pacific Bell
	EASTWLCK INSURANCE SERVICES	Pacific Bell
	EASTWOOD INSURANCE SERVICES	Pacific Bell
	EMERGENCY GROUPS OFC	Pacific Bell
	EPSTEIN MARK J LAUGHLIN FALBO LEVY MORESI ATTYS	Pacific Bell
	GAULE JOHN V ATTORNEY AT LAW	Pacific Bell
	GOLDFARB & ASSOCIATES	Pacific Bell
	GOLDFARB HOWARD	Pacific Bell
	HALL PAMELA LAUGHLIN FALBO LEVY MORESI ATTYS	Pacific Bell
	HESTER JAMES C LAUGHLIN FALBO LEVY MORESI ATTYS	Pacific Bell
	HIRAMATSU KAZUO	Pacific Bell
	KING MATTHEW LAUOHLIN FALBO LEVY MORESI ATTYS	Pacific Bell
	LAUGHLIN FALBO LEVY MORESI ATTYS	Pacific Bell
	LAUGHLIN FALBO LEVY MORESI ATTYS	Pacific Bell
	MAGNA FINANCIAL	Pacific Bell

FINDINGS

Year	Uses	Source
1995	METROCALL	Pacific Bell
	NEC TECHNOLOGIES INC	Pacific Bell
	NORTH COAST EMERGENCY PHYSICIANS MEDICARE BILLING	Pacific Bell
	ODDENINO MICHAEL LATTY	Pacific Bell
	ODDENINO MICHAEL L AFTY	Pacific Bell
	OLYMPIC TEMPORARY & PERMANENT	Pacific Bell
	PLAZA EXECUTIVE SUITES	Pacific Bell
	QUAKER CITY FEDERAL	Pacific Bell
	SASSANO MATTHEW LAUGHLIN FALBO LEVY MORESI ATTYS	Pacific Bell
	SHEARER & ASSOCIATES	Pacific Bell
	STRANICK & ASSOCIATES	Pacific Bell
	WAITHER RICHARD CPA	Pacific Bell
	WILSON STEPHEN L LAUGHLIN FALBO LEVY MORESI ATTY	Pacific Bell
1994	HIRAMATSU, KAZUO	Cole Information Services
	AMADOR, ERNEST	Cole Information Services
	JOHNSON, SUSAN	Cole Information Services
	MCCARTHY, PATTY	Cole Information Services
	GOLDFARB, HOWARD	Cole Information Services
	RAGLAND RANCH GOOD FOODS	Cole Information Services
	EASTWOOD INSURANCE	Cole Information Services
	EMERGENCY GROUPS OFFICE	Cole Information Services
	NEC TECHNOLOGIES INC	Cole Information Services
	NORTH COAST EMER	Cole Information Services
	GOLDFARB & ASSOC	Cole Information Services
	AMEPLAZA INC	Cole Information Services
	DOUGLAS GUARDIAN WAREHOUSE	Cole Information Services
	PLAZA EXECUTIVE SUITES	Cole Information Services
	KENNETH I MULLEN	Cole Information Services
	SHEARER & ASSOC	Cole Information Services
	SUSAN JOHNSON	Cole Information Services
	BUSINESS CONSULTING CTR	Cole Information Services
	LAUGHLIN FALBO ATTY	Cole Information Services
	RAGLAND RNCH FOODS	Cole Information Services
	MIDNIGHT HAWK CONSTRUCTION	Cole Information Services
	ZEGA INC	Cole Information Services
	HESTER, JAMES	Cole Information Services
1990	SHEARER & ASSOCIATES ARCADIA	Pacific Bell

FINDINGS

318A E HUNTINGTON DR

Year	Uses	Source
1960	READY PETER J	Pacific Telephone

231 1/2 E HUNTINGTON DR

Year	Uses	Source
1980	STURNIOLO CHRIS W E HUNTINGTON DR ARCADIA	Pacific Telephone

312 1/2 E HUNTINGTON DR

Year	Uses	Source
1975	GROSS N	Pacific Telephone

315 1/2 E HUNTINGTON DR

Year	Uses	Source
1975	KEITHLEY WALTER A	Pacific Telephone
1966	GEPHART MIKE	Pacific Telephone
1960	SMEENGE GUY	Pacific Telephone

317 1/2 E HUNTINGTON DR

Year	Uses	Source
1960	SANTA ANITA BODY SHOP	Pacific Telephone
1957	SANTA ANITA BODY SHOP	Pacific Telephone

322 1/2 E HUNTINGTON DR

Year	Uses	Source
1957	HARRISON HELEN MRS	Pacific Telephone

East Huntington Drive

233 East Huntington Drive

Year	Uses	Source
2006	DERBYTHE	Haines Company
1995	DERBY THE RESTET	Pacific Bell
	THE DERBY RESTRNT	Pacific Bell
	The Derby restrnt	Pacific Bell
1985	DERBY THE RESTRNT	Pacific Bell
	THE DERBY RESTRNT	Pacific Bell
1980	DERBY THE RESTRNT E HUNTINGTON DR ARCADIA	Pacific Telephone
	THE DERBY RESTRUT E HUNTINGTON DR ARCADIA	Pacific Telephone

Year	Uses	Source
1975	DERBY THE RESTRNT	Pacific Telephone
	ROGUES THE	Pacific Telephone
	THE DERBY RESTRNT	Pacific Telephone
1966	DERBY THE RESTRNT	Pacific Telephone
	THE DERBY RESTRNT	Pacific Telephone
1960	DERBY THE RESTRNT	Pacific Telephone
	THE DERBY RESTRNT	Pacific Telephone
1957	DERBY THE RESTRNT	Pacific Telephone
	THE DERBY RESTRNT	Pacific Telephone
1950	CAYER ROSS E MRS R	Pacific Telephone
	DERBY THE RESTRNT	Pacific Telephone
	WOOLF GENEVIEVE DERBY THE RESTRNT	Pacific Telephone
	CAYER ROSS E MRS R	Pacific Telephone
	DERBY THE RESTRNT	Pacific Telephone
	WOOLF GENEVIEVE DERBY THE RESTRNT	Pacific Telephone

300 East Huntington Drive

Year	Uses	Source
2006	STARBUCKS	Haines Company
	COFFEE	Haines Company
1995	FAST FRAME ARCADIA	Pacific Bell
	FASTFRAME ARCADIA	Pacific Bell
	Arcadia	Pacific Bell
	Arcadia	Pacific Bell
1981	CLEAN & CLEAR & CROWN CITY POOL SERVICE ARCADIA	Pacific Telephone
1980	CLEAN & CLEAR & CROWN CITY POOL SERVICE E HUNTINGTON DR ARCADIA	Pacific Telephone
1975	CLEAN & CLEAR & CROWN CITY POOL SERVICE	Pacific Telephone
	CLEAN & CLEAR POOL SERVICE CO	Pacific Telephone
1966	CLEAN & CLEAR POOL SERV CO	Pacific Telephone
	CLEAN & CLEAR POOL SEW CO	Pacific Telephone
1960	CLEAN & CLEAR POOL SERV CO	Pacific Telephone
1957	VAUGHN K W DECOR	Pacific Telephone

FINDINGS

333 East Huntington Drive

Year	*Uses*	*Source*
2006	TONY ROMAS	Haines Company
	PLACE FOR Ri	Haines Company
1995	SUPERCUTS	Pacific Bell
	TONY ROMAS A PLACE FOR RIBS	Pacific Bell
1986	ARCADIA NISSAN ARCADIA	Pacific Bell
1985	A LOW DAILY RENT A CAR	Pacific Bell
	ARCADIA AMC JEEP RENAULT	Pacific Bell
	ARCADIA DATSUN	Pacific Bell
	ARCADIA DATSUN AMC JEEP RENAULT	Pacific Bell
	LOW LEASING CO	Pacific Bell
1980	A LOW BUDGET RENT-A-CAR E HUNTINGTON DR ARCADIA	Pacific Telephone
	A-LOW DAILY RENT-A-CAR E HUNTINGTON DR ARCADIA	Pacific Telephone
	ARCADIA DATSUN E HUNTINGTON DR ARCADIA	Pacific Telephone
	ARCADIA DATSUN INC E HUNTINGTON DR ARCADIA	Pacific Telephone
	ARCADIA DATSUN USED CARS E HUNTINGTON DR ARCADIA	Pacific Telephone
	LOW LEASING CO E HUNTINGTON DR ARCADIA	Pacific Telephone
1975	ARCADIA DATSUN	Pacific Telephone
	ARCADIA DATSUN INC	Pacific Telephone
	ARCADIA DATSUN LEASING	Pacific Telephone
1966	TIPTON L C OLDS MOBILE	Pacific Telephone
1957	HENDERSON OLDS MOBILE	Pacific Telephone

400 East Huntington Drive

Year	*Uses*	*Source*
2006	BJS RESTAURANT	Haines Company
	& BREWHOUSE	Haines Company
1995	BENNIGANS	Pacific Bell
	Bennigans	Pacific Bell
	Benning Rusty & Chanthima W Cov	Pacific Bell
1985	ANDY S BURGERS	Pacific Bell
1980	ANDY S BURGERS E HUNTINGTON DR ARCADIA	Pacific Telephone
1975	SNAP E TACO	Pacific Telephone
1966	PETERSEN AUTO SALES	Pacific Telephone

Year	Uses	Source
1960	ARCADIA MOTORS	Pacific Telephone
1957	ARCADIA MOTORS	Pacific Telephone

430 East Huntington Drive

Year	Uses	Source
2006	OLIVEGARDEN	Haines Company
	RSTRNT	Haines Company
1995	OLIVE GARDEN ITALIAN RESTAURANT	Pacific Bell

N 2ND AVE

2 N 2ND AVE

Year	Uses	Source
1999	ND AV N 91006 CONT	Haines Company

21 N 2ND AVE

Year	Uses	Source
1957	CASTRO MANUEL	Pacific Telephone
1950	JARAMILLO VIDAL R	Pacific Telephone
	JARAMILLO VIDAL R	Pacific Telephone

99 N 2ND AVE

Year	Uses	Source
2014	SPRINGHILL SUITES PASADENA ARCADIA	Cole Information Services
2009	SPRINGHILL SUITES LLC	Cole Information Services
	MARRIOTT INTERNATIONAL INC	Cole Information Services
2006	ARCADIA	Haines Company
	SPRINGHILLSUITES	Haines Company
2004	SPRINGHILL SUITES LLC	Cole Information Services
	SPRINGHILL SUITES BY MRT ARCD	Cole Information Services

100 N 2ND AVE

Year	Uses	Source
1999	X WHEELER AV	Haines Company
	XXXX	Haines Company

101 N 2ND AVE

Year	Uses	Source
1985	WINGARD EUGENE NELSON & WINGARD LTD	Pacific Bell

FINDINGS

Year	Uses	Source
1985	NELSON & WINGARD LTD	Pacific Bell
1980	NELSON & WINGARD LTD N 2ND AVE ARCADIA	Pacific Telephone
	WINGARD EUGENE NELSON & WINGARD LTD N 2ND AVE ARCADIA	Pacific Telephone
1975	NELSON & WINGARD LTD	Pacific Telephone
	WINGARD EUGENE NELSON & WINGARD LTD	Pacific Telephone
1966	NELSON & WINGARD CABINET SHOP	Pacific Telephone
1960	NELSON ERIC NELSON & WINGARD CABINET SHOP	Pacific Telephone
	NELSON & WINGARD CABINET SHOP	Pacific Telephone
1957	NELSON & WINGARD CABINET SHOP	Pacific Telephone
	NELSON ERIC NELSON & WINGARD CABINET SHOP	Pacific Telephone

105 N 2ND AVE

Year	Uses	Source
1999	XXXX	Haines Company
1985	DUENES Y B	Pacific Bell
1980	DUENES Y B N 2ND AVE ARCADIA	Pacific Telephone
1975	DUENES Y B	Pacific Telephone
1966	DUENES Y B	Pacific Telephone
1960	DUENES Y B	Pacific Telephone
1957	DUENES Y B	Pacific Telephone
1950	DUENES Y B R	Pacific Telephone
	DUENES Y B R	Pacific Telephone

107 N 2ND AVE

Year	Uses	Source
1985	DUENES ROMAINE	Pacific Bell
1980	DUENES ROMAINE N 2ND AVE ARCADIA	Pacific Telephone

113 N 2ND AVE

Year	Uses	Source
1999	DEFRANCIS Burt	Haines Company

117 N 2ND AVE

Year	Uses	Source
1999	XXXX	Haines Company
	X SANTA CLARA E	Haines Company

Year	Uses	Source
1985	WILLSON SCIENTIFIC GLASS	Pacific Bell
1980	JACOBUS JIM RACING N 2ND AVE ARCADIA	Pacific Telephone
	ARNETT ELECTRIC N 2ND AVE ARCADIA	Pacific Telephone
1975	CHILDS DIAPER SERVICE	Pacific Telephone
1966	CHILD S DIAPER SERV	Pacific Telephone
1960	PRATT COMPANIES	Pacific Telephone
	PRATT HERBERT B APPRSR	Pacific Telephone
	CLDS DIAPER SERV	Pacific Telephone
	MORGAN HAZEL M HUMPTY DUMPTY DOLL HOSPITAL	Pacific Telephone
	HUMPTY DUMPTY DOLL HOSPITAL	Pacific Telephone
	MORGAN HAZEL M HUMPHY DUMPTY DOLL HOSPITAL	Pacific Telephone
1957	PRATT HERBERT B APPRSR	Pacific Telephone
	PRATT COMPANIES	Pacific Telephone
	CHILD S DIAPER SERV	Pacific Telephone

119 N 2ND AVE

Year	Uses	Source
1980	SATURN EXPRESS INC N 2ND AVE ARCADIA	Pacific Telephone
1957	AQUARIUM PUMP SUPPLY	Pacific Telephone

121 N 2ND AVE

Year	Uses	Source
1985	CORTEZ ADOLFO	Pacific Bell
1980	PARRA MARIA N 2ND AVE ARCADIA	Pacific Telephone
1975	SAUCEDA AMAILIA	Pacific Telephone
1966	SAUCEDA AMALLIA	Pacific Telephone
1960	MARTINEZ RAYMOND	Pacific Telephone
	MARTINEZ ARMIDA	Pacific Telephone
1950	CUELLAR MANUEL H R	Pacific Telephone
	CUELLAR MANUEL H R	Pacific Telephone

125 N 2ND AVE

Year	Uses	Source
1957	AYALA JOHN P	Pacific Telephone
1950	AYALA JOHN P R	Pacific Telephone
	AYALA JOHN P R	Pacific Telephone

FINDINGS

117A N 2ND AVE

Year	Uses	Source
1960	FOOTHILL DEBURRING SERV	Pacific Telephone
1957	BR-ITE INSTRUMENT CO INC	Pacific Telephone

117B N 2ND AVE

Year	Uses	Source
1985	SEVEN SEAS HEALTH PRODUCTS CO	Pacific Bell
1980	SEVEN SEAS HEALTH PRODUCTS CO N 2ND AVE ARCADIA	Pacific Telephone
1960	OHIO HOME STYLE SAUSAGE CO	Pacific Telephone
1957	OHIO HOME STYLE SAUSAGE CO	Pacific Telephone

117E N 2ND AVE

Year	Uses	Source
1985	Z CAPS	Pacific Bell

121 1/2 N 2ND AVE

Year	Uses	Source
1985	PARRA ROSA	Pacific Bell
	PARRA MARIA	Pacific Bell
1980	PARRA ROSA N 2ND AVE ARCADIA	Pacific Telephone
	MARTINEZ FRANCES N 2ND AVE ARCADIA	Pacific Telephone
1975	PARRA ROSA	Pacific Telephone
	PARRA MARIA	Pacific Telephone
	MARTINEZ FRANCES	Pacific Telephone
1966	MARTINEZ FRANCES	Pacific Telephone

N 3RD AVE

5 N 3RD AVE

Year	Uses	Source
1995	Eagle IS S S	Pacific Bell

11 N 3RD AVE

Year	Uses	Source
1950	SCHAUL HENRY E R	Pacific Telephone
	SCHAUL HENRY E R	Pacific Telephone

FINDINGS

15 N 3RD AVE

Year	Uses	Source
1980	HAACK JOHN M N 3RD AVE ARCADIA	Pacific Telephone
1975	HAACK JOHN M	Pacific Telephone
1966	HAACK JOHN M	Pacific Telephone
1960	HAACK JOHN M	Pacific Telephone
1957	HAACK JOHN M	Pacific Telephone
1950	HAACK JOHN M R	Pacific Telephone
	HAACK JOHN M R	Pacific Telephone

16 N 3RD AVE

Year	Uses	Source
1985	CROSS HERBERT R	Pacific Bell
1975	HARRIS J	Pacific Telephone
1966	ANTISTA ANGELA MRS	Pacific Telephone
1960	ANTISTA TONY	Pacific Telephone
1957	ANTISTA TONY	Pacific Telephone
1950	ANTISTA TONY R	Pacific Telephone
	ANTISTA TONY R	Pacific Telephone

20 N 3RD AVE

Year	Uses	Source
1966	ANDERSON S L	Pacific Telephone
1960	ANDERSON STELLA	Pacific Telephone
1957	ANDERSON STELLA	Pacific Telephone
1950	ANDERSON STELLA R	Pacific Telephone
	ANDERSON STELLA R	Pacific Telephone

21 N 3RD AVE

Year	Uses	Source
1985	GARRISON CHRIS A	Pacific Bell
1980	DOUGLASS STEPHEN N 3RD AVE ARCADIA	Pacific Telephone
	LAWSON S N 3RD AVE ARCADIA	Pacific Telephone
1966	VILELA JORGE C	Pacific Telephone
1960	DANCIART TED E	Pacific Telephone
	DANCIART CYRENE	Pacific Telephone
1957	MALTZ STEPHEN	Pacific Telephone

FINDINGS

22 N 3RD AVE

Year	Uses	Source
1985	BURROWS GARY	Pacific Bell
1980	BURROWS GARY N 3RD AVE ARCADIA	Pacific Telephone
1966	HOWELL GARY W	Pacific Telephone
1960	MASON ARTHOR	Pacific Telephone
1957	MORRISON THOS J	Pacific Telephone

23 N 3RD AVE

Year	Uses	Source
1950	KING W W R	Pacific Telephone
	KING W W R	Pacific Telephone

24 N 3RD AVE

Year	Uses	Source
1966	KENNEDY SARAH	Pacific Telephone
1957	BENDER WILLARD	Pacific Telephone

25 N 3RD AVE

Year	Uses	Source
1985	WHON JE WAN	Pacific Bell
	KOUYOUMJIAN ISABEL	Pacific Bell
1980	ALVAREZ FELIX M N 3RD AVE ARCADIA	Pacific Telephone
	BUBAR MATT S N 3RD AVE ARCADIA	Pacific Telephone
	KOUYOUMJIAN ISABEL N 3RD AVE ARCADIA	Pacific Telephone
1975	SAAVEDRA ROBT	Pacific Telephone
1966	TRYGESTAD FLORENCE S MRS	Pacific Telephone
1960	PAULE GURNEY E	Pacific Telephone
	TRYGESTAD FLORENCE S MRS	Pacific Telephone
	PAULEN ROBT E	Pacific Telephone
1957	TRYGESTAD MARTIN	Pacific Telephone
1950	HOAGLAND BERT R	Pacific Telephone
	HOAGLAND BERT R	Pacific Telephone

28 N 3RD AVE

Year	Uses	Source
1985	MARVIN RICHARD V	Pacific Bell
1980	TRACY L N 3RD AVE ARCADIA	Pacific Telephone
	FRASER A L N 3RD AVE ARCADIA	Pacific Telephone

Year	Uses	Source
1966	SMITH DALE ECHLOE	Pacific Telephone
1960	HANSEN ROY J	Pacific Telephone
1957	HANSEN ROY J	Pacific Telephone

29 N 3RD AVE

Year	Uses	Source
1985	HOO RUBEN YEUNBING	Pacific Bell
1980	HOO RUBEN YEUNBING N 3RD AVE ARCADIA	Pacific Telephone
1960	REED IDA M	Pacific Telephone
1957	REED IDA M	Pacific Telephone

32 N 3RD AVE

Year	Uses	Source
1980	VALDEZ RAUL N 3RD AVE ARCADIA	Pacific Telephone
1975	WALLING GEOFFREY	Pacific Telephone
1966	DURLAND DENNIS A	Pacific Telephone
1960	CUSHINGHAM E S	Pacific Telephone
1957	MEYER HENRY T	Pacific Telephone
1950	HAYWARD EDW C R	Pacific Telephone
	HAYWARD EDW C R	Pacific Telephone

33 N 3RD AVE

Year	Uses	Source
1980	BATES G N N 3RD AVE ARCADIA	Pacific Telephone
1966	STURNIOLO MRS	Pacific Telephone
1960	WAY LAWRENCE J	Pacific Telephone
1957	WAY LAWRENCE J	Pacific Telephone
1950	WAY LAWRENCE J R	Pacific Telephone
	WAY LAWRENCE J R	Pacific Telephone

34 N 3RD AVE

Year	Uses	Source
1985	VELASQUEZ MARTHA	Pacific Bell
1980	BARNETT MICHAEL P N 3RD AVE ARCADIA	Pacific Telephone
1966	HOUSTON RICHARD	Pacific Telephone
1957	VASKO JOHN M	Pacific Telephone

FINDINGS

37 N 3RD AVE

Year	Uses	Source
1985	HUGHES LAURA	Pacific Bell
	HUGHES LAURA	Pacific Bell
1980	HUGHES LAURA N 3RD AVE ARCADIA	Pacific Telephone
1957	GRAY DANL W	Pacific Telephone
1950	WOODS B W MRS R	Pacific Telephone
	WOODS B W MRS R	Pacific Telephone

38 N 3RD AVE

Year	Uses	Source
1985	CHIN JOHN S	Pacific Bell
	COTTRELL CHRISTOPHER	Pacific Bell
	JACOBS AL	Pacific Bell
	YI WON C	Pacific Bell
1980	LILE JERRY N 3RD AVE ARCADIA	Pacific Telephone
	CHIN JOHN S N 3RD AVE ARCADIA	Pacific Telephone
	MARTIN KENNETH E N 3RD AVE ARCADIA	Pacific Telephone
	YAEGER RICHARD M N 3RD AVE ARCADIA	Pacific Telephone
1975	BUCKMAN HENRY	Pacific Telephone
	FERRELL E	Pacific Telephone
	LESLIE DIANNE	Pacific Telephone
	STEPHENS S	Pacific Telephone
	HANSON M ARCADIA	Pacific Telephone
1966	BUCKMAN HENRY	Pacific Telephone
	MULFORD JEFFREY P	Pacific Telephone
	WRIGHT JAS W	Pacific Telephone
1960	BUCKMAN HENRY	Pacific Telephone
	FLUEG W H	Pacific Telephone
	GAYLORD ALBERT	Pacific Telephone
	HICKS BARBARA	Pacific Telephone
	O LEARY M L	Pacific Telephone
1957	BUCKMAN HENRY	Pacific Telephone
	GAYLORD ALBERT	Pacific Telephone
	O LEARY L	Pacific Telephone
	FLUEG W H	Pacific Telephone
1950	GROAT MYRTLE MRS R	Pacific Telephone
	HAGEN CHAS FRED R	Pacific Telephone

FINDINGS

Year	Uses	Source
1950	MEAD CHAS A R	Pacific Telephone
	GROAT MYRTLE MRS R	Pacific Telephone
	HAGEN CHAS FRED R	Pacific Telephone
	MEAD CHAS A R	Pacific Telephone

42 N 3RD AVE

Year	Uses	Source
1985	NAJJAR ELIE	Pacific Bell
	MORGAN P N	Pacific Bell
1980	OLIAI MAJEED N 3RD AVE ARCADIA	Pacific Telephone
	SMITH T N 3RD AVE ARCADIA	Pacific Telephone
	STILWELL MIKE N 3RD AVE ARCADIA	Pacific Telephone
1975	GARDNER Y MRS ARCADIA	Pacific Telephone
	THORPE LESTER G	Pacific Telephone
1966	THORPE LESTER G	Pacific Telephone
1960	SMITH CARROLL W	Pacific Telephone
	PHILLIPS DOREEN	Pacific Telephone
1957	SULLIVAN ROBT E	Pacific Telephone
1950	DENMAN KATHRYNE R	Pacific Telephone
	DENMAN KATHRYNE R	Pacific Telephone

44 N 3RD AVE

Year	Uses	Source
1975	MC GRANE JOHN R II	Pacific Telephone
1966	NOLIN DEL	Pacific Telephone
1957	LAWRENCE RAY B	Pacific Telephone
	LASSWELL A G	Pacific Telephone
1950	FASNACHT JOHN R R	Pacific Telephone
	WILSON F J R	Pacific Telephone
	FASNACHT JOHN R R	Pacific Telephone
	WRIGHT E H R	Pacific Telephone
	WILSON F J R	Pacific Telephone
	WRIGHT E H R	Pacific Telephone

45 N 3RD AVE

Year	Uses	Source
1980	LEHMAN LYNN N 3RD AVE ARCADIA	Pacific Telephone
1975	LEHMAN LYNN	Pacific Telephone
1966	KIRMSSE KENNETH	Pacific Telephone

Year	Uses	Source
1960	KIRMSSE OTTO JR	Pacific Telephone
1957	KIRMSSE OTTO JR	Pacific Telephone
1950	TIMERHOFF E R	Pacific Telephone
	TIMERHOFF E R	Pacific Telephone

49 N 3RD AVE

Year	Uses	Source
1966	FELTZ RONALD M	Pacific Telephone
	FELTZ CHARLENE	Pacific Telephone
1960	BOYD FRANCES M	Pacific Telephone
	GROSS OZELLA ARCADIA	Pacific Telephone
1957	BLOYS R D	Pacific Telephone
1950	DAILY IDA MRS R	Pacific Telephone
	DAILY IDA MRS R	Pacific Telephone

51 N 3RD AVE

Year	Uses	Source
1976	LINK NILSEN CORP	Pacific Telephone
1975	LINK NILSEN CORP	Pacific Telephone
1966	NILSEN FIRE PROTECTION INC	Pacific Telephone
	NILSEN FIRE PROTECTION ENGINEERING	Pacific Telephone
1960	GEDDES MERLIN L PLUMBNG & HEATING	Pacific Telephone
1957	GEDDES MERLIN L PLUMBNG & HEATING	Pacific Telephone
1950	GEDDES MERLIN L PLUMBNG & HEATING	Pacific Telephone
	GEDDES MERLIN L PLUMBNG & HEATING	Pacific Telephone

120 N 3RD AVE

Year	Uses	Source
1985	ARCADIA PONY COLT CONCESSION	Pacific Bell

123 N 3RD AVE

Year	Uses	Source
1986	BONG CLIFFORD C & CO CONTRS ARCADIA	Pacific Bell
1985	BONG CLIFFORD C & CO CONTRS	Pacific Bell
1981	BONG CLIFFORD C & CO CONTRS ARCADIA	Pacific Telephone

Year	Uses	Source
1980	BONG CLIFFORD C & CO CONTRS N 3RD AVE ARCADIA	Pacific Telephone
1976	Bong Clifford C & Co contrs	Pacific Telephone
1975	BONG CLIFFORD C & CO CONTRS	Pacific Telephone
1966	BONG CLIFFORD C & CO CONTRS	Pacific Telephone
1960	BONG CLIFFORD C & CO CONTRS	Pacific Telephone
1957	BONG CLIFFORD C & CO CONTRS	Pacific Telephone
1950	BONG CLIFFORD C & CO YD	Pacific Telephone
	BONG CLIFFORD C & CO CONTRS	Pacific Telephone
	BONG CLIFFORD C & CO CONTRS	Pacific Telephone
	BONG CLIFFORD C & CO YD	Pacific Telephone

21A N 3RD AVE

Year	Uses	Source
1966	FARLEY THOS P	Pacific Telephone
1960	LEAF DARYL E	Pacific Telephone
	LEAF ISABEL	Pacific Telephone

49A N 3RD AVE

Year	Uses	Source
1985	CLAYTON J	Pacific Bell
1980	NOTTINGHAM BRADLEY N 3RD AVE ARCADIA	Pacific Telephone
1975	LOSEY ORVILLE F	Pacific Telephone
1957	AVERY DONALD S	Pacific Telephone

28 1/2 N 3RD AVE

Year	Uses	Source
1985	TREJO LORENZO MARIN	Pacific Bell
1980	MARVIN RICHARD V N 3RD AVE ARCADIA	Pacific Telephone
1975	TAYLOR DON E	Pacific Telephone
1966	KING KAY	Pacific Telephone
1950	MERION IRENE R	Pacific Telephone
	MERION IRENE R	Pacific Telephone

34 1/2 N 3RD AVE

Year	Uses	Source
1980	ANDERSON ROBT G N 3RD AVE ARCADIA	Pacific Telephone
1975	HALL JOAN K	Pacific Telephone

Year	Uses	Source
1966	LOSEY ORVILLE F	Pacific Telephone
1960	LOSEY ORVILLE F	Pacific Telephone

S 2ND AVE

2 S 2ND AVE

Year	Uses	Source
1999	ND AV S 91006 CONT	Haines Company
	ND AV S 91006 CONT	Haines Company

5 S 2ND AVE

Year	Uses	Source
1995	Foothill Landscaping & Sprinkler Co	Pacific Bell
	I Tikvah S S	Pacific Bell

6 S 2ND AVE

Year	Uses	Source
1995	Warnke	Pacific Bell

02 S 2ND AVE

Year	Uses	Source
1995	I Gahr Wm T I S	Pacific Bell

19 S 2ND AVE

Year	Uses	Source
1999	XXXX	Haines Company
1985	DEAN POOLS THE CUSTOM BUILDER	Pacific Bell
1980	DEAN POOLS THE CUSTOM BUILDER S 2ND AVE ARCADIA	Pacific Telephone
1975	HOMEOWNERS RECLAMATION CO	Pacific Telephone
	BIRMINGHAM DECORATING SERVICE	Pacific Telephone
1960	GENERAL TIRE CO OF ARCADIA ARCADIA	Pacific Telephone
	ARCADIA GENL TIRE CO	Pacific Telephone
1957	ARCADIA LOCK SERV	Pacific Telephone
	NORM S LAWN MOWER SHOP	Pacific Telephone
	WINBLAD NORMAN E NORM S LAWN MOWER SHOP	Pacific Telephone
1950	BUCK L V IWN MOWERS	Pacific Telephone
	BUCK L V IWN MOWERS	Pacific Telephone

FINDINGS

21 S 2ND AVE

Year	*Uses*	*Source*
2014	OCCUPANT UNKNOWN	Cole Information Services
2009	OCCUPANT UNKNOWN	Cole Information Services
2006	000	Haines Company
2004	OCCUPANT UNKNOWN	Cole Information Services
1985	HELWICK CARRIE J	Pacific Bell
1980	HELWICK CARRIE J S 2ND AVE ARCADIA	Pacific Telephone
1966	BERTOLINA C O	Pacific Telephone
1950	MAGDIEL MARIA MRS R	Pacific Telephone
	MAGDIEL MARIA MRS R	Pacific Telephone

23 S 2ND AVE

Year	*Uses*	*Source*
2014	JIAN SUN	Cole Information Services
2009	DONG XIE	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services
2006	LI PIng	Haines Company
2004	RAYMOND TRIEU	Cole Information Services
1999	DONG XIE	Cole Information Services
1995	Marquez Jalme Carios	Pacific Bell
1994	MARQUEZ, JAIME C	Cole Information Services
1985	CURNOE B	Pacific Bell
1980	CURNOE B S 2ND AVE ARCADIA	Pacific Telephone
1975	SCOTT B B ARCADIA	Pacific Telephone
1960	TYCKOWSKI JOS	Pacific Telephone
1957	BEGIN MARIE	Pacific Telephone
1950	MILLER JOHN E R	Pacific Telephone
	MILLER JOHN E R	Pacific Telephone

25 S 2ND AVE

Year	*Uses*	*Source*
2014	TARIC HEGAB	Cole Information Services
2009	TARIC HEGAB	Cole Information Services
2006	HEGABAhmed	Haines Company
2004	AHMED HEGAB	Cole Information Services
1999	TARIC HEGAB	Cole Information Services
	HEGAB Ahmed D	Haines Company
1985	JENSON CLIFF JR	Pacific Bell

Year	Uses	Source
1980	HUBBELL GLENN S 2ND AVE ARCADIA	Pacific Telephone
1975	TREW M M	Pacific Telephone
1966	TREW M M	Pacific Telephone
1960	TREW M M	Pacific Telephone
1957	TREW M M	Pacific Telephone
1950	TREW M M R	Pacific Telephone
	TREW M M R	Pacific Telephone

31 S 2ND AVE

Year	Uses	Source
2009	OCCUPANT UNKNOWN	Cole Information Services
2006	AGUAYO Nicolas	Haines Company
2004	THOMAS MORALES	Cole Information Services
1999	OCCUPANT UNKNOWN	Cole Information Services
1966	GENSS DAVID	Pacific Telephone
1960	GENSS DAVID	Pacific Telephone
1957	EBERLY GORDON S	Pacific Telephone
1950	BERTOLINA L C R	Pacific Telephone
	BERTOLINA L C R	Pacific Telephone

51 S 2ND AVE

Year	Uses	Source
1950	LAVOIE HENRY R	Pacific Telephone
	LAVOIE HENRY R	Pacific Telephone

80 S 2ND AVE

Year	Uses	Source
1950	TEICH DAVID V R	Pacific Telephone
	TEICH DAVID V R	Pacific Telephone

103 S 2ND AVE

Year	Uses	Source
1999	XXXX	Haines Company
1975	WOODWARD K Y	Pacific Telephone
1957	HALSTEAD STANLEY E	Pacific Telephone
1950	HALSTEAD STANLEY E R	Pacific Telephone
	HALSTEAD STANLEY E R	Pacific Telephone

FINDINGS

105 S 2ND AVE

Year	Uses	Source
1999	XXXX	Haines Company
1975	FARRIS M L	Pacific Telephone
1966	JOSEPHSON ANNIE K	Pacific Telephone
1960	RYAN LOUISE H	Pacific Telephone
1950	MCCLAIN ELIZABETH R	Pacific Telephone
	MCCLAIN ELIZABETH R	Pacific Telephone

107 S 2ND AVE

Year	Uses	Source
1980	COOK I S 2ND AVE ARCADIA	Pacific Telephone

50S S 2ND AVE

Year	Uses	Source
1966	GALLO D R	Pacific Telephone

23 1/2 S 2ND AVE

Year	Uses	Source
1995	MARQUEZ JALME CARIOS	Pacific Bell
1975	HELWICK JEROME J ARCADIA	Pacific Telephone
1966	HELWICK JEROME J	Pacific Telephone
1957	HELWICK JEROME J	Pacific Telephone

W HUNTINGTON DR

300 W HUNTINGTON DR

Year	Uses	Source
2014	METHODIST HOSPITAL MAIN NUMBER	Cole Information Services
	PEDIATRIX	Cole Information Services
	METHODIST HOSPITAL	Cole Information Services
	METHODIST HOSPITAL OF SOUTHERN CA	Cole Information Services
2004	METHODIST HOSPITAL SURGERY CTR	Cole Information Services
	WOUND CARE CTR	Cole Information Services
	METHODIST HOSPITAL OF ARCADIA	Cole Information Services
	SOUTHERN CLFRN HLTHCR SYSTM	Cole Information Services
	SOUTHERN CALIFORNIA HEALTHCARE	Cole Information Services
	ARCADIA PATHOLOGY MED GROUP	Cole Information Services
	METHODIST HOSPITAL FOUNDATION	Cole Information Services

FINDINGS

Year	Uses	Source
1999	METHODIST HOSPITAL NURSING ADMINISTRATION	Cole Information Services
	METHODIST HOSPITAL X RAY	Cole Information Services
	METHODIST HOSPITAL EMERGENCY DEPARTMENT	Cole Information Services
	S M E STEEL CONTRACTORS CORPORATION	Cole Information Services
	METHODIST HOSPITAL PURCHASING	Cole Information Services
	METHODIST HOSPITAL PHARMACY	Cole Information Services
	METHODIST HOSPITAL PERSONNEL	Cole Information Services
	BERGELECTRIC	Cole Information Services
	ARCADIA SPTS MEDCN & REHAB CENTER	Cole Information Services
	METHODIST HOSPITAL SOCIAL SERVICES	Cole Information Services
	METHODIST HOSPITAL	Cole Information Services
	METHODIST HOSPITAL SENIOR CARE COORDINATOR	Cole Information Services
	METHODIST HOSPITAL PHYSICIAN REFERRAL SERVICE	Cole Information Services
	METHODIST HOSPITAL REGISTRATION	Cole Information Services
	METHODIST HOSPITAL VOLUNTEER SERVICES	Cole Information Services
	METHODIST HOSPITAL PHYSICAL THERAPY CENTER	Cole Information Services
	METHODIST HOSPITAL REHABILITATION SERVICES	Cole Information Services
	METHODIST HOSPITAL OF SO CALIF	Cole Information Services
	METHDST HOSP EXEC ADMNSTRV OFFICES	Cole Information Services
	METHODIST HOSPITAL MEDICAL RECORDS	Cole Information Services
	METHODIST HOSPITAL PSYCHIATRIC SERVICES	Cole Information Services
	METHODIST HOSPITAL LABORATORY	Cole Information Services
	METHODIST HOSPITAL TRANSITIONAL CARE UNIT	Cole Information Services
1994	METHODIST HOSPITAL	Cole Information Services

400 W HUNTINGTON DR

Year	Uses	Source
2014	COUNTRY VILLA HUNTINGTON DRIVE HEALT	Cole Information Services
	BIOPATH	Cole Information Services

Year	Uses	Source
2009	HUNTINGTON DRIVE NURSING CENTER	Cole Information Services
	JANET SPRIGGS	Cole Information Services
	COUNTRY VILLA HUNTINGTON DRIVE SKILL	Cole Information Services
2004	HNTNGTN DRIVE SKLD NRSNG CTR	Cole Information Services
1999	HUNTINGTON DRIVE SKILLED NURSING CENTER	Cole Information Services
	JANET SPRIGGS	Cole Information Services
1994	HUNTGTN DR NRSNG CT	Cole Information Services
	MCCREERY, M	Cole Information Services
	CERATO, E	Cole Information Services
	BOEHLE, L	Cole Information Services
	STEWART, BETTY E	Cole Information Services
	YOUNG, B	Cole Information Services

430 W HUNTINGTON DR

Year	Uses	Source
2014	TINA TSOUTSAS	Cole Information Services
2009	TINA TSOUTSAS	Cole Information Services
2004	TINA TSOUTSAS	Cole Information Services
1999	TINA TSOUTSAS	Cole Information Services
1994	ACHILLES, Z	Cole Information Services

W HUNTINGTON DR MARKETING

300 W HUNTINGTON DR MARKETING

Year	Uses	Source
2014	METHODIST HOSPITAL	Cole Information Services

FINDINGS

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched	Address Not Identified in Research Source
02 S 2ND AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
100 N 2ND AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
101 N 2ND AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
103 S 2ND AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
105 N 2ND AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
105 S 2ND AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
107 N 2ND AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
107 S 2ND AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
11 N 3RD AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
113 N 2ND AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
117 N 2ND AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
117A N 2ND AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
117B N 2ND AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
117E N 2ND AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
119 N 2ND AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
120 N 3RD AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
121 1/2 N 2ND AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
121 N 2ND AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
123 N 3RD AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
125 N 2ND AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
15 N 3RD AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
16 N 3RD AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
19 S 2ND AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2 N 2ND AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2 S 2ND AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
20 N 3RD AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
21 N 2ND AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
21 N 3RD AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
21 S 2ND AVE	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
21 S 2ND AVE	2006, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
211 E HUNTINGTON DR	2009, 2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
211 E HUNTINGTON DR	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1994, 1992, 1991, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
215 E HUNTINGTON DR	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
217 E HUNTINGTON DR	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
218 E HUNTINGTON DR	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
219 E HUNTINGTON DR	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
21A N 3RD AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
22 N 3RD AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
222 E HUNTINGTON DR	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
223 E HUNTINGTON DR	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
23 1/2 S 2ND AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
23 N 3RD AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
23 S 2ND AVE	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
23 S 2ND AVE	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1994, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
231 1/2 E HUNTINGTON DR	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
231 E HUNTINGTON DR	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
233 E HUNTINGTON DR	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1994, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
233 E HUNTINGTON DR	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
233 E HUNTINGTON DR	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
233 East Huntington Drive	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1994, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
24 N 3RD AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25 N 3RD AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25 S 2ND AVE	2014, 2009, 2004, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25 S 2ND AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
251 E HUNTINGTON DR	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
253 E HUNTINGTON DR	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
258 E HUNTINGTON DR	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
260 E HUNTINGTON DR	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
28 1/2 N 3RD AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
28 N 3RD AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
280 BONITA ST	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
285 E HUNTINGTON DR	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
285 E HUNTINGTON DR	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
29 N 3RD AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
300 E HUNTINGTON DR	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1994, 1992, 1991, 1990, 1986, 1985, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
300 E HUNTINGTON DR	2009, 2006, 2004, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
300 E HUNTINGTON DR	2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
300 E HUNTINGTON DR	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
300 E HUNTINGTON DR	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
300 East Huntington Drive	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1994, 1992, 1991, 1990, 1986, 1985, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
300 W HUNTINGTON DR	2009, 2006, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
300 W HUNTINGTON DR	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
300 W HUNTINGTON DR	2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
300 W HUNTINGTON DR	2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
300 W HUNTINGTON DR MARKETING	2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
302 E HUNTINGTON DR	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
302 E HUNTINGTON DR	2006, 2004, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
304 E HUNTINGTON DR	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
304 E HUNTINGTON DR	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1994, 1992, 1991, 1990, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
308 E HUNTINGTON DR	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
308 E HUNTINGTON DR	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
31 S 2ND AVE	2014, 2006, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
31 S 2ND AVE	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
310 E HUNTINGTON DR	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1994, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
310 E HUNTINGTON DR	2009, 2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
311 E Huntington	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
311 E HUNTINGTON DR	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
311 E HUNTINGTON DR	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
311 E HUNTINGTON DR	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
312 1/2 E HUNTINGTON DR	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
312 E HUNTINGTON DR	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
312 E HUNTINGTON DR	2006, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
313 E HUNTINGTON DR	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
314 E HUNTINGTON DR	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
314 E HUNTINGTON DR	2009, 2006, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
315 1/2 E HUNTINGTON DR	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
315 E HUNTINGTON DR	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
316 E HUNTINGTON DR	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
317 1/2 E HUNTINGTON DR	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
317 E HUNTINGTON DR	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
318 E HUNTINGTON DR	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
318A E HUNTINGTON DR	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
32 N 3RD AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
320 E HUNTINGTON DR	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
320 E HUNTINGTON DR	2006, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
321 E HUNTINGTON DR	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
321 E HUNTINGTON DR	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
322 1/2 E HUNTINGTON DR	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
322 E HUNTINGTON DR	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
324 E HUNTINGTON DR	2006, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
324 E HUNTINGTON DR	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
326 E HUNTINGTON DR	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
328 E HUNTINGTON DR	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
328 E HUNTINGTON DR	2006, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
33 N 3RD AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
332 E HUNTINGTON DR	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1994, 1992, 1991, 1990, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
332 E HUNTINGTON DR	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
333 E HUNTINGTON DR	2006, 2004, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
333 E HUNTINGTON DR	2006, 2004, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
333 E HUNTINGTON DR	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1994, 1992, 1991, 1990, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
333 East Huntington Drive	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1994, 1992, 1991, 1990, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
334 BONITA ST	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
334 E HUNTINGTON DR	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
336 E HUNTINGTON DR	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
336 E HUNTINGTON DR	2014, 2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
34 1/2 N 3RD AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
34 N 3RD AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
340 E HUNTINGTON DR	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
37 N 3RD AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
38 N 3RD AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
400 E HUNTINGTON DR	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1994, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
400 E HUNTINGTON DR	2006, 2004, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
400 E HUNTINGTON DR	2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
400 E HUNTINGTON DR	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
400 E HUNTINGTON DR	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
400 E HUNTINGTON DR	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
400 E HUNTINGTON DR	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
400 East Huntington Drive	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1994, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
400 W HUNTINGTON DR	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
400 W HUNTINGTON DR	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
400 W HUNTINGTON DR	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
400 W HUNTINGTON DR	2014, 2009, 2006, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
400 W HUNTINGTON DR	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
400 W HUNTINGTON DR	2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
401 E HUNTINGTON DR	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
401 E HUNTINGTON DR	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
404 E HUNTINGTON DR	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
411 E HUNTINGTON DR	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
411 E HUNTINGTON DR	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
412 E HUNTINGTON DR	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
415 E HUNTINGTON DR	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
418 E HUNTINGTON DR	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
42 N 3RD AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
420 E HUNTINGTON DR	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
420 E HUNTINGTON DR	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
421 E HUNTINGTON DR	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
430 E HUNTINGTON DR	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
430 E HUNTINGTON DR	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
430 E HUNTINGTON DR	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
430 E HUNTINGTON DR	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
430 E HUNTINGTON DR	2014, 2009, 2006, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
430 E HUNTINGTON DR	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
430 E HUNTINGTON DR	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
430 East Huntington Drive	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
430 W HUNTINGTON DR	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
430 W HUNTINGTON DR	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
430 W HUNTINGTON DR	2014, 2009, 2006, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
430 W HUNTINGTON DR	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
430 W HUNTINGTON DR	2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
44 N 3RD AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
440 E HUNTINGTON DR	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
440 E HUNTINGTON DR	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
441 E HUNTINGTON DR	2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
444 E HUNTINGTON DR	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
444 E HUNTINGTON DR	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1994, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
45 N 3RD AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
49 N 3RD AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
49A N 3RD AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

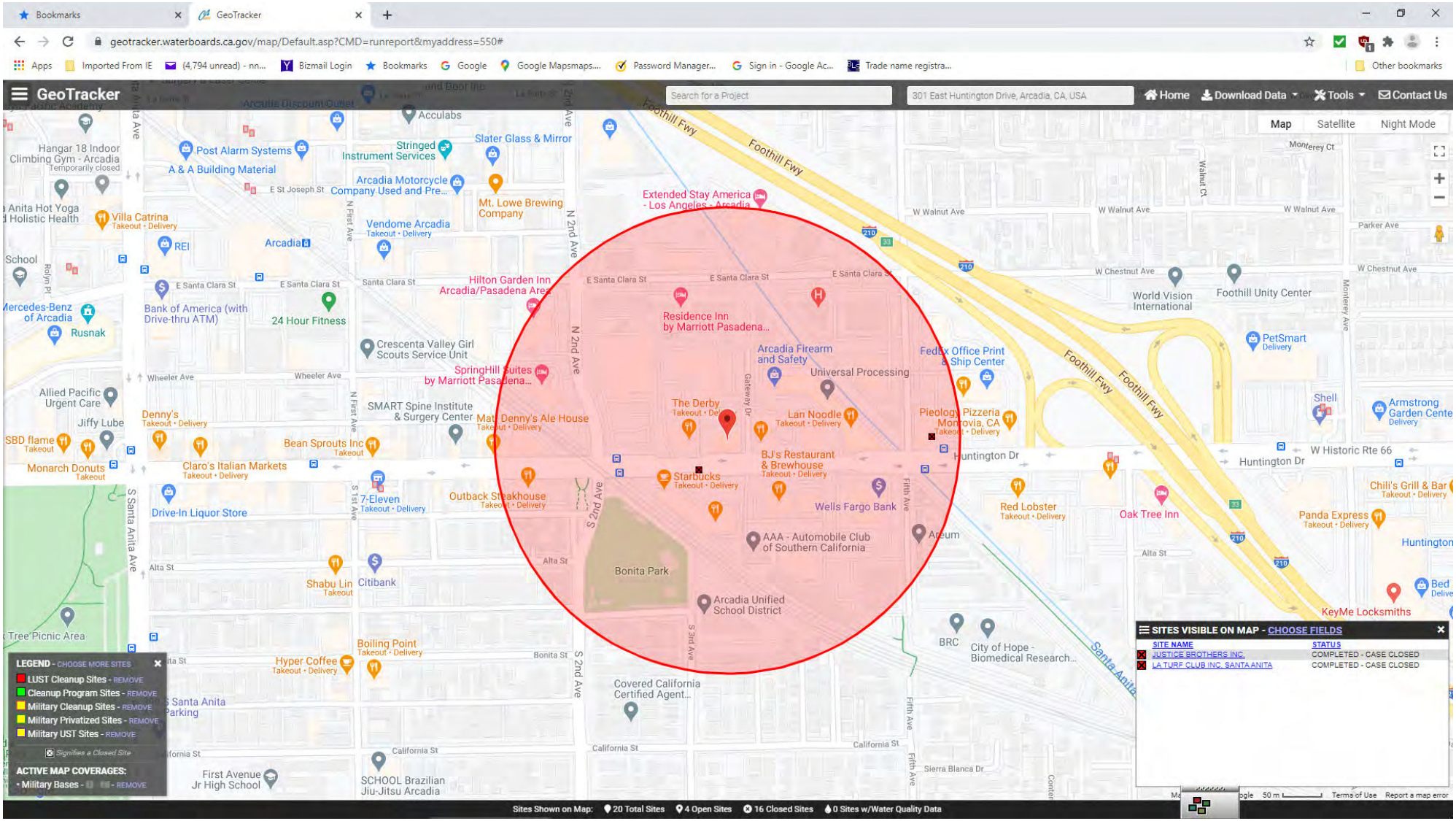
Address Researched	Address Not Identified in Research Source
5 N 3RD AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
5 S 2ND AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
50S S 2ND AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
51 N 3RD AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
51 S 2ND AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
6 S 2ND AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
80 S 2ND AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
99 N 2ND AVE	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
99 N 2ND AVE	2006, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

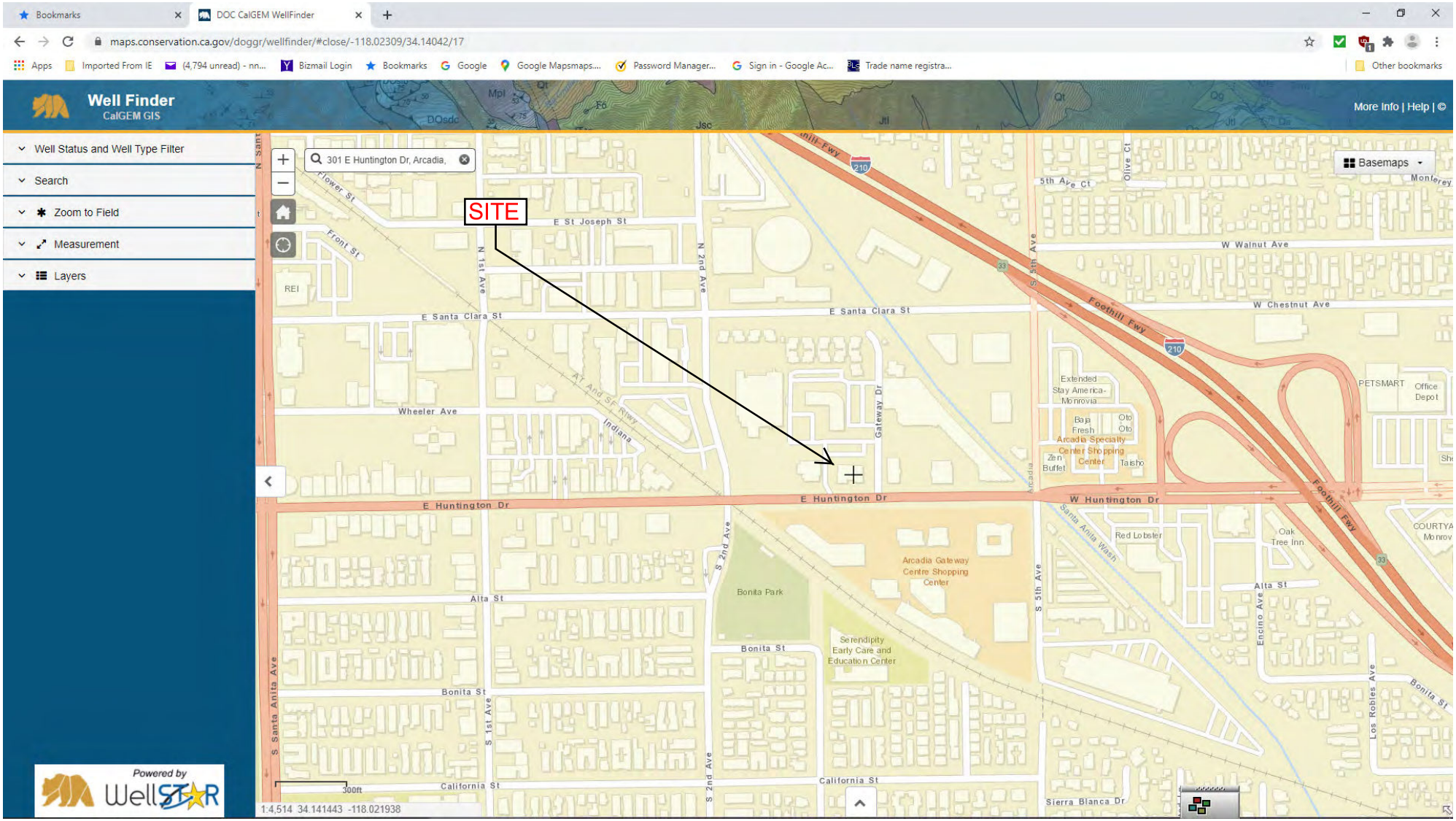
The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched	Address Not Identified in Research Source
301 East Huntington Drive	2003, 2001, 2000, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

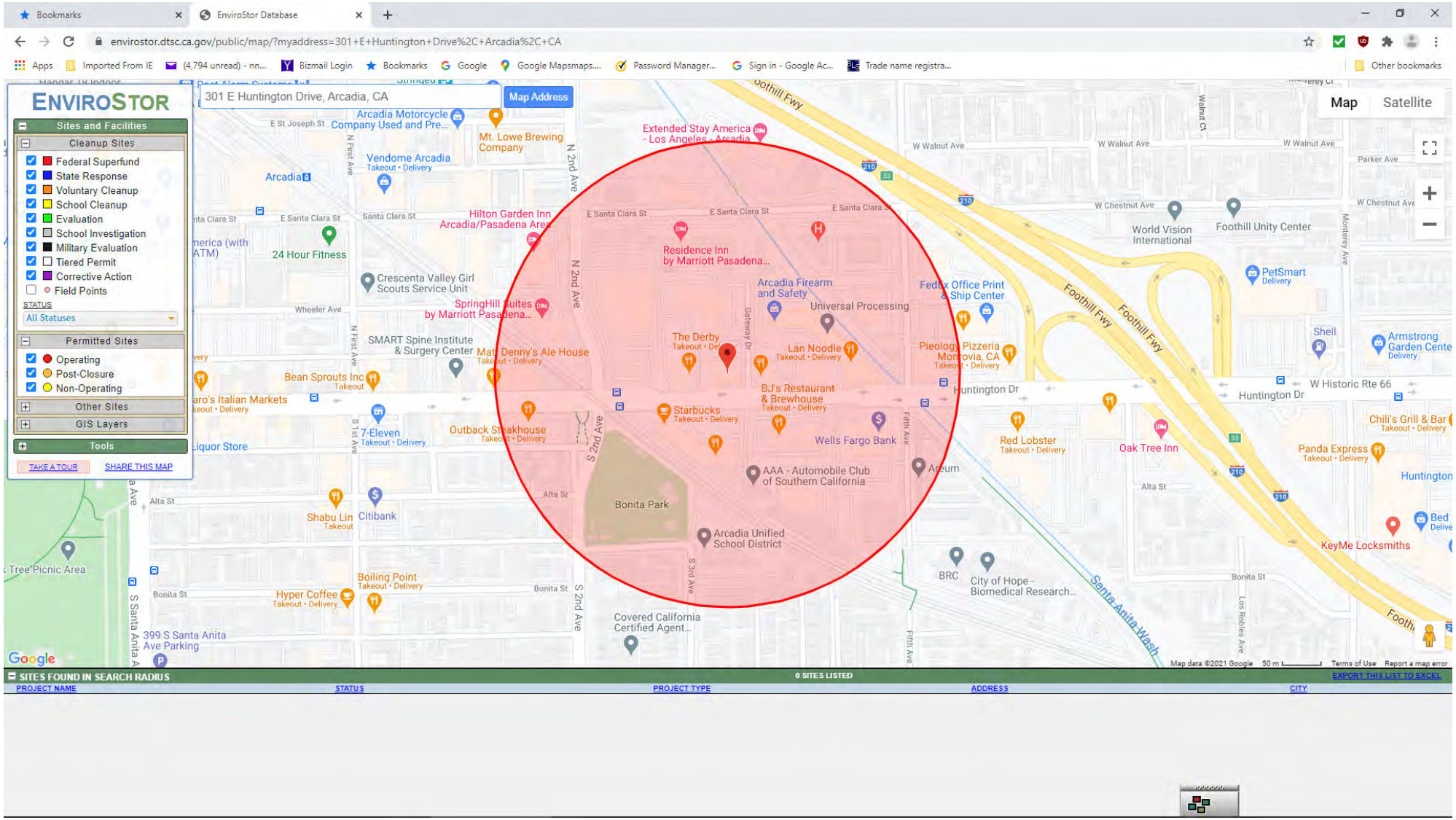
APPENDIX 8.8 - GeoTracker Findings


GeoTracker
Search for a Project
301 East Huntington Drive, Arcadia, CA, USA
Home
Download Data
Tools
Contact Us
Map
Satellite
Night Mode
Foothill Fwy
Residence Inn by Marriott Pasadena...
Hilton Garden Inn Arcadia/Pasadena Area
Extended Stay America - Los Angeles - Arcadia
Arcadia Firearm and Safety
Universal Processing
The Derby
Lan Noodle
BJ's Restaurant & Brewhouse
Wells Fargo Bank
AAA - Automobile Club of Southern California
Arcadia Unified School District
Bonita Park
Outback Steakhouse
Starbucks
7-Eleven
Bean Sprouts Inc
Matt Denny's Ale House
SMART Spine Institute & Surgery Center
SpringHill Suites by Marriott Pasadena...
Crescenta Valley Girl Scouts Service Unit
Bank of America (with Drive-thru ATM)
24 Hour Fitness
Vendome Arcadia
Arcadia Motorcycle Company Used and Pre...
Mt. Lowe Brewing Company
Slater Glass & Mirror
Stringed Instrument Services
Post Alarm Systems
A & A Building Material
Acculabs
Hangar 18 Indoor Climbing Gym - Arcadia
Villa Catrina
REI
Arcadia
Rusnak
Mercedes-Benz of Arcadia
Allied Pacific Urgent Care
Jiffy Lube
Denny's
Monarch Donuts
Claro's Italian Markets
Drive-In Liquor Store
Shabu Lin
Citibank
Hyper Coffee
Boiling Point
First Avenue Jr High School
SCHOOL Brazilian Jiu-Jitsu Arcadia
Covered California Certified Agent...
Santa Anita Parking
Tree Picnic Area
Anita Hot Yoga & Holistic Health
School
World Vision International
Foothill Unity Center
PetSmart
Fedex Office Print & Ship Center
Pieology Pizzeria Monrovia, CA
Shell
Armstrong Garden Cente
Red Lobster
Oak Tree Inn
Panda Express
Chili's Grill & Bar
Huntington Dr
W Historic Rte 66
Arcum
BRC
City of Hope - Biomedical Research...
KeyMe Locksmiths
Bed
Huntington
Monterey Ct
Walnut Ct
Parker Ave
W Walnut Ave
W Chestnut Ave
Monterey Ave
E Santa Clara St
Santa Clara St
Wheeler Ave
Alta St
Bonita St
California St
Sierra Blanca Dr
N 2nd Ave
S 2nd Ave
N First Ave
S 1st Ave
Fifth Ave
Gateway Dr
S Santa Anita Ave
Santa Anita
LEGEND - CHOOSE MORE SITES
LUST Cleanup Sites - REMOVE
Cleanup Program Sites - REMOVE
Military Cleanup Sites - REMOVE
Military Privatized Sites - REMOVE
Military UST Sites - REMOVE
Signifies a Closed Site
ACTIVE MAP COVERAGES:
• Military Bases - REMOVE
SITES VISIBLE ON MAP - CHOOSE FIELDS
SITE NAME
STATUS
JUSTICE BROTHERS INC.
COMPLETED - CASE CLOSED
LA TURF CLUB INC, SANTA ANITA
COMPLETED - CASE CLOSED
Sites Shown on Map: 20 Total Sites 4 Open Sites 16 Closed Sites 0 Sites w/Water Quality Data
Terms of Use
Report a map error

APPENDIX 8.9 - Oil, Gas and Geothermal Resources Well Search Findings


Well Finder
CalGEM GIS
More Info | Help | ©
Well Status and Well Type Filter
Search
Zoom to Field
Measurement
Layers
301 E Huntington Dr, Arcadia,
SITE
Basemaps
E Huntington Dr
W Huntington Dr
E Santa Clara St
E St Joseph St
W Walnut Ave
W Chestnut Ave
Wheeler Ave
Alta St
Bonita St
California St
Sierra Blanca Dr
Foothill Fwy
Bonita Park
Arcadia Gateway Centre Shopping Center
Serendipity Early Care and Education Center
Extended Stay America-Monrovia
Red Lobster
Oak Tree Inn
PETSMART
Office Depot
Powered by WellSTAR
1:4,514 34.141443 -118.021938

APPENDIX 8.10 - EnviroStor Findings


Bookmarks
EnviroStor Database
envirostor.dtsc.ca.gov/public/map/?myaddress=301+E+Huntington+Drive%2C+Arcadia%2C+CA
ENVIROSTOR
301 E Huntington Drive, Arcadia, CA
Map Address
Map
Satellite
Sites and Facilities
Cleanup Sites
Federal Superfund
State Response
Voluntary Cleanup
School Cleanup
Evaluation
School Investigation
Military Evaluation
Tiered Permit
Corrective Action
Field Points
STATUS
All Statuses
Permitted Sites
Operating
Post-Closure
Non-Operating
Other Sites
GIS Layers
Tools
TAKE A TOUR
SHARE THIS MAP
Arcadia Motorcycle Company Used and Pre...
Mt. Lowe Brewing Company
Vendome Arcadia
Takeout • Delivery
Extended Stay America - Los Angeles - Arcadia
Hilton Garden Inn Arcadia/Pasadena Area
24 Hour Fitness
Crescenta Valley Girl Scouts Service Unit
Residence Inn by Marriott Pasadena...
Arcadia Firearm and Safety
Universal Processing
FedEx Office Print & Ship Center
SpringHill Suites by Marriott Pasadena...
SMART Spine Institute & Surgery Center
Mat Denny's Ale House
Takeout • Delivery
The Derby
Takeout • Delivery
Lan Noodle
Takeout • Delivery
Pieology Pizzeria Monrovia, CA
Takeout • Delivery
Bean Sprouts Inc
Takeout
BJ's Restaurant & Brewhouse
Takeout • Delivery
Starbucks
Takeout • Delivery
Wells Fargo Bank
7-Eleven
Takeout • Delivery
Outback Steakhouse
Takeout • Delivery
AAA - Automobile Club of Southern California
Arcum
Red Lobster
Takeout • Delivery
Oak Tree Inn
Panda Express
Takeout • Delivery
Shabu Lin
Takeout
Citibank
Bonita Park
Arcadia Unified School District
Boiling Point
Takeout • Delivery
Hyper Coffee
Takeout • Delivery
399 S Santa Anita Ave Parking
Covered California Certified Agent...
BRC
City of Hope - Biomedical Research...
World Vision International
Foothill Unity Center
PetSmart
Delivery
Shell
Armstrong Garden Cente
Delivery
Chili's Grill & Bar
Takeout • Delivery
KeyMe Locksmiths
Huntington Dr
W Historic Rte 66
Foothill Fwy
Santa Anita Wash
Google
Map data ©2021 Google
Terms of Use
Report a map error
SITES FOUND IN SEARCH RADIUS
0 SITES LISTED
EXPORT THIS LIST TO EXCEL
PROJECT NAME
STATUS
PROJECT TYPE
ADDRESS
CITY

APPENDIX 8.11 – Preliminary Title Report

Commonwealth Land Title Company
888 S. Figueroa Street, Suite 2100
Los Angeles, CA 90017
Phone: (800) 432-0706

Commonwealth Land Title Company
888 S. Figueroa St. Suite 2100
Los Angeles, CA 90017

Attn: **Barbara Laffer**

Our File No: 09174362
Title Officer: Eric Gile
e-mail: titleunit27@cltic.com
Phone: (213) 330-3100
Fax:

Your Reference No:

Property Address: 301 East Huntington Drive, Arcadia, California

PRELIMINARY REPORT

Dated as of January 12, 2021 at 7:30 a.m.

In response to the application for a policy of title insurance referenced herein, Commonwealth Land Title Company hereby reports that it is prepared to issue, or cause to be issued, as of the date hereof, a policy or policies of title insurance describing the land and the estate or interest therein hereinafter set forth, insuring against loss which may be sustained by reason of any defect, lien or encumbrance not shown or referred to as an exception herein or not excluded from coverage pursuant to the printed Schedules, Conditions and Stipulations or Conditions of said policy forms.
The printed Exceptions and Exclusions from the coverage and Limitations on Covered Risks of said policy or policies are set forth in Attachment One. The policy to be issued may contain an arbitration clause. When the Amount of Insurance is less than that set forth in the arbitration clause, all arbitrable matters shall be arbitrated at the option of either the Company or the Insured as the exclusive remedy of the parties. Limitation on Covered Risks applicable to the CLTA and ALTA Homeowner's Policies of Title Insurance which establish a Deductible Amount and a Maximum Dollar Limit of Liability for certain coverages are also set forth in Attachment One. Copies of the policy forms should be read. They are available from the office which issued this report.

The policy(s) of title insurance to be issued hereunder will be policy(s) of **Commonwealth Land Title Insurance Company.**

Please read the exceptions shown or referred to below and the exceptions and exclusions set forth in Attachment One of this report carefully. The exceptions and exclusions are meant to provide you with notice of matters which are not covered under the terms of the title insurance policy and should be carefully considered. It is important to note that this preliminary report is not a written representation as to the condition of title and may not list all liens, defects, and encumbrances affecting title to the land.

This report (and any supplements or amendments hereto) is issued solely for the purpose of facilitating the issuance of a policy of title insurance and no liability is assumed hereby. If it is desired that liability be assumed prior to the issuance of a policy of title insurance, a Binder or Commitment should be requested.

SCHEDULE A

The form of policy of title insurance contemplated by this report is:

ALTA Extended Owner's Policy of Title Insurance (6-17-06)

ALTA Extended Loan Policy of Title Insurance (6-17-06)

The estate or interest in the land hereinafter described or referred to covered by this report is:

A FEE

Title to said estate or interest at the date hereof is vested in:

SHIGENOBU KAKU and HIKARU KAKU, Trustees, of the Kaku Family trust dated 10-22-2012

The land referred to herein is situated in the County of Los Angeles, State of California, and is described as follows:

SEE EXHIBIT "A" ATTACHED HERETO AND MADE A PART HEREOF

EXHIBIT "A"

ALL THAT CERTAIN REAL PROPERTY SITUATED IN THE COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, DESCRIBED AS FOLLOWS:

LOTS 12 THROUGH 20 OF TRACT 6860. IN THE CITY OF ARCADIA. COUNTY OF LOS ANGELES, STATE OF CALIFORNIA. AS PER MAP RECORDED IN BOOK 78 PAGE 75 OF MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

INCLUDING THAT PORTION OF THIRD AVENUE. SHOWN IN TRACT 6860. AS VACATED BY RESOLUTION NO. 5407, RECORDED MARCH 14, 1988 AS INSTRUMENT NO. 88-0341335 OF OFFICIAL RECORDS, IN THE CITY OF ARCADIA, COUNTY OF LOS ANGELES. STATE OF CALIFORNIA. AS PER MAP RECORDED IN BOOK 78 PAGE 75 OF MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, THAT WOULD PASS THE LEGAL CONVEYANCE OF THE SAID LAND DESCRIBED ABOVE.

EXCEPT THE NORTHERLY 43.98 FEET OF LOT 20 OF TRACT 6860.

ALSO EXCEPT THE SOUTHERLY 20 FEET OF LOTS 12 TO 17 WHICH LIE WITHIN THE ADJACENT HUNTINGTON DRIVE RIGHT OF WAY.

ALSO EXCEPT THAT PORTION OF LOT 17 IN SAID TRACT 6860, DESCRIBED AS FOLLOWS:

BEGINNING AT THE INTERSECTION OF THE EASTERLY LINE OF SAID TRACT 6860, AND THE NORTHERLY LINE OF HUNTINGTON DRIVE. (100 FEET WIDE); THENCE NORTHERLY 15 FEET ALONG THE EASTERLY LINE OF TRACT 6860 TO THE POINT OF CUSP WITH A TANGENT CURVE, CONCAVE NORTHWESTERLY AND HAVING A RADIUS OF 15 FEET: SAID CURVE ALSO BEING TANGENT AT ITS WESTERLY TERMINUS TO THE NORTHERLY LINE OF HUNTINGTON DRIVE: THENCE WESTERLY ALONG SAID CURVE TO THE POINT OF TANGENCY; THENCE EASTERLY 15 FEET ALONG THE NORTHERLY LINE OF SAID HUNTINGTON DRIVE, TO THE POINT OF BEGINNING.

APN: 5773-009-065

SCHEDULE B – Section A

The following exceptions will appear in policies when providing standard coverage as outlined below:

1. (a) Taxes or assessments that are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the Public Records; (b) proceedings by a public agency that may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the Public Records.

2. Any facts, rights, interests or claims that are not shown by the Public Records but that could be ascertained by an inspection of the Land or that may be asserted by persons in possession of the Land.

3. Easements, liens or encumbrances, or claims thereof, not shown by the Public Records.

4. Any encroachment, encumbrance, violation, variation or adverse circumstance affecting the Title that would be disclosed by an accurate and complete land survey of the Land and not shown by the Public Records.

5. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water, whether or not the matters excepted under (a), (b) or (c) are shown by the Public Records.

6. Any lien or right to a lien for services, labor or material not shown by the Public Records.

SCHEDULE B – Section B

At the date hereof Exceptions to coverage in addition to the printed exceptions and exclusions in said policy form would be as follows:

A. Property taxes, which are a lien not yet due and payable, including any assessments collected with taxes to be levied for the fiscal year 2021-2022.

B. Property taxes, including any personal property taxes and any assessments collected with taxes, are as follows:

Tax Identification No.:	5773-009-065
Fiscal Year:	2020-2021
1st Installment:	$19,296.77, PAID.
2nd Installment:	$19,296.76, OPEN (Delinquent after April 10)
Penalty and Cost:	$1,939.67
Homeowners Exemption:	$0.00
Code Area:	01868

C. The lien of supplemental or escaped assessments of property taxes, if any, made pursuant to the provisions of Chapter 3.5 (commencing with Section 75) or Part 2, Chapter 3, Articles 3 and 4, respectively, of the Revenue and Taxation Code of the State of California as a result of the transfer of title to the vestee named in Schedule A or as a result of changes in ownership or new construction occurring prior to Date of Policy.

1. Water rights, claims or title to water, whether or not disclosed by the public records.

2. Easement(s) for the purpose(s) shown below and rights incidental thereto as set forth in a document:

Purpose:	Utilities
Recording No:	in Book 180, Page 258, Deeds
Affects:	Said land

Reference is hereby made to said document for full particulars.

3. Covenants, conditions and restrictions but omitting any covenants or restrictions, if any, including but not limited to those based upon race, color, religion, sex, gender, gender identity, gender expression, sexual orientation, marital status, national origin, ancestry, familial status, source of income, disability, veteran or military status, genetic information, medical condition, citizenship, primary language, and immigration status, as set forth in applicable state or federal laws, except to the extent that said covenant or restriction is permitted by applicable law, as set forth in the document

Recording No:	in Book 3892, Page 127; in Book 4884, Page 70 and in Book 4633, Page 122 all of Official Records

Said covenants, conditions and restrictions provide that a violation thereof shall not defeat the lien of any mortgage or deed of trust made in good faith and for value.

4. The Land described herein is included within a project area of the Redevelopment Agency shown below, and that proceedings for the redevelopment of said project have been instituted under the Redevelopment Law (such redevelopment to proceed only after the adoption of the Redevelopment Plan) as disclosed by a document.

Redevelopment Agency:	City of Arcadia Community Redevelopment Agency
Recording Date:	July 16, 1975
Recording No:	as Instrument No. 3632, Official Records

and Recording Date: December 28, 1975
and Recording No: as Instrument No. 4927, Official Records

5. Covenants, conditions and restrictions but omitting any covenants or restrictions, if any, including but not limited to those based upon race, color, religion, sex, gender, gender identity, gender expression, sexual orientation, marital status, national origin, ancestry, familial status, source of income, disability, veteran or military status, genetic information, medical condition, citizenship, primary language, and immigration status, as set forth in applicable state or federal laws, except to the extent that said covenant or restriction is permitted by applicable law, as set forth in the document

Recording No: in Book 7222, Page 226, Official Records

Said covenants, conditions and restrictions provide that a violation thereof shall not defeat the lien of any mortgage or deed of trust made in good faith and for value.

6. Covenants, conditions and restrictions but omitting any covenants or restrictions, if any, including but not limited to those based upon race, color, religion, sex, gender, gender identity, gender expression, sexual orientation, marital status, national origin, ancestry, familial status, source of income, disability, veteran or military status, genetic information, medical condition, citizenship, primary language, and immigration status, as set forth in applicable state or federal laws, except to the extent that said covenant or restriction is permitted by applicable law, as set forth in the document

Recording No: in Book 2796, Page 303, Official Records

Said covenants, conditions and restrictions provide that a violation thereof shall not defeat the lien of any mortgage or deed of trust made in good faith and for value.

7. Covenants, conditions and restrictions but omitting any covenants or restrictions, if any, including but not limited to those based upon race, color, religion, sex, gender, gender identity, gender expression, sexual orientation, marital status, national origin, ancestry, familial status, source of income, disability, veteran or military status, genetic information, medical condition, citizenship, primary language, and immigration status, as set forth in applicable state or federal laws, except to the extent that said covenant or restriction is permitted by applicable law, as set forth in the document

Recording No: in Book 2880, Page 372, Official Records

Said covenants, conditions and restrictions provide that a violation thereof shall not defeat the lien of any mortgage or deed of trust made in good faith and for value.

8. Covenants, conditions and restrictions but omitting any covenants or restrictions, if any, including but not limited to those based upon race, color, religion, sex, gender, gender identity, gender expression, sexual orientation, marital status, national origin, ancestry, familial status, source of income, disability, veteran or military status, genetic information, medical condition, citizenship, primary language, and immigration status, as set forth in applicable state or federal laws, except to the extent that said covenant or restriction is permitted by applicable law, as set forth in the document

Recording No: in Book 4780, Page 176, Official Records

Said covenants, conditions and restrictions provide that a violation thereof shall not defeat the lien of any mortgage or deed of trust made in good faith and for value.

9. Covenants, conditions and restrictions but omitting any covenants or restrictions, if any, including but not limited to those based upon race, color, religion, sex, gender, gender identity, gender expression, sexual orientation, marital status, national origin, ancestry, familial status, source of income, disability, veteran or military status, genetic information, medical condition, citizenship, primary language, and immigration status, as set forth in applicable state or federal laws, except to the extent that said covenant or restriction is permitted by applicable law, as set forth in the document

   Recording No: in Book 4409, Page 233, Official Records

   Said covenants, conditions and restrictions provide that a violation thereof shall not defeat the lien of any mortgage or deed of trust made in good faith and for value.

10. Covenants, conditions and restrictions but omitting any covenants or restrictions, if any, including but not limited to those based upon race, color, religion, sex, gender, gender identity, gender expression, sexual orientation, marital status, national origin, ancestry, familial status, source of income, disability, veteran or military status, genetic information, medical condition, citizenship, primary language, and immigration status, as set forth in applicable state or federal laws, except to the extent that said covenant or restriction is permitted by applicable law, as set forth in the document

    Recording No: in Book 22228, Page 397, Official Records

    Said covenants, conditions and restrictions provide that a violation thereof shall not defeat the lien of any mortgage or deed of trust made in good faith and for value.

11. Easement(s) for the purpose(s) shown below and rights incidental thereto as set forth in a document:

Purpose:	Utilities
Recording Date:	December 16, 1955
Recording No:	as Instrument No. 3883, Official Records
Affects:	The Westerly 6 feet of the Northerly 50 feet of the Southerly 135 feet of said land

12. Easement(s) for the purpose(s) shown below and rights incidental thereto as set forth in a document:

Purpose:	Utilities
Recording Date:	August 3, 1956
Recording No:	as Instrument No. 4176, in Book 51931, Page 342, Official Records
Affects:	The Easterly 3 feet of Lot 20

13. Matters contained in that certain document

Entitled:	Owner Participation Agreement
Executed by:	Arcadia Redevelopment Agency and The Sturniolo Family Trust, et al.
Recording Date:	October 29, 1987
Recording No:	as Instrument No. 87-1731670, Official Records

    Reference is hereby made to said document for full particulars.

    Said agreement was amended by an instrument recorded January 22, 1988 as Instrument No. 88-96216, Official Records.

14. The effect of a Disposition and Development Agreement subject to the terms provided therein, recorded January 22, 1988 as Instrument No. 88-96217 Official Records.

    Said agreement was amended by an instrument recorded January 22, 1988 as Instrument No. 88-96218, Official Records.

15. Easement(s) for the purpose(s) shown below and rights incidental thereto as set forth in a document:

Purpose:	Street
Recording Date:	April 28, 1988
Recording No:	as Instrument No. 88-586659, Official Records

Reference is hereby made to said document for full particulars.

16. A Covenant and Agreement

Executed by:	The Arcadia Redevelopment Agency and Emkay Development Company, Inc., a Nevada corporation
Recording Date:	April 28, 1988
Recording No:	as Instrument No. 88-586661, Official Records

Reference is hereby made to said document for full particulars.

This covenant and agreement provides that it shall be binding upon any future owners, encumbrancers, their successors or assigns, and shall continue in effect until the advisory agency approves termination.

17. Easement(s) for the purpose(s) shown below and rights incidental thereto as set forth in a document:

Purpose:	Ingress and egress
Recording Date:	May 3, 1988
Recording No:	as Instrument No. 88-611808, Official Records

Reference is hereby made to said document for full particulars.

18. A Covenant and Agreement

Executed by:	Arcadia Redevelopment Agency and Derby Restaurants, Inc.
Recording Date:	May 3, 1988
Recording No:	as Instrument No. 88-611809, Official Records

Reference is hereby made to said document for full particulars.

This covenant and agreement provides that it shall be binding upon any future owners, encumbrancers, their successors or assigns, and shall continue in effect until the advisory agency approves termination.

19. Matters contained in that certain document

Entitled:	Notice of Merger
Executed by:	City of Arcadia
Recording Date:	June 8, 1988
Recording No:	as Instrument No. 88-906103, Official Records

Reference is hereby made to said document for full particulars.

20. Matters contained in that certain document

Entitled:	Assignment Agreement
Recording Date:	June 8, 1988
Recording No:	as Instrument No. 88-911164, Official Records

Reference is hereby made to said document for full particulars.

21. Easement(s) for the purpose(s) shown below and rights incidental thereto as set forth in a document:

Purpose:	Underground electrical supply systems and communication systems
Recording Date:	June 16, 1988
Recording No:	as Instrument No. 88-958234, Official Records

Reference is hereby made to said document for full particulars.

22. Easement(s) for the purpose(s) shown below and rights incidental thereto as set forth in a document:

Purpose:	Underground electrical supply systems and communication systems
Recording Date:	August 25, 1988
Recording No:	as Instrument No. 88-1353559, Official Records

Reference is hereby made to said document for full particulars.

23. Matters contained in that certain document

Entitled:	Certificate of Completion
Dated:	September 26, 1989
Executed by:	Arcadia Redevelopment Agency
Recording Date:	November 14, 1989
Recording No:	as Instrument No. 89-1828537, Official Records

Reference is hereby made to said document for full particulars.

24. An unrecorded lease with certain terms, covenants, conditions and provisions set forth therein as disclosed by the document

Entitled:	Assignment of Lease
Lessor:	Shalom Corporation, a California corporation
Lessee:	Brooke & Mack, Inc., a Delaware corporation
Recording Date:	December 22, 1995
Recording No:	as Instrument No. 95-2036770, Official Records

The present ownership of the leasehold created by said lease and other matters affecting the interest of the lessee are not shown herein.

25. Covenants, conditions and restrictions but omitting any covenants or restrictions, if any, including but not limited to those based upon race, color, religion, sex, gender, gender identity, gender expression, sexual orientation, marital status, national origin, ancestry, familial status, source of income, disability, veteran or military status, genetic information, medical condition, citizenship, primary language, and immigration status, as set forth in applicable state or federal laws, except to the extent that said covenant or restriction is permitted by applicable law, as set forth in the document

Recording No:	in Book 2825, Page 218, Official Records

Said covenants, conditions and restrictions provide that a violation thereof shall not defeat the lien of any mortgage or deed of trust made in good faith and for value.

26. Any rights of the parties in possession of a portion of, or all of, said Land, which rights are not disclosed by the public records.

The Company will require, for review, a full and complete copy of any unrecorded agreement, contract, license and/or lease, together with all supplements, assignments and amendments thereto, before issuing any policy of title insurance without excepting this item from coverage.

The Company reserves the right to except additional items and/or make additional requirements after reviewing said documents.

27. Matters which may be disclosed by an inspection and/or by a correct ALTA/NSPS Land Title Survey of said Land that is satisfactory to the Company, and/or by inquiry of the parties in possession thereof.

END OF SCHEDULE B EXCEPTIONS

PLEASE REFER TO THE "NOTES AND REQUIREMENTS SECTION" WHICH FOLLOWS FOR INFORMATION NECESSARY TO COMPLETE THIS TRANSACTION

REQUIREMENTS SECTION:

1. Unrecorded matters which may be disclosed by an Owner's Affidavit or Declaration. A form of the Owner's Affidavit/Declaration is attached to this Preliminary Report/Commitment. This Affidavit/Declaration is to be completed by the record owner of the land and submitted for review prior to the closing of this transaction. Your prompt attention to this requirement will help avoid delays in the closing of this transaction. Thank you.

   The Company reserves the right to add additional items or make further requirements after review of the requested Affidavit/Declaration.

2. Any invalidity or defect in the title of the vestees in the event that the trust referred to herein is invalid or fails to grant sufficient powers to the trustee(s) or in the event there is a lack of compliance with the terms and provisions of the trust instrument.

   If title is to be insured in the trustee(s) of a trust, (or if their act is to be insured), this Company will require a Trust Certification pursuant to California Probate Code Section 18100.5.

   The Company reserves the right to add additional items or make further requirements after review of the requested documentation.

3. The Company will require a complete copy of the trust agreement and any amendments thereto, certified by the trustee(s) to be a true and complete copy, with respect to the hereinafter named trust.

   Name of Trust: Kaku Family Trust dated 10-22-2012

4. In order to complete this report, the Company requires a Statement of Information to be completed by the following party(s),

   Party(s): All Parties

   The Company reserves the right to add additional items or make further requirements after review of the requested Statement of Information.

   NOTE: The Statement of Information is necessary to complete the search and examination of title under this order. Any title search includes matters that are indexed by name only, and having a completed Statement of Information assists the Company in the elimination of certain matters which appear to involve the parties but in fact affect another party with the same or similar name. Be assured that the Statement of Information is essential and will be kept strictly confidential to this file.

INFORMATIONAL NOTES SECTION

1. The information on the attached plat is provided for your convenience as a guide to the general location of the subject property. The accuracy of this plat is not guaranteed, nor is it a part of any policy, report or guarantee to which it may be attached.

2. For wiring Instructions please contact your Title Officer or Title Company Escrow officer.

3. Notice: Please be aware that due to the conflict between federal and state laws concerning the cultivation, distribution, manufacture or sale of marijuana, the Company is not able to close or insure any transaction involving Land that is associated with these activities.

4. Pursuant to Government Code Section 27388.1, as amended and effective as of 1-1-2018, a Documentary Transfer Tax (DTT) Affidavit may be required to be completed and submitted with each document when DTT is being paid or when an exemption is being claimed from paying the tax. If a governmental agency is a party to the document, the form will not be required. DTT Affidavits may be available at a Tax Assessor-County Clerk-Recorder.

5. Note: The policy of title insurance will include an arbitration provision. The Company or the insured may demand arbitration. Arbitrable matters may include, but are not limited to, any controversy or claim between the Company and the insured arising out of or relating to this policy, any service of the Company in connection with its issuance or the breach of a policy provision or other obligation. Please ask your escrow or title officer for a sample copy of the policy to be issued if you wish to review the arbitration provisions and any other provisions pertaining to your Title Insurance coverage.

6. Note: None of the items shown in this report will cause the Company to decline to attach ALTA Endorsement Form 9 to an Extended Coverage Loan Policy, when issued.

7. Note: The Company is not aware of any matters which would cause it to decline to attach CLTA Endorsement Form 116 indicating that there is located on said Land Commercial property, known as 301 East Huntington Drive, Arcadia, CA, to an Extended Coverage Loan Policy.

8. Note: There are NO conveyances affecting said Land recorded within 24 months of the date of this report.

Typist: q38
Date Typed: February 2, 2021

Wire Fraud Alert

This Notice is not intended to provide legal or professional advice. If you have any questions, please consult with a lawyer.

All parties to a real estate transaction are targets for wire fraud and many have lost hundreds of thousands of dollars because they simply relied on the wire instructions received via email, without further verification. **If funds are to be wired in conjunction with this real estate transaction, we strongly recommend verbal verification of wire instructions through a known, trusted phone number prior to sending funds.**

In addition, the following non-exclusive self-protection strategies are recommended to minimize exposure to possible wire fraud.

- **NEVER RELY** on emails purporting to change wire instructions. Parties to a transaction rarely change wire instructions in the course of a transaction.
- **ALWAYS VERIFY** wire instructions, specifically the ABA routing number and account number, by calling the party who sent the instructions to you. DO NOT use the phone number provided in the email containing the instructions, use phone numbers you have called before or can otherwise verify. **Obtain the phone number of relevant parties to the transaction as soon as an escrow account is opened**. DO NOT send an email to verify as the email address may be incorrect or the email may be intercepted by the fraudster.
- **USE COMPLEX EMAIL PASSWORDS** that employ a combination of mixed case, numbers, and symbols. Make your passwords greater than eight (8) characters. Also, change your password often and do NOT reuse the same password for other online accounts.
- **USE MULTI-FACTOR AUTHENTICATION** for email accounts. Your email provider or IT staff may have specific instructions on how to implement this feature.

For more information on wire-fraud scams or to report an incident, please refer to the following links:

Federal Bureau of Investigation:
http://www.fbi.gov

Internet Crime Complaint Center:
http://www.ic3.gov

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Commonwealth Land Title Company
888 S. Figueroa Street, Suite 2100
Los Angeles, CA 90017
Phone: (800) 432-0706

Notice of Available Discounts

Pursuant to Section 2355.3 in Title 10 of the California Code of Regulations Fidelity National Financial, Inc. and its subsidiaries ("FNF") must deliver a notice of each discount available under our current rate filing along with the delivery of escrow instructions, a preliminary report or commitment. Please be aware that the provision of this notice does not constitute a waiver of the consumer's right to be charged the filed rate. As such, your transaction may not qualify for the below discounts.

You are encouraged to discuss the applicability of one or more of the below discounts with a Company representative. These discounts are generally described below; consult the rate manual for a full description of the terms, conditions and requirements for such discount. These discounts only apply to transactions involving services rendered by the FNF Family of Companies. This notice only applies to transactions involving property improved with a one-to-four family residential dwelling.

Not all discounts are offered by every FNF Company. The discount will only be applicable to the FNF Company as indicated by the named discount.

FNF Underwritten Title Company	**Underwritten by FNF Underwriters**
CTC – Chicago Title company	CTIC – Chicago Title Insurance Company
CLTC – Commonwealth Land Title Company	CLTIC - Commonwealth Land Title Insurance Company
FNTC – Fidelity National Title Company of California	FNTIC – Fidelity National Title Insurance Company
FNTCCA - Fidelity National Title Company of California	FNTIC - Fidelity National Title Insurance Company
TICOR – Ticor Title Company of California	CTIC – Chicago Title Insurance Company
LTC – Lawyer's Title Company	CLTIC – Commonwealth Land Title Insurance Company
SLTC – ServiceLink Title Company	CTIC – Chicago Title Insurance Company

Available Discounts

DISASTER LOANS (CTIC, CLTIC, FNTIC)

The charge for a Lender's Policy (Standard or Extended coverage) covering the financing or refinancing by an owner of record, within twenty-four (24) months of the date of a declaration of a disaster area by the government of the United States or the State of California on any land located in said area, which was partially or totally destroyed in the disaster, will be fifty percent (50%) of the appropriate title insurance rate.

CHURCHES OR CHARITABLE NON-PROFIT ORGANIZATIONS (CTIC, FNTIC)

On properties used as a church or for charitable purposes within the scope of the normal activities of such entities, provided said charge is normally the church's obligation the charge for an owner's policy shall be fifty percent (50%) to seventy percent (70%) of the appropriate title insurance rate, depending on the type of coverage selected. The charge for a lender's policy shall be forty (40%) to fifty percent (50%) of the appropriate title insurance rate, depending on the type of coverage selected.

FIDELITY NATIONAL FINANCIAL, INC.
PRIVACY NOTICE

Effective April 9, 2020

Fidelity National Financial, Inc. and its majority-owned subsidiary companies (collectively, "FNF," "our," or "we") respect and are committed to protecting your privacy. This Privacy Notice explains how we collect, use, and protect personal information, when and to whom we disclose such information, and the choices you have about the use and disclosure of that information.

A limited number of FNF subsidiaries have their own privacy notices. If a subsidiary has its own privacy notice, the privacy notice will be available on the subsidiary's website and this Privacy Notice does not apply.

Collection of Personal Information

FNF may collect the following categories of Personal Information:

- contact information (*e.g.*, name, address, phone number, email address);
- demographic information (*e.g.*, date of birth, gender, marital status);
- identity information (*e.g.* Social Security Number, driver's license, passport, or other government ID number);
- financial account information (*e.g.* loan or bank account information); and
- other personal information necessary to provide products or services to you.

We may collect Personal Information about you from:

- information we receive from you or your agent;
- information about your transactions with FNF, our affiliates, or others; and
- information we receive from consumer reporting agencies and/or governmental entities, either directly from these entities or through others.

Collection of Browsing Information

FNF automatically collects the following types of Browsing Information when you access an FNF website, online service, or application (each an "FNF Website") from your Internet browser, computer, and/or device:

- Internet Protocol (IP) address and operating system;
- browser version, language, and type;
- domain name system requests; and
- browsing history on the FNF Website, such as date and time of your visit to the FNF Website and visits to the pages within the FNF Website.

Like most websites, our servers automatically log each visitor to the FNF Website and may collect the Browsing Information described above. We use Browsing Information for system administration, troubleshooting, fraud investigation, and to improve our websites. Browsing Information generally does not reveal anything personal about you, though if you have created a user account for an FNF Website and are logged into that account, the FNF Website may be able to link certain browsing activity to your user account.

Other Online Specifics

Cookies. When you visit an FNF Website, a "cookie" may be sent to your computer. A cookie is a small piece of data that is sent to your Internet browser from a web server and stored on your computer's hard drive. Information gathered using cookies helps us improve your user experience. For example, a cookie can help the website load properly or can customize the display page based on your browser type and user preferences. You can choose whether or not to accept cookies by changing your Internet browser settings. Be aware that doing so may impair or limit some functionality of the FNF Website.

Web Beacons. We use web beacons to determine when and how many times a page has been viewed. This information is used to improve our websites.

Do Not Track. Currently our FNF Websites do not respond to "Do Not Track" features enabled through your browser.

Links to Other Sites. FNF Websites may contain links to unaffiliated third-party websites. FNF is not responsible for the privacy practices or content of those websites. We recommend that you read the privacy policy of every website you visit.

Use of Personal Information

FNF uses Personal Information for three main purposes:

- To provide products and services to you or in connection with a transaction involving you.
- To improve our products and services.
- To communicate with you about our, our affiliates', and others' products and services, jointly or independently.

When Information Is Disclosed

We may disclose your Personal Information and Browsing Information in the following circumstances:

- to enable us to detect or prevent criminal activity, fraud, material misrepresentation, or nondisclosure;
- to nonaffiliated service providers who provide or perform services or functions on our behalf and who agree to use the information only to provide such services or functions;

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- to nonaffiliated third party service providers with whom we perform joint marketing, pursuant to an agreement with them to jointly market financial products or services to you;
- to law enforcement or authorities in connection with an investigation, or in response to a subpoena or court order; or
- in the good-faith belief that such disclosure is necessary to comply with legal process or applicable laws, or to protect the rights, property, or safety of FNF, its customers, or the public.

The law does not require your prior authorization and does not allow you to restrict the disclosures described above. Additionally, we may disclose your information to third parties for whom you have given us authorization or consent to make such disclosure. We do not otherwise share your Personal Information or Browsing Information with nonaffiliated third parties, except as required or permitted by law. We may share your Personal Information with affiliates (other companies owned by FNF) to directly market to you. Please see "Choices with Your Information" to learn how to restrict that sharing.

We reserve the right to transfer your Personal Information, Browsing Information, and any other information, in connection with the sale or other disposition of all or part of the FNF business and/or assets, or in the event of bankruptcy, reorganization, insolvency, receivership, or an assignment for the benefit of creditors. By submitting Personal Information and/or Browsing Information to FNF, you expressly agree and consent to the use and/or transfer of the foregoing information in connection with any of the above described proceedings.

Security of Your Information
We maintain physical, electronic, and procedural safeguards to protect your Personal Information.

Choices With Your Information
If you do not want FNF to share your information among our affiliates to directly market to you, you may send an "opt out" request by email, phone, or physical mail as directed at the end of this Privacy Notice. We do not share your Personal Information with nonaffiliates for their use to direct market to you without your consent.

Whether you submit Personal Information or Browsing Information to FNF is entirely up to you. If you decide not to submit Personal Information or Browsing Information, FNF may not be able to provide certain services or products to you.

For California Residents: We will not share your Personal Information or Browsing Information with nonaffiliated third parties, except as permitted by California law. For additional information about your California privacy rights, please visit the "California Privacy" link on our website (https://fnf.com/pages/californiaprivacy.aspx) or call (888) 413-1748.

For Nevada Residents: You may be placed on our internal Do Not Call List by calling (888) 934-3354 or by contacting us via the information set forth at the end of this Privacy Notice. Nevada law requires that we also provide you with the following contact information: Bureau of Consumer Protection, Office of the Nevada Attorney General, 555 E. Washington St., Suite 3900, Las Vegas, NV 89101; Phone number: (702) 486-3132; email: BCPINFO@ag.state.nv.us.
For Oregon Residents: We will not share your Personal Information or Browsing Information with nonaffiliated third parties for marketing purposes, except after you have been informed by us of such sharing and had an opportunity to indicate that you do not want a disclosure made for marketing purposes.

For Vermont Residents: We will not disclose information about your creditworthiness to our affiliates and will not disclose your personal information, financial information, credit report, or health information to nonaffiliated third parties to market to you, other than as permitted by Vermont law, unless you authorize us to make those disclosures.

Information From Children
The FNF Websites are not intended or designed to attract persons under the age of eighteen (18).We do not collect Personal Information from any person that we know to be under the age of thirteen (13) without permission from a parent or guardian.

International Users
FNF's headquarters is located within the United States. If you reside outside the United States and choose to provide Personal Information or Browsing Information to us, please note that we may transfer that information outside of your country of residence. By providing FNF with your Personal Information and/or Browsing Information, you consent to our collection, transfer, and use of such information in accordance with this Privacy Notice.

FNF Website Services for Mortgage Loans
Certain FNF companies provide services to mortgage loan servicers, including hosting websites that collect customer information on behalf of mortgage loan servicers (the "Service Websites"). The Service Websites may contain links to both this Privacy Notice and the mortgage loan servicer or lender's privacy notice. The sections of this Privacy Notice titled When Information is Disclosed, Choices with Your Information, and Accessing and Correcting Information do not apply to the Service Websites. The mortgage loan servicer or lender's privacy notice governs use, disclosure, and access to your Personal Information. FNF does not share Personal Information collected through the Service Websites, except as required or authorized by contract with the mortgage loan servicer or lender, or as required by law or in the good-faith belief that such disclosure is necessary: to comply with a legal process or applicable law, to enforce this Privacy Notice, or to protect the rights, property, or safety of FNF or the public.

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Your Consent To This Privacy Notice; Notice Changes; Use of Comments or Feedback

By submitting Personal Information and/or Browsing Information to FNF, you consent to the collection and use of the information in accordance with this Privacy Notice. We may change this Privacy Notice at any time. The Privacy Notice's effective date will show the last date changes were made. If you provide information to us following any change of the Privacy Notice, that signifies your assent to and acceptance of the changes to the Privacy Notice. We may use comments or feedback that you submit to us in any manner without notice or compensation to you.

Accessing and Correcting Information; Contact Us

If you have questions, would like to correct your Personal Information, or want to opt-out of information sharing for affiliate marketing, send your requests to privacy@fnf.com, by phone to (888) 934-3354, or by mail to:

Fidelity National Financial, Inc.
601 Riverside Avenue
Jacksonville, Florida 32204
Attn: Chief Privacy Officer

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ATTACHMENT ONE (Revised 05-06-16)

CALIFORNIA LAND TITLE ASSOCIATION
STANDARD COVERAGE POLICY – 1990

EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy and the Company will not pay loss or damage, costs, attorneys' fees or expenses which arise by reason of:

1. (a) Any law, ordinance or governmental regulation (including but not limited to building or zoning laws, ordinances, or regulations) restricting, regulating, prohibiting or relating (i) the occupancy, use, or enjoyment of the land; (ii) the character, dimensions or location of any improvement now or hereafter erected on the land; (iii) a separation in ownership or a change in the dimensions or area of the land or any parcel of which the land is or was a part; or (iv) environmental protection, or the effect of any violation of these laws, ordinances or governmental regulations, except to the extent that a notice of the enforcement thereof or a notice of a defect, lien, or encumbrance resulting from a violation or alleged violation affecting the land has been recorded in the public records at Date of Policy.
   (b) Any governmental police power not excluded by (a) above, except to the extent that a notice of the exercise thereof or notice of a defect, lien or encumbrance resulting from a violation or alleged violation affecting the land has been recorded in the public records at Date of Policy.
2. Rights of eminent domain unless notice of the exercise thereof has been recorded in the public records at Date of Policy, but not excluding from coverage any taking which has occurred prior to Date of Policy which would be binding on the rights of a purchaser for value without knowledge.
3. Defects, liens, encumbrances, adverse claims or other matters:
   (a) whether or not recorded in the public records at Date of Policy, but created, suffered, assumed or agreed to by the insured claimant;
   (b) not known to the Company, not recorded in the public records at Date of Policy, but known to the insured claimant and not disclosed in writing to the Company by the insured claimant prior to the date the insured claimant became an insured under this policy;
   (c) resulting in no loss or damage to the insured claimant;
   (d) attaching or created subsequent to Date of Policy; or
   (e) resulting in loss or damage which would not have been sustained if the insured claimant had paid value for the insured mortgage or for the estate or interest insured by this policy.
4. Unenforceability of the lien of the insured mortgage because of the inability or failure of the insured at Date of Policy, or the inability or failure of any subsequent owner of the indebtedness, to comply with the applicable doing business laws of the state in which the land is situated.
5. Invalidity or unenforceability of the lien of the insured mortgage, or claim thereof, which arises out of the transaction evidenced by the insured mortgage and is based upon usury or any consumer credit protection or truth in lending law.
6. Any claim, which arises out of the transaction vesting in the insured the estate of interest insured by this policy or the transaction creating the interest of the insured lender, by reason of the operation of federal bankruptcy, state insolvency or similar creditors' rights laws.

EXCEPTIONS FROM COVERAGE - SCHEDULE B, PART I

This policy does not insure against loss or damage (and the Company will not pay costs, attorneys' fees or expenses) which arise by reason of:

1. Taxes or assessments which are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the public records.
   Proceedings by a public agency which may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the public records.
2. Any facts, rights, interests, or claims which are not shown by the public records but which could be ascertained by an inspection of the land or which may be asserted by persons in possession thereof.
3. Easements, liens or encumbrances, or claims thereof, not shown by the public records.
4. Discrepancies, conflicts in boundary lines, shortage in area, encroachments, or any other facts which a correct survey would disclose, and which are not shown by the public records.
5. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water, whether or not the matters excepted under (a), (b) or (c) are shown by the public records.
6. Any lien or right to a lien for services, labor or material not shown by the public records.

CLTA HOMEOWNER'S POLICY OF TITLE INSURANCE (12-02-13)
ALTA HOMEOWNER'S POLICY OF TITLE INSURANCE

EXCLUSIONS

In addition to the Exceptions in Schedule B, You are not insured against loss, costs, attorneys' fees, and expenses resulting from:

1. Governmental police power, and the existence or violation of those portions of any law or government regulation concerning:
   a. building;
   b. zoning;
   c. land use;
   d. improvements on the Land;
   e. land division; and
   f. environmental protection.
   This Exclusion does not limit the coverage described in Covered Risk 8.a., 14, 15, 16, 18, 19, 20, 23 or 27.
2. The failure of Your existing structures, or any part of them, to be constructed in accordance with applicable building codes. This Exclusion does not limit the coverage described in Covered Risk 14 or 15.
3. The right to take the Land by condemning it. This Exclusion does not limit the coverage described in Covered Risk 17.
4. Risks:
   a. that are created, allowed, or agreed to by You, whether or not they are recorded in the Public Records;
   b. that are Known to You at the Policy Date, but not to Us, unless they are recorded in the Public Records at the Policy Date;

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c. that result in no loss to You; or
d. that first occur after the Policy Date - this does not limit the coverage described in Covered Risk 7, 8.e., 25, 26, 27 or 28.

5. Failure to pay value for Your Title.
6. Lack of a right:
   a. to any land outside the area specifically described and referred to in paragraph 3 of Schedule A; and
   b. in streets, alleys, or waterways that touch the Land.

   This Exclusion does not limit the coverage described in Covered Risk 11 or 21.
7. The transfer of the Title to You is invalid as a preferential transfer or as a fraudulent transfer or conveyance under federal bankruptcy, state insolvency, or similar creditors' rights laws.
8. Contamination, explosion, fire, flooding, vibration, fracturing, earthquake, or subsidence.
9. Negligence by a person or an Entity exercising a right to extract or develop minerals, water, or any other substances.

LIMITATIONS ON COVERED RISKS

Your insurance for the following Covered Risks is limited on the Owner's Coverage Statement as follows:

- For Covered Risk 16, 18, 19, and 21 Your Deductible Amount and Our Maximum Dollar Limit of Liability shown in Schedule A.

The deductible amounts and maximum dollar limits shown on Schedule A are as follows:

	Your Deductible Amount	Our Maximum Dollar Limit of Liability
Covered Risk 16:	1.00% of Policy Amount Shown in Schedule A or $2,500.00 (whichever is less)	$ 10,000.00
Covered Risk 18:	1.00% of Policy Amount Shown in Schedule A or $5,000.00 (whichever is less)	$ 25,000.00
Covered Risk 19:	1.00% of Policy Amount Shown in Schedule A or $5,000.00 (whichever is less)	$ 25,000.00
Covered Risk 21:	1.00% of Policy Amount Shown in Schedule A or $2,500.00 (whichever is less)	$ 5,000.00

2006 ALTA LOAN POLICY (06-17-06)

EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy, and the Company will not pay loss or damage, costs, attorneys' fees, or expenses that arise by reason of:

1. (a) Any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) restricting, regulating, prohibiting, or relating to
   (i) the occupancy, use, or enjoyment of the Land;
   (ii) the character, dimensions, or location of any improvement erected on the Land;
   (iii) the subdivision of land; or
   (iv) environmental protection;
   or the effect of any violation of these laws, ordinances, or governmental regulations. This Exclusion 1(a) does not modify or limit the coverage provided under Covered Risk 5.
   (b) Any governmental police power. This Exclusion 1(b) does not modify or limit the coverage provided under Covered Risk 6.
2. Rights of eminent domain. This Exclusion does not modify or limit the coverage provided under Covered Risk 7 or 8.
3. Defects, liens, encumbrances, adverse claims, or other matters
   (a) created, suffered, assumed, or agreed to by the Insured Claimant;
   (b) not Known to the Company, not recorded in the Public Records at Date of Policy, but Known to the Insured Claimant and not disclosed in writing to the Company by the Insured Claimant prior to the date the Insured Claimant became an Insured under this policy;
   (c) resulting in no loss or damage to the Insured Claimant;
   (d) attaching or created subsequent to Date of Policy (however, this does not modify or limit the coverage provided under Covered Risk 11, 13 or 14); or
   (e) resulting in loss or damage that would not have been sustained if the Insured Claimant had paid value for the Insured Mortgage.
4. Unenforceability of the lien of the Insured Mortgage because of the inability or failure of an Insured to comply with applicable doing-business laws of the state where the Land is situated.
5. Invalidity or unenforceability in whole or in part of the lien of the Insured Mortgage that arises out of the transaction evidenced by the Insured Mortgage and is based upon usury or any consumer credit protection or truth-in-lending law.
6. Any claim, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights laws, that the transaction creating the lien of the Insured Mortgage, is
   (a) a fraudulent conveyance or fraudulent transfer, or
   (b) a preferential transfer for any reason not stated in Covered Risk 13(b) of this policy.
7. Any lien on the Title for real estate taxes or assessments imposed by governmental authority and created or attaching between Date of Policy and the date of recording of the Insured Mortgage in the Public Records. This Exclusion does not modify or limit the coverage provided under Covered Risk 11(b).

The above policy form may be issued to afford either Standard Coverage or Extended Coverage. In addition to the above Exclusions from Coverage, the Exceptions from Coverage in a Standard Coverage policy will also include the following Exceptions from Coverage:

EXCEPTIONS FROM COVERAGE

{Except as provided in Schedule B - Part II,{ t{or T}his policy does not insure against loss or damage, and the Company will not pay costs, attorneys' fees or expenses, that arise by reason of:

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{PART I

{The above policy form may be issued to afford either Standard Coverage or Extended Coverage. In addition to the above Exclusions from Coverage, the Exceptions from Coverage in a Standard Coverage policy will also include the following Exceptions from Coverage:

1. (a) Taxes or assessments that are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the Public Records; (b) proceedings by a public agency that may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the Public Records.
2. Any facts, rights, interests, or claims that are not shown by the Public Records but that could be ascertained by an inspection of the Land or that may be asserted by persons in possession of the Land.
3. Easements, liens or encumbrances, or claims thereof, not shown by the Public Records.
4. Any encroachment, encumbrance, violation, variation, or adverse circumstance affecting the Title that would be disclosed by an accurate and complete land survey of the Land and not shown by the Public Records.
5. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water, whether or not the matters excepted under (a), (b), or (c) are shown by the Public Records.
6. Any lien or right to a lien for services, labor or material not shown by the Public Records.}

PART II

In addition to the matters set forth in Part I of this Schedule, the Title is subject to the following matters, and the Company insures against loss or damage sustained in the event that they are not subordinate to the lien of the Insured Mortgage:}

2006 ALTA OWNER'S POLICY (06-17-06)

EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy, and the Company will not pay loss or damage, costs, attorneys' fees, or expenses that arise by reason of:

1. (a) Any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) restricting, regulating, prohibiting, or relating to
   (i) the occupancy, use, or enjoyment of the Land;
   (ii) the character, dimensions, or location of any improvement erected on the Land;
   (iii) the subdivision of land; or
   (iv) environmental protection;
   or the effect of any violation of these laws, ordinances, or governmental regulations. This Exclusion 1(a) does not modify or limit the coverage provided under Covered Risk 5.
   (b) Any governmental police power. This Exclusion 1(b) does not modify or limit the coverage provided under Covered Risk 6.
2. Rights of eminent domain. This Exclusion does not modify or limit the coverage provided under Covered Risk 7 or 8.
3. Defects, liens, encumbrances, adverse claims, or other matters
   (a) created, suffered, assumed, or agreed to by the Insured Claimant;
   (b) not Known to the Company, not recorded in the Public Records at Date of Policy, but Known to the Insured Claimant and not disclosed in writing to the Company by the Insured Claimant prior to the date the Insured Claimant became an Insured under this policy;
   (c) resulting in no loss or damage to the Insured Claimant;
   (d) attaching or created subsequent to Date of Policy (however, this does not modify or limit the coverage provided under Covered Risk 9 and 10); or
   (e) resulting in loss or damage that would not have been sustained if the Insured Claimant had paid value for the Title.
4. Any claim, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights laws, that the transaction vesting the Title as shown in Schedule A, is
   (a) a fraudulent conveyance or fraudulent transfer; or
   (b) a preferential transfer for any reason not stated in Covered Risk 9 of this policy.
5. Any lien on the Title for real estate taxes or assessments imposed by governmental authority and created or attaching between Date of Policy and the date of recording of the deed or other instrument of transfer in the Public Records that vests Title as shown in Schedule A.

The above policy form may be issued to afford either Standard Coverage or Extended Coverage. In addition to the above Exclusions from Coverage, the Exceptions from Coverage in a Standard Coverage policy will also include the following Exceptions from Coverage:

EXCEPTIONS FROM COVERAGE

This policy does not insure against loss or damage, and the Company will not pay costs, attorneys' fees or expenses, that arise by reason of:

{The above policy form may be issued to afford either Standard Coverage or Extended Coverage. In addition to the above Exclusions from Coverage, the Exceptions from Coverage in a Standard Coverage policy will also include the following Exceptions from Coverage:

1. (a) Taxes or assessments that are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the Public Records; (b) proceedings by a public agency that may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the Public Records.
2. Any facts, rights, interests, or claims that are not shown in the Public Records but that could be ascertained by an inspection of the Land or that may be asserted by persons in possession of the Land.
3. Easements, liens or encumbrances, or claims thereof, not shown by the Public Records.
4. Any encroachment, encumbrance, violation, variation, or adverse circumstance affecting the Title that would be disclosed by an accurate and complete land survey of the Land and that are not shown by the Public Records.
5. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water, whether or not the matters excepted under (a), (b), or (c) are shown by the Public Records.
6. Any lien or right to a lien for services, labor or material not shown by the Public Records. }
7. {Variable exceptions such as taxes, easements, CC&R's, etc. shown here.}

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ALTA EXPANDED COVERAGE RESIDENTIAL LOAN POLICY – ASSESSMENTS PRIORITY (04-02-15)

EXCLUSIONS FROM COVERAGE

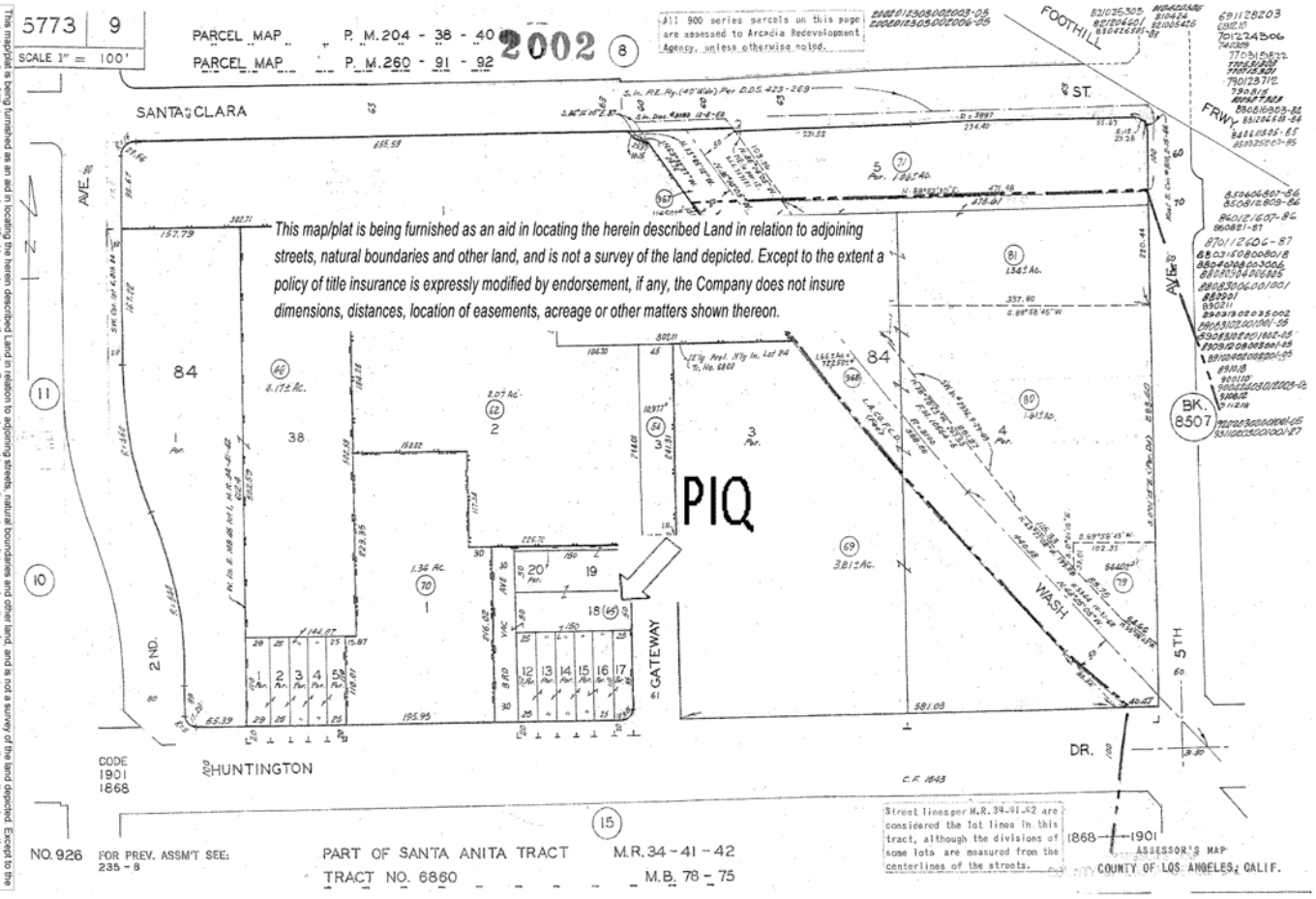
The following matters are expressly excluded from the coverage of this policy and the Company will not pay loss or damage, costs, attorneys' fees or expenses which arise by reason of:

1. (a) Any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) restricting, regulating, prohibiting, or relating to
   (i) the occupancy, use, or enjoyment of the Land;
   (ii) the character, dimensions, or location of any improvement erected on the Land;
   (iii) the subdivision of land; or
   (iv) environmental protection;
   or the effect of any violation of these laws, ordinances, or governmental regulations. This Exclusion 1(a) does not modify or limit the coverage provided under Covered Risk 5, 6, 13(c), 13(d), 14 or 16.
   (b) Any governmental police power. This Exclusion 1(b) does not modify or limit the coverage provided under Covered Risk 5, 6, 13(c), 13(d), 14 or 16.
2. Rights of eminent domain. This Exclusion does not modify or limit the coverage provided under Covered Risk 7 or 8.
3. Defects, liens, encumbrances, adverse claims, or other matters
   (a) created, suffered, assumed, or agreed to by the Insured Claimant;
   (b) not Known to the Company, not recorded in the Public Records at Date of Policy, but Known to the Insured Claimant and not disclosed in writing to the Company by the Insured Claimant prior to the date the Insured Claimant became an Insured under this policy;
   (c) resulting in no loss or damage to the Insured Claimant;
   (d) attaching or created subsequent to Date of Policy (however, this does not modify or limit the coverage provided under Covered Risk 11, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27 or 28); or
   (e) resulting in loss or damage that would not have been sustained if the Insured Claimant had paid value for the Insured Mortgage.
4. Unenforceability of the lien of the Insured Mortgage because of the inability or failure of an Insured to comply with applicable doing-business laws of the state where the Land is situated.
5. Invalidity or unenforceability in whole or in part of the lien of the Insured Mortgage that arises out of the transaction evidenced by the Insured Mortgage and is based upon usury, or any consumer credit protection or truth-in-lending law. This Exclusion does not modify or limit the coverage provided in Covered Risk 26.
6. Any claim of invalidity, unenforceability or lack of priority of the lien of the Insured Mortgage as to Advances or modifications made after the Insured has Knowledge that the vestee shown in Schedule A is no longer the owner of the estate or interest covered by this policy. This Exclusion does not modify or limit the coverage provided in Covered Risk 11.
7. Any lien on the Title for real estate taxes or assessments imposed by governmental authority and created or attaching subsequent to Date of Policy. This Exclusion does not modify or limit the coverage provided in Covered Risk 11(b) or 25.
8. The failure of the residential structure, or any portion of it, to have been constructed before, on or after Date of Policy in accordance with applicable building codes. This Exclusion does not modify or limit the coverage provided in Covered Risk 5 or 6.
9. Any claim, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights laws, that the transaction creating the lien of the Insured Mortgage, is
   (a) a fraudulent conveyance or fraudulent transfer, or
   (b) a preferential transfer for any reason not stated in Covered Risk 27(b) of this policy.
10. Contamination, explosion, fire, flooding, vibration, fracturing, earthquake, or subsidence.
11. Negligence by a person or an Entity exercising a right to extract or develop minerals, water, or any other substances.

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Order: 9174362
Doc: CALOSA:MASS 5773-00009

This map/plat is being furnished as an aid in locating the herein described Land in relation to adjoining streets, natural boundaries and other land, and is not a survey of the land depicted. Except to the extent a policy of title insurance is expressly modified by endorsement, if any, the Company does not insure dimensions, distances, location of easements, acreage or other matters shown thereon.



Requested By: dcossaboocr. Printed: 1/29/2021 4:04 PM

OWNER'S DECLARATION

The undersigned hereby declares as follows:

1. (Fill in the applicable paragraph and strike the other)

   a. Declarant ("Owner") is the owner or lessee, as the case may be, of certain premises located at _____, further described as follows: See Preliminary Report/Commitment No. 09174362-917-BLB-EGL for full legal description (the "Land").

   b. Declarant is the _____ of _____ ("Owner"), which is the owner or lessee, as the case may be, of certain premises located at _____, further described as follows: See Preliminary Report/Commitment No. 09174362-917-BLB-EGL for full legal description (the "Land").

2. (Fill in the applicable paragraph and strike the other)

   a. During the period of six months immediately preceding the date of this declaration no work has been done, no surveys or architectural or engineering plans have been prepared, and no materials have been furnished in connection with the erection, equipment, repair, protection or removal of any building or other structure on the Land or in connection with the improvement of the Land in any manner whatsoever.

   b. During the period of six months immediately preceding the date of this declaration certain work has been done and materials furnished in connection with _____ upon the Land in the approximate total sum of $_____, but no work whatever remains to be done and no materials remain to be furnished to complete the construction in full compliance with the plans and specifications, nor are there any unpaid bills incurred for labor and materials used in making such improvements or repairs upon the Land, or for the services of architects, surveyors or engineers, except as follows: _____. Owner, by the undersigned Declarant, agrees to and does hereby indemnify and hold harmless Commonwealth Land Title Company against any and all claims arising therefrom.

3. Owner has not previously conveyed the Land; is not a debtor in bankruptcy (and if a partnership, the general partner thereof is not a debtor in bankruptcy); and has not received notice of any pending court action affecting the title to the Land.

4. Except as shown in the above-referenced Preliminary Report/Commitment, there are no unpaid or unsatisfied mortgages, deeds of trust, Uniform Commercial Code financing statements, regular assessments, or taxes that constitute a lien against the Land or that affect the Land but have not been recorded in the public records.

5. The Land is currently in use as _____ ; _____occupy/occupies the Land; and the following are all of the leases or other occupancy rights affecting the Land:

   _____

6. There are no other persons or entities that assert an ownership interest in the Land, nor are there unrecorded easements, claims of easement, or boundary disputes that affect the Land.

7. There are no outstanding options to purchase or rights of first refusal affecting the Land.

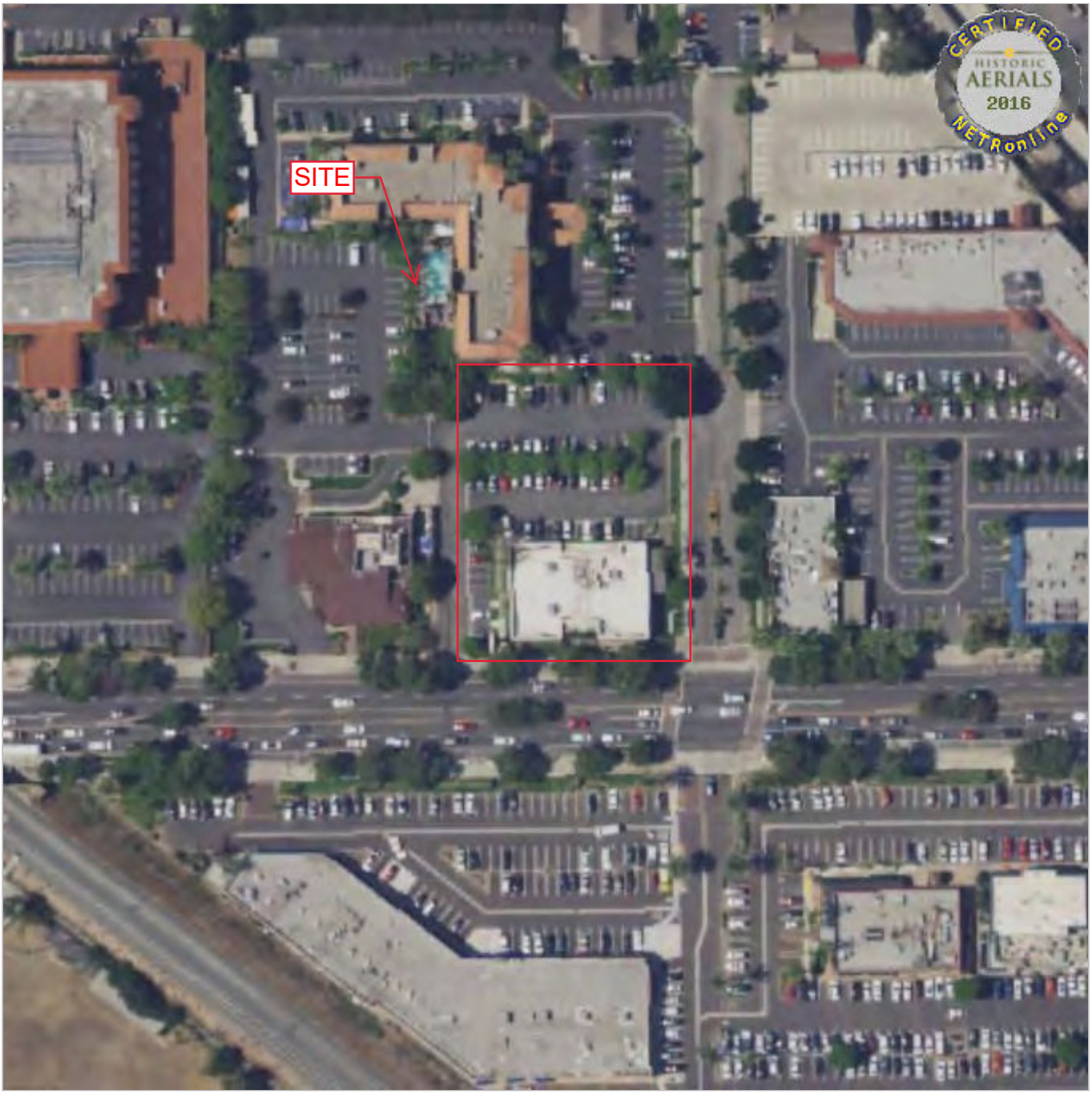
8. There are no material violations of any current, enforceable covenant affecting the Property and the Undersigned has received no written notice from any third party claiming that there is a present violation of any current, enforceable covenant affecting the Property.

This declaration is made with the intention that Commonwealth Land Title Company and Commonwealth Land Title Insurance Company (the "Company") and its policy issuing agents will rely upon it in issuing their title insurance policies and endorsements. Owner, by the undersigned Declarant, agrees to indemnify the Company against loss or damage (including attorneys fees, expenses, and costs) incurred by the Company as a result of any untrue statement made herein.

I declare under penalty of perjury that the foregoing is true and correct and that this declaration was executed on ___ at _____.

Signature: _____ Signature: _____

APPENDIX 8.12 - Aerial Photographs



30m
100f

N
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2016 aerial photograph
USDA (2016-04-15 - 2016-08-17)



prepared March 14, 2021 -- Historic Aerial imagery © 2021 , NETRonline, LLC.



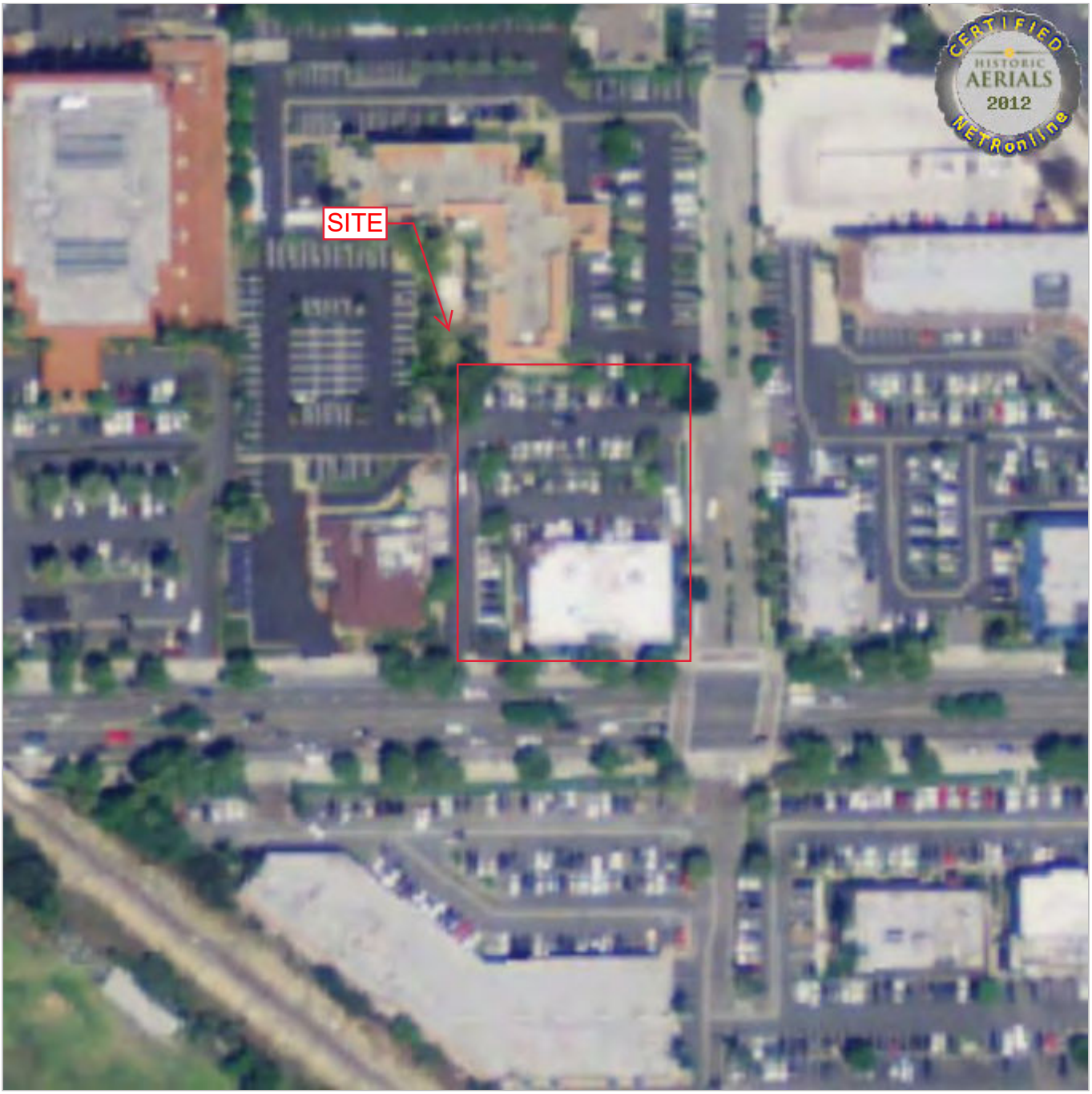
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2014 aerial photograph
USDA (2014-05-13 - 2014-10-05)

prepared March 14, 2021 -- Historic Aerial imagery © 2021 , NETRonline, LLC.



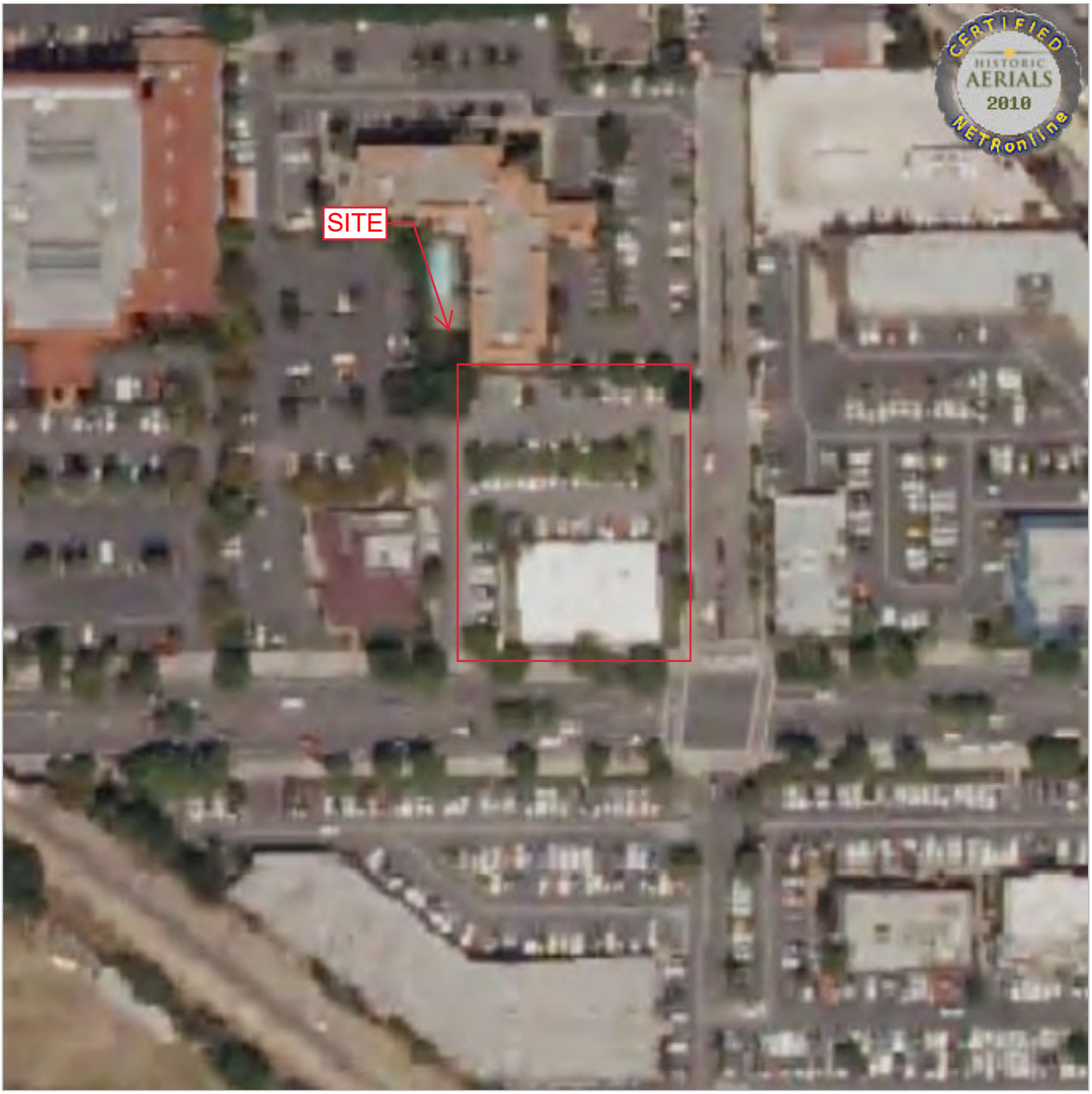
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2012 aerial photograph
USDA (2012-04-23 - 2012-07-20)

prepared March 14, 2021 -- Historic Aerial imagery © 2021 , NETRonline, LLC.



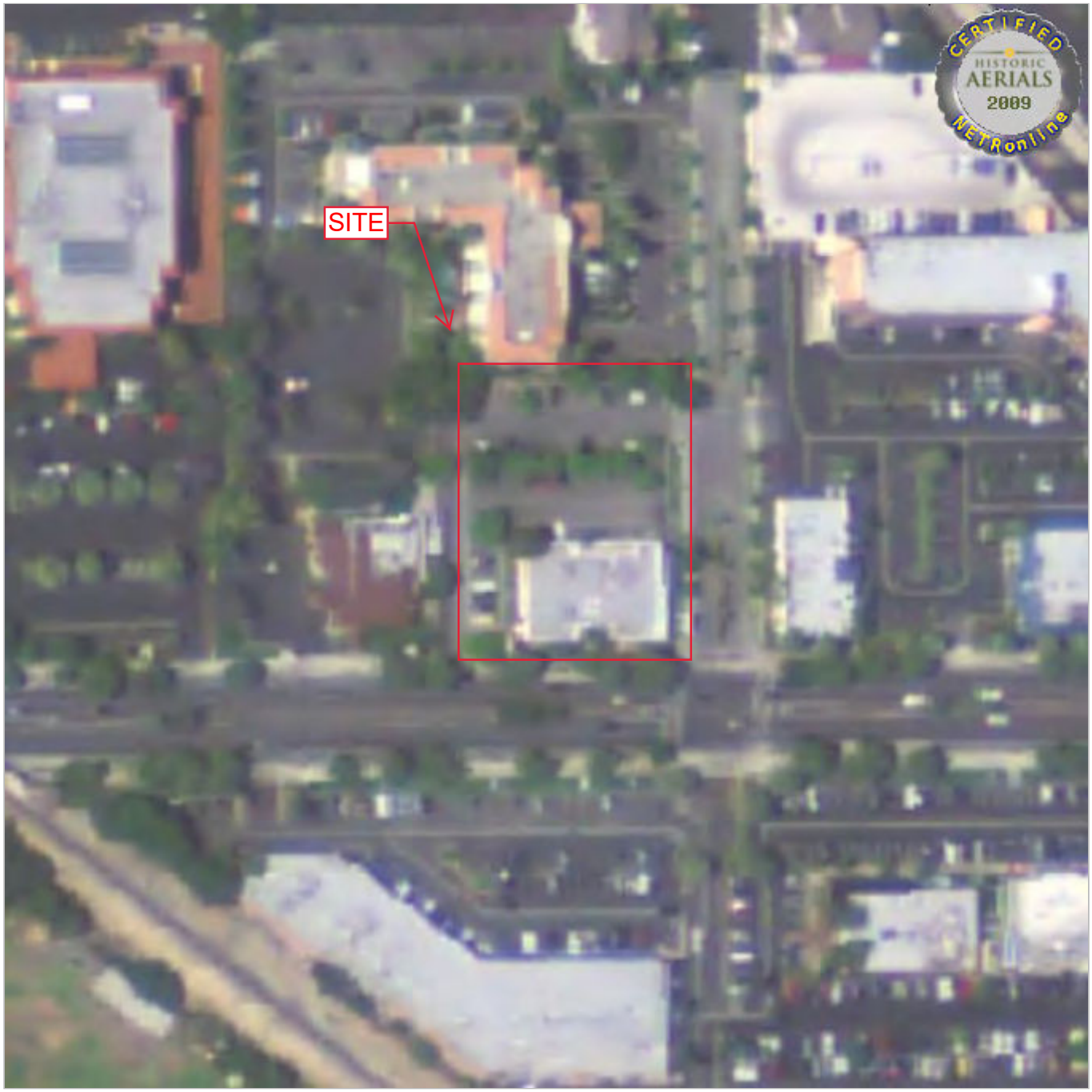
30m
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2010 aerial photograph
USDA (2010-04-24 - 2010-10-10)



prepared March 14, 2021 -- Historic Aerial imagery © 2021 , NETRonline, LLC.



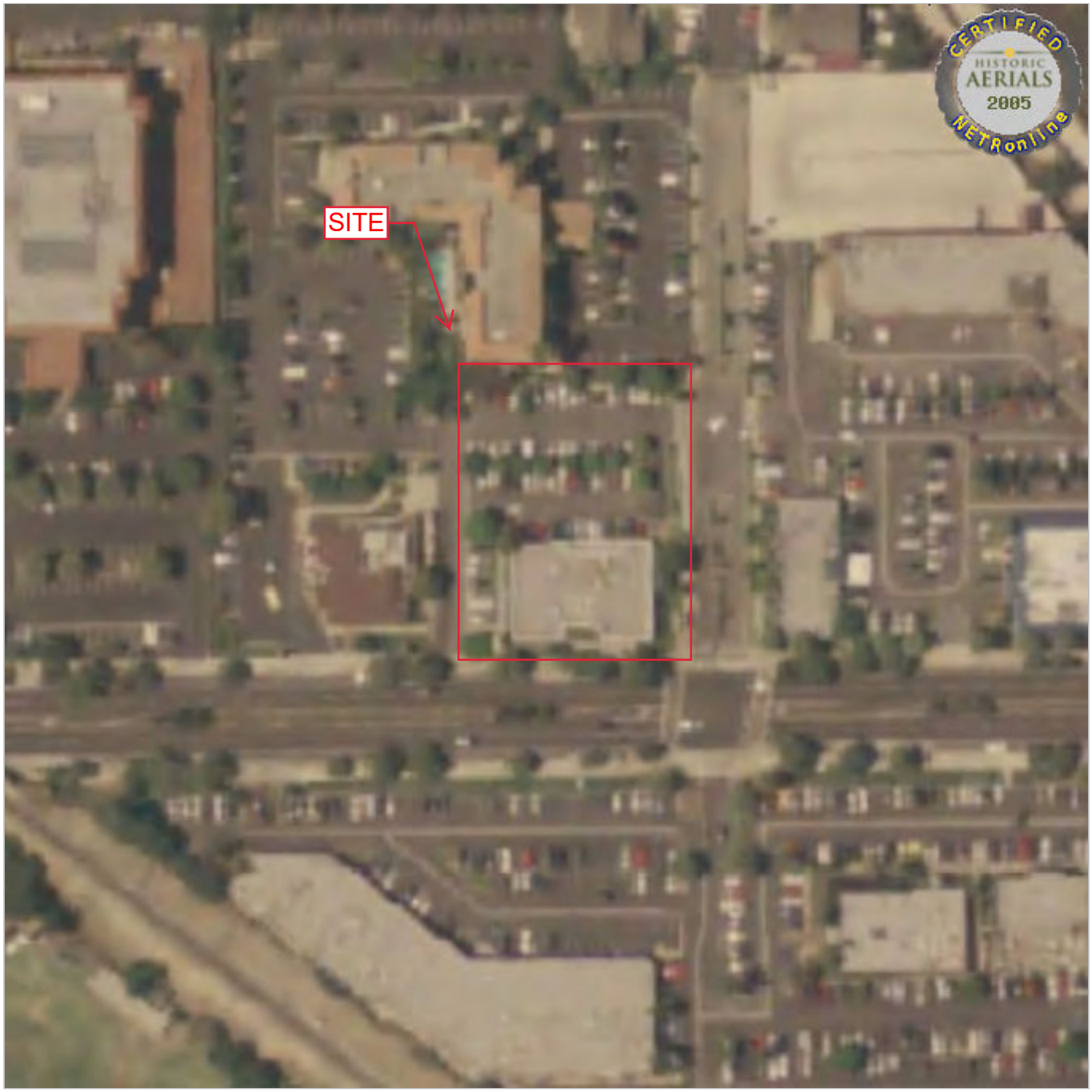
30m
100f

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2009 aerial photograph
USDA (2009-05-28 - 2009-07-18)

prepared March 14, 2021 -- Historic Aerial imagery © 2021 , NETRonline, LLC.



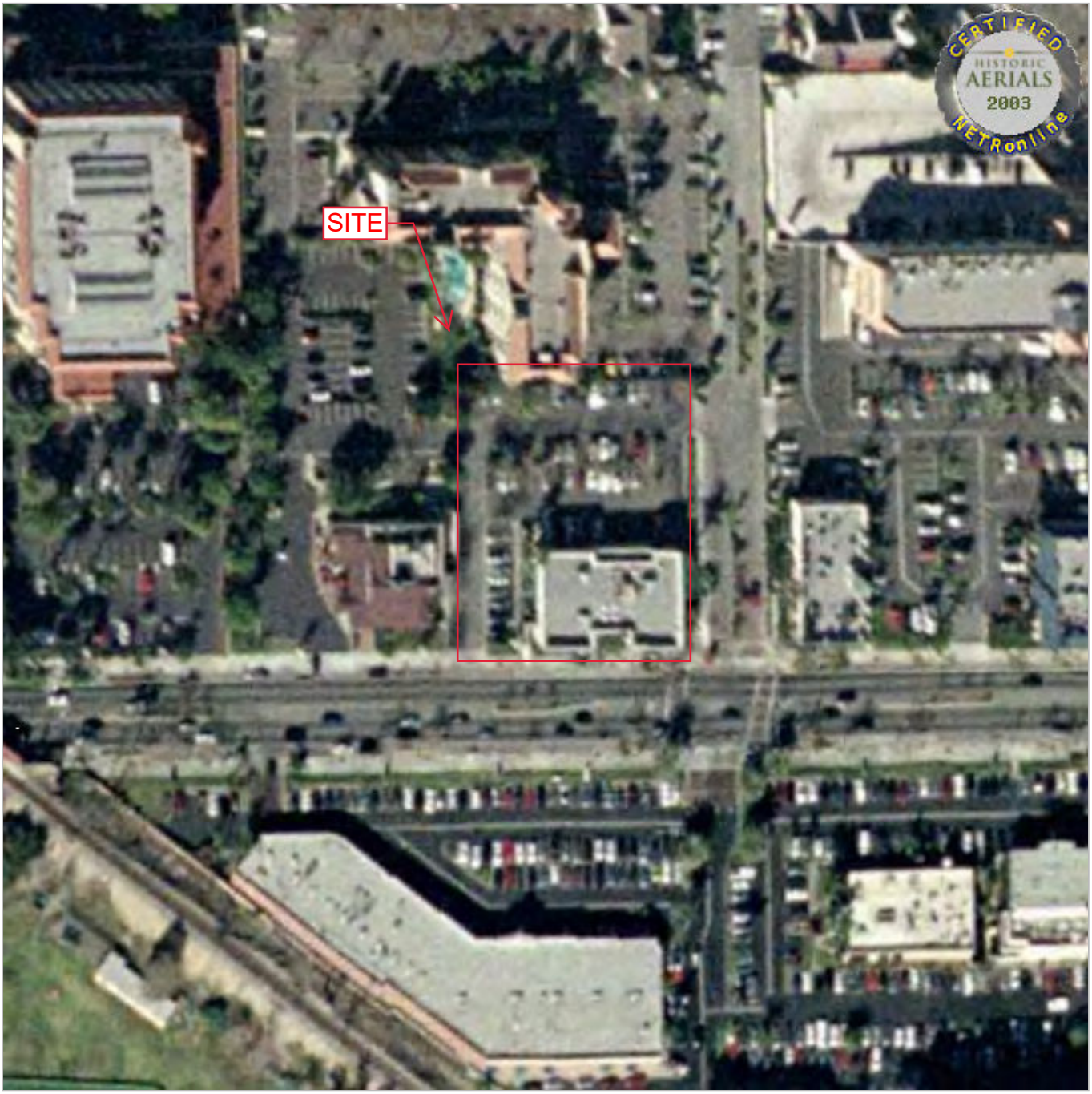
30m
100f

N
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2005 aerial photograph
US Departmen of Agriculture (2005-05-29 - 2005-09-29)



prepared March 14, 2021 -- Historic Aerial imagery © 2021 , NETRonline, LLC.



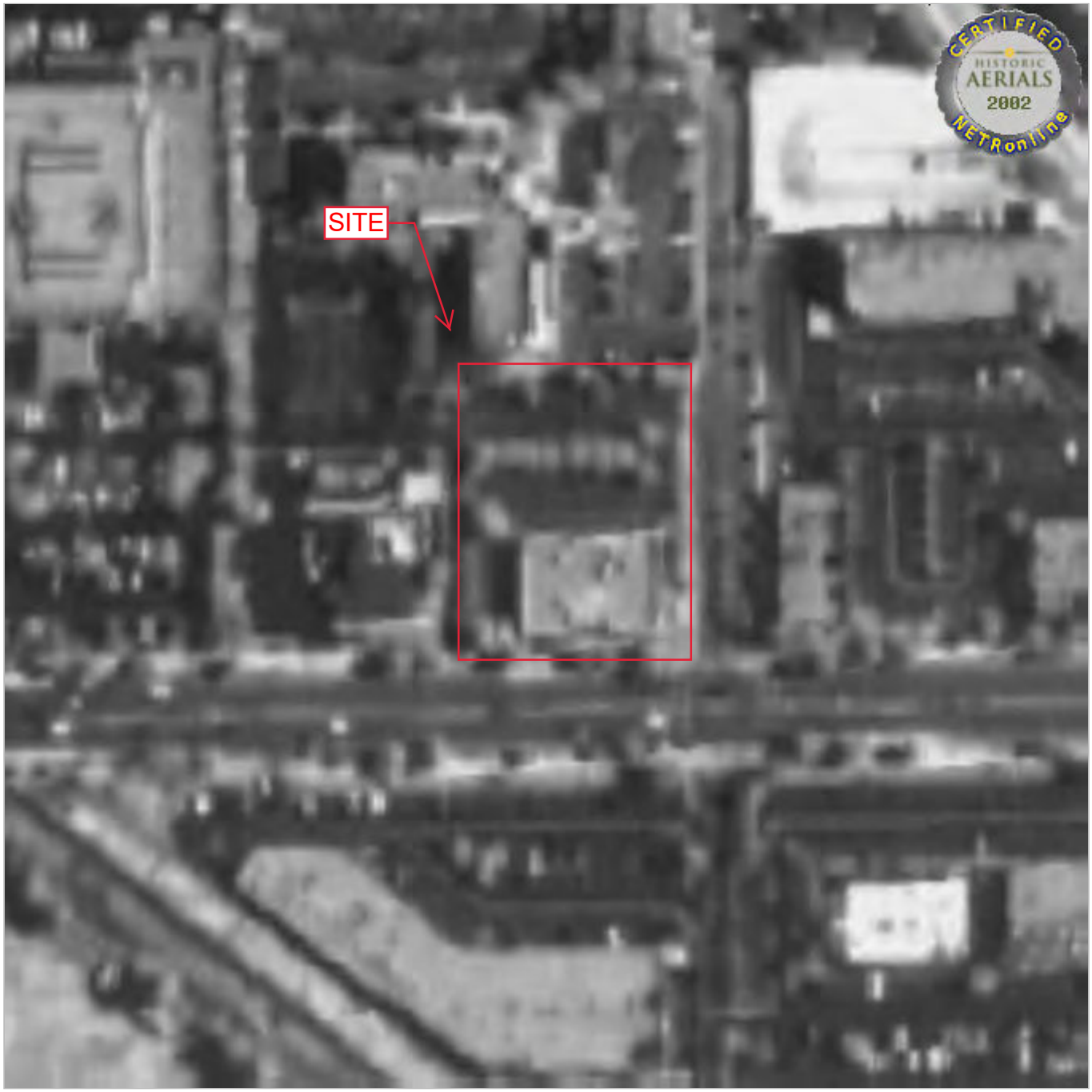
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2003 aerial photograph

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2002 aerial photograph
USGS_DOQQ (2002-02-10 - 2002-09-10)



prepared March 14, 2021 -- Historic Aerial imagery © 2021 , NETRonline, LLC.



30m
100f

1994 aerial photograph
USGS DOQQ (1994-01-01 - 1994-10-02)



prepared March 14, 2021 -- Historic Aerial imagery © 2021 , NETRonline, LLC.



30m
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1980 aerial photograph
USGS (1980-10-21 - 1980-12-16)

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1977 aerial photograph
USGS (1977-11-23 - 1977-11-25)



prepared March 14, 2021 -- Historic Aerial imagery © 2021 , NETRonline, LLC.



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1972 aerial photograph
USGS (1972-09-20 - 1972-10-25)



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30m
100f

N
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1964 aerial photograph
USGS (1964-07-28 - 1964-08-08)
USGS (1964-07-28 - 1964-09-22)

prepared March 14, 2021 -- Historic Aerial imagery © 2021 , NETRonline, LLC.



30m
100f

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1954 aerial photograph
USDA (1954-02-02 - 1957-10-28)

prepared March 14, 2021 -- Historic Aerial imagery © 2021 , NETRonline, LLC.



30m
100f

1952 aerial photograph
USGS (1952-07-09 - 1952-08-15)



prepared March 14, 2021 -- Historic Aerial imagery © 2021 , NETRonline, LLC.

APPENDIX 8.13 – LACFD Records Request and Response

HHMD No File Responsive :: H034825-031621

From: LACoFD (lacountyfire@mycusthelp.net)

To: nnsacro@enviroassessors.com

Date: Tuesday, March 16, 2021, 11:55 PM PDT

RE: PRA of March 16, 2021, Reference # H034825-031621.

Dear Project Director Norman N Sacro,

The Los Angeles County Fire Department, Health Hazardous Materials Division, being the custodian or keeper of records, certify that a thorough search for the records you requested has been carried out.

Re: 301 E. Huntington Drive
ARCADIA CA 91006

The search revealed that your noted address did not match our database.

It should be understood that this does not mean that the records you requested do not exist. It is possible that such records may be misfiled; exist under another spelling, another name, or may have been destroyed based on this Department's Record Retention Policy. However, with the information furnished to our office, and to the best of our knowledge, no records were located.

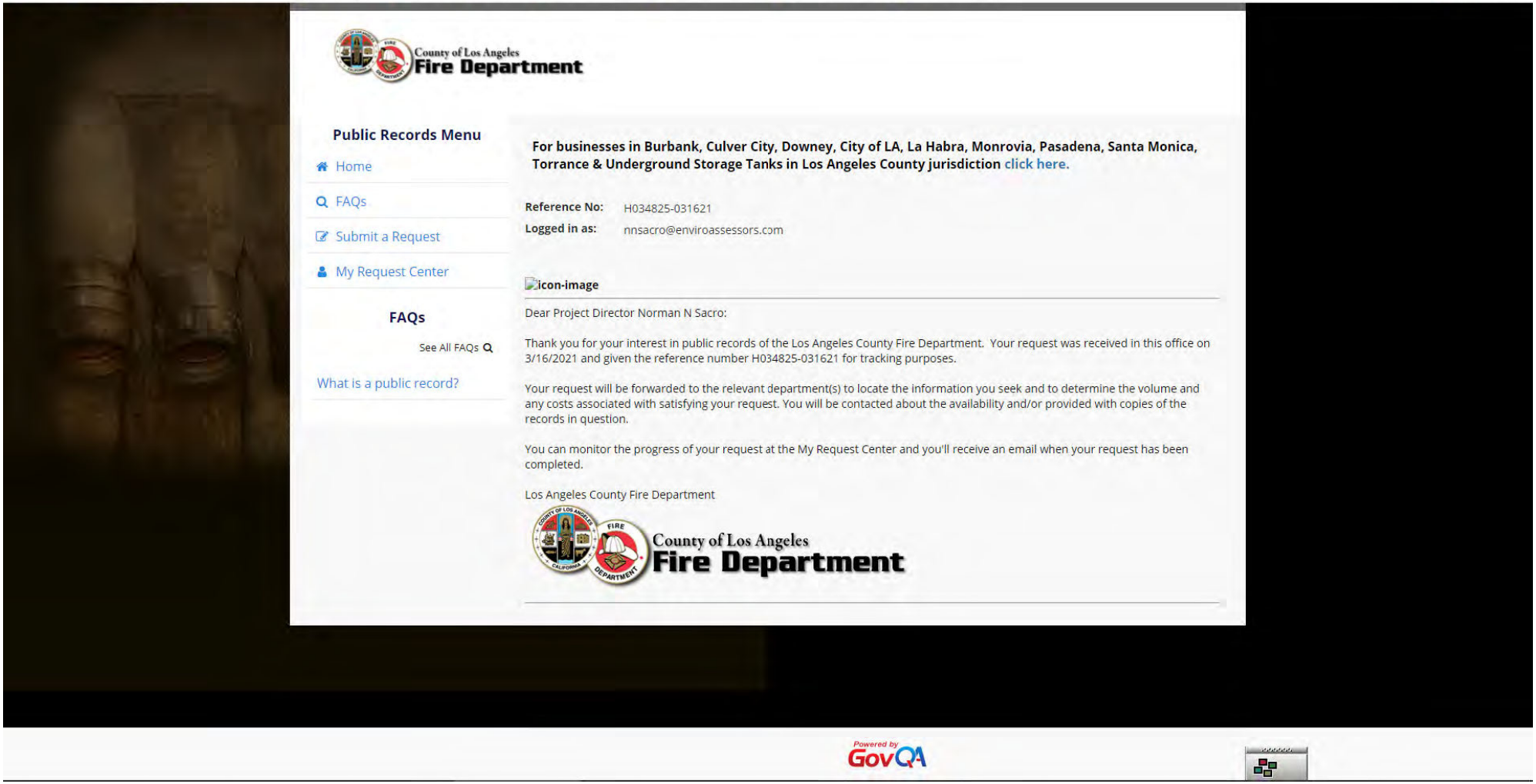
For businesses in Burbank, Culver City, Downey, City of LA, La Habra, Monrovia, Pasadena, Santa Monica, Torrance & Underground Storage Tanks in Los Angeles County jurisdiction click here.

Los Angeles County Fire Department

Health Hazardous Materials Division

Site Administrator

County of Los Angeles
Fire Department


Bookmarks
PUBLIC RECORDS CENTER
lacountyfire.govqa.us/WEBAPP/_rs/(S(owpc4yagkeaas4zkulivgacr))/requestopen.aspx?sSessionID=4715214869PCCIPBJSGTVGCLCCEVDLOYGRQMSQOO&rqst=4
Apps
Imported From IE
(4,794 unread) - nn...
Bizmail Login
Bookmarks
Google
Google Mapsmaps...
Password Manager...
Sign in - Google Ac...
Trade name registra...
Other bookmarks
County of Los Angeles
Fire Department
Public Records Menu
Home
FAQs
Submit a Request
My Request Center
FAQs
See All FAQs
What is a public record?
For businesses in Burbank, Culver City, Downey, City of LA, La Habra, Monrovia, Pasadena, Santa Monica, Torrance & Underground Storage Tanks in Los Angeles County jurisdiction click here.
Reference No: H034825-031621
Logged in as: nnsacro@enviroassessors.com
icon-image
Dear Project Director Norman N Sacro:
Thank you for your interest in public records of the Los Angeles County Fire Department. Your request was received in this office on 3/16/2021 and given the reference number H034825-031621 for tracking purposes.
Your request will be forwarded to the relevant department(s) to locate the information you seek and to determine the volume and any costs associated with satisfying your request. You will be contacted about the availability and/or provided with copies of the records in question.
You can monitor the progress of your request at the My Request Center and you'll receive an email when your request has been completed.
Los Angeles County Fire Department
County of Los Angeles
Fire Department
Powered by GovQA

APPENDIX 8.14 – Parcel Details

Summary

AIN: 5773-009-065 7

Situs Address:
301 E HUNTINGTON DR
ARCADIA CA 91006-3747

Use Type:	Commercial
Parcel Type:	Regular Fee Parcel
Tax Rate Area:	01868
Parcel Status:	**ACTIVE**
Create Date:	03/01/1989
Delete Date:	
Tax Status:	**CURRENT**
Year Defaulted:	
Exemption:	None

Building (0101) & Land Overview

Use Code:	2100
Design Type:	2101
Quality Class:	C7
# of Units:	1
Beds/Baths:	0/0
Building SqFt:	7,626
Year Built:	1988
Effective Year:	1988
Land SqFt:	38,953


(https://maps.assessor.lacounty.gov/GeoCortex/Essentials/PAIS/REST/sites/PAIS/VirtualDirectory/AssessorMaps/ViewMap.html?val=5773-009)

Parcel Map (https://maps.assessor.lacounty.gov/GeoCortex/Essentials/PAIS/REST/sites/PAIS/VirtualDirectory/AssessorMaps/ViewMap.html?val=5773-009) / Map Index (https://maps.assessor.lacounty.gov/GeoCortex/Essentials/PAIS/REST/sites/PAIS/VirtualDirectory/AssessorMaps/ViewMap.html?val=5773-NDX)

	2021 Roll Preparation		2020 Current Roll	RC	Year		1996 Base Value
$	1,534,763	$	1,519,026	T	1996	$	1,000,000
$	920,853	$	911,411	T	1996	$	600,000
$	2,455,616	$	2,430,437			$	1,600,000

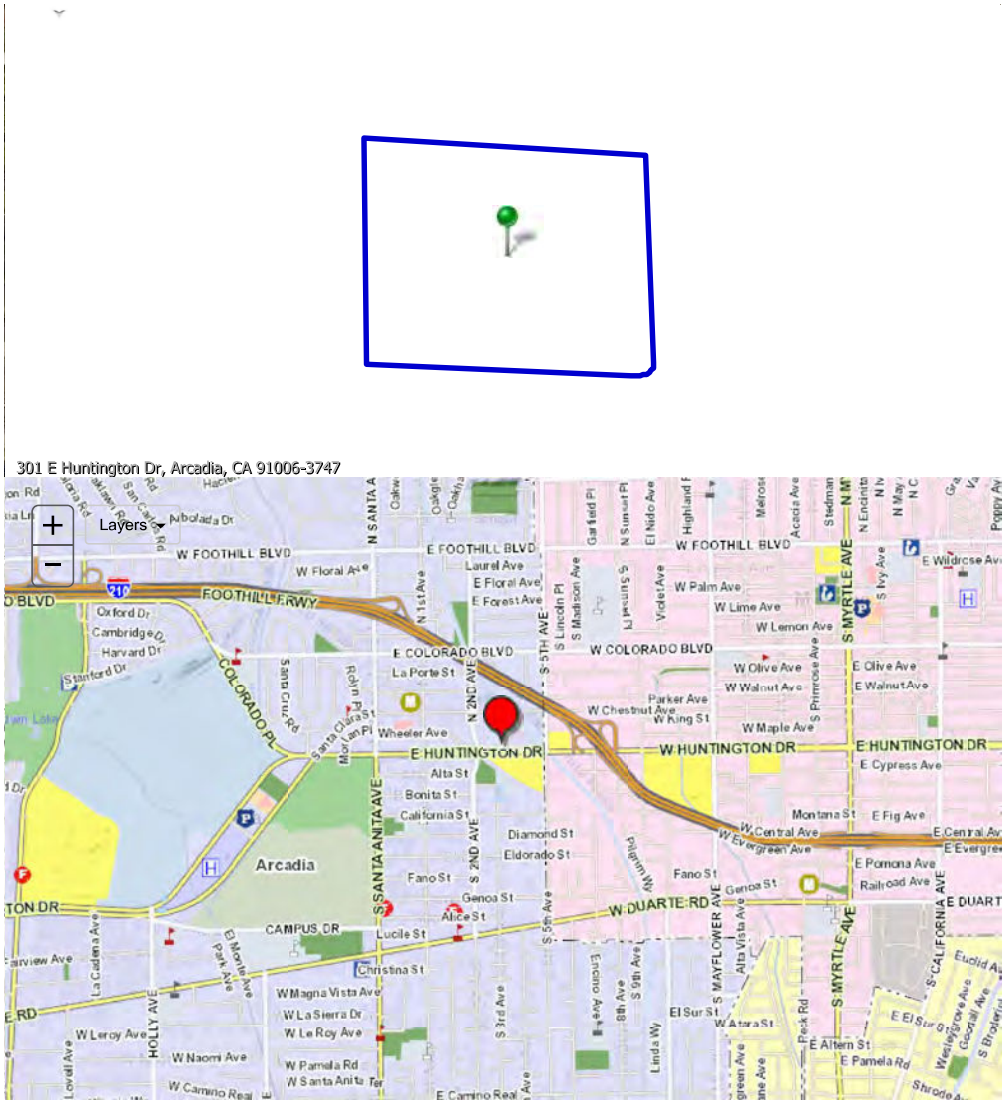
Assessor's Responsible Division

District:	East District Office
Region:	27
Cluster:	27661 ARCADIA

East District Office (https://maps.google.com/?q=1190+Durfee+Ave.+South+El+Monte%2C+CA+91733)
1190 Durfee Ave.
South El Monte, CA 91733

Phone: (626) 258-6001
Toll Free: 1 (888) 807-2111
M-F 7:30 am to 5:00 pm





Building and Land Characteristics

Land Information

Use Code = 2100 (Commercial)

Total SqFt (GIS):	38,953
Total SqFt (PDB):	
Usable SqFt:	38,830
Acres:	
Land W' x D':	0 x 0
Sewers:	Yes
Flight Path:	No
X-Traffic:	Yes
Freeway:	No
Corner Lot:	Yes
Golf Front:	No
Horse Lot:	No
View:	None
Zoning:	(Refer Issuing Agency)

Code Split: No
Impairment: None

Situs Address:
301 E HUNTINGTON DR ARCADIA CA 91006-3747

Legal Description *(for assessment purposes)*:
TR=6860 1/2 VAC ST AND POR OF LOTS 12 THRU 17,20 AND ALL OF LOTS 18 AND 19

Use Code: 2100 (Commercial)
2 = Commercial
1 = Restaurant, Cocktail Lounge
0 = Restaurant, Cocktail Lounge, Tavern
0 = One Story

Building Information

SUBPART: ***0101***
Design Type: 2101
Quality Class: C7

of Units: 1
Beds/Baths: 0/0
Building SqFt: 7,626

Year Built: 1988
Effective Year: 1988
Depreciation: MC35 / / 0

RCN Other: $ 0
RCN Other Trended: $ 0
Year Change: 1988

Design Type: 2101
2 = Commercial
1 = Restaurant, Cocktail Lounge, Drive-In, Coffee Shop, etc.
0 = Unused or Unknown Code (No Meaning)
1 = Air Conditioned

SUMMARY: ***Total***

of Units: 1
Beds/Baths: 0/0
Building SqFt: 7,626
Avg SqFt/Unit: 7,626

Events History

Ownership () Parcel Change ()

Show Re-Assessable Only: ☐

Recording Date	Seq. #	Re-Assessed	# Parcels	%	Ver. Code	DTT Sale Price	Assessed Value
12/04/2012	50	No	1	00%-0	1	$ 9	$ 2,158,508
12/22/1995	50	Yes	1	00%-0	K	$ 1,600,000	$ 1,600,000
01/16/1991	50	Yes	1	00%-0	K	$ 1,700,000	$ 2,000,000
06/08/1988	51	Yes	1	00%-0	1	$ 9	$ 1,980,600

Assessment History

Show All: ☐ **Hide Inactive Rolls:** ☐ Showing 1 to 10 of 37 entries.

Bill Number	Bill Type	Bill Status	Date to Auditor	Recording Date	Total Value	Land Value	Improvement Value
221-PSEG				12/04/2012	$ 2,455,616	$ 1,534,763	$ 920,853
2200000	R	A	07/06/2020	12/04/2012	$ 2,430,437	$ 1,519,026	$ 911,411
2190000	R	A	07/01/2019	12/04/2012	$ 2,382,783	$ 1,489,242	$ 893,541
2180000	R	A	07/19/2018	12/04/2012	$ 2,336,063	$ 1,460,042	$ 876,021

Bill Number	Bill Type	Bill Status	Date to Auditor	Recording Date	Total Value	Land Value	Improvement Value
2170000	R	A	06/26/2017	12/04/2012	$ 2,290,259	$ 1,431,414	$ 858,845
2160000	R	A	07/05/2016	12/04/2012	$ 2,245,353	$ 1,403,348	$ 842,005
2150000	R	A	06/23/2015	12/04/2012	$ 2,211,627	$ 1,382,269	$ 829,358
2140000	R	A	06/24/2014	12/04/2012	$ 2,168,306	$ 1,355,193	$ 813,113
2130000	R	A	06/25/2013	12/04/2012	$ 2,158,508	$ 1,349,069	$ 809,439
2120000	R	A	06/27/2012	12/22/1995	$ 2,116,185	$ 1,322,617	$ 793,568

« 1 2 3 4 »

© 2017- Los Angeles County Assessor
Contact Us (https://assessor.lacounty.gov/contact-us/) | Disclaimer (disclaimer) | FAQ (faq)
PDB Effective Date: 03/14/2021

(https://facebook.com/LACAssessor) (https://www.twitter.com/LACASSESSOR) (https://www.linkedin.com/company/los-angeles-county-office-of-the-assessor) (https://youtube.com/u



02/05/2020

APPENDIX 8.15 – Qualifications of Environmental Professional

Dr. NORMAN N. SACRO, MND, MS, PEnvA, DipAES

CREDENTIALS

Missionary Natural Doctor
Dansalan College in consortium with Institute of Integrative & Natural Health Sciences, 2012

Master of Science in Environmental Science
Loyola Marymount University, 1985

Bachelor of Science in Chemistry
University of the Philippines, 1975

Contractor License (No. 895032) in the following classifications: General Engineering (A), General Building (B) and Hazardous Substances Removal Certification (HAZ)

Engineer-in-Training, State of California, XE072011

Registered Environmental Assessor I, #00118 (Note: Dr. Sacro was one of the first REAs. The 2012/2013 California budget removed the REA Program from statute, effective July 1, 2012, due to budgetary considerations.)

Registered Environmental Assessor II, # 20205 (Note: Dr. Sacro was one of only approximately 200 REA IIs. The 2012/2013 California budget removed the REA Program from statute, effective July 1, 2012, due to budgetary considerations.)

Professional Environmental Assessor, PEnvA No. 00001

Diplomate of the American Environmental Society, DipAES No. 00001

EPA Radon Measurement Operators Training Course

Risk Assessment and its Application at Contaminated Release Sites, University of California, Riverside

Conceptual Site Models and the Data Necessary to Make Technical Decisions Regarding Cleanup and Site Closure, University of California, Riverside

EXPERIENCE SUMMARY

Dr. Sacro has over thirty years of experience covering various fields including basic research (e.g., chemical, environmental, production oriented, analytical), laboratory analysis, production (e.g., petroleum products, chemical specialties), environmental chemistry and engineering, and construction management.

Dr. Sacro has performed numerous environmental audits in California and other states as well. His environmental audits have included evaluation of facility regulatory compliance and property transfer liability assessments. Regulatory compliance audits conducted included evaluation against local, State, and Federal regulations as well as good management practice norms. He has performed regulatory audits on various facilities including manufacturing and research establishments; Federal facilities such as navy, marine, army, and nuclear sites; and hazardous waste handling facilities such as waste haulers and landfills. His property transfer assessments have included

manufacturing, office, and residential establishments that were conducted for mortgage brokers, property managers, banks, insurance companies, developers, and law firms.

Dr. Sacro has been extensively involved in various environmental projects including waste minimization, subsurface investigations, engineering design and evaluation, remediations, indoor air quality investigations, and greenhouse gas emissions modeling. He has performed waste minimization studies for both the industry and the Environmental Protection Agency. He has been involved in investigations of contamination of the soil and the groundwater in different types of facilities due to leakage from underground storage tanks, manufacturing equipment, and faulty material handling practices. Mr. Sacro has been involved in the engineering design of environmental facilities including a municipal hazardous waste transfer facility, flood routing for an oil recycling firm, and wastewater treatment system for gasoline contaminated groundwater. He has been involved in environmental remediations of soil and groundwater contamination due to various operations. Mr. Sacro has also testified as both expert and percipient witness in court in connection with contaminated property investigation and remediations.

Dr. Sacro manages construction projects including excavation and grading, office buildings, industrial buildings and facilities, parking lots, building and facility upgrades to comply with American with Disabilities Act (ADA), church building, tenant improvements, and underground storage tank removal and remediation.

KEY PROJECTS

- Managed the construction of a tank farm foundation for a large olive oil processing facility.
- General contractor for tenant improvements for various commercial and industrial facilities.
- General contractor for various projects for a major defense and communications facility that included a communications tower, radar facility, anechoic chamber, etc.
- General contractor for the construction of an industrial olive oil packing plant.
- Managed the removal of underground storage tanks in at least fifteen different sites, both private and government, and conducted environmental remediation where required.
- General contractor for the building and parking lot ADA upgrade of a California Department of Motor Vehicles facility.
- Managed multi-million dollar contracts for the California Department of Transportation involving hazardous waste site investigations in connection with freeway construction activities (e.g., widening, sound wall installation, turn-out construction), seismic retrofit of bridges and overpasses, repair of earthquake damaged freeways and interchanges, maintenance station waste management related problems, property acquisitions for public works related projects, and hazardous waste remedial activities.
- Managed multi-million dollar contracts for the California Department of Transportation involving evaluation and cleanup of hazardous waste contamination in maintenance stations, particularly those due to the use of underground storage tanks.
- Conducts environmental assessments of commercial and industrial facilities/real estates to identify potential environmental liabilities in connection with property transfers. Some of the environmental assessments performed include potential environmental liability cost estimates associated with multi-billion-dollar property acquisitions or company asset transfer. His clients include major government transportation agencies (e.g., California Department of Transportation, Southern California Metropolitan Transit Authority), port facilities (e.g., Worldport Los Angeles), major developers and brokers, nationwide insurance companies, and high-tech industrial facilities.

- Managed and prepared Material Safety Data Sheet for steel products of a major worldwide steel company.

- Managed and conducted pre-demolition asbestos surveys of residential, apartment, commercial, and industrial buildings for California Department of Transportation in connection with the widening of Freeways 110 and 5 and the construction of Freeway 30.

- For various clients, managed and conducted asbestos surveys of properties including industrial, commercial, residential, clinical, and hospital buildings in connection with property transfers and/or company mergers.

- Performed numerous environmental regulatory compliance audits on government and private facilities. Private facilities for which work have been conducted include manufacturing, waste recycling facilities and hazardous waste treatment and storage facilities in various states.

- Conducted numerous environmental characterization and remediation for various facilities. Some of the work was performed in connection with real estate transfer transactions.

- Managed and performed compliance to SARA Title III, Section 313 reporting requirements for various industrial facilities.

- Provided expert advise to lawyers in connection with a litigation involving injury potentially caused by exposure to agricultural chemicals.

- Managed and accomplished reporting requirements under the California Hazardous Waste Management Review Act of 1989 (SB 14).

- Provided health and safety oversight and monitoring for remedial activities associated with a former manufactured gas site operated by Southern California Gas.

- Managed and conducted a detailed study involving volatile organic carbon emission compliance with rules and regulations of the South Coast Air Quality Management District. The study was performed for a subsidiary of a major world-wide steel company. The study involved air sampling, conceptual process modeling, interpretation of data, and interface with regulatory personnel.

- For the University of California, managed the development and submission of the Source Test Protocols for air emissions risk assessment under the California Air Toxics "Hot Spots" Information and Assessment Act of 1987 (AB 2588).

- Performed remedial investigation studies in connection with the construction of a freeway strip over a California Superfund site. The site is an inactive landfill that showed heavy metal (e.g., lead) and organics contamination.

- Accomplished reporting requirements under SARA Title III, Section 313, Toxic Chemical Release Inventory for a major oil company. The project included development of a novel approach of evaluating complicated process operations for calculating emissions of chemicals into various media.

- Conducted an environmental impact analysis of the Orange County Hazardous Waste Management Plan. His involvement was the evaluation of impacts on utility resources by the build out of the proposed hazardous waste facilities in Orange County.

- Lead in the study of waste minimization options for waste streams encountered in electric utility facilities. Specifically, the waste streams included chromate contaminated waters, surface impoundment wastes, oily wastes, and paint wastes.

- Preparation of Verification Study Action Plan for the Naval Weapons Station (Seal Beach, California). This Verification Study is aimed at confirming or denying the presence of hazardous wastes disposed of for many years at several sites. The study involves grab sampling, soil core sampling, and drilling of monitoring wells in sensitive areas such as explosives contaminated soils and where endangered species of plants and animals are found.

- Evaluation of a clean-up Feasibility Study performed by another environmental consulting firm on a property that is partly on an NPL (National Priority List) site.

- Managed and prepared Toxic Hot Spots (AB 2588) Inventory Plans for General Motors, THUMS Long Beach (Consortium of Texaco, Humbel, Union, Mobil, and Shell), Chemical Waste Management Kettleman Hill Hazardous Waste Landfill, and BHI Steel.

- Managed and prepared Air Toxic Inventory Plans (ATIP) Air Toxic Inventory Reports (ATIR) for the University of California and several industrial facilities in compliance with the California Air Toxics "Hot Spots" Information and Assessment Act of 1987 (AB2588).

- Performed an engineering study involving storm water routing for a waste oil recycling facility.

- Performed soil sampling and supervised drilling and installation of vadose zone monitoring wells for underground storage tank leak detection for a manufacturing firm.

- Managed and conducted groundwater treatment program for a hospital whose leaking underground storage tank contaminated the groundwater with gasoline. The project also involved the supervision of the installation of a double wall fiberglass tank and the interstitial leak monitoring system, as well as the design and installation of a treatment system for contaminated groundwater. Interfaced with the DOHS, Public Works Department and the Fire Department on permitting requirements.

- Prepared Business Plans for compliance with the Right-To-Know legislation.

- Performed a Site Investigation involving field sampling at an abandoned mining area contaminated with cyanide. The project also involved performing and EPA Hazardous Waste Site Ranking System which is used to evaluate a site for listing in the NPL (National Priority List).

- For a major electronics manufacturer, managed subsurface investigation of underground storage tanks to verify potential past discharge of metal plating degreasing liquid baths.

- Performed RCRA compliance audits of various facilities including manufacturing facilities, a major nuclear weapons plant metal parts supplier, a major hazardous waste landfill, a hazardous materials/waste hauler, as well as army, navy, and marine installations.

- Managed and conducted asbestos evaluation survey of various facilities for the California Office of State Architects, as well as other facilities in connection with real estate transfer transactions.

- Lead engineer in the preparation of an Engineering Evaluation/Cost Analysis (EE/CA) for a removal action at a CERCLA site with known soil and groundwater contamination due to toxic/hazardous liquid chemical discharge.

- Conducted groundwater sampling at various pumping stations of a major petroleum company for the evaluation of PCB on-site discharge.

- For a sheet metal coating firm, managed a study on the search for alternatives to land disposal of chrome-bearing hazardous waste in compliance with RCRA land disposal restrictions.

- Performed for the U.S. EPA a project to determine whether hazardous sludge is scoured or resuspended and carried out with petroleum refinery API separator wastewater. The project involved site inspection of general major oil refineries, sludge and wastewater sampling, and experimental pilot testing.

- Lead engineer for a U.S. EPA study characterizing the waste streams from the inorganic chemicals manufacturing industries and evaluating current waste treatment practices.

- Conducted for U.S. EPA a study assessing the cost-effectiveness of various control strategies for underground storage tanks.

- Performed for the U.S. EPA a study evaluating various hazardous waste treatment technologies and their restrictive characteristics.

- Lead engineer in a U.S. EPA study to determine the compatibility of petroleum products and chemical substances with storage tanks and the development of laboratory test procedures for compatibility evaluation.

- Lead engineer in a U.S. EPA study on waste minimization by source reduction or product substitution in various industries that are suspected to generate the greatest volumes of hazardous wastes.

- Lead engineer in a U.S. EPA study evaluating the technical effectiveness of traditional tank leak integrity tests to underground storage tanks with hazardous wastes.

- Lead engineer in a U.S. EPA study characterizing the K and D code hazardous wastes encountered in the manufacture of paints and veterinary pharmaceuticals; This also included the evaluation of statutory and BDAT (best demonstrable available technology) waste treatment technologies.

- Conducted a U.S. EPA study on the reduction and recycling of incinerable liquid organic hazardous waste.

- Performed an engineering analysis of an existing plating wastewater treatment plant and suggested measures to take to optimize the operation and bring the effluent heavy metal characteristics within regulatory standards.

- Lead engineer in a study on the characterization of selected industries by 4-digit SIC codes for a waste minimization report to U.S. Congress.

- Conducted an investigation of the disposal of wastes exhibiting hazardous properties in a low level radioactive waste landfill for the U.S. EPA and the Washington State Department of Health.

- Lead engineer in a U.S. EPA project on the development of Federal regulations for underground storage tanks containing hazardous materials/wastes.

- Involved in a feasibility and design project of a hazardous waste transfer and storage facility for the City of Albuquerque, New Mexico.

- Designed and supervised the fabrication and installation of an air pollution control device.

- Supervised the construction and operation of a wastewater treatment plant for a textile manufacturing facility.

- Conducted Bhopal-India-type safety evaluation of several facilities belonging to major U.S. chemical manufacturing companies such as Occidental Chemicals.

PUBLICATIONS AND MAJOR REPORTS

- Sacro, Norman. 1991-1995. Over 30 major reports on hazardous waste remedial activities (e.g., gasoline stations, industrial sites, Caltrans maintenance stations) and hazardous waste site investigations all over California in connection with freeway construction activities (e.g., widening, soundwall installation, turn-out construction), seismic retrofit of bridges and overpasses, repair of earthquake damaged freeways and interchanges, maintenance station waste management related problems, property acquisitions for public works related projects, asbestos surveys (e.g., apartment complexes, over 150 residential houses, and commercial/industrial buildings along freeway/interchange expansion areas). California Department of Transportation.

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- Sacro, N. December 1988. Chromate Contaminated Wastewaters in the Electric Utility Industry, Waste Minimization. Electric Power Research Institute.

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- Sacro, N. (contributing author). 1985. Cost/Effectiveness Analysis of Leaking Underground Tank Regulatory Options. EPA Contract No. 68-01-7053, Work Assignment No. 24.

- Sacro, N. (contributing author). 1985. Compatibility of Petroleum Products and Chemical Substances with Storage Tanks. EPA Contract No. 68-01-7053, Work Assignment No. 19.

- Sacro, N. (contributing author). 1985. Waste Minimization, Volume 2 -- Source Reduction. EPA Contract No. 17.

- Baluyut, E.A., and Norman Sacro. 1980. The Physico-chemical Environment of Laguna de Bay. The Phil. Biota. xv(3): 92-105

- Sacro, Norman. 1977. Algal Blooms and Aquatic Weeds Control. Aquatic Weed Control Unit, Central Inland Fisheries Research Institute, Barrackpore, India.

Appendix F-3

Phase II ESA of 301 E. Huntington Drive, prepared by Enviroassessors, Inc.

PHASE II ENVIRONMENTAL SITE ASSESSMENT
AT 301 E. HUNTINGTON DRIVE
ARCADIA, CA 91006

Prepared for

Pacific Enterprise Bank
17748 Sky Park Circle, Suite 100
Irvine, CA 92614
and
U.S. Small Business Administration

Prepared by

ENVIROASSESSORS, INC.
527 N. Azusa Avenue, No. 177
Covina, CA 91722-3502

Work Order No. 1146-332-01-0002

April 14, 2021

Enviroassessors, Inc.

Environmental Consulting & Contracting
General Engineering & General Building Contractor • License No. 908600 - A, B, HAZ

Enviroassessors, Inc.

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527 N. Azusa Avenue, No. 177
Azusa, CA 91722-3502
U.S.A.

Phone: (626) 852 - 0777
www.enviroassessors.com

April 14, 2021

Pacific Enterprise Bank
17748 Sky Park Circle, Suite 100
Irvine, CA 92614
and
U.S. Small Business Administration

Subject: Phase II Environmental Site Assessment at
301 E. Huntington Drive, Arcadia, CA 91006
Work Order No. 1146-332-01-0002

Dear Ladies and Gentlemen:

Enclosed please find a copy of the subject report prepared by Enviroassessors, Inc. The report discusses the findings of the field investigation conducted on April 2, 2021 at the referenced address.

Thank you very much for the opportunity of serving you. Please do not hesitate to give us a call should you have any questions or need further information.



Sincerely,

Enviroassessors, Inc.

Norman N. Sacro, MND, MS, PEnvA, DipAES
Project Director

Enclosure

Enviroassessors, Inc.

Environmental Consulting & Contracting
General Engineering & General Building Contractor • License No. 908600 - A, B, HAZ

527 N. Azusa Avenue, No. 177
Covina, CA 91722-3502
U.S.A.

Phone: (626) 852 - 0777
www.enviroassessors.com

RELIANCE LETTER

April 14, 2021

To: Pacific Enterprise Bank ("Lender")
17748 Sky Park Circle, Suite 100
Irvine, CA 92614

and

U.S. Small Business Administration ("SBA")

Re: Borrower Name: Elite Holdings & Associates, LLC and Derby Restaurant Arcadia, Inc.
301 E. Huntington Drive, Arcadia, CA 91006 ("Property")
Work Order No. 1146-332-01-0001

Dear Lender and SBA:

Norman N. Sacro ("Environmental Professional") meets the definition of an Environmental Professional as defined by 40 C.F.R. § 312.10(b) and has performed or supervised the performance of the following "Environmental Investigation(s)" (check all that apply):

☐ A Transaction Screen of the Property dated _____, 20____, and any addendum(s) thereto, conducted in accordance with ASTM International's most recent standard (currently ASTM E1528-14);

☐ A Phase I (or an Updated Phase I) Environmental Site Assessment of the Property dated _____, 20____, and any addendum(s) thereto, conducted in accordance with ASTM International's most recent standard (currently ASTM E1527-13). In addition, the Environmental Professional has addressed the performance of the "additional inquiries" set forth at 40 C.F.R. § 312.22;

☒ A Phase II Environmental Site Assessment of the Property dated April 14, 2021, and any addendum(s) thereto, conducted in accordance with generally-accepted industry standards of practice and consisting of a scope of work that would be considered reasonable and sufficient to identify the presence, nature and extent of a Release as it impacts the Property.

Reliance by SBA and Lender. Environmental Professional (and Environmental Professional's firm, where applicable) understand(s) that the Property may serve as collateral for an SBA-guaranteed loan, a condition for which is an Environmental Investigation of the Property by an Environmental Professional. Environmental Professional (and Environmental Professional's firm, where applicable) authorize(s) Lender and SBA to use and rely upon the Environmental Investigation. Further, Environmental Professional (and Environmental Professional's firm, where applicable) authorize(s) Lender and SBA to release a copy of the Environmental Investigation to the Borrower for information purposes only. This letter is not an update or modification to the Environmental Investigation. Environmental Professional (and Environmental Professional's firm, where applicable) makes no representation or warranty, express or implied, that the condition of the Property on the date of this letter is the same or similar to the condition of the Property described in the Environmental Investigation.

Insurance Coverage. Environmental Professional (and/or Environmental Professional's firm, where applicable) certifies that he or she or the firm was covered as of the date of the Environmental Investigation by errors and omissions liability insurance with a minimum coverage of $1,000,000 per claim (or occurrence) and that evidence of this insurance is attached. As to the Lender and SBA, Environmental Professional (and Environmental Professional's firm, where applicable) specifically waive(s) any dollar amount limitations on liability up to $1,000,000 as well as any time limitations on liability, other than state or Federal statutes of limitation.

Waiver of Right to Indemnification. Environmental Professional and Environmental Professional's firm waive any right to indemnification from the Lender and SBA.

Impartiality. Environmental Professional certifies that (1) to the best of his or her knowledge, Environmental Professional is independent of and not a representative, nor an employee or affiliate of seller, Borrower, operating company, or any person in which seller has an ownership interest; and (2) the Environmental Professional has not been unduly influenced by any person with regard to the preparation of the Environmental Investigation or the contents thereof.

Acknowledgment. The undersigned acknowledge(s) and agree(s) that intentionally falsifying or concealing any material fact with regard to the subject matter of this letter or the Environmental Investigations may, in addition to other penalties, result in prosecution under applicable laws including 18 U.S.C. § 1001.



Signature of Environmental Professional
Printed Name: Norman N. Sacro

(Note: The Environmental Professional must <u>always</u> sign this letter above. If the Environmental Professional is employed or retained by an Environmental Firm, then an authorized representative of the firm must also sign below).



Signature of representative of firm who is authorized to sign this letter
Printed Name & Title: Norman N. Sacro, Project Director
Name of Environmental Firm: Enviroassessors, Inc.

Enclosure: Evidence of Insurance

SOP 50 10 6 Effective October 1, 2020

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 9/26/2019

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER
Van Oppen & Co. 2, Inc.
VOCO2 Insuranc & Risk Control Services
P.O. Box 793
Teton Village WY 83025

CONTACT NAME: Brenda Todd
PHONE (A/C, No, Ext): 800-746-0048 **FAX (A/C, No):** 866-784-4876
E-MAIL ADDRESS: service@vanoppenco2.com

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A : Homeland Insurance Co. of NY	34452
INSURER B :	
INSURER C :	
INSURER D :	
INSURER E :	
INSURER F :	

INSURED ENVIR-3
Enviroassessors, Inc.
527 N. Azusa Ave., #177
Corvina CA 91722

COVERAGES **CERTIFICATE NUMBER:** 1015830104 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X **COMMERCIAL GENERAL LIABILITY**	Y	Y	793-00-69-87-0001	10/10/2019	10/10/2021	EACH OCCURRENCE	$ 1,000,000
	CLAIMS-MADE X OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	$ 100,000
	X CPL(Pollution)						MED EXP (Any one person)	$ 10,000
							PERSONAL & ADV INJURY	$ 1,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	$ 2,000,000
	X POLICY PRO-JECT LOC						PRODUCTS - COMP/OP AGG	$ 2,000,000
	OTHER:							$
A	**AUTOMOBILE LIABILITY**	Y	Y	793-00-69-87-0001	10/10/2019	10/10/2021	COMBINED SINGLE LIMIT (Ea accident)	$ 1,000,000
	ANY AUTO						BODILY INJURY (Per person)	$
	ALL OWNED AUTOS / SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	X HIRED AUTOS / X NON-OWNED AUTOS						PROPERTY DAMAGE (Per accident)	$
								$
	UMBRELLA LIAB OCCUR						EACH OCCURRENCE	$
	EXCESS LIAB CLAIMS-MADE						AGGREGATE	$
	DED RETENTION $							$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y / N						PER STATUTE OTH-ER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? **(Mandatory in NH)** N / A						E.L. EACH ACCIDENT	$
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	$
							E.L. DISEASE - POLICY LIMIT	$
A	Professional Liability "Claims Made"			793-00-69-87-0001	10/10/2019	10/10/2021	Each Claim Aggregate Subject to GL Agg	1,000,000 2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
General Information Only

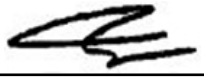
CERTIFICATE HOLDER

General Information Only

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE



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Table of Contents

RELIANCE LETTER..... 2

1.0 INTRODUCTION AND PROJECT DESCRIPTION 7

2.0 INVESTIGATIVE METHODS..... 8

3.0 INVESTIGATIVE RESULTS AND FIELD OBSERVATIONS 11
3.1 FIELD OBSERVATIONS..... 11
3.2 LABORATORY ANALYTICAL RESULTS 11

4.0 DATA EVALUATION AND DISCUSSION..... 17
4.1 SOIL MATRIX SAMPLES..... 18
4.2 SOIL VAPOR SAMPLES 19

5.0 CONCLUSIONS AND RECOMMENDATIONS 20

6.0 LIMITATIONS..... 21

7.0 REFERENCES 22

APPENDIX A – GPRS JOB SUMMARY

APPENDIX B – SAMPLING LOCATIONS

APPENDIX C – LABORATORY ANALYTICAL RESULTS

1.0 INTRODUCTION AND PROJECT DESCRIPTION

Enviroassessors, Inc. (ENVIROASSESSORS) prepared a Phase I Environmental Site Assessment Report on the subject property (Enviroassessors, Inc., March 17, 2021). The report included the following in the conclusions and recommendations:

- This assessment has revealed no evidence of *recognized environmental conditions* (RECs) in connection with the subject property except for the following:

  A gasoline service station operated on the subject property from 1950, at the latest, until possibly the late 1960s or early 1970s. An automotive repair facility may have been concurrently operated along with the service station until the property was redeveloped into a restaurant in 1988. No documentation was found regarding the removal of the fuel underground storage tanks and dispensers used by the service station. Also, there is potential for subsurface impact due to petroleum-derived organic compounds as well as indoor vapor intrusion.

  The term *recognized environmental conditions* means the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. *De minimis* conditions are not RECs nor *controlled recognized environmental conditions* (CRECs). A *de minimis condition is* a condition that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

- A Phase II environmental investigation is recommended to be conducted to address the REC identified above.

Pursuant to a proposal to Pacific Enterprise Bank dated March 18, 2021, a subsurface environmental investigation was conducted on April 2, 2021 addressing the recommendation above.

2.0 INVESTIGATIVE METHODS

At least 48 hours prior to the field activity, Underground Service Alert was notified so that utility companies could mark any buried utility lines or pipes.

Described below are the investigative methods.

Task 1. Geophysical Investigation

The purpose of the geophysical investigation was to locate detectable underground storage tanks (USTs), abandoned piping, and features of interest outside the building. The investigation was also conducted to clear proposed borehole locations of any utilities or objects that could interfere with the drilling process. The geophysical investigation was performed by GPRS on behalf of ENVIROASSESSORS. Appendix A includes a Job Summary provided by GPRS.

Geophysical methods (i.e., high sensitivity metal detection in addition to standard EM utility locating and ground penetrating radar) were employed by GPRS to conduct this task. A 10-foot radius around each proposed borehole location was scanned, and any utilities detected in the area were marked with paint.

No geophysical methods are capable of detecting buried USTs inside the building. Because of this, no boreholes were proposed to be drilled inside the building. The reason for this is, in case there are USTs underneath the building and they happen to contain any fuels, it would cause contamination (where possibly there is none) if the USTs are drilled through.

No suspect existing USTs were found by GPRS outside the building. Furthermore, the GPRS technician verbally indicated to ENVIROASSESSORS that no suspect UST cavity locations were identified and no suspect buried pipes were found other than existing utilities.

Four borehole locations (B1 through B4) were identified in the field and cleared for drilling. Appendix B shows the approximate borehole locations.

Task 2. Subsurface Soil Sampling

Four borehole locations (B1 through B4) were identified in the field based on the analysis of historical aerial photographs. The geophysical investigation did not give additional

information to change the borehole locations proposed. Described below are the borehole locations:

- Two 20-foot boreholes (B1 and B2) were identified west of the building where there is a good possibility for USTs to have been installed in the past. And

- Two 12-foot boreholes (B3 and B4) were identified within the footprint of the northern area of the lot where a possible automotive repair building using hydraulic lifts was located.

All sampling boreholes were drilled using direct push sampling technique (DPT) on April 2, 2021. All drilling and collection of soil matrix samples were performed by InterPhase Environmental on behalf of ENVIROASSESSORS. Boreholes B1 and B2 were advanced to 20 feet below ground surface (BGS). Boreholes B3 and B4 were advanced to 12 feet BGS. At the borehole locations, soil matrix samples were collected at target depths BGS.

Soil matrix samples were collected with Large Bore Geoprobe Samplers. Discrete soil samples were recovered using removable plastic liners placed inside the sampler. Immediately following collection, the desired length of liner containing the soil sample collected were cut with a plastic tube cutter and then both ends were promptly covered with Teflon sheet and capped. Soil matrix samples were labeled indicating the borehole number and depth of collection BGS (e.g., sample number SB1-5 in borehole B1 at a depth 5 feet BGS).

The samples were placed in resealable plastic bags and then placed in a cooler with ice for preservation. The samples were hand-delivered to the laboratory on the same day of collection for prompt analysis. The chain-of-custody sheet documenting the sample transfer and analyses requested are included in Appendix C. Table 1 lists the laboratory analyses conducted. American Scientific Laboratories, a State-certified environmental laboratory, performed the analysis of soil matrix samples.

After collecting the samples, the boreholes were backfilled with bentonite. The holes were refinished with asphalt to match the surrounding area.

TASK 3. Soil Vapor Sampling

The biggest concern inside the building is whether there is soil vapor intrusion into the interior of the building from the fuels historically stored in the USTs. Sub-slab soil vapor sampling was conducted to address this concern.

Three sub-slab sampling locations (V1 through V3) were identified inside the building. The sampling locations are within the vicinity of the building probably associated with the historical gasoline station based on an analysis of the historical aerial photographs. At each location, the following were performed on April 2, 2021:

- Drilled an approximately 3/8-inch hole through the slab using a hammer drill. The drill bit was advance 2 to 3 inches into the sub-slab material to create an open cavity.

- Approximately one-foot long Nylaflow™ tubing was inserted through the slab. The tubing inlet was installed at a sampling depth at or near the bottom of the slab.

- The annular space between the hole and tubing was sealed using bentonite clay.

- The tubing was purged using a diaphragm vacuum pump three tubing volumes.

- Using a lung box, soil vapor sample was collected into a Tedlar™ bag at a rate no greater than 0.2 liter per minute.

- The tubing was removed and the slab hole was sealed with cement.

The samples were delivered to the laboratory on the same day they were collected for prompt analysis. The chain-of-custody sheet documenting the sample transfer and analyses requested are included in Appendix C. The soil vapor samples were analyzed for Volatile Organic Compounds (VOCs) by USEPA Method 8260B. American Scientific Laboratories, a State-certified environmental laboratory, performed all laboratory analyses.

3.0 INVESTIGATIVE RESULTS AND FIELD OBSERVATIONS

3.1 FIELD OBSERVATIONS

As indicated above, no suspect existing USTs were found by GPRS outside the building. Furthermore, the GPRS technician verbally indicated to ENVIROASSESSORS that no suspect UST cavity locations were identified and no suspect buried pipes were found other than existing utilities.

The soils encountered are described in Table 1. No petroleum or suspicious chemical odor was noted in all borehole locations. No unusual colors in the soil were observed. Groundwater was not encountered in any of the borehole locations.

3.2 LABORATORY ANALYTICAL RESULTS

Results of the laboratory analyses of the soil matrix and soil vapor samples are included in Appendix C. Tables 1 and 2 below summarize the laboratory analytical results for the soil matrix and soil vapor samples, respectively.

TABLE 1. SUMMARY OF SOIL MATRIX SAMPLE ANALYTICAL RESULTS

BOREHOLE NUMBER	SAMPLING LOCATION DESCRIPTION	BOREHOLE DEPTH Feet	SAMPLE NUMBER	LITHOLOGY	ANALYSIS*			
					Volatile Organic Compounds (VOCs) EPA 8260B µg/Kg	Total Petroleum Hydrocarbons (TPH) with Carbon Chain ID GRO: C4-C12 DRO: C13-C22 ORO: C23-C32+ EPA 8015M mg/Kg	Total Lead EPA 6010B µg/Kg	PCBs EPA 8082 µg/Kg
B1	West of present building and northwest of building probably associated with historical gasoline station	20	SB1-5	SP. Silty sand, light brown, poorly sorted, loose, damp	ND	ND	Not analyzed due to VOCs = ND	-
			SB1-10	SP. Silty sand, light brown, poorly sorted, loose, damp	ND	ND	Not analyzed due to VOCs = ND	-
			SB1-20	SP. Silty sand, gray, poorly sorted, loose, damp	ND	ND	Not analyzed due to VOCs = ND	-

B2	West of present building and west of building probably associated with historical gasoline station	20	SB2-5	SP. Silty sand, light brown, poorly sorted, loose, damp	ND	ND	Not analyzed due to VOCs = ND	-
			SB2-10	SP. Silty sand, gray, poorly sorted, loose, damp	ND	ND	Not analyzed due to VOCs = ND	-
			SB2-20	SP. Silty sand, gray, poorly sorted, loose, damp	ND	ND	Not analyzed due to VOCs = ND	-
B3	Northern area of lot and within footprint of building probably associated with historical automotive repair shop	12	SB3-5	SP. Silty sand, light brown, poorly sorted, loose, damp	-	ND	-	Not analyzed due to TPH = ND
			SB3-12	SP. Silty sand, light brown, poorly sorted, firm, damp	-	ND	-	Not analyzed due to TPH = ND
B4	Northern area of lot and within footprint of building probably associated with historical automotive repair shop	12	SB4-5	SP. Silty sand, light brown, poorly sorted, loose, damp	-	ND	-	Not analyzed due to TPH = ND
			SB4-12	SP. Silty sand, light brown, poorly sorted, firm, damp	-	ND	-	Not analyzed due to TPH = ND

DATA EVALUATION	Volatile Organic Compounds (VOCs) EPA 8260B	Total Petroleum Hydrocarbons (TPH) with Carbon Chain ID GRO: C4-C12 DRO: C13-C22 ORO: C23-C32+ EPA 8015M	Total Lead EPA 6010B	PCBs EPA 8082
DTSC Recommended Screening Levels for Soil	See DTSC, June 2020	NE	See DTSC, June 2020	See DTSC, June 2020
USEPA Regional Screening Levels (RSLs)	See USEPA, May 2020	NE	See USEPA, May 2020	See USEPA, May 2020
SFBRWQCB Tier 1 Environmental Screening Levels (ESLs)	See SFBRWQCB July 25, 2019 (Rev.2) Summary Tables for Soil	NE	See SFBRWQCB July 25, 2019 (Rev.2) Summary Tables for Soil	See SFBRWQCB July 25, 2019 (Rev.2) Summary Tables for Soil
California Regional Water Quality Control Board (California RWQCB), Maximum Screening Levels	NE	See California RWQCB, May 1996 Table 4-1	NE	NE

RSLs : Regional Screening Levels Summary Table; USEPA, April 2019
ESLs : Environmental Screening Levels; SFBRWQCB, July 25, 2019
µg/Kg : Microgram per kilogram
mg/Kg : Milligram per kilogram
ND : Not detected above reporting limit/Practical Quantitation Limit
NE : Not established
J : Result is an estimated quantity as it is above the Method Detection Limit but below the Practical Quantitation Limit.
* :All compounds not detected above reporting limit except for those indicated with concentrations
+ :Concentration above USEPA Screening Level (SL) (See discussion in Section 4.4).
^ :Concentration above DTSC Screening Level (SL) (See discussion in Section 4.4).
- :Not analyzed, not applicable

TABLE 2. SUMMARY OF SOIL VAPOR SAMPLE ANALYTICAL RESULTS

SAMPLING LOCATION	SAMPLING LOCATION DESCRIPTION	SOIL VAPOR WELL DEPTH	SAMPLE NUMBER	ANALYSES Volatile Organic Compounds (VOC) EPA 8260B µg/m³	PREDICTED INDOOR AIR VOC CONCENTRATION DUE TO VAPOR INTRUSION BASED ON VOC ANALYTICAL RESULTS µg/m³
SV-1	Inside present building and within the area of the historical gasoline station canopy	Sub-slab	SV-1	ND	0.0
SV-2	Inside present building and within the area of the historical gasoline station canopy	Sub-slab	SV-2	ND	0.0
SV-3	Inside present building and east of the historical gasoline station canopy and potential location of USTs	Sub-slab	SV-3	ND	0.0
DATA EVALUATION					
DTSC-Modified Screening Levels (See DTSC, June 2020)				NE for Subslab Soil Gas and Indoor Air	
USEPA Regional Screening Levels (RSLs)				See USEPA, May 2020 for Residential Air and Industrial Air	
SFBRWQCB Tier 1 Environmental Screening Levels (ESLs)				See SFBRWQCB July 25, 2019 (Rev.2) Summary Tables for Subslab Soil Gas and Indoor Air	

RSLs : Regional Screening Levels Summary Table; USEPA, May 2020
ESLs : Environmental Screening Levels; SFBRWQCB, July 25, 2019
µg/m³ : Microgram per cubic meter
ND : Not detected above reporting limit/Practical Quantitation Limit
NE : Not established

J : Result is an estimated quantity as it is above the Method Detection Limit but below the Practical Quantitation Limit.
* :All compounds not detected above reporting limit except for those indicated with concentrations
+ :Concentration above USEPA Screening Level (SL) (See discussion in Section 4.4).
^ :Concentration above DTSC Screening Level (SL) (See discussion in Section 4.4).
- :Not analyzed, not applicable
> :Concentration above one or more SFBRWQC Environmental Screening Level (ESL) (See discussion in Section 4.4).
Tetrachloroethene = 90 > -Exceeds Commercial/Industrial and Residential subslab/soil gas or Indoor Air ESL (for cancer risk)
Tetrachloroethene = 40> -Exceeds Residential but not Commercial/Industrial subslab/soil gas or Indoor Air ESL (for cancer risk)

4.0 DATA EVALUATION AND DISCUSSION

The concentrations of the analytes are compared with the tabulated May 2020 US Environmental Protection Agency Regional Screening Level (RSL) Summary Table. Screening levels (SLs) are used when a potential site is initially investigated to determine whether levels of contamination found at the site may warrant further investigation or site cleanup, or whether no further investigation or action may be required. The SLs are developed using risk assessment guidance from the EPA Superfund program and can be used for Superfund sites. They are risk-based concentrations derived from standardized equations combining exposure information assumptions with EPA toxicity data.

SLs are used for site "screening" and as initial cleanup goals, if applicable. SLs are not de facto cleanup standards and should not be applied as such. The SL's role in site "screening" is to help identify areas, contaminants, and conditions that require further federal attention at a particular site. Generally, at sites where contaminant concentrations fall below SLs, no further action or study is warranted under the Superfund program, so long as the exposure assumptions at a site match those taken into account by the SL calculations. Chemical concentrations above the SL would not automatically designate a site as "dirty" or trigger a response action; however, exceeding a SL suggests that further evaluation of the potential risks by site contaminants is appropriate. SLs are also useful tools for identifying initial cleanup goals at a site. In this role, SLs provide long-term targets to use during the analysis of different remedial alternatives. (Source: https://semspub.epa.gov/work/HQ/200043.pdf)

The Department of Toxic Substances Control (DTSC) Human and Ecological Risk Office (HERO) has developed modified screening levels based on the U.S. Environmental Protection Agency (USEPA) RSLs for use in the human health risk assessment process at hazardous waste sites and permitted facilities. HERO has prepared reference Tables 1, 2, and 3 that provide recommended screening levels for compounds in soil, tap water, and air, respectively. These DTSC-modified screening levels (DTSC-SLs) should be used in conjunction with the USEPA RSLs to evaluate chemical concentrations in environmental media at California sites and facilities. HERO HHRA Note Number 3, DTSC-modified Screening Levels (DTSC-SLs), June 2020 was used in conjunction with the USEPA RSLs (May 2020) to evaluate the results. (Source: https://dtsc.ca.gov/wp-content/uploads/sites/31/2019/04/HHRA-Note-3-June-2020-A.pdf)

San Francisco Bay Regional Water Quality Control Board (SFBRWQCB) has developed Environmental Screening Levels (ESLs). The ESLs are intended as a tool to screen or evaluate the chemical threats posed by contamination at a site.

Sites that are adequately characterized with chemical concentration data below the ESLs most likely do not pose a chemical threat. In some rare instances, there could be an exception resulting from cumulative risk where a large number of chemicals are present at a site, but individual chemical concentrations are just below the respective ESL. For a site where chemical concentrations exceed the ESLs, the site may pose a chemical threat and require further investigation or evaluation to better assess the threat. The ESLs do not address hazards such as asphyxiation or explosions. The ESLs are intended to be conservative, but reasonable. The main purpose of screening levels is to quickly enable users to distinguish which sites pose a significant threat. (SFBRWQCB, 2019)

In the discussion that follows, SL would pertain to one or all of the USEPA RSL, the DTSC screening level, and the SFBRWQCB ESL.

4.1 SOIL MATRIX SAMPLES

4.1.1 Volatile Organic Compounds (VOCs)

All soil matrix samples showed non-detectable levels of VOCs (See Table 1) and therefore below the SLs for VOCs. In the past, gasoline contained additives with organic lead compounds. Since no samples tested positive for VOCs, lead was not analyzed for.

4.1.2 Total Petroleum Hydrocarbons (TPH)

All soil matrix samples showed non-detectable levels of TPH (i.e., Gasoline Range Organics - GRO, Diesel Range Organics - DRO, and Oil Range Organics - ORO; See Table 1).

The USEPA and DTSC do not have SLs for TPH. However, the California Regional Water Quality Control Board (RWQCB) has Maximum Soil Screening Levels (MSSLs) for TPH for the protection of groundwater. The following information was taken from Table 4-1 of the Interim Site Assessment Cleanup Guidebook (California RWQCB, May 1996).

TPH CARBON RANGE	MAXIMUM SOIL SCREENING LEVELS (MSSLs) FOR TPH ABOVE DRINKING WATER AQUIFERS AT DEPTH BELOW GROUND SURFACE (BGS) mg/Kg		
	>150 ft BGS	20-150 ft BGS	<20 ft BGS
C4-C12	1,000	500	100
C13-C22	10,000	1,000	100
C23-C32	50,000	10,000	1,000

Since all soil matrix samples showed non-detectable TPH, TPH for all carbon ranges is below the MSSLs.

4.1.3 Polychlorinated Biphenyls (PCBs)

In the past, many in-ground hydraulic hoists such as those used in automotive repair shops contained hydraulic oil contaminated with PCBs. Because all soil matrix samples from boreholes B3 and B4 showed non-detectable levels of TPH, no samples were analyzed PCBs and are assumed to be non-detectable as well.

4.2 SOIL VAPOR SAMPLES

Table 2 above tabulates the subslab soil vapor sample analytical results. All samples showed non-detectable levels of VOCs. Therefore, predicted indoor air VOC levels would show zero levels of indoor air VOC levels if predictive computer models are used.

5.0 CONCLUSIONS AND RECOMMENDATIONS

No petroleum or suspicious chemical odor was noted in all borehole locations. No unusual colors in the soil were observed.

All soil matrix samples showed non-detectable levels of VOCs. Therefore, all results are below the Screening Levels (SLs) of DTSC, the USEPA, as well as the SFBRWQCB.

All soil matrix samples showed non-detectable levels of TPH (i.e., Gasoline Range Organics - GRO, Diesel Range Organics - DRO, and Oil Range Organics – ORO). Since all soil matrix samples showed non-detectable TPH, TPH for all carbon ranges is below the MSSLs.

In the past, many in-ground hydraulic hoists such as those used in automotive repair shops contained hydraulic oil contaminated with PCBs. Because all soil matrix samples from boreholes B3 and B4 showed non-detectable levels of TPH, no samples were analyzed PCBs and are assumed to be non-detectable as well.

All subslab soil vapor samples showed non-detectable levels of VOCs. Therefore, predicted indoor air VOC levels would show zero levels of indoor air VOC levels if predictive computer models are used. Indoor air intrusion due to VOCs is not suspected.

Based on the findings above, no further environmental investigation is recommended to be conducted.

6.0 LIMITATIONS

The conclusions presented in this report are based only on the observations made during the investigation of the results of sampling and laboratory analyses as well as from the available information provided by other sources. It should be noted that only a limited sampling was conducted and it is possible that other locations with contamination hot spots could have been missed. ENVIROASSESSORS, however, investigated the most likely areas where contamination could exist based upon information available to ENVIROASSESSORS.

The report presents a description of the conditions observed at the subject property during this investigation. The accuracy of conclusions drawn from findings is inherently dependent on the accuracy of the information that was provided. The environmental conditions may vary considerably from those observed during this investigation. Should any additional data become available, these data should be reviewed by ENVIROASSESSORS. Subsequently, the conclusions presented herein will be properly revised.

7.0 REFERENCES

California Environmental Protection Agency (CalEPA), Department of Toxic Substances Control (DTSC), Los Angeles Regional Water Quality Control Board (LARWQCB), San Francisco Regional Water Quality Control Board (SFRWQCB). July 2015. Advisory, Active Soil Gas Investigations.

Department of Toxic Substances Control (DTSC). October 11, 2011. Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air (Vapor Intrusion Guidance).

US Environmental Protection Agency (USEPA). Regional Screening Levels (RSLs) -- Generic Tables (May 2020). https://semspub.epa.gov/work/HQ/200043.pdf

California Department of Toxic Substances Control (DTSC). HERO HHRA Note 3, Release Date: June 2020.
https://dtsc.ca.gov/wp-content/uploads/sites/31/2019/04/HHRA-Note-3-June-2020-A.pdf

San Francisco Bay Regional Water Quality Control Board (SFBRWCB). Interim Final 2019 (Revision 1). User's Guide: Derivation and Application of Environmental Screening Levels (ESLs).

San Francisco Bay Regional Water Quality Control Board (SFBRWCB). July 25, 2019 (Revision 2). Environmental Screening Levels (ESLs).

California Regional Water Quality Control Board. May 1996. Interim Site Assessment & Cleanup Guidebook.

Enviroassessors, Inc.. March 17, 2021. Phase I Environmental Site Assessment of 301 E. Huntington Drive, Arcadia, CA 91006.

APPENDIX A – GPRS JOB SUMMARY

Job Summary

Job Date : 4/2/2021

Customer	Enviroassessors, Inc.	**Phone Number**	(626) 852-0777

Billing Address	City	State	Zip
527 N. Azusa Avenue, No. 177	Glendora	CA	91722

Job Details

Jobsite Location	301 E HUNTINGTON DRIVE
City	ARCADIA
State	CA

WA Number	257175
Job Num	SOUPLANTATION
PO Num	

Lead Technician	HANAHAN, RYAN	**Phone**	213-200-2878	**Email**	ryan.hanahan@gprsinc.com

Thank you for using GPRS on your project. We appreciate the opportunity to work with you. If you have questions regarding the results of this scanning, please contact the lead GPRS technician on this project.

EQUIPMENT USED

The following equipment was used on this project:

- Underground Scanning GPR antenna. Typically capable of detecting objects up to 8' deep or more in ideal conditions but maximum effective depth can vary widely and depends on site and soil conditions. Depth penetration is most commonly limited by moisture and clay/conductive soils. Depths provided should always be treated as estimates as their accuracy can be affected by multiple factors.
- Electromagnetic Pipe and Cable Locator. Detects electromagnetic fields. Used to actively trace conductive pipes and tracer wires, or passively detect power and radio signals traveling along conductive pipes and utilities. Depths provided should always be treated as estimates as their accuracy can be affected by multiple factors.
- Magnetometer. Detects ferromagnetic objects at depths up to 8' by detecting their magnetic fields. Effective at detecting well heads, buried manholes, and other iron objects.

Work Performed

Ground Penetrating Radar Systems performed the following work on this project:

Underground Utility

The scope of work included scanning the specified area to locate underground utilities. A tracer signal was sent along any accessible metallic utility or tracer wire, and the area was scanned with GPR to locate any additional targets. The locations of any detected utilities and anomalies were marked directly at the site with paint, flags, stakes, or other appropriate means, and results were reviewed with onsite personnel unless otherwise noted.

- The scope of work included scanning the areas around proposed soil borings. A radius of approximately 10' around each proposed soil boring was scanned unless otherwise noted. A total of 4 boring locations were scanned.
- Scan for underground utilities around 4 proposed soil boring locations

Job Summary

Job Date : 4/2/2021

- The effective depth of GPR will vary throughout a site depending on surface and soil conditions. In this area, the maximum effective GPR depth was approximately 2 feet.
- Cleared (4) 10'x10's for the client to drill soil borings in proposed locations. Our scan area was sprayed with white spray paint. We recommend staying within these borders otherwise have us back out for additional scanning. It's recommend to get every location USA'ed (811).

Underground Tanks

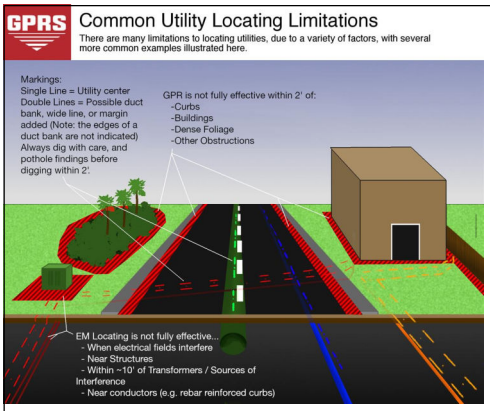
The scope of work included scanning the designated area to attempt to locate evidence of underground storage tanks and/or UST removal excavations. The locations of any UST's, associated piping, or excavations detected were marked with paint, flags, or other appropriate means, and results were reviewed with onsite personnel unless otherwise noted. The ability to locate these objects depends on the maximum depth penetration and soil conditions and non-metallic tanks can be especially difficult to locate.

- Scan entire site for Underground Storage Tank (UST).
- The effective depth of GPR will vary throughout a site depending on surface and soil conditions. In this area, the maximum effective GPR depth was approximately 2 feet.
- Based off of our GPR data, site visuals, and the magnetometer, we came to the conclusion to not suspect any UST's or disturbed soil.

Pictures

Job Summary

Job Date : 4/2/2021



Utility Limitations





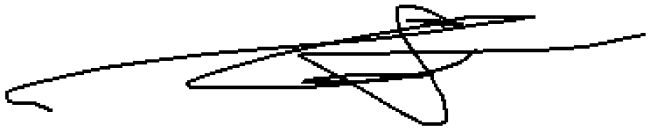
TERMS & CONDITIONS

http://www.gprsinc.com/termsandconditions.html

Job Summary

Job Date : 4/2/2021

SIGNATURE



Contact Name

Norman Sacro (626) 852-0777 Nnsacro@enviroassessors.com

Job Summary

Job Date : 4/2/2021

GPRS

1.866.914.4718 · GPRSINC.COM



UTILITY LOCATING

To ensure the overall timely success of your project, utility detection is critical to any construction project where subsurface excavation is planned. If this critical first step is ignored, the risk for injury increases, budget overruns can multiply and your schedule can be delayed.

VIDEO PIPE INSPECTION

Video Pipe Inspection (CCTV) is a service used to inspect underground water, sewer and lateral pipelines. VPI is a great tool for investigating cross-bores, structural faults and damages, and lateral line inspection.

CONCRETE SCANNING

With new build construction and renovation projects, the likelihood of needing to cut or core concrete is high. There is an inherent risk of striking rebar, conduits, and post tension cables during the cutting or coring process. Our industry-leading concrete scanning services can mitigate the risks associated with saw cutting and core drilling concrete slabs.

REPORTS & DRAWINGS

The goal of the GPRS Deliverables Department is to deliver clear and understandable findings with each of our outputs from field markings to field sketches, KMZ files, or CAD drawings that provide 2D site plans or even 3D CAD models. In addition, upon the completion of every project, our customers receive a job summary that includes job scope information, site photos, description of site conditions, equipment used, and notes from the project.

NATIONWIDE SERVICE

With team members located in every major metropolitan area in the U.S., we're just a short drive away from any project. Our footprint allows us to service all of your projects, nationwide.

RAPID RESPONSE

Time is always critical in any construction project. We understand this and have, accordingly, developed and perfected our operations to quickly and efficiently respond to our customers within 24-48 hours, or less.

CONSULTATIVE APPROACH

Our Project Managers are trained to ask questions and provide you with answers. This project-specific consultative approach - a GPRS trademark – helps us hone in on your subsurface issues and ensure we provide valuable problem-solving solutions to keep your job moving.

PROVEN RESULTS

GPRS deploys the best equipment, operated by skilled Project Managers, who know how to solve your subsurface locating issues. Since our inception, GPRS has completed hundreds of thousands of projects in North America. Our accuracy rate on these projects? Over 99%



APPENDIX B – SAMPLING LOCATIONS



Figure 1. Sampling Locations at 301 E. Huntington Dr., Arcadia, CA 91006

- Borehole location
- Sub-slab soil vapor sampling location

APPENDIX C – LABORATORY ANALYTICAL RESULTS

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Road, LA CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

09 April 2021

Norman N. Sacro

Enviroassessors, Inc.

1158 E. Route 66

Glendora, CA 91740

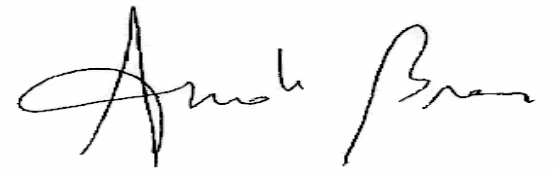
Work Order #: 2104016

Project Name: Souplantation

Project ID: 1146-332-01-0001

Site Address: 301 E. Huntington Dr. Arcadia, CA 9100

Enclosed are the results of analyses for samples received by the laboratory on April 02, 2021. If you have any questions concerning this report, please feel free to contact us.



Molky Brar

Laboratory Director

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.
2) ASL is not responsible for any consequences resulting from any inaccuracies , omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

CHAIN OF CUSTODY RECORD

COC# No. 86693 GLOBAL ID _____ E REPORT: ☒ PDF ☐ EDF ☐ EDD ASL JOB# 2104016

Company: Enviroassessors, Inc.	Report To: Enviroassessors, Inc.
Address: 527 N. Azusa Ave, #177 Covina, CA 91722	Project Name: Souplantation
Telephone: (626) 852-0777 Fax:	Site Address: 301 E. Huntington Dr. Arcadia, CA 91006
Special Instruction: Please email results once available	Project ID: 1146-332-01-0001
E-mail: hnsacro@enviroassessors.com	Project Manager: Norman N. Sacro
	Address:
	Invoice To: Enviroassessors, Inc.
	Address:
	P.O.#:

ANALYSIS REQUESTED

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Type	Matrix	Preservation	VOCs EPA 8260 B	TPH with carbon chain ID: C4-C12; C13-C22; C23-C32+ EPA 8015	Total Pb *	PCBs EPA 8082 **	Remarks
	2104016-01	SB1-5	4-2-2021		1	Acetate tube	Soil	Iced	✓	✓			* Analyze 2 samples with highest VOCs
	2104016-02	SB1-10											
	2104016-03	SB1-20											
	2104016-04	SB2-5											
	2104016-05	SB2-10											
	2104016-06	SB2-20							↓				
	2104016-07	SB3-5											** Analyze samples that test positive for C13-C22 or C23-C32+
	2104016-08	SB3-12											
	2104016-09	SB4-5											
	2104016-10	SB4-12											

Collected By: [signature]	Date 4-2-2021	Time	Relinquished By: Date Time
Relinquished By: [signature]	Date 4-2-2021	Time 1:11 pm	Received For Laboratory [signature] Date 4-2-21 Time 1321
Received By:	Date	Time	Condition of Sample:

TAT ☒ Normal ☐ Rush

White - Report, Yellow - Laboratory, Pink - Client

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

CHAIN OF CUSTODY RECORD

COC# No. 86692 GLOBAL ID _____ E REPORT: ☒ PDF ☐ EDF ☐ EDD ASL JOB# 2104016

Company: Environ assessors, Inc.
Address:
Telephone:
Fax:
Special Instruction: see page 1 of 2
E-mail:

Project Name:
Site Address:
Project ID: 1146-332-01-0001
Project Manager:

Report To:
Address:
Invoice To:
Address:
P.O.#:

ANALYSIS REQUESTED: 8260B - VOCs

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Type	Matrix	Preservation	Remarks
	2104016-11	SV-1	4-2-2021	1018	1	Tedlar bag	Air (Soil Vapor)	None	✓ Analyze
	2104016-12	SV-2	↓	1012	↓	↓	↓	↓	↓ using low detection limits
	2104016-13	SV-3	↓	1035	↓	↓	↓	↓	↓

Collected By: _____ Date 4-2-2021 Time
Relinquished By: _____ Date 4-2-2021 Time 0100 pm
Received By: Date Time

Relinquished By: Date Time
Received For Laboratory: _____ Date 4-2-21 Time 1321
Condition of Sample:

TAT: ☒ Normal ☐ Rush

White - Report, Yellow - Laboratory, Pink - Client

Job# 2104016

ASL Sample Receipt Form

Client: Environassessors, Inc

Date: 4-02-2021

Sample Information:

Temperature: 5.4 °C ☐ Blank ☒ Sample

Custody Seal: ☐ Yes ☒ No ☐ Not Available

Received Within Holding Time: ☒ Yes ☐ No

Container:

Proper Containers and Sufficient Volume: ☒ Yes ☐ No

Soil: ☐ 4oz ☐ 8oz 10 ☒ Sleeve ☐ VOA

Water: ☐ 500AG ☐ 1AG ☐ 125PB ☐ 250PB ☐ 500PB ☐ VOA ☐ Other _____

Air: 3 ☒ Tedlar®

Sample Containers Intact: ☒ Yes ☐ No

Trip Blank ☐ Yes ☒ No

Chain-of-Custody (COC):

Received: ☒ Yes ☐ No

Samplers Name: ☒ Yes ☐ No

Container Labels match COC: ☒ Yes ☐ No

COC documents received complete: ☒ Yes ☐ No

Proper Preservation Noted: ☐ Yes ☒ No

Completed By: Janet Chin

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Road, LA CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

Enviroassessors, Inc.	Project: Souplantation	Work Order No: 2104016
1158 E. Route 66	Project Number: 1146-332-01-0001	**Reported:**
Glendora CA, 91740	Project Manager: Norman N. Sacro	04/09/2021 15:40

ANALYTICAL SUMMARY REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB1-5	2104016-01	Solid	04/02/2021 00:00	04/02/2021 13:21
SB1-10	2104016-02	Solid	04/02/2021 00:00	04/02/2021 13:21
SB1-20	2104016-03	Solid	04/02/2021 00:00	04/02/2021 13:21
SB2-5	2104016-04	Solid	04/02/2021 00:00	04/02/2021 13:21
SB2-10	2104016-05	Solid	04/02/2021 00:00	04/02/2021 13:21
SB2-20	2104016-06	Solid	04/02/2021 00:00	04/02/2021 13:21
SB3-5	2104016-07	Solid	04/02/2021 00:00	04/02/2021 13:21
SB3-12	2104016-08	Solid	04/02/2021 00:00	04/02/2021 13:21
SB4-5	2104016-09	Solid	04/02/2021 00:00	04/02/2021 13:21
SB4-12	2104016-10	Solid	04/02/2021 00:00	04/02/2021 13:21
SV-1	2104016-11	Air	04/02/2021 10:18	04/02/2021 13:21
SV-2	2104016-12	Air	04/02/2021 10:12	04/02/2021 13:21
SV-3	2104016-13	Air	04/02/2021 10:35	04/02/2021 13:21

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Amolk Brar, Lab Director

American Scientific Laboratories, LLC
Environmental Testing Services
2520 N. San Fernando Road, LA CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

Enviroassessors, Inc.	Project: Souplantation	Work Order No: 2104016
1158 E. Route 66	Project Number: 1146-332-01-0001	**Reported:**
Glendora CA, 91740	Project Manager: Norman N. Sacro	04/09/2021 15:40

Analytical Results

Client Sample ID: SB1-5

Laboratory Sample ID: 2104016-01 (Solid)

Analyte	Result	Notes	MDL	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Total Petroleum Hydrocarbons(TPH-g)				Batch ID: BD10255			Prepared: 04/05/2021 09:00			
TPH GROs (C4-C12)	ND		250	500	ug/kg	1	5030A	04/05/2021 19:38	SA	8015B
Surrogate: 4-Bromofluorobenzene			*79.0 %*	*70-120*			5030A	04/05/2021 19:38	SA	*8015B*
Total Petroleum Hydrocarbons(TPH DROORO)				Batch ID: BD10337			Prepared: 04/05/2021 09:00			
TPH DROs (C13-C22)	ND		1.00	10.0	mg/kg	1	3550B	04/05/2021 20:03	SL	8015B
TPH OROs (C23-C32)	ND		17.0	50.0	mg/kg	1	3550B	04/05/2021 20:03	SL	8015B
Surrogate: Chlorobenzene			*113 %*	*70-120*			3550B	04/05/2021 20:03	SL	*8015B*
Volatile Organic Compounds				Batch ID: BD10325			Prepared: 04/05/2021 09:00			
Acetone	ND		12.7	50.0	ug/kg	1	5030A	04/05/2021 14:37	SA	8260B
Benzene	ND		0.930	2.00	ug/kg	1	5030A	04/05/2021 14:37	SA	8260B
Bromobenzene	ND		3.39	10.0	ug/kg	1	5030A	04/05/2021 14:37	SA	8260B
Bromochloromethane	ND		0.380	10.0	ug/kg	1	5030A	04/05/2021 14:37	SA	8260B
Bromodichloromethane	ND		0.630	10.0	ug/kg	1	5030A	04/05/2021 14:37	SA	8260B
Bromoform	ND		3.39	50.0	ug/kg	1	5030A	04/05/2021 14:37	SA	8260B
Bromomethane	ND		2.75	30.0	ug/kg	1	5030A	04/05/2021 14:37	SA	8260B
2-Butanone	ND		5.83	50.0	ug/kg	1	5030A	04/05/2021 14:37	SA	8260B
n-Butylbenzene	ND		2.05	10.0	ug/kg	1	5030A	04/05/2021 14:37	SA	8260B
sec-Butylbenzene	ND		3.04	10.0	ug/kg	1	5030A	04/05/2021 14:37	SA	8260B
tert-Butylbenzene	ND		1.34	10.0	ug/kg	1	5030A	04/05/2021 14:37	SA	8260B
Carbon disulfide	ND		5.53	10.0	ug/kg	1	5030A	04/05/2021 14:37	SA	8260B
Carbon tetrachloride	ND		2.48	10.0	ug/kg	1	5030A	04/05/2021 14:37	SA	8260B
Chlorobenzene	ND		0.890	10.0	ug/kg	1	5030A	04/05/2021 14:37	SA	8260B
Chloroethane	ND		2.15	30.0	ug/kg	1	5030A	04/05/2021 14:37	SA	8260B
2-Chloroethylvinyl Ether	ND		5.53	50.0	ug/kg	1	5030A	04/05/2021 14:37	SA	8260B
Chloroform	ND		1.24	10.0	ug/kg	1	5030A	04/05/2021 14:37	SA	8260B
Chloromethane	ND		1.74	30.0	ug/kg	1	5030A	04/05/2021 14:37	SA	8260B
4-Chlorotoluene	ND		1.34	10.0	ug/kg	1	5030A	04/05/2021 14:37	SA	8260B
2-Chlorotoluene	ND		2.35	10.0	ug/kg	1	5030A	04/05/2021 14:37	SA	8260B
1,2-Dibromo-3-chloropropane	ND		2.69	50.0	ug/kg	1	5030A	04/05/2021 14:37	SA	8260B
Dibromochloromethane	ND		0.650	10.0	ug/kg	1	5030A	04/05/2021 14:37	SA	8260B
1,2-Dibromoethane	ND		2.75	10.0	ug/kg	1	5030A	04/05/2021 14:37	SA	8260B
Dibromomethane	ND		2.30	10.0	ug/kg	1	5030A	04/05/2021 14:37	SA	8260B
1,2-Dichlorobenzene	ND		1.65	10.0	ug/kg	1	5030A	04/05/2021 14:37	SA	8260B
1,3-Dichlorobenzene	ND		1.03	10.0	ug/kg	1	5030A	04/05/2021 14:37	SA	8260B
1,4-Dichlorobenzene	ND		2.23	10.0	ug/kg	1	5030A	04/05/2021 14:37	SA	8260B

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Amolk Brar, Lab Director

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Road, LA CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

Enviroassessors, Inc.	Project: Souplantation	Work Order No: 2104016
1158 E. Route 66	Project Number: 1146-332-01-0001	**Reported:**
Glendora CA, 91740	Project Manager: Norman N. Sacro	04/09/2021 15:40

Analytical Results

Client Sample ID: SB1-5

Laboratory Sample ID: 2104016-01 (Solid)

Analyte	Result	Notes	MDL	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Volatile Organic Compounds				Batch ID: BD10325			Prepared: 04/05/2021 09:00			
Dichlorodifluoromethane	ND		2.07	30.0	ug/kg	1	5030A	04/05/2021 14:37	SA	8260B
1,1-Dichloroethane	ND		1.30	10.0	ug/kg	1	5030A	04/05/2021 14:37	SA	8260B
1,2-Dichloroethane	ND		1.57	10.0	ug/kg	1	5030A	04/05/2021 14:37	SA	8260B
1,1-Dichloroethene	ND		1.60	10.0	ug/kg	1	5030A	04/05/2021 14:37	SA	8260B
cis-1,2-Dichloroethene	ND		2.16	10.0	ug/kg	1	5030A	04/05/2021 14:37	SA	8260B
trans-1,2-Dichloroethene	ND		2.60	10.0	ug/kg	1	5030A	04/05/2021 14:37	SA	8260B
1,1-Dichloropropene	ND		0.660	10.0	ug/kg	1	5030A	04/05/2021 14:37	SA	8260B
1,2-Dichloropropane	ND		0.920	10.0	ug/kg	1	5030A	04/05/2021 14:37	SA	8260B
1,3-Dichloropropane	ND		1.36	10.0	ug/kg	1	5030A	04/05/2021 14:37	SA	8260B
2,2-Dichloropropane	ND		1.12	10.0	ug/kg	1	5030A	04/05/2021 14:37	SA	8260B
cis-1,3-Dichloropropene	ND		0.980	10.0	ug/kg	1	5030A	04/05/2021 14:37	SA	8260B
trans-1,3-Dichloropropene	ND		0.960	10.0	ug/kg	1	5030A	04/05/2021 14:37	SA	8260B
Ethylbenzene	ND		1.00	2.00	ug/kg	1	5030A	04/05/2021 14:37	SA	8260B
Hexachlorobutadiene	ND		2.77	30.0	ug/kg	1	5030A	04/05/2021 14:37	SA	8260B
2-Hexanone	ND		3.18	50.0	ug/kg	1	5030A	04/05/2021 14:37	SA	8260B
Isopropylbenzene	ND		1.42	10.0	ug/kg	1	5030A	04/05/2021 14:37	SA	8260B
p-Isopropyltoluene	ND		3.86	10.0	ug/kg	1	5030A	04/05/2021 14:37	SA	8260B
Methyl tert-Butyl Ether (MTBE)	ND		1.81	5.00	ug/kg	1	5030A	04/05/2021 14:37	SA	8260B
4-Methyl-2-pentanone (MIBK)	ND		3.14	50.0	ug/kg	1	5030A	04/05/2021 14:37	SA	8260B
Methylene chloride	ND		3.31	50.0	ug/kg	1	5030A	04/05/2021 14:37	SA	8260B
Naphthalene	ND		1.14	10.0	ug/kg	1	5030A	04/05/2021 14:37	SA	8260B
n-Propylbenzene	ND		1.14	10.0	ug/kg	1	5030A	04/05/2021 14:37	SA	8260B
Styrene	ND		0.800	10.0	ug/kg	1	5030A	04/05/2021 14:37	SA	8260B
1,1,1,2-Tetrachloroethane	ND		1.28	10.0	ug/kg	1	5030A	04/05/2021 14:37	SA	8260B
1,1,2,2-Tetrachloroethane	ND		3.25	10.0	ug/kg	1	5030A	04/05/2021 14:37	SA	8260B
Tetrachloroethene	ND		0.930	10.0	ug/kg	1	5030A	04/05/2021 14:37	SA	8260B
Toluene	ND		1.00	2.00	ug/kg	1	5030A	04/05/2021 14:37	SA	8260B
1,2,3-Trichlorobenzene	ND		1.23	10.0	ug/kg	1	5030A	04/05/2021 14:37	SA	8260B
1,2,4-Trichlorobenzene	ND		2.82	10.0	ug/kg	1	5030A	04/05/2021 14:37	SA	8260B
1,1,1-Trichloroethane	ND		2.03	10.0	ug/kg	1	5030A	04/05/2021 14:37	SA	8260B
1,1,2-Trichloroethane	ND		1.74	10.0	ug/kg	1	5030A	04/05/2021 14:37	SA	8260B
Trichloroethene	ND		1.15	10.0	ug/kg	1	5030A	04/05/2021 14:37	SA	8260B
Trichlorofluoromethane	ND		3.15	10.0	ug/kg	1	5030A	04/05/2021 14:37	SA	8260B
1,2,3-Trichloropropane	ND		1.74	10.0	ug/kg	1	5030A	04/05/2021 14:37	SA	8260B
1,2,4-Trimethylbenzene	ND		3.19	10.0	ug/kg	1	5030A	04/05/2021 14:37	SA	8260B
1,3,5- Trimethylbenzene	ND		1.23	10.0	ug/kg	1	5030A	04/05/2021 14:37	SA	8260B

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Environmental Testing Services
2520 N. San Fernando Road, LA CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

Enviroassessors, Inc.	Project: Souplantation	Work Order No: 2104016
1158 E. Route 66	Project Number: 1146-332-01-0001	**Reported:**
Glendora CA, 91740	Project Manager: Norman N. Sacro	04/09/2021 15:40

Analytical Results

Client Sample ID: SB1-5

Laboratory Sample ID: 2104016-01 (Solid)

Analyte	Result	Notes	MDL	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Volatile Organic Compounds					Batch ID: BD10325		Prepared: 04/05/2021 09:00			
Vinyl acetate	ND		10.8	50.0	ug/kg	1	5030A	04/05/2021 14:37	SA	8260B
Vinyl chloride	ND		2.79	30.0	ug/kg	1	5030A	04/05/2021 14:37	SA	8260B
m,p-Xylenes	ND		1.80	4.00	ug/kg	1	5030A	04/05/2021 14:37	SA	8260B
o-Xylene	ND		1.00	2.00	ug/kg	1	5030A	04/05/2021 14:37	SA	8260B
Surrogate: 4-Bromofluorobenzene			*92.9 %*		*70-120*		5030A	04/05/2021 14:37	SA	*8260B*
Surrogate: Dibromofluoromethane			*86.4 %*		*70-120*		5030A	04/05/2021 14:37	SA	*8260B*
Surrogate: Toluene-d8			*101 %*		*70-120*		5030A	04/05/2021 14:37	SA	*8260B*

Analytical Results

Client Sample ID: SB1-10

Laboratory Sample ID: 2104016-02 (Solid)

Analyte	Result	Notes	MDL	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Total Petroleum Hydrocarbons(TPH-g)					Batch ID: BD10255		Prepared: 04/05/2021 09:00			
TPH GROs (C4-C12)	ND		250	500	ug/kg	1	5030A	04/05/2021 20:06	SA	8015B
Surrogate: 4-Bromofluorobenzene			*78.9 %*		*70-120*		5030A	04/05/2021 20:06	SA	*8015B*
Total Petroleum Hydrocarbons(TPH DROORO)					Batch ID: BD10337		Prepared: 04/05/2021 09:00			
TPH DROs (C13-C22)	ND		1.00	10.0	mg/kg	1	3550B	04/05/2021 20:44	SL	8015B
TPH OROs (C23-C32)	ND		17.0	50.0	mg/kg	1	3550B	04/05/2021 20:44	SL	8015B
Surrogate: Chlorobenzene			*111 %*		*70-120*		3550B	04/05/2021 20:44	SL	*8015B*
Volatile Organic Compounds					Batch ID: BD10325		Prepared: 04/05/2021 09:00			
Acetone	ND		12.7	50.0	ug/kg	1	5030A	04/05/2021 15:08	SA	8260B
Benzene	ND		0.930	2.00	ug/kg	1	5030A	04/05/2021 15:08	SA	8260B
Bromobenzene	ND		3.39	10.0	ug/kg	1	5030A	04/05/2021 15:08	SA	8260B
Bromochloromethane	ND		0.380	10.0	ug/kg	1	5030A	04/05/2021 15:08	SA	8260B
Bromodichloromethane	ND		0.630	10.0	ug/kg	1	5030A	04/05/2021 15:08	SA	8260B
Bromoform	ND		3.39	50.0	ug/kg	1	5030A	04/05/2021 15:08	SA	8260B
Bromomethane	ND		2.75	30.0	ug/kg	1	5030A	04/05/2021 15:08	SA	8260B
2-Butanone	ND		5.83	50.0	ug/kg	1	5030A	04/05/2021 15:08	SA	8260B
n-Butylbenzene	ND		2.05	10.0	ug/kg	1	5030A	04/05/2021 15:08	SA	8260B
sec-Butylbenzene	ND		3.04	10.0	ug/kg	1	5030A	04/05/2021 15:08	SA	8260B
tert-Butylbenzene	ND		1.34	10.0	ug/kg	1	5030A	04/05/2021 15:08	SA	8260B
Carbon disulfide	ND		5.53	10.0	ug/kg	1	5030A	04/05/2021 15:08	SA	8260B

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American Scientific Laboratories, LLC
Environmental Testing Services
2520 N. San Fernando Road, LA CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

Enviroassessors, Inc.	Project: Souplantation	Work Order No: 2104016
1158 E. Route 66	Project Number: 1146-332-01-0001	**Reported:**
Glendora CA, 91740	Project Manager: Norman N. Sacro	04/09/2021 15:40

Analytical Results

Client Sample ID: SB1-10

Laboratory Sample ID: 2104016-02 (Solid)

Analyte	Result	Notes	MDL	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Volatile Organic Compounds				Batch ID: BD10325			Prepared: 04/05/2021 09:00			
Carbon tetrachloride	ND		2.48	10.0	ug/kg	1	5030A	04/05/2021 15:08	SA	8260B
Chlorobenzene	ND		0.890	10.0	ug/kg	1	5030A	04/05/2021 15:08	SA	8260B
Chloroethane	ND		2.15	30.0	ug/kg	1	5030A	04/05/2021 15:08	SA	8260B
2-Chloroethylvinyl Ether	ND		5.53	50.0	ug/kg	1	5030A	04/05/2021 15:08	SA	8260B
Chloroform	ND		1.24	10.0	ug/kg	1	5030A	04/05/2021 15:08	SA	8260B
Chloromethane	ND		1.74	30.0	ug/kg	1	5030A	04/05/2021 15:08	SA	8260B
4-Chlorotoluene	ND		1.34	10.0	ug/kg	1	5030A	04/05/2021 15:08	SA	8260B
2-Chlorotoluene	ND		2.35	10.0	ug/kg	1	5030A	04/05/2021 15:08	SA	8260B
1,2-Dibromo-3-chloropropane	ND		2.69	50.0	ug/kg	1	5030A	04/05/2021 15:08	SA	8260B
Dibromochloromethane	ND		0.650	10.0	ug/kg	1	5030A	04/05/2021 15:08	SA	8260B
1,2-Dibromoethane	ND		2.75	10.0	ug/kg	1	5030A	04/05/2021 15:08	SA	8260B
Dibromomethane	ND		2.30	10.0	ug/kg	1	5030A	04/05/2021 15:08	SA	8260B
1,2-Dichlorobenzene	ND		1.65	10.0	ug/kg	1	5030A	04/05/2021 15:08	SA	8260B
1,3-Dichlorobenzene	ND		1.03	10.0	ug/kg	1	5030A	04/05/2021 15:08	SA	8260B
1,4-Dichlorobenzene	ND		2.23	10.0	ug/kg	1	5030A	04/05/2021 15:08	SA	8260B
Dichlorodifluoromethane	ND		2.07	30.0	ug/kg	1	5030A	04/05/2021 15:08	SA	8260B
1,1-Dichloroethane	ND		1.30	10.0	ug/kg	1	5030A	04/05/2021 15:08	SA	8260B
1,2-Dichloroethane	ND		1.57	10.0	ug/kg	1	5030A	04/05/2021 15:08	SA	8260B
1,1-Dichloroethene	ND		1.60	10.0	ug/kg	1	5030A	04/05/2021 15:08	SA	8260B
cis-1,2-Dichloroethene	ND		2.16	10.0	ug/kg	1	5030A	04/05/2021 15:08	SA	8260B
trans-1,2-Dichloroethene	ND		2.60	10.0	ug/kg	1	5030A	04/05/2021 15:08	SA	8260B
1,1-Dichloropropene	ND		0.660	10.0	ug/kg	1	5030A	04/05/2021 15:08	SA	8260B
1,2-Dichloropropane	ND		0.920	10.0	ug/kg	1	5030A	04/05/2021 15:08	SA	8260B
1,3-Dichloropropane	ND		1.36	10.0	ug/kg	1	5030A	04/05/2021 15:08	SA	8260B
2,2-Dichloropropane	ND		1.12	10.0	ug/kg	1	5030A	04/05/2021 15:08	SA	8260B
cis-1,3-Dichloropropene	ND		0.980	10.0	ug/kg	1	5030A	04/05/2021 15:08	SA	8260B
trans-1,3-Dichloropropene	ND		0.960	10.0	ug/kg	1	5030A	04/05/2021 15:08	SA	8260B
Ethylbenzene	ND		1.00	2.00	ug/kg	1	5030A	04/05/2021 15:08	SA	8260B
Hexachlorobutadiene	ND		2.77	30.0	ug/kg	1	5030A	04/05/2021 15:08	SA	8260B
2-Hexanone	ND		3.18	50.0	ug/kg	1	5030A	04/05/2021 15:08	SA	8260B
Isopropylbenzene	ND		1.42	10.0	ug/kg	1	5030A	04/05/2021 15:08	SA	8260B
p-Isopropyltoluene	ND		3.86	10.0	ug/kg	1	5030A	04/05/2021 15:08	SA	8260B
Methyl tert-Butyl Ether (MTBE)	ND		1.81	5.00	ug/kg	1	5030A	04/05/2021 15:08	SA	8260B
4-Methyl-2-pentanone (MIBK)	ND		3.14	50.0	ug/kg	1	5030A	04/05/2021 15:08	SA	8260B
Methylene chloride	ND		3.31	50.0	ug/kg	1	5030A	04/05/2021 15:08	SA	8260B
Naphthalene	ND		1.14	10.0	ug/kg	1	5030A	04/05/2021 15:08	SA	8260B

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Environmental Testing Services
2520 N. San Fernando Road, LA CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

Enviroassessors, Inc.	Project: Souplantation	Work Order No: 2104016
1158 E. Route 66	Project Number: 1146-332-01-0001	**Reported:**
Glendora CA, 91740	Project Manager: Norman N. Sacro	04/09/2021 15:40

Analytical Results

Client Sample ID: SB1-10

Laboratory Sample ID: 2104016-02 (Solid)

Analyte	Result	Notes	MDL	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Volatile Organic Compounds				Batch ID: BD10325			Prepared: 04/05/2021 09:00			
n-Propylbenzene	ND		1.14	10.0	ug/kg	1	5030A	04/05/2021 15:08	SA	8260B
Styrene	ND		0.800	10.0	ug/kg	1	5030A	04/05/2021 15:08	SA	8260B
1,1,1,2-Tetrachloroethane	ND		1.28	10.0	ug/kg	1	5030A	04/05/2021 15:08	SA	8260B
1,1,2,2-Tetrachloroethane	ND		3.25	10.0	ug/kg	1	5030A	04/05/2021 15:08	SA	8260B
Tetrachloroethene	ND		0.930	10.0	ug/kg	1	5030A	04/05/2021 15:08	SA	8260B
Toluene	ND		1.00	2.00	ug/kg	1	5030A	04/05/2021 15:08	SA	8260B
1,2,3-Trichlorobenzene	ND		1.23	10.0	ug/kg	1	5030A	04/05/2021 15:08	SA	8260B
1,2,4-Trichlorobenzene	ND		2.82	10.0	ug/kg	1	5030A	04/05/2021 15:08	SA	8260B
1,1,1-Trichloroethane	ND		2.03	10.0	ug/kg	1	5030A	04/05/2021 15:08	SA	8260B
1,1,2-Trichloroethane	ND		1.74	10.0	ug/kg	1	5030A	04/05/2021 15:08	SA	8260B
Trichloroethene	ND		1.15	10.0	ug/kg	1	5030A	04/05/2021 15:08	SA	8260B
Trichlorofluoromethane	ND		3.15	10.0	ug/kg	1	5030A	04/05/2021 15:08	SA	8260B
1,2,3-Trichloropropane	ND		1.74	10.0	ug/kg	1	5030A	04/05/2021 15:08	SA	8260B
1,2,4-Trimethylbenzene	ND		3.19	10.0	ug/kg	1	5030A	04/05/2021 15:08	SA	8260B
1,3,5- Trimethylbenzene	ND		1.23	10.0	ug/kg	1	5030A	04/05/2021 15:08	SA	8260B
Vinyl acetate	ND		10.8	50.0	ug/kg	1	5030A	04/05/2021 15:08	SA	8260B
Vinyl chloride	ND		2.79	30.0	ug/kg	1	5030A	04/05/2021 15:08	SA	8260B
m,p-Xylenes	ND		1.80	4.00	ug/kg	1	5030A	04/05/2021 15:08	SA	8260B
o-Xylene	ND		1.00	2.00	ug/kg	1	5030A	04/05/2021 15:08	SA	8260B
Surrogate: 4-Bromofluorobenzene			*94.1 %*	*70-120*			5030A	04/05/2021 15:08	SA	*8260B*
Surrogate: Dibromofluoromethane			*88.4 %*	*70-120*			5030A	04/05/2021 15:08	SA	*8260B*
Surrogate: Toluene-d8			*102 %*	*70-120*			5030A	04/05/2021 15:08	SA	*8260B*

Analytical Results

Client Sample ID: SB1-20

Laboratory Sample ID: 2104016-03 (Solid)

Analyte	Result	Notes	MDL	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Total Petroleum Hydrocarbons(TPH-g)				Batch ID: BD10255			Prepared: 04/05/2021 09:00			
TPH GROs (C4-C12)	ND		250	500	ug/kg	1	5030A	04/05/2021 20:33	SA	8015B
Surrogate: 4-Bromofluorobenzene			*87.8 %*	*70-120*			5030A	04/05/2021 20:33	SA	*8015B*
Total Petroleum Hydrocarbons(TPH DROORO)				Batch ID: BD10337			Prepared: 04/05/2021 09:00			
TPH DROs (C13-C22)	ND		1.00	10.0	mg/kg	1	3550B	04/05/2021 21:25	SL	8015B
TPH OROs (C23-C32)	ND		17.0	50.0	mg/kg	1	3550B	04/05/2021 21:25	SL	8015B

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Amolk Brar, Lab Director

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Environmental Testing Services
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Enviroassessors, Inc.	Project: Souplantation	Work Order No: 2104016
1158 E. Route 66	Project Number: 1146-332-01-0001	**Reported:**
Glendora CA, 91740	Project Manager: Norman N. Sacro	04/09/2021 15:40

Analytical Results

Client Sample ID: SB1-20

Laboratory Sample ID: 2104016-03 (Solid)

Analyte	Result	Notes	MDL	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Total Petroleum Hydrocarbons(TPH DROORO)				Batch ID: BD10337			Prepared: 04/05/2021 09:00			
Surrogate: Chlorobenzene			*111 %*	*70-120*			3550B	04/05/2021 21:25	SL	*8015B*
Volatile Organic Compounds				Batch ID: BD10325			Prepared: 04/05/2021 09:00			
Acetone	ND		12.7	50.0	ug/kg	1	5030A	04/05/2021 15:40	SA	8260B
Benzene	ND		0.930	2.00	ug/kg	1	5030A	04/05/2021 15:40	SA	8260B
Bromobenzene	ND		3.39	10.0	ug/kg	1	5030A	04/05/2021 15:40	SA	8260B
Bromochloromethane	ND		0.380	10.0	ug/kg	1	5030A	04/05/2021 15:40	SA	8260B
Bromodichloromethane	ND		0.630	10.0	ug/kg	1	5030A	04/05/2021 15:40	SA	8260B
Bromoform	ND		3.39	50.0	ug/kg	1	5030A	04/05/2021 15:40	SA	8260B
Bromomethane	ND		2.75	30.0	ug/kg	1	5030A	04/05/2021 15:40	SA	8260B
2-Butanone	ND		5.83	50.0	ug/kg	1	5030A	04/05/2021 15:40	SA	8260B
n-Butylbenzene	ND		2.05	10.0	ug/kg	1	5030A	04/05/2021 15:40	SA	8260B
sec-Butylbenzene	ND		3.04	10.0	ug/kg	1	5030A	04/05/2021 15:40	SA	8260B
tert-Butylbenzene	ND		1.34	10.0	ug/kg	1	5030A	04/05/2021 15:40	SA	8260B
Carbon disulfide	ND		5.53	10.0	ug/kg	1	5030A	04/05/2021 15:40	SA	8260B
Carbon tetrachloride	ND		2.48	10.0	ug/kg	1	5030A	04/05/2021 15:40	SA	8260B
Chlorobenzene	ND		0.890	10.0	ug/kg	1	5030A	04/05/2021 15:40	SA	8260B
Chloroethane	ND		2.15	30.0	ug/kg	1	5030A	04/05/2021 15:40	SA	8260B
2-Chloroethylvinyl Ether	ND		5.53	50.0	ug/kg	1	5030A	04/05/2021 15:40	SA	8260B
Chloroform	ND		1.24	10.0	ug/kg	1	5030A	04/05/2021 15:40	SA	8260B
Chloromethane	ND		1.74	30.0	ug/kg	1	5030A	04/05/2021 15:40	SA	8260B
4-Chlorotoluene	ND		1.34	10.0	ug/kg	1	5030A	04/05/2021 15:40	SA	8260B
2-Chlorotoluene	ND		2.35	10.0	ug/kg	1	5030A	04/05/2021 15:40	SA	8260B
1,2-Dibromo-3-chloropropane	ND		2.69	50.0	ug/kg	1	5030A	04/05/2021 15:40	SA	8260B
Dibromochloromethane	ND		0.650	10.0	ug/kg	1	5030A	04/05/2021 15:40	SA	8260B
1,2-Dibromoethane	ND		2.75	10.0	ug/kg	1	5030A	04/05/2021 15:40	SA	8260B
Dibromomethane	ND		2.30	10.0	ug/kg	1	5030A	04/05/2021 15:40	SA	8260B
1,2-Dichlorobenzene	ND		1.65	10.0	ug/kg	1	5030A	04/05/2021 15:40	SA	8260B
1,3-Dichlorobenzene	ND		1.03	10.0	ug/kg	1	5030A	04/05/2021 15:40	SA	8260B
1,4-Dichlorobenzene	ND		2.23	10.0	ug/kg	1	5030A	04/05/2021 15:40	SA	8260B
Dichlorodifluoromethane	ND		2.07	30.0	ug/kg	1	5030A	04/05/2021 15:40	SA	8260B
1,1-Dichloroethane	ND		1.30	10.0	ug/kg	1	5030A	04/05/2021 15:40	SA	8260B
1,2-Dichloroethane	ND		1.57	10.0	ug/kg	1	5030A	04/05/2021 15:40	SA	8260B
1,1-Dichloroethene	ND		1.60	10.0	ug/kg	1	5030A	04/05/2021 15:40	SA	8260B
cis-1,2-Dichloroethene	ND		2.16	10.0	ug/kg	1	5030A	04/05/2021 15:40	SA	8260B
trans-1,2-Dichloroethene	ND		2.60	10.0	ug/kg	1	5030A	04/05/2021 15:40	SA	8260B

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Amolk Brar, Lab Director

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Environmental Testing Services
2520 N. San Fernando Road, LA CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

Enviroassessors, Inc.	Project: Souplantation	Work Order No: 2104016
1158 E. Route 66	Project Number: 1146-332-01-0001	**Reported:**
Glendora CA, 91740	Project Manager: Norman N. Sacro	04/09/2021 15:40

Analytical Results

Client Sample ID: SB1-20

Laboratory Sample ID: 2104016-03 (Solid)

Analyte	Result	Notes	MDL	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Volatile Organic Compounds				Batch ID: BD10325			Prepared: 04/05/2021 09:00			
1,1-Dichloropropene	ND		0.660	10.0	ug/kg	1	5030A	04/05/2021 15:40	SA	8260B
1,2-Dichloropropane	ND		0.920	10.0	ug/kg	1	5030A	04/05/2021 15:40	SA	8260B
1,3-Dichloropropane	ND		1.36	10.0	ug/kg	1	5030A	04/05/2021 15:40	SA	8260B
2,2-Dichloropropane	ND		1.12	10.0	ug/kg	1	5030A	04/05/2021 15:40	SA	8260B
cis-1,3-Dichloropropene	ND		0.980	10.0	ug/kg	1	5030A	04/05/2021 15:40	SA	8260B
trans-1,3-Dichloropropene	ND		0.960	10.0	ug/kg	1	5030A	04/05/2021 15:40	SA	8260B
Ethylbenzene	ND		1.00	2.00	ug/kg	1	5030A	04/05/2021 15:40	SA	8260B
Hexachlorobutadiene	ND		2.77	30.0	ug/kg	1	5030A	04/05/2021 15:40	SA	8260B
2-Hexanone	ND		3.18	50.0	ug/kg	1	5030A	04/05/2021 15:40	SA	8260B
Isopropylbenzene	ND		1.42	10.0	ug/kg	1	5030A	04/05/2021 15:40	SA	8260B
p-Isopropyltoluene	ND		3.86	10.0	ug/kg	1	5030A	04/05/2021 15:40	SA	8260B
Methyl tert-Butyl Ether (MTBE)	ND		1.81	5.00	ug/kg	1	5030A	04/05/2021 15:40	SA	8260B
4-Methyl-2-pentanone (MIBK)	ND		3.14	50.0	ug/kg	1	5030A	04/05/2021 15:40	SA	8260B
Methylene chloride	ND		3.31	50.0	ug/kg	1	5030A	04/05/2021 15:40	SA	8260B
Naphthalene	ND		1.14	10.0	ug/kg	1	5030A	04/05/2021 15:40	SA	8260B
n-Propylbenzene	ND		1.14	10.0	ug/kg	1	5030A	04/05/2021 15:40	SA	8260B
Styrene	ND		0.800	10.0	ug/kg	1	5030A	04/05/2021 15:40	SA	8260B
1,1,1,2-Tetrachloroethane	ND		1.28	10.0	ug/kg	1	5030A	04/05/2021 15:40	SA	8260B
1,1,2,2-Tetrachloroethane	ND		3.25	10.0	ug/kg	1	5030A	04/05/2021 15:40	SA	8260B
Tetrachloroethene	ND		0.930	10.0	ug/kg	1	5030A	04/05/2021 15:40	SA	8260B
Toluene	ND		1.00	2.00	ug/kg	1	5030A	04/05/2021 15:40	SA	8260B
1,2,3-Trichlorobenzene	ND		1.23	10.0	ug/kg	1	5030A	04/05/2021 15:40	SA	8260B
1,2,4-Trichlorobenzene	ND		2.82	10.0	ug/kg	1	5030A	04/05/2021 15:40	SA	8260B
1,1,1-Trichloroethane	ND		2.03	10.0	ug/kg	1	5030A	04/05/2021 15:40	SA	8260B
1,1,2-Trichloroethane	ND		1.74	10.0	ug/kg	1	5030A	04/05/2021 15:40	SA	8260B
Trichloroethene	ND		1.15	10.0	ug/kg	1	5030A	04/05/2021 15:40	SA	8260B
Trichlorofluoromethane	ND		3.15	10.0	ug/kg	1	5030A	04/05/2021 15:40	SA	8260B
1,2,3-Trichloropropane	ND		1.74	10.0	ug/kg	1	5030A	04/05/2021 15:40	SA	8260B
1,2,4-Trimethylbenzene	ND		3.19	10.0	ug/kg	1	5030A	04/05/2021 15:40	SA	8260B
1,3,5- Trimethylbenzene	ND		1.23	10.0	ug/kg	1	5030A	04/05/2021 15:40	SA	8260B
Vinyl acetate	ND		10.8	50.0	ug/kg	1	5030A	04/05/2021 15:40	SA	8260B
Vinyl chloride	ND		2.79	30.0	ug/kg	1	5030A	04/05/2021 15:40	SA	8260B
m,p-Xylenes	ND		1.80	4.00	ug/kg	1	5030A	04/05/2021 15:40	SA	8260B
o-Xylene	ND		1.00	2.00	ug/kg	1	5030A	04/05/2021 15:40	SA	8260B
Surrogate: 4-Bromofluorobenzene			*95.4 %*		*70-120*		5030A	04/05/2021 15:40	SA	*8260B*
Surrogate: Dibromofluoromethane			*89.8 %*		*70-120*		5030A	04/05/2021 15:40	SA	*8260B*

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Enviroassessors, Inc.	Project: Souplantation	Work Order No: 2104016
1158 E. Route 66	Project Number: 1146-332-01-0001	**Reported:**
Glendora CA, 91740	Project Manager: Norman N. Sacro	04/09/2021 15:40

Analytical Results

Client Sample ID: SB1-20

Laboratory Sample ID: 2104016-03 (Solid)

Analyte	Result	Notes	MDL	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Volatile Organic Compounds					Batch ID: BD10325		Prepared: 04/05/2021 09:00			
Surrogate: Toluene-d8			*101 %*	*70-120*			5030A	04/05/2021 15:40	SA	*8260B*

Analytical Results

Client Sample ID: SB2-5

Laboratory Sample ID: 2104016-04 (Solid)

Analyte	Result	Notes	MDL	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Total Petroleum Hydrocarbons(TPH-g)					Batch ID: BD10255		Prepared: 04/05/2021 09:00			
TPH GROs (C4-C12)	ND		250	500	ug/kg	1	5030A	04/05/2021 21:01	SA	8015B
Surrogate: 4-Bromofluorobenzene			*95.0 %*	*70-120*			5030A	04/05/2021 21:01	SA	*8015B*
Total Petroleum Hydrocarbons(TPH DROORO)					Batch ID: BD10337		Prepared: 04/05/2021 09:00			
TPH DROs (C13-C22)	ND		1.00	10.0	mg/kg	1	3550B	04/05/2021 22:06	SL	8015B
TPH OROs (C23-C32)	ND		17.0	50.0	mg/kg	1	3550B	04/05/2021 22:06	SL	8015B
Surrogate: Chlorobenzene			*111 %*	*70-120*			3550B	04/05/2021 22:06	SL	*8015B*
Volatile Organic Compounds					Batch ID: BD10325		Prepared: 04/05/2021 09:00			
Acetone	ND		12.7	50.0	ug/kg	1	5030A	04/05/2021 16:12	SA	8260B
Benzene	ND		0.930	2.00	ug/kg	1	5030A	04/05/2021 16:12	SA	8260B
Bromobenzene	ND		3.39	10.0	ug/kg	1	5030A	04/05/2021 16:12	SA	8260B
Bromochloromethane	ND		0.380	10.0	ug/kg	1	5030A	04/05/2021 16:12	SA	8260B
Bromodichloromethane	ND		0.630	10.0	ug/kg	1	5030A	04/05/2021 16:12	SA	8260B
Bromoform	ND		3.39	50.0	ug/kg	1	5030A	04/05/2021 16:12	SA	8260B
Bromomethane	ND		2.75	30.0	ug/kg	1	5030A	04/05/2021 16:12	SA	8260B
2-Butanone	ND		5.83	50.0	ug/kg	1	5030A	04/05/2021 16:12	SA	8260B
n-Butylbenzene	ND		2.05	10.0	ug/kg	1	5030A	04/05/2021 16:12	SA	8260B
sec-Butylbenzene	ND		3.04	10.0	ug/kg	1	5030A	04/05/2021 16:12	SA	8260B
tert-Butylbenzene	ND		1.34	10.0	ug/kg	1	5030A	04/05/2021 16:12	SA	8260B
Carbon disulfide	ND		5.53	10.0	ug/kg	1	5030A	04/05/2021 16:12	SA	8260B
Carbon tetrachloride	ND		2.48	10.0	ug/kg	1	5030A	04/05/2021 16:12	SA	8260B
Chlorobenzene	ND		0.890	10.0	ug/kg	1	5030A	04/05/2021 16:12	SA	8260B
Chloroethane	ND		2.15	30.0	ug/kg	1	5030A	04/05/2021 16:12	SA	8260B
2-Chloroethylvinyl Ether	ND		5.53	50.0	ug/kg	1	5030A	04/05/2021 16:12	SA	8260B
Chloroform	ND		1.24	10.0	ug/kg	1	5030A	04/05/2021 16:12	SA	8260B
Chloromethane	ND		1.74	30.0	ug/kg	1	5030A	04/05/2021 16:12	SA	8260B
4-Chlorotoluene	ND		1.34	10.0	ug/kg	1	5030A	04/05/2021 16:12	SA	8260B

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2520 N. San Fernando Road, LA CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

Enviroassessors, Inc.	Project: Souplantation	Work Order No: 2104016
1158 E. Route 66	Project Number: 1146-332-01-0001	**Reported:**
Glendora CA, 91740	Project Manager: Norman N. Sacro	04/09/2021 15:40

Analytical Results

Client Sample ID: SB2-5

Laboratory Sample ID: 2104016-04 (Solid)

Analyte	Result	Notes	MDL	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Volatile Organic Compounds				Batch ID: BD10325			Prepared: 04/05/2021 09:00			
2-Chlorotoluene	ND		2.35	10.0	ug/kg	1	5030A	04/05/2021 16:12	SA	8260B
1,2-Dibromo-3-chloropropane	ND		2.69	50.0	ug/kg	1	5030A	04/05/2021 16:12	SA	8260B
Dibromochloromethane	ND		0.650	10.0	ug/kg	1	5030A	04/05/2021 16:12	SA	8260B
1,2-Dibromoethane	ND		2.75	10.0	ug/kg	1	5030A	04/05/2021 16:12	SA	8260B
Dibromomethane	ND		2.30	10.0	ug/kg	1	5030A	04/05/2021 16:12	SA	8260B
1,2-Dichlorobenzene	ND		1.65	10.0	ug/kg	1	5030A	04/05/2021 16:12	SA	8260B
1,3-Dichlorobenzene	ND		1.03	10.0	ug/kg	1	5030A	04/05/2021 16:12	SA	8260B
1,4-Dichlorobenzene	ND		2.23	10.0	ug/kg	1	5030A	04/05/2021 16:12	SA	8260B
Dichlorodifluoromethane	ND		2.07	30.0	ug/kg	1	5030A	04/05/2021 16:12	SA	8260B
1,1-Dichloroethane	ND		1.30	10.0	ug/kg	1	5030A	04/05/2021 16:12	SA	8260B
1,2-Dichloroethane	ND		1.57	10.0	ug/kg	1	5030A	04/05/2021 16:12	SA	8260B
1,1-Dichloroethene	ND		1.60	10.0	ug/kg	1	5030A	04/05/2021 16:12	SA	8260B
cis-1,2-Dichloroethene	ND		2.16	10.0	ug/kg	1	5030A	04/05/2021 16:12	SA	8260B
trans-1,2-Dichloroethene	ND		2.60	10.0	ug/kg	1	5030A	04/05/2021 16:12	SA	8260B
1,1-Dichloropropene	ND		0.660	10.0	ug/kg	1	5030A	04/05/2021 16:12	SA	8260B
1,2-Dichloropropane	ND		0.920	10.0	ug/kg	1	5030A	04/05/2021 16:12	SA	8260B
1,3-Dichloropropane	ND		1.36	10.0	ug/kg	1	5030A	04/05/2021 16:12	SA	8260B
2,2-Dichloropropane	ND		1.12	10.0	ug/kg	1	5030A	04/05/2021 16:12	SA	8260B
cis-1,3-Dichloropropene	ND		0.980	10.0	ug/kg	1	5030A	04/05/2021 16:12	SA	8260B
trans-1,3-Dichloropropene	ND		0.960	10.0	ug/kg	1	5030A	04/05/2021 16:12	SA	8260B
Ethylbenzene	ND		1.00	2.00	ug/kg	1	5030A	04/05/2021 16:12	SA	8260B
Hexachlorobutadiene	ND		2.77	30.0	ug/kg	1	5030A	04/05/2021 16:12	SA	8260B
2-Hexanone	ND		3.18	50.0	ug/kg	1	5030A	04/05/2021 16:12	SA	8260B
Isopropylbenzene	ND		1.42	10.0	ug/kg	1	5030A	04/05/2021 16:12	SA	8260B
p-Isopropyltoluene	ND		3.86	10.0	ug/kg	1	5030A	04/05/2021 16:12	SA	8260B
Methyl tert-Butyl Ether (MTBE)	ND		1.81	5.00	ug/kg	1	5030A	04/05/2021 16:12	SA	8260B
4-Methyl-2-pentanone (MIBK)	ND		3.14	50.0	ug/kg	1	5030A	04/05/2021 16:12	SA	8260B
Methylene chloride	ND		3.31	50.0	ug/kg	1	5030A	04/05/2021 16:12	SA	8260B
Naphthalene	ND		1.14	10.0	ug/kg	1	5030A	04/05/2021 16:12	SA	8260B
n-Propylbenzene	ND		1.14	10.0	ug/kg	1	5030A	04/05/2021 16:12	SA	8260B
Styrene	ND		0.800	10.0	ug/kg	1	5030A	04/05/2021 16:12	SA	8260B
1,1,1,2-Tetrachloroethane	ND		1.28	10.0	ug/kg	1	5030A	04/05/2021 16:12	SA	8260B
1,1,2,2-Tetrachloroethane	ND		3.25	10.0	ug/kg	1	5030A	04/05/2021 16:12	SA	8260B
Tetrachloroethene	ND		0.930	10.0	ug/kg	1	5030A	04/05/2021 16:12	SA	8260B
Toluene	ND		1.00	2.00	ug/kg	1	5030A	04/05/2021 16:12	SA	8260B
1,2,3-Trichlorobenzene	ND		1.23	10.0	ug/kg	1	5030A	04/05/2021 16:12	SA	8260B

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Amolk Brar, Lab Director

American Scientific Laboratories, LLC
Environmental Testing Services
2520 N. San Fernando Road, LA CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

Enviroassessors, Inc.	Project: Souplantation	Work Order No: 2104016
1158 E. Route 66	Project Number: 1146-332-01-0001	**Reported:**
Glendora CA, 91740	Project Manager: Norman N. Sacro	04/09/2021 15:40

Analytical Results

Client Sample ID: SB2-5

Laboratory Sample ID: 2104016-04 (Solid)

Analyte	Result	Notes	MDL	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Volatile Organic Compounds				Batch ID: BD10325			Prepared: 04/05/2021 09:00			
1,2,4-Trichlorobenzene	ND		2.82	10.0	ug/kg	1	5030A	04/05/2021 16:12	SA	8260B
1,1,1-Trichloroethane	ND		2.03	10.0	ug/kg	1	5030A	04/05/2021 16:12	SA	8260B
1,1,2-Trichloroethane	ND		1.74	10.0	ug/kg	1	5030A	04/05/2021 16:12	SA	8260B
Trichloroethene	ND		1.15	10.0	ug/kg	1	5030A	04/05/2021 16:12	SA	8260B
Trichlorofluoromethane	ND		3.15	10.0	ug/kg	1	5030A	04/05/2021 16:12	SA	8260B
1,2,3-Trichloropropane	ND		1.74	10.0	ug/kg	1	5030A	04/05/2021 16:12	SA	8260B
1,2,4-Trimethylbenzene	ND		3.19	10.0	ug/kg	1	5030A	04/05/2021 16:12	SA	8260B
1,3,5- Trimethylbenzene	ND		1.23	10.0	ug/kg	1	5030A	04/05/2021 16:12	SA	8260B
Vinyl acetate	ND		10.8	50.0	ug/kg	1	5030A	04/05/2021 16:12	SA	8260B
Vinyl chloride	ND		2.79	30.0	ug/kg	1	5030A	04/05/2021 16:12	SA	8260B
m,p-Xylenes	ND		1.80	4.00	ug/kg	1	5030A	04/05/2021 16:12	SA	8260B
o-Xylene	ND		1.00	2.00	ug/kg	1	5030A	04/05/2021 16:12	SA	8260B
Surrogate: 4-Bromofluorobenzene			*96.0 %*		*70-120*		5030A	04/05/2021 16:12	SA	*8260B*
Surrogate: Dibromofluoromethane			*88.1 %*		*70-120*		5030A	04/05/2021 16:12	SA	*8260B*
Surrogate: Toluene-d8			*100 %*		*70-120*		5030A	04/05/2021 16:12	SA	*8260B*

Analytical Results

Client Sample ID: SB2-10

Laboratory Sample ID: 2104016-05 (Solid)

Analyte	Result	Notes	MDL	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Total Petroleum Hydrocarbons(TPH-g)				Batch ID: BD10255			Prepared: 04/05/2021 09:00			
TPH GROs (C4-C12)	ND		250	500	ug/kg	1	5030A	04/05/2021 21:28	SA	8015B
Surrogate: 4-Bromofluorobenzene			*82.1 %*		*70-120*		5030A	04/05/2021 21:28	SA	*8015B*
Total Petroleum Hydrocarbons(TPH DROORO)				Batch ID: BD10337			Prepared: 04/05/2021 09:00			
TPH DROs (C13-C22)	ND		1.00	10.0	mg/kg	1	3550B	04/05/2021 22:47	SL	8015B
TPH OROs (C23-C32)	ND		17.0	50.0	mg/kg	1	3550B	04/05/2021 22:47	SL	8015B
Surrogate: Chlorobenzene			*110 %*		*70-120*		3550B	04/05/2021 22:47	SL	*8015B*
Volatile Organic Compounds				Batch ID: BD10325			Prepared: 04/05/2021 09:00			
Acetone	ND		12.7	50.0	ug/kg	1	5030A	04/05/2021 16:43	SA	8260B
Benzene	ND		0.930	2.00	ug/kg	1	5030A	04/05/2021 16:43	SA	8260B
Bromobenzene	ND		3.39	10.0	ug/kg	1	5030A	04/05/2021 16:43	SA	8260B
Bromochloromethane	ND		0.380	10.0	ug/kg	1	5030A	04/05/2021 16:43	SA	8260B

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Amolk Brar, Lab Director

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Environmental Testing Services
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Enviroassessors, Inc.	Project: Souplantation	Work Order No: 2104016
1158 E. Route 66	Project Number: 1146-332-01-0001	**Reported:**
Glendora CA, 91740	Project Manager: Norman N. Sacro	04/09/2021 15:40

Analytical Results

Client Sample ID: SB2-10

Laboratory Sample ID: 2104016-05 (Solid)

Analyte	Result	Notes	MDL	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Volatile Organic Compounds				Batch ID: BD10325			Prepared: 04/05/2021 09:00			
Bromodichloromethane	ND		0.630	10.0	ug/kg	1	5030A	04/05/2021 16:43	SA	8260B
Bromoform	ND		3.39	50.0	ug/kg	1	5030A	04/05/2021 16:43	SA	8260B
Bromomethane	ND		2.75	30.0	ug/kg	1	5030A	04/05/2021 16:43	SA	8260B
2-Butanone	ND		5.83	50.0	ug/kg	1	5030A	04/05/2021 16:43	SA	8260B
n-Butylbenzene	ND		2.05	10.0	ug/kg	1	5030A	04/05/2021 16:43	SA	8260B
sec-Butylbenzene	ND		3.04	10.0	ug/kg	1	5030A	04/05/2021 16:43	SA	8260B
tert-Butylbenzene	ND		1.34	10.0	ug/kg	1	5030A	04/05/2021 16:43	SA	8260B
Carbon disulfide	ND		5.53	10.0	ug/kg	1	5030A	04/05/2021 16:43	SA	8260B
Carbon tetrachloride	ND		2.48	10.0	ug/kg	1	5030A	04/05/2021 16:43	SA	8260B
Chlorobenzene	ND		0.890	10.0	ug/kg	1	5030A	04/05/2021 16:43	SA	8260B
Chloroethane	ND		2.15	30.0	ug/kg	1	5030A	04/05/2021 16:43	SA	8260B
2-Chloroethylvinyl Ether	ND		5.53	50.0	ug/kg	1	5030A	04/05/2021 16:43	SA	8260B
Chloroform	ND		1.24	10.0	ug/kg	1	5030A	04/05/2021 16:43	SA	8260B
Chloromethane	ND		1.74	30.0	ug/kg	1	5030A	04/05/2021 16:43	SA	8260B
4-Chlorotoluene	ND		1.34	10.0	ug/kg	1	5030A	04/05/2021 16:43	SA	8260B
2-Chlorotoluene	ND		2.35	10.0	ug/kg	1	5030A	04/05/2021 16:43	SA	8260B
1,2-Dibromo-3-chloropropane	ND		2.69	50.0	ug/kg	1	5030A	04/05/2021 16:43	SA	8260B
Dibromochloromethane	ND		0.650	10.0	ug/kg	1	5030A	04/05/2021 16:43	SA	8260B
1,2-Dibromoethane	ND		2.75	10.0	ug/kg	1	5030A	04/05/2021 16:43	SA	8260B
Dibromomethane	ND		2.30	10.0	ug/kg	1	5030A	04/05/2021 16:43	SA	8260B
1,2-Dichlorobenzene	ND		1.65	10.0	ug/kg	1	5030A	04/05/2021 16:43	SA	8260B
1,3-Dichlorobenzene	ND		1.03	10.0	ug/kg	1	5030A	04/05/2021 16:43	SA	8260B
1,4-Dichlorobenzene	ND		2.23	10.0	ug/kg	1	5030A	04/05/2021 16:43	SA	8260B
Dichlorodifluoromethane	ND		2.07	30.0	ug/kg	1	5030A	04/05/2021 16:43	SA	8260B
1,1-Dichloroethane	ND		1.30	10.0	ug/kg	1	5030A	04/05/2021 16:43	SA	8260B
1,2-Dichloroethane	ND		1.57	10.0	ug/kg	1	5030A	04/05/2021 16:43	SA	8260B
1,1-Dichloroethene	ND		1.60	10.0	ug/kg	1	5030A	04/05/2021 16:43	SA	8260B
cis-1,2-Dichloroethene	ND		2.16	10.0	ug/kg	1	5030A	04/05/2021 16:43	SA	8260B
trans-1,2-Dichloroethene	ND		2.60	10.0	ug/kg	1	5030A	04/05/2021 16:43	SA	8260B
1,1-Dichloropropene	ND		0.660	10.0	ug/kg	1	5030A	04/05/2021 16:43	SA	8260B
1,2-Dichloropropane	ND		0.920	10.0	ug/kg	1	5030A	04/05/2021 16:43	SA	8260B
1,3-Dichloropropane	ND		1.36	10.0	ug/kg	1	5030A	04/05/2021 16:43	SA	8260B
2,2-Dichloropropane	ND		1.12	10.0	ug/kg	1	5030A	04/05/2021 16:43	SA	8260B
cis-1,3-Dichloropropene	ND		0.980	10.0	ug/kg	1	5030A	04/05/2021 16:43	SA	8260B
trans-1,3-Dichloropropene	ND		0.960	10.0	ug/kg	1	5030A	04/05/2021 16:43	SA	8260B
Ethylbenzene	ND		1.00	2.00	ug/kg	1	5030A	04/05/2021 16:43	SA	8260B

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Environmental Testing Services
2520 N. San Fernando Road, LA CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

Enviroassessors, Inc.	Project: Souplantation	Work Order No: 2104016
1158 E. Route 66	Project Number: 1146-332-01-0001	**Reported:**
Glendora CA, 91740	Project Manager: Norman N. Sacro	04/09/2021 15:40

Analytical Results

Client Sample ID: SB2-10

Laboratory Sample ID: 2104016-05 (Solid)

Analyte	Result	Notes	MDL	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Volatile Organic Compounds				Batch ID: BD10325			Prepared: 04/05/2021 09:00			
Hexachlorobutadiene	ND		2.77	30.0	ug/kg	1	5030A	04/05/2021 16:43	SA	8260B
2-Hexanone	ND		3.18	50.0	ug/kg	1	5030A	04/05/2021 16:43	SA	8260B
Isopropylbenzene	ND		1.42	10.0	ug/kg	1	5030A	04/05/2021 16:43	SA	8260B
p-Isopropyltoluene	ND		3.86	10.0	ug/kg	1	5030A	04/05/2021 16:43	SA	8260B
Methyl tert-Butyl Ether (MTBE)	ND		1.81	5.00	ug/kg	1	5030A	04/05/2021 16:43	SA	8260B
4-Methyl-2-pentanone (MIBK)	ND		3.14	50.0	ug/kg	1	5030A	04/05/2021 16:43	SA	8260B
Methylene chloride	ND		3.31	50.0	ug/kg	1	5030A	04/05/2021 16:43	SA	8260B
Naphthalene	ND		1.14	10.0	ug/kg	1	5030A	04/05/2021 16:43	SA	8260B
n-Propylbenzene	ND		1.14	10.0	ug/kg	1	5030A	04/05/2021 16:43	SA	8260B
Styrene	ND		0.800	10.0	ug/kg	1	5030A	04/05/2021 16:43	SA	8260B
1,1,1,2-Tetrachloroethane	ND		1.28	10.0	ug/kg	1	5030A	04/05/2021 16:43	SA	8260B
1,1,2,2-Tetrachloroethane	ND		3.25	10.0	ug/kg	1	5030A	04/05/2021 16:43	SA	8260B
Tetrachloroethene	ND		0.930	10.0	ug/kg	1	5030A	04/05/2021 16:43	SA	8260B
Toluene	ND		1.00	2.00	ug/kg	1	5030A	04/05/2021 16:43	SA	8260B
1,2,3-Trichlorobenzene	ND		1.23	10.0	ug/kg	1	5030A	04/05/2021 16:43	SA	8260B
1,2,4-Trichlorobenzene	ND		2.82	10.0	ug/kg	1	5030A	04/05/2021 16:43	SA	8260B
1,1,1-Trichloroethane	ND		2.03	10.0	ug/kg	1	5030A	04/05/2021 16:43	SA	8260B
1,1,2-Trichloroethane	ND		1.74	10.0	ug/kg	1	5030A	04/05/2021 16:43	SA	8260B
Trichloroethene	ND		1.15	10.0	ug/kg	1	5030A	04/05/2021 16:43	SA	8260B
Trichlorofluoromethane	ND		3.15	10.0	ug/kg	1	5030A	04/05/2021 16:43	SA	8260B
1,2,3-Trichloropropane	ND		1.74	10.0	ug/kg	1	5030A	04/05/2021 16:43	SA	8260B
1,2,4-Trimethylbenzene	ND		3.19	10.0	ug/kg	1	5030A	04/05/2021 16:43	SA	8260B
1,3,5- Trimethylbenzene	ND		1.23	10.0	ug/kg	1	5030A	04/05/2021 16:43	SA	8260B
Vinyl acetate	ND		10.8	50.0	ug/kg	1	5030A	04/05/2021 16:43	SA	8260B
Vinyl chloride	ND		2.79	30.0	ug/kg	1	5030A	04/05/2021 16:43	SA	8260B
m,p-Xylenes	ND		1.80	4.00	ug/kg	1	5030A	04/05/2021 16:43	SA	8260B
o-Xylene	ND		1.00	2.00	ug/kg	1	5030A	04/05/2021 16:43	SA	8260B
Surrogate: 4-Bromofluorobenzene			*95.1 %*	*70-120*			5030A	04/05/2021 16:43	SA	*8260B*
Surrogate: Dibromofluoromethane			*91.1 %*	*70-120*			5030A	04/05/2021 16:43	SA	*8260B*
Surrogate: Toluene-d8			*105 %*	*70-120*			5030A	04/05/2021 16:43	SA	*8260B*

Analytical Results

Client Sample ID: SB2-20

Laboratory Sample ID: 2104016-06 (Solid)

Analyte	Result	Notes	MDL	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method

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Enviroassessors, Inc.	Project: Souplantation	Work Order No: 2104016
1158 E. Route 66	Project Number: 1146-332-01-0001	**Reported:**
Glendora CA, 91740	Project Manager: Norman N. Sacro	04/09/2021 15:40

Analytical Results

Client Sample ID: SB2-20

Laboratory Sample ID: 2104016-06 (Solid)

Analyte	Result	Notes	MDL	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Total Petroleum Hydrocarbons(TPH-g)				Batch ID: BD10255			Prepared: 04/05/2021 09:00			
TPH GROs (C4-C12)	ND		250	500	ug/kg	1	5030A	04/05/2021 21:56	SA	8015B
Surrogate: 4-Bromofluorobenzene			*81.0 %*	*70-120*			5030A	04/05/2021 21:56	SA	*8015B*
Total Petroleum Hydrocarbons(TPH DROORO)				Batch ID: BD10337			Prepared: 04/05/2021 09:00			
TPH DROs (C13-C22)	ND		1.00	10.0	mg/kg	1	3550B	04/06/2021 05:40	SL	8015B
TPH OROs (C23-C32)	ND		17.0	50.0	mg/kg	1	3550B	04/06/2021 05:40	SL	8015B
Surrogate: Chlorobenzene			*111 %*	*70-120*			3550B	04/06/2021 05:40	SL	*8015B*
Volatile Organic Compounds				Batch ID: BD10325			Prepared: 04/05/2021 09:00			
Acetone	ND		12.7	50.0	ug/kg	1	5030A	04/05/2021 17:15	SA	8260B
Benzene	ND		0.930	2.00	ug/kg	1	5030A	04/05/2021 17:15	SA	8260B
Bromobenzene	ND		3.39	10.0	ug/kg	1	5030A	04/05/2021 17:15	SA	8260B
Bromochloromethane	ND		0.380	10.0	ug/kg	1	5030A	04/05/2021 17:15	SA	8260B
Bromodichloromethane	ND		0.630	10.0	ug/kg	1	5030A	04/05/2021 17:15	SA	8260B
Bromoform	ND		3.39	50.0	ug/kg	1	5030A	04/05/2021 17:15	SA	8260B
Bromomethane	ND		2.75	30.0	ug/kg	1	5030A	04/05/2021 17:15	SA	8260B
2-Butanone	ND		5.83	50.0	ug/kg	1	5030A	04/05/2021 17:15	SA	8260B
n-Butylbenzene	ND		2.05	10.0	ug/kg	1	5030A	04/05/2021 17:15	SA	8260B
sec-Butylbenzene	ND		3.04	10.0	ug/kg	1	5030A	04/05/2021 17:15	SA	8260B
tert-Butylbenzene	ND		1.34	10.0	ug/kg	1	5030A	04/05/2021 17:15	SA	8260B
Carbon disulfide	ND		5.53	10.0	ug/kg	1	5030A	04/05/2021 17:15	SA	8260B
Carbon tetrachloride	ND		2.48	10.0	ug/kg	1	5030A	04/05/2021 17:15	SA	8260B
Chlorobenzene	ND		0.890	10.0	ug/kg	1	5030A	04/05/2021 17:15	SA	8260B
Chloroethane	ND		2.15	30.0	ug/kg	1	5030A	04/05/2021 17:15	SA	8260B
2-Chloroethylvinyl Ether	ND		5.53	50.0	ug/kg	1	5030A	04/05/2021 17:15	SA	8260B
Chloroform	ND		1.24	10.0	ug/kg	1	5030A	04/05/2021 17:15	SA	8260B
Chloromethane	ND		1.74	30.0	ug/kg	1	5030A	04/05/2021 17:15	SA	8260B
4-Chlorotoluene	ND		1.34	10.0	ug/kg	1	5030A	04/05/2021 17:15	SA	8260B
2-Chlorotoluene	ND		2.35	10.0	ug/kg	1	5030A	04/05/2021 17:15	SA	8260B
1,2-Dibromo-3-chloropropane	ND		2.69	50.0	ug/kg	1	5030A	04/05/2021 17:15	SA	8260B
Dibromochloromethane	ND		0.650	10.0	ug/kg	1	5030A	04/05/2021 17:15	SA	8260B
1,2-Dibromoethane	ND		2.75	10.0	ug/kg	1	5030A	04/05/2021 17:15	SA	8260B
Dibromomethane	ND		2.30	10.0	ug/kg	1	5030A	04/05/2021 17:15	SA	8260B
1,2-Dichlorobenzene	ND		1.65	10.0	ug/kg	1	5030A	04/05/2021 17:15	SA	8260B
1,3-Dichlorobenzene	ND		1.03	10.0	ug/kg	1	5030A	04/05/2021 17:15	SA	8260B
1,4-Dichlorobenzene	ND		2.23	10.0	ug/kg	1	5030A	04/05/2021 17:15	SA	8260B

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Enviroassessors, Inc.	Project: Souplantation	Work Order No: 2104016
1158 E. Route 66	Project Number: 1146-332-01-0001	**Reported:**
Glendora CA, 91740	Project Manager: Norman N. Sacro	04/09/2021 15:40

Analytical Results

Client Sample ID: SB2-20

Laboratory Sample ID: 2104016-06 (Solid)

Analyte	Result	Notes	MDL	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Volatile Organic Compounds				Batch ID: BD10325			Prepared: 04/05/2021 09:00			
Dichlorodifluoromethane	ND		2.07	30.0	ug/kg	1	5030A	04/05/2021 17:15	SA	8260B
1,1-Dichloroethane	ND		1.30	10.0	ug/kg	1	5030A	04/05/2021 17:15	SA	8260B
1,2-Dichloroethane	ND		1.57	10.0	ug/kg	1	5030A	04/05/2021 17:15	SA	8260B
1,1-Dichloroethene	ND		1.60	10.0	ug/kg	1	5030A	04/05/2021 17:15	SA	8260B
cis-1,2-Dichloroethene	ND		2.16	10.0	ug/kg	1	5030A	04/05/2021 17:15	SA	8260B
trans-1,2-Dichloroethene	ND		2.60	10.0	ug/kg	1	5030A	04/05/2021 17:15	SA	8260B
1,1-Dichloropropene	ND		0.660	10.0	ug/kg	1	5030A	04/05/2021 17:15	SA	8260B
1,2-Dichloropropane	ND		0.920	10.0	ug/kg	1	5030A	04/05/2021 17:15	SA	8260B
1,3-Dichloropropane	ND		1.36	10.0	ug/kg	1	5030A	04/05/2021 17:15	SA	8260B
2,2-Dichloropropane	ND		1.12	10.0	ug/kg	1	5030A	04/05/2021 17:15	SA	8260B
cis-1,3-Dichloropropene	ND		0.980	10.0	ug/kg	1	5030A	04/05/2021 17:15	SA	8260B
trans-1,3-Dichloropropene	ND		0.960	10.0	ug/kg	1	5030A	04/05/2021 17:15	SA	8260B
Ethylbenzene	ND		1.00	2.00	ug/kg	1	5030A	04/05/2021 17:15	SA	8260B
Hexachlorobutadiene	ND		2.77	30.0	ug/kg	1	5030A	04/05/2021 17:15	SA	8260B
2-Hexanone	ND		3.18	50.0	ug/kg	1	5030A	04/05/2021 17:15	SA	8260B
Isopropylbenzene	ND		1.42	10.0	ug/kg	1	5030A	04/05/2021 17:15	SA	8260B
p-Isopropyltoluene	ND		3.86	10.0	ug/kg	1	5030A	04/05/2021 17:15	SA	8260B
Methyl tert-Butyl Ether (MTBE)	ND		1.81	5.00	ug/kg	1	5030A	04/05/2021 17:15	SA	8260B
4-Methyl-2-pentanone (MIBK)	ND		3.14	50.0	ug/kg	1	5030A	04/05/2021 17:15	SA	8260B
Methylene chloride	ND		3.31	50.0	ug/kg	1	5030A	04/05/2021 17:15	SA	8260B
Naphthalene	ND		1.14	10.0	ug/kg	1	5030A	04/05/2021 17:15	SA	8260B
n-Propylbenzene	ND		1.14	10.0	ug/kg	1	5030A	04/05/2021 17:15	SA	8260B
Styrene	ND		0.800	10.0	ug/kg	1	5030A	04/05/2021 17:15	SA	8260B
1,1,1,2-Tetrachloroethane	ND		1.28	10.0	ug/kg	1	5030A	04/05/2021 17:15	SA	8260B
1,1,2,2-Tetrachloroethane	ND		3.25	10.0	ug/kg	1	5030A	04/05/2021 17:15	SA	8260B
Tetrachloroethene	ND		0.930	10.0	ug/kg	1	5030A	04/05/2021 17:15	SA	8260B
Toluene	ND		1.00	2.00	ug/kg	1	5030A	04/05/2021 17:15	SA	8260B
1,2,3-Trichlorobenzene	ND		1.23	10.0	ug/kg	1	5030A	04/05/2021 17:15	SA	8260B
1,2,4-Trichlorobenzene	ND		2.82	10.0	ug/kg	1	5030A	04/05/2021 17:15	SA	8260B
1,1,1-Trichloroethane	ND		2.03	10.0	ug/kg	1	5030A	04/05/2021 17:15	SA	8260B
1,1,2-Trichloroethane	ND		1.74	10.0	ug/kg	1	5030A	04/05/2021 17:15	SA	8260B
Trichloroethene	ND		1.15	10.0	ug/kg	1	5030A	04/05/2021 17:15	SA	8260B
Trichlorofluoromethane	ND		3.15	10.0	ug/kg	1	5030A	04/05/2021 17:15	SA	8260B
1,2,3-Trichloropropane	ND		1.74	10.0	ug/kg	1	5030A	04/05/2021 17:15	SA	8260B
1,2,4-Trimethylbenzene	ND		3.19	10.0	ug/kg	1	5030A	04/05/2021 17:15	SA	8260B
1,3,5- Trimethylbenzene	ND		1.23	10.0	ug/kg	1	5030A	04/05/2021 17:15	SA	8260B

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Amolk Brar, Lab Director

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Road, LA CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

Enviroassessors, Inc.	Project: Souplantation	Work Order No: 2104016
1158 E. Route 66	Project Number: 1146-332-01-0001	**Reported:**
Glendora CA, 91740	Project Manager: Norman N. Sacro	04/09/2021 15:40

Analytical Results

Client Sample ID: SB2-20

Laboratory Sample ID: 2104016-06 (Solid)

Analyte	Result	Notes	MDL	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Volatile Organic Compounds					Batch ID: BD10325		Prepared: 04/05/2021 09:00			
Vinyl acetate	ND		10.8	50.0	ug/kg	1	5030A	04/05/2021 17:15	SA	8260B
Vinyl chloride	ND		2.79	30.0	ug/kg	1	5030A	04/05/2021 17:15	SA	8260B
m,p-Xylenes	ND		1.80	4.00	ug/kg	1	5030A	04/05/2021 17:15	SA	8260B
o-Xylene	ND		1.00	2.00	ug/kg	1	5030A	04/05/2021 17:15	SA	8260B
Surrogate: 4-Bromofluorobenzene			*89.3 %*		*70-120*		5030A	04/05/2021 17:15	SA	*8260B*
Surrogate: Dibromofluoromethane			*96.1 %*		*70-120*		5030A	04/05/2021 17:15	SA	*8260B*
Surrogate: Toluene-d8			*101 %*		*70-120*		5030A	04/05/2021 17:15	SA	*8260B*

Analytical Results

Client Sample ID: SB3-5

Laboratory Sample ID: 2104016-07 (Solid)

Analyte	Result	Notes	MDL	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Total Petroleum Hydrocarbons(TPH-g)					Batch ID: BD10255		Prepared: 04/05/2021 09:00			
TPH GROs (C4-C12)	ND		250	500	ug/kg	1	5030A	04/05/2021 22:23	SA	8015B
Surrogate: 4-Bromofluorobenzene			*81.8 %*		*70-120*		5030A	04/05/2021 22:23	SA	*8015B*
Total Petroleum Hydrocarbons(TPH DROORO)					Batch ID: BD10337		Prepared: 04/05/2021 09:00			
TPH DROs (C13-C22)	ND		1.00	10.0	mg/kg	1	3550B	04/06/2021 06:21	SL	8015B
TPH OROs (C23-C32)	ND		17.0	50.0	mg/kg	1	3550B	04/06/2021 06:21	SL	8015B
Surrogate: Chlorobenzene			*109 %*		*70-120*		3550B	04/06/2021 06:21	SL	*8015B*

Analytical Results

Client Sample ID: SB3-12

Laboratory Sample ID: 2104016-08 (Solid)

Analyte	Result	Notes	MDL	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Total Petroleum Hydrocarbons(TPH-g)					Batch ID: BD10255		Prepared: 04/05/2021 09:00			
TPH GROs (C4-C12)	ND		250	500	ug/kg	1	5030A	04/05/2021 22:51	SA	8015B
Surrogate: 4-Bromofluorobenzene			*82.9 %*		*70-120*		5030A	04/05/2021 22:51	SA	*8015B*
Total Petroleum Hydrocarbons(TPH DROORO)					Batch ID: BD10337		Prepared: 04/05/2021 09:00			
TPH DROs (C13-C22)	ND		1.00	10.0	mg/kg	1	3550B	04/06/2021 07:03	SL	8015B
TPH OROs (C23-C32)	ND		17.0	50.0	mg/kg	1	3550B	04/06/2021 07:03	SL	8015B
Surrogate: Chlorobenzene			*110 %*		*70-120*		3550B	04/06/2021 07:03	SL	*8015B*

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Amolk Brar, Lab Director

Enviroassessors, Inc.	Project: Souplantation	Work Order No: 2104016
1158 E. Route 66	Project Number: 1146-332-01-0001	**Reported:**
Glendora CA, 91740	Project Manager: Norman N. Sacro	04/09/2021 15:40

Analytical Results

Client Sample ID: SB4-5

Laboratory Sample ID: 2104016-09 (Solid)

Analyte	Result	Notes	MDL	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Total Petroleum Hydrocarbons(TPH-g)				Batch ID: BD10255			Prepared: 04/05/2021 09:00			
TPH GROs (C4-C12)	ND		250	500	ug/kg	1	5030A	04/05/2021 23:18	SA	8015B
Surrogate: 4-Bromofluorobenzene			*77.9 %*	*70-120*			5030A	04/05/2021 23:18	SA	*8015B*
Total Petroleum Hydrocarbons(TPH DROORO)				Batch ID: BD10337			Prepared: 04/05/2021 09:00			
TPH DROs (C13-C22)	ND		1.00	10.0	mg/kg	1	3550B	04/06/2021 07:44	SL	8015B
TPH OROs (C23-C32)	ND		17.0	50.0	mg/kg	1	3550B	04/06/2021 07:44	SL	8015B
Surrogate: Chlorobenzene			*112 %*	*70-120*			3550B	04/06/2021 07:44	SL	*8015B*

Analytical Results

Client Sample ID: SB4-12

Laboratory Sample ID: 2104016-10 (Solid)

Analyte	Result	Notes	MDL	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Total Petroleum Hydrocarbons(TPH-g)				Batch ID: BD10255			Prepared: 04/05/2021 09:00			
TPH GROs (C4-C12)	ND		250	500	ug/kg	1	5030A	04/05/2021 23:46	SA	8015B
Surrogate: 4-Bromofluorobenzene			*80.9 %*	*70-120*			5030A	04/05/2021 23:46	SA	*8015B*
Total Petroleum Hydrocarbons(TPH DROORO)				Batch ID: BD10337			Prepared: 04/05/2021 09:00			
TPH DROs (C13-C22)	ND		1.00	10.0	mg/kg	1	3550B	04/06/2021 08:25	SL	8015B
TPH OROs (C23-C32)	ND		17.0	50.0	mg/kg	1	3550B	04/06/2021 08:25	SL	8015B
Surrogate: Chlorobenzene			*111 %*	*70-120*			3550B	04/06/2021 08:25	SL	*8015B*

Analytical Results

Client Sample ID: SV-1

Laboratory Sample ID: 2104016-11 (Air)

Analyte	Result	Notes	MDL	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Volatile Organic Compounds				Batch ID: BD10338			Prepared: 04/02/2021 14:00			
Acetone	ND		252	500	ug/m3	1	Prep - Volati	04/02/2021 18:24	SA	8260B
Benzene	ND		9.70	100	ug/m3	1	Prep - Volati	04/02/2021 18:24	SA	8260B
Bromobenzene	ND		29.1	100	ug/m3	1	Prep - Volati	04/02/2021 18:24	SA	8260B
Bromochloromethane	ND		16.9	100	ug/m3	1	Prep - Volati	04/02/2021 18:24	SA	8260B
Bromodichloromethane	ND		16.9	100	ug/m3	1	Prep - Volati	04/02/2021 18:24	SA	8260B
Bromoform	ND		28.4	500	ug/m3	1	Prep - Volati	04/02/2021 18:24	SA	8260B
Bromomethane	ND		17.4	300	ug/m3	1	Prep - Volati	04/02/2021 18:24	SA	8260B
2-Butanone (MEK)	ND		500	500	ug/m3	1	Prep - Volati	04/02/2021 18:24	SA	8260B

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Amolk Brar, Lab Director

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Environmental Testing Services
2520 N. San Fernando Road, LA CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

Enviroassessors, Inc.	Project: Souplantation	Work Order No: 2104016
1158 E. Route 66	Project Number: 1146-332-01-0001	**Reported:**
Glendora CA, 91740	Project Manager: Norman N. Sacro	04/09/2021 15:40

Analytical Results

Client Sample ID: SV-1

Laboratory Sample ID: 2104016-11 (Air)

Analyte	Result	Notes	MDL	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Volatile Organic Compounds				Batch ID: BD10338			Prepared: 04/02/2021 14:00			
n-Butylbenzene	ND		36.3	100	ug/m3	1	Prep - Volati	04/02/2021 18:24	SA	8260B
sec-Butylbenzene	ND		33.8	100	ug/m3	1	Prep - Volati	04/02/2021 18:24	SA	8260B
tert-Butylbenzene	ND		23.5	100	ug/m3	1	Prep - Volati	04/02/2021 18:24	SA	8260B
Carbon disulfide	ND		46.3	100	ug/m3	1	Prep - Volati	04/02/2021 18:24	SA	8260B
Carbon tetrachloride	ND		14.4	100	ug/m3	1	Prep - Volati	04/02/2021 18:24	SA	8260B
Chlorobenzene	ND		17.6	100	ug/m3	1	Prep - Volati	04/02/2021 18:24	SA	8260B
Chloroethane	ND		32.8	100	ug/m3	1	Prep - Volati	04/02/2021 18:24	SA	8260B
2-Chloroethyl vinyl ether	ND		66.5	500	ug/m3	1	Prep - Volati	04/02/2021 18:24	SA	8260B
Chloroform	ND		24.7	100	ug/m3	1	Prep - Volati	04/02/2021 18:24	SA	8260B
Chloromethane	ND		17.4	300	ug/m3	1	Prep - Volati	04/02/2021 18:24	SA	8260B
4-Chlorotoluene	ND		14.7	100	ug/m3	1	Prep - Volati	04/02/2021 18:24	SA	8260B
2-Chlorotoluene	ND		31.1	100	ug/m3	1	Prep - Volati	04/02/2021 18:24	SA	8260B
1,2-Dibromo-3-chloropropane	ND		33.3	500	ug/m3	1	Prep - Volati	04/02/2021 18:24	SA	8260B
Dibromochloromethane	ND		30.0	100	ug/m3	1	Prep - Volati	04/02/2021 18:24	SA	8260B
1,2-Dibromoethane	ND		22.6	100	ug/m3	1	Prep - Volati	04/02/2021 18:24	SA	8260B
Dibromomethane	ND		31.6	100	ug/m3	1	Prep - Volati	04/02/2021 18:24	SA	8260B
1,2-Dichlorobenzene	ND		35.8	100	ug/m3	1	Prep - Volati	04/02/2021 18:24	SA	8260B
1,3-Dichlorobenzene	ND		33.3	100	ug/m3	1	Prep - Volati	04/02/2021 18:24	SA	8260B
1,4-Dichlorobenzene	ND		38.4	100	ug/m3	1	Prep - Volati	04/02/2021 18:24	SA	8260B
Dichlorodifluoromethane	ND		24.4	300	ug/m3	1	Prep - Volati	04/02/2021 18:24	SA	8260B
1,1-Dichloroethane	ND		37.2	100	ug/m3	1	Prep - Volati	04/02/2021 18:24	SA	8260B
1,2-Dichloroethane	ND		18.2	100	ug/m3	1	Prep - Volati	04/02/2021 18:24	SA	8260B
1,1-Dichloroethene	ND		35.5	100	ug/m3	1	Prep - Volati	04/02/2021 18:24	SA	8260B
cis-1,2-Dichloroethene	ND		27.9	100	ug/m3	1	Prep - Volati	04/02/2021 18:24	SA	8260B
trans-1,2-Dichloroethene	ND		17.6	100	ug/m3	1	Prep - Volati	04/02/2021 18:24	SA	8260B
1,2-Dichloropropane	ND		35.9	100	ug/m3	1	Prep - Volati	04/02/2021 18:24	SA	8260B
1,3-Dichloropropane	ND		20.5	100	ug/m3	1	Prep - Volati	04/02/2021 18:24	SA	8260B
2,2-Dichloropropane	ND		34.1	100	ug/m3	1	Prep - Volati	04/02/2021 18:24	SA	8260B
1,1-Dichloropropene	ND		21.0	100	ug/m3	1	Prep - Volati	04/02/2021 18:24	SA	8260B
cis-1,3-Dichloropropene	ND		12.2	100	ug/m3	1	Prep - Volati	04/02/2021 18:24	SA	8260B
trans-1,3-Dichloropropene	ND		10.0	100	ug/m3	1	Prep - Volati	04/02/2021 18:24	SA	8260B
Ethylbenzene	ND		20.9	100	ug/m3	1	Prep - Volati	04/02/2021 18:24	SA	8260B
n-Hexane	ND		100	100	ug/m3	1	Prep - Volati	04/02/2021 18:24	SA	8260B
Hexachlorobutadiene	ND		41.3	300	ug/m3	1	Prep - Volati	04/02/2021 18:24	SA	8260B
2-Hexanone	ND		94.4	500	ug/m3	1	Prep - Volati	04/02/2021 18:24	SA	8260B
Isopropylbenzene	ND		29.1	100	ug/m3	1	Prep - Volati	04/02/2021 18:24	SA	8260B

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Enviroassessors, Inc.	Project: Souplantation	Work Order No: 2104016
1158 E. Route 66	Project Number: 1146-332-01-0001	**Reported:**
Glendora CA, 91740	Project Manager: Norman N. Sacro	04/09/2021 15:40

Analytical Results

Client Sample ID: SV-1

Laboratory Sample ID: 2104016-11 (Air)

Analyte	Result	Notes	MDL	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Volatile Organic Compounds				Batch ID: BD10338			Prepared: 04/02/2021 14:00			
p-Isopropyltoluene	ND		46.8	100	ug/m3	1	Prep - Volati	04/02/2021 18:24	SA	8260B
Methyl tert-Butyl Ether (MTBE)	ND		24.0	200	ug/m3	1	Prep - Volati	04/02/2021 18:24	SA	8260B
4-Methyl-2-pentanone (MIBK)	ND		171	500	ug/m3	1	Prep - Volati	04/02/2021 18:24	SA	8260B
Methylene chloride	ND		469	500	ug/m3	1	Prep - Volati	04/02/2021 18:24	SA	8260B
Naphthalene	ND		37.5	100	ug/m3	1	Prep - Volati	04/02/2021 18:24	SA	8260B
n-Propylbenzene	ND		25.4	100	ug/m3	1	Prep - Volati	04/02/2021 18:24	SA	8260B
Styrene	ND		12.2	100	ug/m3	1	Prep - Volati	04/02/2021 18:24	SA	8260B
1,1,1,2-Tetrachloroethane	ND		14.1	100	ug/m3	1	Prep - Volati	04/02/2021 18:24	SA	8260B
1,1,2,2-Tetrachloroethane	ND		57.9	100	ug/m3	1	Prep - Volati	04/02/2021 18:24	SA	8260B
Tetrachloroethene	ND		42.1	100	ug/m3	1	Prep - Volati	04/02/2021 18:24	SA	8260B
Toluene	ND		28.2	100	ug/m3	1	Prep - Volati	04/02/2021 18:24	SA	8260B
1,2,3-Trichlorobenzene	ND		21.9	100	ug/m3	1	Prep - Volati	04/02/2021 18:24	SA	8260B
1,2,4-Trichlorobenzene	ND		45.1	100	ug/m3	1	Prep - Volati	04/02/2021 18:24	SA	8260B
1,1,1-Trichloroethane	ND		15.0	100	ug/m3	1	Prep - Volati	04/02/2021 18:24	SA	8260B
1,1,2-Trichloroethane	ND		23.3	100	ug/m3	1	Prep - Volati	04/02/2021 18:24	SA	8260B
Trichloroethene	ND		11.7	100	ug/m3	1	Prep - Volati	04/02/2021 18:24	SA	8260B
Trichlorofluoromethane	ND		29.4	100	ug/m3	1	Prep - Volati	04/02/2021 18:24	SA	8260B
1,2,3-Trichloropropane	ND		30.3	100	ug/m3	1	Prep - Volati	04/02/2021 18:24	SA	8260B
1,2,4- Trimethylbenzene	ND		45.1	100	ug/m3	1	Prep - Volati	04/02/2021 18:24	SA	8260B
1,3,5- Trimethylbenzene	ND		43.0	100	ug/m3	1	Prep - Volati	04/02/2021 18:24	SA	8260B
Vinyl acetate	ND		162	500	ug/m3	1	Prep - Volati	04/02/2021 18:24	SA	8260B
Vinyl chloride	ND		33.1	300	ug/m3	1	Prep - Volati	04/02/2021 18:24	SA	8260B
o-Xylene	ND		38.0	100	ug/m3	1	Prep - Volati	04/02/2021 18:24	SA	8260B
m,p-Xylenes	ND		47.6	200	ug/m3	1	Prep - Volati	04/02/2021 18:24	SA	8260B
Surrogate: 4-Bromofluorobenzene			*99.9 %*	*70-120*			Prep - Volati	04/02/2021 18:24	SA	*8260B*
Surrogate: Dibromofluoromethane			*92.3 %*	*70-120*			Prep - Volati	04/02/2021 18:24	SA	*8260B*
Surrogate: Toluene-d8			*102 %*	*70-120*			Prep - Volati	04/02/2021 18:24	SA	*8260B*

Analytical Results

Client Sample ID: SV-2

Laboratory Sample ID: 2104016-12 (Air)

Analyte	Result	Notes	MDL	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Volatile Organic Compounds				Batch ID: BD10338			Prepared: 04/02/2021 14:00			
Acetone	ND		252	500	ug/m3	1	Prep - Volati	04/02/2021 18:56	SA	8260B

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Enviroassessors, Inc.	Project: Souplantation	Work Order No: 2104016
1158 E. Route 66	Project Number: 1146-332-01-0001	**Reported:**
Glendora CA, 91740	Project Manager: Norman N. Sacro	04/09/2021 15:40

Analytical Results

Client Sample ID: SV-2

Laboratory Sample ID: 2104016-12 (Air)

Analyte	Result	Notes	MDL	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Volatile Organic Compounds				Batch ID: BD10338			Prepared: 04/02/2021 14:00			
Benzene	ND		9.70	100	ug/m3	1	Prep - Volati	04/02/2021 18:56	SA	8260B
Bromobenzene	ND		29.1	100	ug/m3	1	Prep - Volati	04/02/2021 18:56	SA	8260B
Bromochloromethane	ND		16.9	100	ug/m3	1	Prep - Volati	04/02/2021 18:56	SA	8260B
Bromodichloromethane	ND		16.9	100	ug/m3	1	Prep - Volati	04/02/2021 18:56	SA	8260B
Bromoform	ND		28.4	500	ug/m3	1	Prep - Volati	04/02/2021 18:56	SA	8260B
Bromomethane	ND		17.4	300	ug/m3	1	Prep - Volati	04/02/2021 18:56	SA	8260B
2-Butanone (MEK)	ND		500	500	ug/m3	1	Prep - Volati	04/02/2021 18:56	SA	8260B
n-Butylbenzene	ND		36.3	100	ug/m3	1	Prep - Volati	04/02/2021 18:56	SA	8260B
sec-Butylbenzene	ND		33.8	100	ug/m3	1	Prep - Volati	04/02/2021 18:56	SA	8260B
tert-Butylbenzene	ND		23.5	100	ug/m3	1	Prep - Volati	04/02/2021 18:56	SA	8260B
Carbon disulfide	ND		46.3	100	ug/m3	1	Prep - Volati	04/02/2021 18:56	SA	8260B
Carbon tetrachloride	ND		14.4	100	ug/m3	1	Prep - Volati	04/02/2021 18:56	SA	8260B
Chlorobenzene	ND		17.6	100	ug/m3	1	Prep - Volati	04/02/2021 18:56	SA	8260B
Chloroethane	ND		32.8	100	ug/m3	1	Prep - Volati	04/02/2021 18:56	SA	8260B
2-Chloroethyl vinyl ether	ND		66.5	500	ug/m3	1	Prep - Volati	04/02/2021 18:56	SA	8260B
Chloroform	ND		24.7	100	ug/m3	1	Prep - Volati	04/02/2021 18:56	SA	8260B
Chloromethane	ND		17.4	300	ug/m3	1	Prep - Volati	04/02/2021 18:56	SA	8260B
4-Chlorotoluene	ND		14.7	100	ug/m3	1	Prep - Volati	04/02/2021 18:56	SA	8260B
2-Chlorotoluene	ND		31.1	100	ug/m3	1	Prep - Volati	04/02/2021 18:56	SA	8260B
1,2-Dibromo-3-chloropropane	ND		33.3	500	ug/m3	1	Prep - Volati	04/02/2021 18:56	SA	8260B
Dibromochloromethane	ND		30.0	100	ug/m3	1	Prep - Volati	04/02/2021 18:56	SA	8260B
1,2-Dibromoethane	ND		22.6	100	ug/m3	1	Prep - Volati	04/02/2021 18:56	SA	8260B
Dibromomethane	ND		31.6	100	ug/m3	1	Prep - Volati	04/02/2021 18:56	SA	8260B
1,2-Dichlorobenzene	ND		35.8	100	ug/m3	1	Prep - Volati	04/02/2021 18:56	SA	8260B
1,3-Dichlorobenzene	ND		33.3	100	ug/m3	1	Prep - Volati	04/02/2021 18:56	SA	8260B
1,4-Dichlorobenzene	ND		38.4	100	ug/m3	1	Prep - Volati	04/02/2021 18:56	SA	8260B
Dichlorodifluoromethane	ND		24.4	300	ug/m3	1	Prep - Volati	04/02/2021 18:56	SA	8260B
1,1-Dichloroethane	ND		37.2	100	ug/m3	1	Prep - Volati	04/02/2021 18:56	SA	8260B
1,2-Dichloroethane	ND		18.2	100	ug/m3	1	Prep - Volati	04/02/2021 18:56	SA	8260B
1,1-Dichloroethene	ND		35.5	100	ug/m3	1	Prep - Volati	04/02/2021 18:56	SA	8260B
cis-1,2-Dichloroethene	ND		27.9	100	ug/m3	1	Prep - Volati	04/02/2021 18:56	SA	8260B
trans-1,2-Dichloroethene	ND		17.6	100	ug/m3	1	Prep - Volati	04/02/2021 18:56	SA	8260B
1,2-Dichloropropane	ND		35.9	100	ug/m3	1	Prep - Volati	04/02/2021 18:56	SA	8260B
1,3-Dichloropropane	ND		20.5	100	ug/m3	1	Prep - Volati	04/02/2021 18:56	SA	8260B
2,2-Dichloropropane	ND		34.1	100	ug/m3	1	Prep - Volati	04/02/2021 18:56	SA	8260B
1,1-Dichloropropene	ND		21.0	100	ug/m3	1	Prep - Volati	04/02/2021 18:56	SA	8260B

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Amolk Brar, Lab Director

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Environmental Testing Services
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Enviroassessors, Inc.	Project: Souplantation	Work Order No: 2104016
1158 E. Route 66	Project Number: 1146-332-01-0001	**Reported:**
Glendora CA, 91740	Project Manager: Norman N. Sacro	04/09/2021 15:40

Analytical Results

Client Sample ID: SV-2

Laboratory Sample ID: 2104016-12 (Air)

Analyte	Result	Notes	MDL	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Volatile Organic Compounds				Batch ID: BD10338			Prepared: 04/02/2021 14:00			
cis-1,3-Dichloropropene	ND		12.2	100	ug/m3	1	Prep - Volati	04/02/2021 18:56	SA	8260B
trans-1,3-Dichloropropene	ND		10.0	100	ug/m3	1	Prep - Volati	04/02/2021 18:56	SA	8260B
Ethylbenzene	ND		20.9	100	ug/m3	1	Prep - Volati	04/02/2021 18:56	SA	8260B
n-Hexane	ND		100	100	ug/m3	1	Prep - Volati	04/02/2021 18:56	SA	8260B
Hexachlorobutadiene	ND		41.3	300	ug/m3	1	Prep - Volati	04/02/2021 18:56	SA	8260B
2-Hexanone	ND		94.4	500	ug/m3	1	Prep - Volati	04/02/2021 18:56	SA	8260B
Isopropylbenzene	ND		29.1	100	ug/m3	1	Prep - Volati	04/02/2021 18:56	SA	8260B
p-Isopropyltoluene	ND		46.8	100	ug/m3	1	Prep - Volati	04/02/2021 18:56	SA	8260B
Methyl tert-Butyl Ether (MTBE)	ND		24.0	200	ug/m3	1	Prep - Volati	04/02/2021 18:56	SA	8260B
4-Methyl-2-pentanone (MIBK)	ND		171	500	ug/m3	1	Prep - Volati	04/02/2021 18:56	SA	8260B
Methylene chloride	ND		469	500	ug/m3	1	Prep - Volati	04/02/2021 18:56	SA	8260B
Naphthalene	ND		37.5	100	ug/m3	1	Prep - Volati	04/02/2021 18:56	SA	8260B
n-Propylbenzene	ND		25.4	100	ug/m3	1	Prep - Volati	04/02/2021 18:56	SA	8260B
Styrene	ND		12.2	100	ug/m3	1	Prep - Volati	04/02/2021 18:56	SA	8260B
1,1,1,2-Tetrachloroethane	ND		14.1	100	ug/m3	1	Prep - Volati	04/02/2021 18:56	SA	8260B
1,1,2,2-Tetrachloroethane	ND		57.9	100	ug/m3	1	Prep - Volati	04/02/2021 18:56	SA	8260B
Tetrachloroethene	ND		42.1	100	ug/m3	1	Prep - Volati	04/02/2021 18:56	SA	8260B
Toluene	ND		28.2	100	ug/m3	1	Prep - Volati	04/02/2021 18:56	SA	8260B
1,2,3-Trichlorobenzene	ND		21.9	100	ug/m3	1	Prep - Volati	04/02/2021 18:56	SA	8260B
1,2,4-Trichlorobenzene	ND		45.1	100	ug/m3	1	Prep - Volati	04/02/2021 18:56	SA	8260B
1,1,1-Trichloroethane	ND		15.0	100	ug/m3	1	Prep - Volati	04/02/2021 18:56	SA	8260B
1,1,2-Trichloroethane	ND		23.3	100	ug/m3	1	Prep - Volati	04/02/2021 18:56	SA	8260B
Trichloroethene	ND		11.7	100	ug/m3	1	Prep - Volati	04/02/2021 18:56	SA	8260B
Trichlorofluoromethane	ND		29.4	100	ug/m3	1	Prep - Volati	04/02/2021 18:56	SA	8260B
1,2,3-Trichloropropane	ND		30.3	100	ug/m3	1	Prep - Volati	04/02/2021 18:56	SA	8260B
1,2,4- Trimethylbenzene	ND		45.1	100	ug/m3	1	Prep - Volati	04/02/2021 18:56	SA	8260B
1,3,5- Trimethylbenzene	ND		43.0	100	ug/m3	1	Prep - Volati	04/02/2021 18:56	SA	8260B
Vinyl acetate	ND		162	500	ug/m3	1	Prep - Volati	04/02/2021 18:56	SA	8260B
Vinyl chloride	ND		33.1	300	ug/m3	1	Prep - Volati	04/02/2021 18:56	SA	8260B
o-Xylene	ND		38.0	100	ug/m3	1	Prep - Volati	04/02/2021 18:56	SA	8260B
m,p-Xylenes	ND		47.6	200	ug/m3	1	Prep - Volati	04/02/2021 18:56	SA	8260B
Surrogate: 4-Bromofluorobenzene			*100 %*	*70-120*			Prep - Volati	04/02/2021 18:56	SA	*8260B*
Surrogate: Dibromofluoromethane			*95.4 %*	*70-120*			Prep - Volati	04/02/2021 18:56	SA	*8260B*
Surrogate: Toluene-d8			*102 %*	*70-120*			Prep - Volati	04/02/2021 18:56	SA	*8260B*

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Enviroassessors, Inc.	Project: Souplantation	Work Order No: 2104016
1158 E. Route 66	Project Number: 1146-332-01-0001	**Reported:**
Glendora CA, 91740	Project Manager: Norman N. Sacro	04/09/2021 15:40

Analytical Results

Client Sample ID: SV-3

Laboratory Sample ID: 2104016-13 (Air)

Analyte	Result	Notes	MDL	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Volatile Organic Compounds				Batch ID: BD10338			Prepared: 04/02/2021 14:00			
Acetone	ND		252	500	ug/m3	1	Prep - Volati	04/02/2021 19:27	SA	8260B
Benzene	ND		9.70	100	ug/m3	1	Prep - Volati	04/02/2021 19:27	SA	8260B
Bromobenzene	ND		29.1	100	ug/m3	1	Prep - Volati	04/02/2021 19:27	SA	8260B
Bromochloromethane	ND		16.9	100	ug/m3	1	Prep - Volati	04/02/2021 19:27	SA	8260B
Bromodichloromethane	ND		16.9	100	ug/m3	1	Prep - Volati	04/02/2021 19:27	SA	8260B
Bromoform	ND		28.4	500	ug/m3	1	Prep - Volati	04/02/2021 19:27	SA	8260B
Bromomethane	ND		17.4	300	ug/m3	1	Prep - Volati	04/02/2021 19:27	SA	8260B
2-Butanone (MEK)	ND		500	500	ug/m3	1	Prep - Volati	04/02/2021 19:27	SA	8260B
n-Butylbenzene	ND		36.3	100	ug/m3	1	Prep - Volati	04/02/2021 19:27	SA	8260B
sec-Butylbenzene	ND		33.8	100	ug/m3	1	Prep - Volati	04/02/2021 19:27	SA	8260B
tert-Butylbenzene	ND		23.5	100	ug/m3	1	Prep - Volati	04/02/2021 19:27	SA	8260B
Carbon disulfide	ND		46.3	100	ug/m3	1	Prep - Volati	04/02/2021 19:27	SA	8260B
Carbon tetrachloride	ND		14.4	100	ug/m3	1	Prep - Volati	04/02/2021 19:27	SA	8260B
Chlorobenzene	ND		17.6	100	ug/m3	1	Prep - Volati	04/02/2021 19:27	SA	8260B
Chloroethane	ND		32.8	100	ug/m3	1	Prep - Volati	04/02/2021 19:27	SA	8260B
2-Chloroethyl vinyl ether	ND		66.5	500	ug/m3	1	Prep - Volati	04/02/2021 19:27	SA	8260B
Chloroform	ND		24.7	100	ug/m3	1	Prep - Volati	04/02/2021 19:27	SA	8260B
Chloromethane	ND		17.4	300	ug/m3	1	Prep - Volati	04/02/2021 19:27	SA	8260B
4-Chlorotoluene	ND		14.7	100	ug/m3	1	Prep - Volati	04/02/2021 19:27	SA	8260B
2-Chlorotoluene	ND		31.1	100	ug/m3	1	Prep - Volati	04/02/2021 19:27	SA	8260B
1,2-Dibromo-3-chloropropane	ND		33.3	500	ug/m3	1	Prep - Volati	04/02/2021 19:27	SA	8260B
Dibromochloromethane	ND		30.0	100	ug/m3	1	Prep - Volati	04/02/2021 19:27	SA	8260B
1,2-Dibromoethane	ND		22.6	100	ug/m3	1	Prep - Volati	04/02/2021 19:27	SA	8260B
Dibromomethane	ND		31.6	100	ug/m3	1	Prep - Volati	04/02/2021 19:27	SA	8260B
1,2-Dichlorobenzene	ND		35.8	100	ug/m3	1	Prep - Volati	04/02/2021 19:27	SA	8260B
1,3-Dichlorobenzene	ND		33.3	100	ug/m3	1	Prep - Volati	04/02/2021 19:27	SA	8260B
1,4-Dichlorobenzene	ND		38.4	100	ug/m3	1	Prep - Volati	04/02/2021 19:27	SA	8260B
Dichlorodifluoromethane	ND		24.4	300	ug/m3	1	Prep - Volati	04/02/2021 19:27	SA	8260B
1,1-Dichloroethane	ND		37.2	100	ug/m3	1	Prep - Volati	04/02/2021 19:27	SA	8260B
1,2-Dichloroethane	ND		18.2	100	ug/m3	1	Prep - Volati	04/02/2021 19:27	SA	8260B
1,1-Dichloroethene	ND		35.5	100	ug/m3	1	Prep - Volati	04/02/2021 19:27	SA	8260B
cis-1,2-Dichloroethene	ND		27.9	100	ug/m3	1	Prep - Volati	04/02/2021 19:27	SA	8260B
trans-1,2-Dichloroethene	ND		17.6	100	ug/m3	1	Prep - Volati	04/02/2021 19:27	SA	8260B
1,2-Dichloropropane	ND		35.9	100	ug/m3	1	Prep - Volati	04/02/2021 19:27	SA	8260B
1,3-Dichloropropane	ND		20.5	100	ug/m3	1	Prep - Volati	04/02/2021 19:27	SA	8260B
2,2-Dichloropropane	ND		34.1	100	ug/m3	1	Prep - Volati	04/02/2021 19:27	SA	8260B

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Enviroassessors, Inc.	Project: Souplantation	Work Order No: 2104016
1158 E. Route 66	Project Number: 1146-332-01-0001	**Reported:**
Glendora CA, 91740	Project Manager: Norman N. Sacro	04/09/2021 15:40

Analytical Results

Client Sample ID: SV-3

Laboratory Sample ID: 2104016-13 (Air)

Analyte	Result	Notes	MDL	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Volatile Organic Compounds				Batch ID: BD10338			Prepared: 04/02/2021 14:00			
1,1-Dichloropropene	ND		21.0	100	ug/m3	1	Prep - Volati	04/02/2021 19:27	SA	8260B
cis-1,3-Dichloropropene	ND		12.2	100	ug/m3	1	Prep - Volati	04/02/2021 19:27	SA	8260B
trans-1,3-Dichloropropene	ND		10.0	100	ug/m3	1	Prep - Volati	04/02/2021 19:27	SA	8260B
Ethylbenzene	ND		20.9	100	ug/m3	1	Prep - Volati	04/02/2021 19:27	SA	8260B
n-Hexane	ND		100	100	ug/m3	1	Prep - Volati	04/02/2021 19:27	SA	8260B
Hexachlorobutadiene	ND		41.3	300	ug/m3	1	Prep - Volati	04/02/2021 19:27	SA	8260B
2-Hexanone	ND		94.4	500	ug/m3	1	Prep - Volati	04/02/2021 19:27	SA	8260B
Isopropylbenzene	ND		29.1	100	ug/m3	1	Prep - Volati	04/02/2021 19:27	SA	8260B
p-Isopropyltoluene	ND		46.8	100	ug/m3	1	Prep - Volati	04/02/2021 19:27	SA	8260B
Methyl tert-Butyl Ether (MTBE)	ND		24.0	200	ug/m3	1	Prep - Volati	04/02/2021 19:27	SA	8260B
4-Methyl-2-pentanone (MIBK)	ND		171	500	ug/m3	1	Prep - Volati	04/02/2021 19:27	SA	8260B
Methylene chloride	ND		469	500	ug/m3	1	Prep - Volati	04/02/2021 19:27	SA	8260B
Naphthalene	ND		37.5	100	ug/m3	1	Prep - Volati	04/02/2021 19:27	SA	8260B
n-Propylbenzene	ND		25.4	100	ug/m3	1	Prep - Volati	04/02/2021 19:27	SA	8260B
Styrene	ND		12.2	100	ug/m3	1	Prep - Volati	04/02/2021 19:27	SA	8260B
1,1,1,2-Tetrachloroethane	ND		14.1	100	ug/m3	1	Prep - Volati	04/02/2021 19:27	SA	8260B
1,1,2,2-Tetrachloroethane	ND		57.9	100	ug/m3	1	Prep - Volati	04/02/2021 19:27	SA	8260B
Tetrachloroethene	ND		42.1	100	ug/m3	1	Prep - Volati	04/02/2021 19:27	SA	8260B
Toluene	ND		28.2	100	ug/m3	1	Prep - Volati	04/02/2021 19:27	SA	8260B
1,2,3-Trichlorobenzene	ND		21.9	100	ug/m3	1	Prep - Volati	04/02/2021 19:27	SA	8260B
1,2,4-Trichlorobenzene	ND		45.1	100	ug/m3	1	Prep - Volati	04/02/2021 19:27	SA	8260B
1,1,1-Trichloroethane	ND		15.0	100	ug/m3	1	Prep - Volati	04/02/2021 19:27	SA	8260B
1,1,2-Trichloroethane	ND		23.3	100	ug/m3	1	Prep - Volati	04/02/2021 19:27	SA	8260B
Trichloroethene	ND		11.7	100	ug/m3	1	Prep - Volati	04/02/2021 19:27	SA	8260B
Trichlorofluoromethane	ND		29.4	100	ug/m3	1	Prep - Volati	04/02/2021 19:27	SA	8260B
1,2,3-Trichloropropane	ND		30.3	100	ug/m3	1	Prep - Volati	04/02/2021 19:27	SA	8260B
1,2,4- Trimethylbenzene	ND		45.1	100	ug/m3	1	Prep - Volati	04/02/2021 19:27	SA	8260B
1,3,5- Trimethylbenzene	ND		43.0	100	ug/m3	1	Prep - Volati	04/02/2021 19:27	SA	8260B
Vinyl acetate	ND		162	500	ug/m3	1	Prep - Volati	04/02/2021 19:27	SA	8260B
Vinyl chloride	ND		33.1	300	ug/m3	1	Prep - Volati	04/02/2021 19:27	SA	8260B
o-Xylene	ND		38.0	100	ug/m3	1	Prep - Volati	04/02/2021 19:27	SA	8260B
m,p-Xylenes	ND		47.6	200	ug/m3	1	Prep - Volati	04/02/2021 19:27	SA	8260B
Surrogate: 4-Bromofluorobenzene			*99.9 %*	*70-120*			Prep - Volati	04/02/2021 19:27	SA	*8260B*
Surrogate: Dibromofluoromethane			*92.9 %*	*70-120*			Prep - Volati	04/02/2021 19:27	SA	*8260B*
Surrogate: Toluene-d8			*101 %*	*70-120*			Prep - Volati	04/02/2021 19:27	SA	*8260B*

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Enviroassessors, Inc.	Project: Souplantation	Work Order No: 2104016
1158 E. Route 66	Project Number: 1146-332-01-0001	**Reported:**
Glendora CA, 91740	Project Manager: Norman N. Sacro	04/09/2021 15:40

Total Petroleum Hydrocarbons(TPH-g) - Quality Control Report

Analyte	Result	MDL	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BD10255 - 5030A - 8015B											
Blank (BD10255-BLK1)					Prepared & Analyzed: 04/05/202						
TPH GROs (C4-C12)	ND	250	500	ug/kg							
Surrogate: 4-Bromofluorobenzene	*7.98*			*ug/L*	*10.0*		*79.8*	*70-120*			
LCS (BD10255-BS1)					Prepared & Analyzed: 04/05/202						
TPH GROs (C4-C12)	470			ug/L	500		93.9	75-120			
Surrogate: 4-Bromofluorobenzene	*7.45*			*"*	*10.0*		*74.5*	*70-120*			
LCS Dup (BD10255-BSD1)					Prepared & Analyzed: 04/05/202						
TPH GROs (C4-C12)	470			ug/L	500		94.0	75-120	0.141	15	
Surrogate: 4-Bromofluorobenzene	*8.35*			*"*	*10.0*		*83.5*	*70-120*			
Matrix Spike (BD10255-MS1)		**Source: 2104016-10**			Prepared: 04/05/202 Analyzed: 04/06/202						
TPH GROs (C4-C12)	448			ug/L	500	24.7	84.6	75-120			
Surrogate: 4-Bromofluorobenzene	*10.3*			*"*	*10.0*		*103*	*70-120*			
Matrix Spike Dup (BD10255-MSD1)		**Source: 2104016-10**			Prepared: 04/05/202 Analyzed: 04/06/202						
TPH GROs (C4-C12)	402			ug/L	500	24.7	75.5	75-120	10.8	15	
Surrogate: 4-Bromofluorobenzene	*9.04*			*"*	*10.0*		*90.4*	*70-120*			

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Enviroassessors, Inc.	Project: Souplantation	Work Order No: 2104016
1158 E. Route 66	Project Number: 1146-332-01-0001	**Reported:**
Glendora CA, 91740	Project Manager: Norman N. Sacro	04/09/2021 15:40

Total Petroleum Hydrocarbons(TPH DROORO) - Quality Control Report

Analyte	Result	MDL	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BD10337 - 3550B - 8015B											
Blank (BD10337-BLK1)					Prepared: 04/05/202 Analyzed: 04/06/202						
TPH DROs (C13-C22)	ND	1.00	10.0	mg/kg							
TPH OROs (C23-C32)	ND	17.0	50.0	"							
Surrogate: Chlorobenzene	*111*			*mg/L*	*100*		*111*	*70-120*			
LCS (BD10337-BS1)					Prepared: 04/05/202 Analyzed: 04/06/202						
Diesel	518			mg/L	500		104	0-200			
Surrogate: Chlorobenzene	*105*			*"*	*100*		*105*	*70-120*			
LCS Dup (BD10337-BSD1)					Prepared: 04/05/202 Analyzed: 04/06/202						
Diesel	528			mg/L	500		106	0-200	1.91	200	
Surrogate: Chlorobenzene	*106*			*"*	*100*		*106*	*70-120*			
Matrix Spike (BD10337-MS1)		**Source: 2104016-01**			Prepared & Analyzed: 04/05/202						
Diesel	586			mg/L	500	0.00	117	75-120			
Surrogate: Chlorobenzene	*118*			*"*	*100*		*118*	*70-120*			
Matrix Spike Dup (BD10337-MSD1)		**Source: 2104016-01**			Prepared: 04/05/202 Analyzed: 04/06/202						
Diesel	584			mg/L	500	0.00	117	75-120	0.297	20	
Surrogate: Chlorobenzene	*114*			*"*	*100*		*114*	*70-120*			

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Enviroassessors, Inc.	Project: Souplantation	Work Order No: 2104016
1158 E. Route 66	Project Number: 1146-332-01-0001	**Reported:**
Glendora CA, 91740	Project Manager: Norman N. Sacro	04/09/2021 15:40

Volatile Organic Compounds - Quality Control Report

Analyte	Result	MDL	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BD10325 - 5030A - 8260B											
Blank (BD10325-BLK1)					Prepared & Analyzed: 04/05/202						
Acetone	ND	12.7	50.0	ug/kg							
Benzene	ND	0.930	2.00	"							
Bromobenzene	ND	3.39	10.0	"							
Bromochloromethane	ND	0.380	10.0	"							
Bromodichloromethane	ND	0.630	10.0	"							
Bromoform	ND	3.39	50.0	"							
Bromomethane	ND	2.75	30.0	"							
2-Butanone	ND	5.83	50.0	"							
n-Butylbenzene	ND	2.05	10.0	"							
sec-Butylbenzene	ND	3.04	10.0	"							
tert-Butylbenzene	ND	1.34	10.0	"							
Carbon disulfide	ND	5.53	10.0	"							
Carbon tetrachloride	ND	2.48	10.0	"							
Chlorobenzene	ND	0.890	10.0	"							
Chloroethane	ND	2.15	30.0	"							
2-Chloroethylvinyl Ether	ND	5.53	50.0	"							
Chloroform	ND	1.24	10.0	"							
Chloromethane	ND	1.74	30.0	"							
4-Chlorotoluene	ND	1.34	10.0	"							
2-Chlorotoluene	ND	2.35	10.0	"							
1,2-Dibromo-3-chloropropane	ND	2.69	50.0	"							
Dibromochloromethane	ND	0.650	10.0	"							
1,2-Dibromoethane	ND	2.75	10.0	"							
Dibromomethane	ND	2.30	10.0	"							
1,2-Dichlorobenzene	ND	1.65	10.0	"							
1,3-Dichlorobenzene	ND	1.03	10.0	"							
1,4-Dichlorobenzene	ND	2.23	10.0	"							
Dichlorodifluoromethane	ND	2.07	30.0	"							
1,1-Dichloroethane	ND	1.30	10.0	"							
1,2-Dichloroethane	ND	1.57	10.0	"							
1,1-Dichloroethene	ND	1.60	10.0	"							
cis-1,2-Dichloroethene	ND	2.16	10.0	"							
trans-1,2-Dichloroethene	ND	2.60	10.0	"							
1,1-Dichloropropene	ND	0.660	10.0	"							
1,2-Dichloropropane	ND	0.920	10.0	"							
1,3-Dichloropropane	ND	1.36	10.0	"							
2,2-Dichloropropane	ND	1.12	10.0	"							
cis-1,3-Dichloropropene	ND	0.980	10.0	"							
trans-1,3-Dichloropropene	ND	0.960	10.0	"							
Ethylbenzene	ND	1.00	2.00	"							
Hexachlorobutadiene	ND	2.77	30.0	"							

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Volatile Organic Compounds - Quality Control Report

Analyte	Result	MDL	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BD10325 - 5030A - 8260B											
Blank (BD10325-BLK1)					Prepared & Analyzed: 04/05/202						
2-Hexanone	ND	3.18	50.0	ug/kg							
Isopropylbenzene	ND	1.42	10.0	"							
p-Isopropyltoluene	ND	3.86	10.0	"							
Methyl tert-Butyl Ether (MTBE)	ND	1.81	5.00	"							
4-Methyl-2-pentanone (MIBK)	ND	3.14	50.0	"							
Methylene chloride	ND	3.31	50.0	"							
Naphthalene	ND	1.14	10.0	"							
n-Propylbenzene	ND	1.14	10.0	"							
Styrene	ND	0.800	10.0	"							
1,1,1,2-Tetrachloroethane	ND	1.28	10.0	"							
1,1,2,2-Tetrachloroethane	ND	3.25	10.0	"							
Tetrachloroethene	ND	0.930	10.0	"							
Toluene	ND	1.00	2.00	"							
1,2,3-Trichlorobenzene	ND	1.23	10.0	"							
1,2,4-Trichlorobenzene	ND	2.82	10.0	"							
1,1,1-Trichloroethane	ND	2.03	10.0	"							
1,1,2-Trichloroethane	ND	1.74	10.0	"							
Trichloroethene	ND	1.15	10.0	"							
Trichlorofluoromethane	ND	3.15	10.0	"							
1,2,3-Trichloropropane	ND	1.74	10.0	"							
1,2,4-Trimethylbenzene	ND	3.19	10.0	"							
1,3,5- Trimethylbenzene	ND	1.23	10.0	"							
Vinyl acetate	ND	10.8	50.0	"							
Vinyl chloride	ND	2.79	30.0	"							
m,p-Xylenes	ND	1.80	4.00	"							
o-Xylene	ND	1.00	2.00	"							
LCS (BD10325-BS1)					Prepared & Analyzed: 04/05/202						
Benzene	50.0			ug/L	50.0		99.9	75-120			
Chlorobenzene	53.7			"	50.0		107	80-120			
1,1-Dichloroethene	53.4			"	50.0		107	75-120			
Methyl tert-Butyl Ether (MTBE)	49.6			"	50.0		99.3	75-120			
Toluene	49.8			"	50.0		99.6	75-120			
Trichloroethene	48.4			"	50.0		96.8	75-120			

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1158 E. Route 66	Project Number: 1146-332-01-0001	**Reported:**
Glendora CA, 91740	Project Manager: Norman N. Sacro	04/09/2021 15:40

Volatile Organic Compounds - Quality Control Report

Analyte	Result	MDL	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BD10325 - 5030A - 8260B											
LCS Dup (BD10325-BSD1)					Prepared & Analyzed: 04/05/202						
Benzene	45.6			ug/L	50.0		91.3	75-120	9.02	20	
Chlorobenzene	50.9			"	50.0		102	80-120	5.32	20	
1,1-Dichloroethene	46.8			"	50.0		93.5	75-120	13.3	15	
Methyl tert-Butyl Ether (MTBE)	43.7			"	50.0		87.3	75-120	12.8	15	
Toluene	45.1			"	50.0		90.2	75-120	9.84	15	
Trichloroethene	43.8			"	50.0		87.5	75-120	10.1	20	
Matrix Spike (BD10325-MS1)		**Source: 2104016-01**			Prepared: 04/05/202 Analyzed: 04/06/202						
Benzene	58.4			ug/L	50.0	0.120	116	75-120			
Chlorobenzene	60.8			"	50.0	0.00	122	75-120			QM-05
1,1-Dichloroethene	56.1			"	50.0	0.00	112	75-120			
Methyl tert-Butyl Ether (MTBE)	53.8			"	50.0	0.00	108	75-120			
Toluene	56.5			"	50.0	0.00	113	75-120			
Trichloroethene	54.1			"	50.0	0.00	108	75-120			
Matrix Spike Dup (BD10325-MSD1)		**Source: 2104016-01**			Prepared: 04/05/202 Analyzed: 04/06/202						
Benzene	58.2			ug/L	50.0	0.120	116	75-120	0.343	15	
Chlorobenzene	60.9			"	50.0	0.00	122	75-120	0.181	15	QM-05
1,1-Dichloroethene	58.1			"	50.0	0.00	116	75-120	3.55	15	
Methyl tert-Butyl Ether (MTBE)	57.7			"	50.0	0.00	115	75-120	6.98	15	
Toluene	56.2			"	50.0	0.00	112	75-120	0.621	15	
Trichloroethene	53.0			"	50.0	0.00	106	75-120	2.05	15	
Batch BD10338 - No Prep - Volatiles - 8260B											
Blank (BD10338-BLK1)					Prepared & Analyzed: 04/02/202						
Acetone	ND	2520	5000	ug/m3							
Benzene	ND	97.0	1000	"							
Bromobenzene	ND	291	1000	"							
Bromochloromethane	ND	169	1000	"							
Bromodichloromethane	ND	169	1000	"							
Bromoform	ND	284	5000	"							
Bromomethane	ND	174	3000	"							
2-Butanone (MEK)	ND	5000	5000	"							
n-Butylbenzene	ND	363	1000	"							
sec-Butylbenzene	ND	338	1000	"							
tert-Butylbenzene	ND	235	1000	"							
Carbon disulfide	ND	463	1000	"							
Carbon tetrachloride	ND	144	1000	"							
Chlorobenzene	ND	176	1000	"							
Chloroethane	ND	328	1000	"							
2-Chloroethyl vinyl ether	ND	665	5000	"							

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Enviroassessors, Inc.	Project: Souplantation	Work Order No: 2104016
1158 E. Route 66	Project Number: 1146-332-01-0001	**Reported:**
Glendora CA, 91740	Project Manager: Norman N. Sacro	04/09/2021 15:40

Volatile Organic Compounds - Quality Control Report

Analyte	Result	MDL	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BD10338 - No Prep - Volatiles - 8260B											
Blank (BD10338-BLK1)					Prepared & Analyzed: 04/02/202						
Chloroform	ND	247	1000	ug/m3							
Chloromethane	ND	174	3000	"							
4-Chlorotoluene	ND	147	1000	"							
2-Chlorotoluene	ND	311	1000	"							
1,2-Dibromo-3-chloropropane	ND	333	5000	"							
Dibromochloromethane	ND	300	1000	"							
1,2-Dibromoethane	ND	226	1000	"							
Dibromomethane	ND	316	1000	"							
1,2-Dichlorobenzene	ND	358	1000	"							
1,3-Dichlorobenzene	ND	333	1000	"							
1,4-Dichlorobenzene	ND	384	1000	"							
Dichlorodifluoromethane	ND	244	3000	"							
1,1-Dichloroethane	ND	372	1000	"							
1,2-Dichloroethane	ND	182	1000	"							
1,1-Dichloroethene	ND	355	1000	"							
cis-1,2-Dichloroethene	ND	279	1000	"							
trans-1,2-Dichloroethene	ND	176	1000	"							
1,2-Dichloropropane	ND	359	1000	"							
1,3-Dichloropropane	ND	205	1000	"							
2,2-Dichloropropane	ND	341	1000	"							
1,1-Dichloropropene	ND	210	1000	"							
cis-1,3-Dichloropropene	ND	122	1000	"							
trans-1,3-Dichloropropene	ND	100	1000	"							
Ethylbenzene	ND	209	1000	"							
n-Hexane	ND	1000	1000	"							
Hexachlorobutadiene	ND	413	3000	"							
2-Hexanone	ND	944	5000	"							
Isopropylbenzene	ND	291	1000	"							
p-Isopropyltoluene	ND	468	1000	"							
Methyl tert-Butyl Ether (MTBE)	ND	240	2000	"							
4-Methyl-2-pentanone (MIBK)	ND	1710	5000	"							
Methylene chloride	ND	4690	5000	"							
Naphthalene	ND	375	1000	"							
n-Propylbenzene	ND	254	1000	"							
Styrene	ND	122	1000	"							
1,1,1,2-Tetrachloroethane	ND	141	1000	"							
1,1,2,2-Tetrachloroethane	ND	579	1000	"							
Tetrachloroethene	ND	421	1000	"							
Toluene	ND	282	1000	"							
1,2,3-Trichlorobenzene	ND	219	1000	"							
1,2,4-Trichlorobenzene	ND	451	1000	"							

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1158 E. Route 66	Project Number: 1146-332-01-0001	**Reported:**
Glendora CA, 91740	Project Manager: Norman N. Sacro	04/09/2021 15:40

Volatile Organic Compounds - Quality Control Report

Analyte	Result	MDL	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BD10338 - No Prep - Volatiles - 8260B											
Blank (BD10338-BLK1)					Prepared & Analyzed: 04/02/202						
1,1,1-Trichloroethane	ND	150	1000	ug/m3							
1,1,2-Trichloroethane	ND	233	1000	"							
Trichloroethene	ND	117	1000	"							
Trichlorofluoromethane	ND	294	1000	"							
1,2,3-Trichloropropane	ND	303	1000	"							
1,2,4- Trimethylbenzene	ND	451	1000	"							
1,3,5- Trimethylbenzene	ND	430	1000	"							
Vinyl acetate	ND	1620	5000	"							
Vinyl chloride	ND	331	3000	"							
o-Xylene	ND	380	1000	"							
m,p-Xylenes	ND	476	2000	"							
LCS (BD10338-BS1)					Prepared & Analyzed: 04/02/202						
Benzene	46.8			ug/L	50.0		93.5	75-120			
Chlorobenzene	47.2			"	50.0		94.3	75-120			
1,1-Dichloroethene	44.7			"	50.0		89.4	75-120			
Toluene	48.0			"	50.0		96.0	75-120			
Trichloroethene	45.8			"	50.0		91.6	75-120			
LCS Dup (BD10338-BSD1)					Prepared & Analyzed: 04/02/202						
Benzene	47.2			ug/L	50.0		94.4	75-120	0.937	15	
Chlorobenzene	45.9			"	50.0		91.8	75-120	2.66	15	
1,1-Dichloroethene	44.6			"	50.0		89.1	75-120	0.269	15	
Toluene	48.3			"	50.0		96.6	75-120	0.665	15	
Trichloroethene	45.3			"	50.0		90.6	75-120	1.12	15	
Matrix Spike (BD10338-MS1)		**Source: 2104016-11**			Prepared & Analyzed: 04/02/202						
Benzene	48.4			ug/L	50.0	0.00	96.9	75-120			
Chlorobenzene	47.1			"	50.0	0.00	94.2	75-120			
1,1-Dichloroethene	46.4			"	50.0	0.00	92.8	75-120			
Toluene	49.1			"	50.0	0.00	98.2	75-120			
Trichloroethene	46.4			"	50.0	0.00	92.9	75-120			

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Glendora CA, 91740	Project Manager: Norman N. Sacro	04/09/2021 15:40

Volatile Organic Compounds - Quality Control Report

Analyte	Result	MDL	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BD10338 - No Prep - Volatiles - 8260B											
Matrix Spike Dup (BD10338-MSD1)		**Source: 2104016-11**			Prepared & Analyzed: 04/02/202						
Benzene	47.6			ug/L	50.0	0.00	95.2	75-120	1.75	15	
Chlorobenzene	46.1			"	50.0	0.00	92.1	75-120	2.25	15	
1,1-Dichloroethene	45.0			"	50.0	0.00	90.0	75-120	3.04	15	
Toluene	48.4			"	50.0	0.00	96.8	75-120	1.50	15	
Trichloroethene	46.0			"	50.0	0.00	92.1	75-120	0.908	15	



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Notes and Definitions

QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the practical quantitation limit (PQL)
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Appendix G

Low Impact Development Report, prepared by Labib Funk and Associates

Labib Funk + Associates
Structural | Shoring | Civil | EBM
Burnett + Young

LOW IMPACT DEVELOPMENT REPORT
FOR

Project Name:
THE DERBY
233 E Huntington Dr,
Arcadia, CA 91006

Prepared for:
City of Arcadia

Prepared by:
Labib Funk+ Associates
Structural | Shoring | Civil Consulting Engineers
319 Main St.
El Segundo, California 90245
JLA Job # 22405
July 22, 2022

TABLE OF CONTENTS

1.0 Project Summary
- 1.1 Existing Conditions
- 1.2 Proposed Conditions

2.0 Low Impact Development
- 2.1 Methodology
- 2.2 BMP Feasibility Screening
- 2.3 Proposed Treatment System

Appendices

Appendix A – LID Calculations
Appendix B – BMP Exhibit
Appendix C – BMP Operation and Maintenance Plan (O&M)
Appendix D – Soils Report

1.0 PROJECT SUMMARY

1.1 Existing Conditions

The existing project site is located across Lots 12 through 20 on the North side of Huntington Dr. in the city of Arcadia, California. The site is composed of restaurants buildings and bounded to the west of Gateway Dr and the East of asphalt paved parking lot and on the North by a Hampton Inn. According to the project geotechnical report (Appendix D), the existing historic high groundwater for the site is on the order of 150 feet below the ground surface. The proposed site is not located in a state zone liquefaction area.

1.2 Proposed Conditions

The proposed project is a 205-unit mixed-use development consisting of five levels of residential construction totaling approximately 206,750 SF over one level of podium retail/parking over one level of subterranean parking totaling approximately 179,860 SF. Stormwater runoff from the proposed building will be collected via roof drains and area drains and conveyed to an infiltration drywell in the basement designed to capture the 85th percentile rain event.

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2.0 LOW IMPACT DEVELOPMENT (LID)

2.1 Methodology

The County of Los Angeles Low Impact Development Standards were used to determine the appropriate storm water mitigation solution for the proposed project.

The LA County LID Standards require that the proposed project mitigate the runoff volume for the first 0.75 inches of runoff or 85th Percentile Storm Event, whichever is greater, from the proposed improvements. The proposed project must retain this peak mitigated volume (Vm) on-site. The design storm depth for the BMP will be 1.1 inches instead of 0.75 inches as noted in the isohyetal map as shown in Appendix A.

2.2 BMP Feasibility Screening

Infiltration at the proposed project site is feasible due to lack of found groundwater and the measured average saturated percolation rate (11.20 in/hr) or the design infiltration rate (3.73in/hr) per the Soils Report. (Appendix D). Therefore, a deep infiltration system is the proposed solution for LID.

2.3 Proposed Treatment System

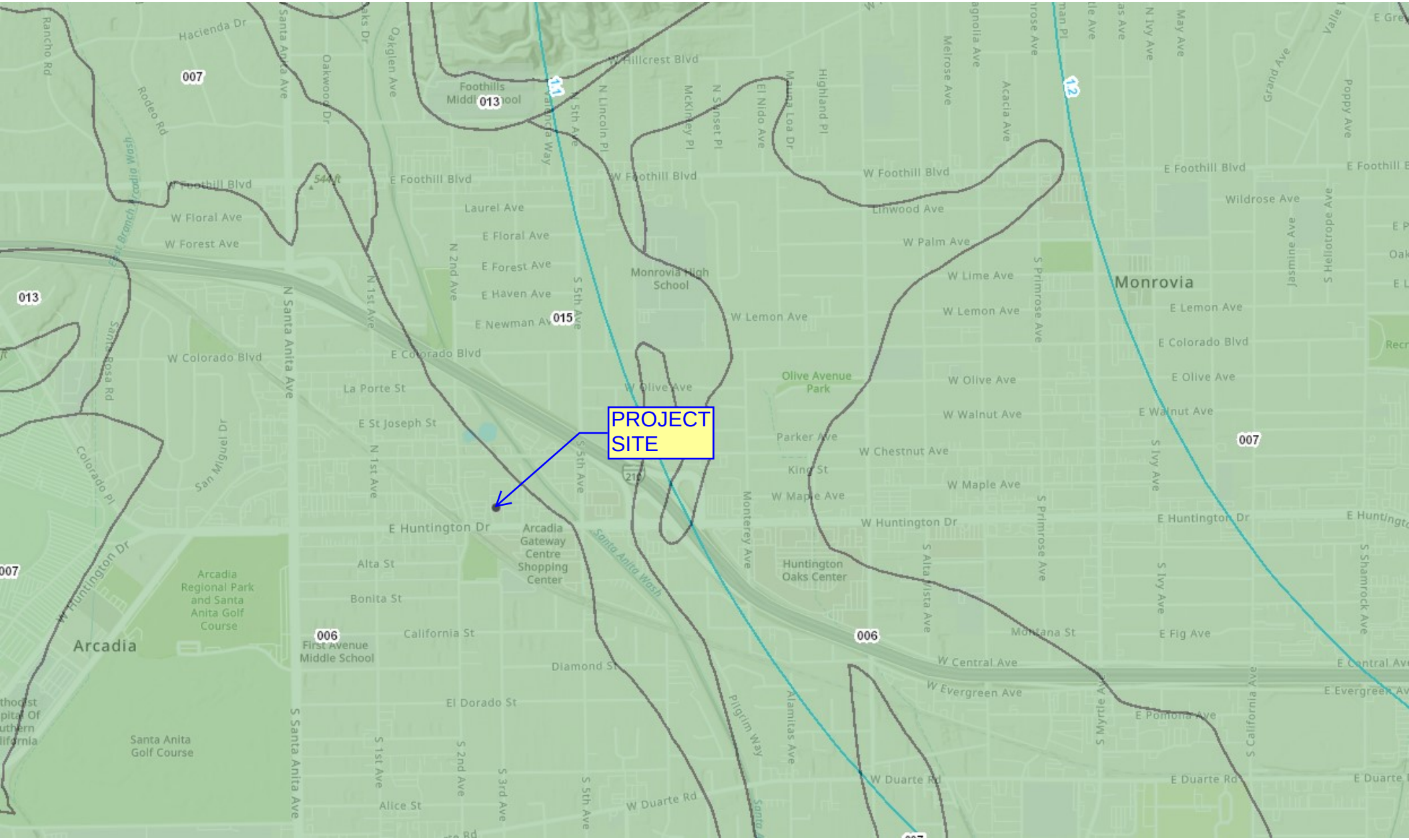
Stormwater runoff from the proposed building and site will be collected via roof drains and area drains and conveyed to an infiltration drywell system in the basement designed to capture the 85th percentile rain event. The infiltration drywell being proposed is the MaxWell IV manufactured by Torrent Resources. The drywell is equipped with a concrete settling basin which acts as the primary pre-treatment unit. Overflow will be directed to a sump pump in the basement, and from there it will be pumped to a gravity fed parkway drain.

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APPENDIX A
LID Calculation

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PROJECT SITE
E Huntington Dr
Arcadia Gateway Centre Shopping Center
Arcadia Regional Park and Santa Anita Golf Course
Arcadia
First Avenue Middle School
Santa Anita Golf Course
Foothills Middle School
Monrovia High School
Olive Avenue Park
Huntington Oaks Center
Monrovia
Santa Anita Wash
E Foothill Blvd
W Foothill Blvd
W Colorado Blvd
E Colorado Blvd
W Olive Ave
E Olive Ave
W Lemon Ave
E Lemon Ave
W Palm Ave
W Lime Ave
W Walnut Ave
E Walnut Ave
W Chestnut Ave
W Maple Ave
E Huntington Dr
W Huntington Dr
W Central Ave
E Fig Ave
W Evergreen Ave
E Pomona Ave
W Duarte Rd
E Duarte Rd
W Hillcrest Blvd
W Floral Ave
E Floral Ave
W Forest Ave
E Forest Ave
E Haven Ave
E Newman Ave
Laurel Ave
La Porte St
E St Joseph St
Alta St
Bonita St
California St
Diamond St
El Dorado St
Alice St
Hacienda Dr
Rancho Rd
Rodeo Rd
Oakwood Dr
Oakglen Ave
Santa Anita Ave
N Santa Anita Ave
S Santa Anita Ave
N 1st Ave
S 1st Ave
N 2nd Ave
S 2nd Ave
S 3rd Ave
N 5th Ave
S 5th Ave
N Lincoln Pl
McKinley Pl
N Sunset Pl
El Nido Ave
Monterey Ave
Alamitas Ave
Pilgrim Way
Santa Rosa Rd
San Miguel Dr
Colorado Pl
W Huntington Dr
Highland Pl
Melrose Ave
Acacia Ave
Linwood Ave
Wildrose Ave
Jasmine Ave
S Helliotrope Ave
S Primrose Ave
S Ivy Ave
S Myrtle Ave
S California Ave
S Shamrock Ave
Grand Ave
Poppy Ave
May Ave
N Ivy Ave
Parker Ave
King St
Montana St
007
013
015
006
210
1.1
1.2

Peak Flow Hydrologic Analysis

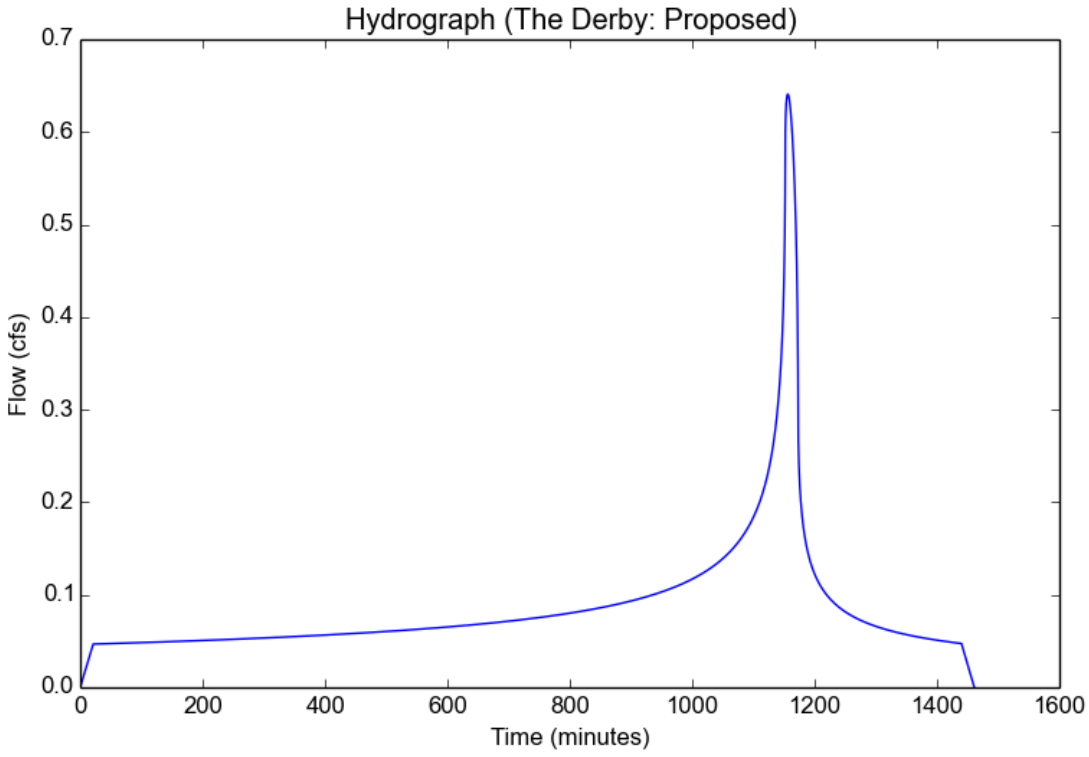
File location: Q:/22405 - The Derby - 233 & 301 Huntington Dr/LFA C/C E/01 STORM/LID/01 CALCS AND REPORT/The Derby - Proposed 85th percenti
Version: HydroCalc 1.0.3

Input Parameters

Project Name	The Derby
Subarea ID	Proposed
Area (ac)	2.25
Flow Path Length (ft)	479.0
Flow Path Slope (vft/hft)	0.0143
85th Percentile Rainfall Depth (in)	1.1
Percent Impervious	0.94
Soil Type	6
Design Storm Frequency	85th percentile storm
Fire Factor	0
LID	True

Output Results

Modeled (85th percentile storm) Rainfall Depth (in)	1.1
Peak Intensity (in/hr)	0.3343
Undeveloped Runoff Coefficient (Cu)	0.1
Developed Runoff Coefficient (Cd)	0.852
Time of Concentration (min)	21.0
Clear Peak Flow Rate (cfs)	0.6409
Burned Peak Flow Rate (cfs)	0.6409
24-Hr Clear Runoff Volume (ac-ft)	0.1743
24-Hr Clear Runoff Volume (cu-ft)	7591.3625



APPENDIX B
BMP Exhibit

319 Main Street
El Segundo, California 90245
t:213/239 9700

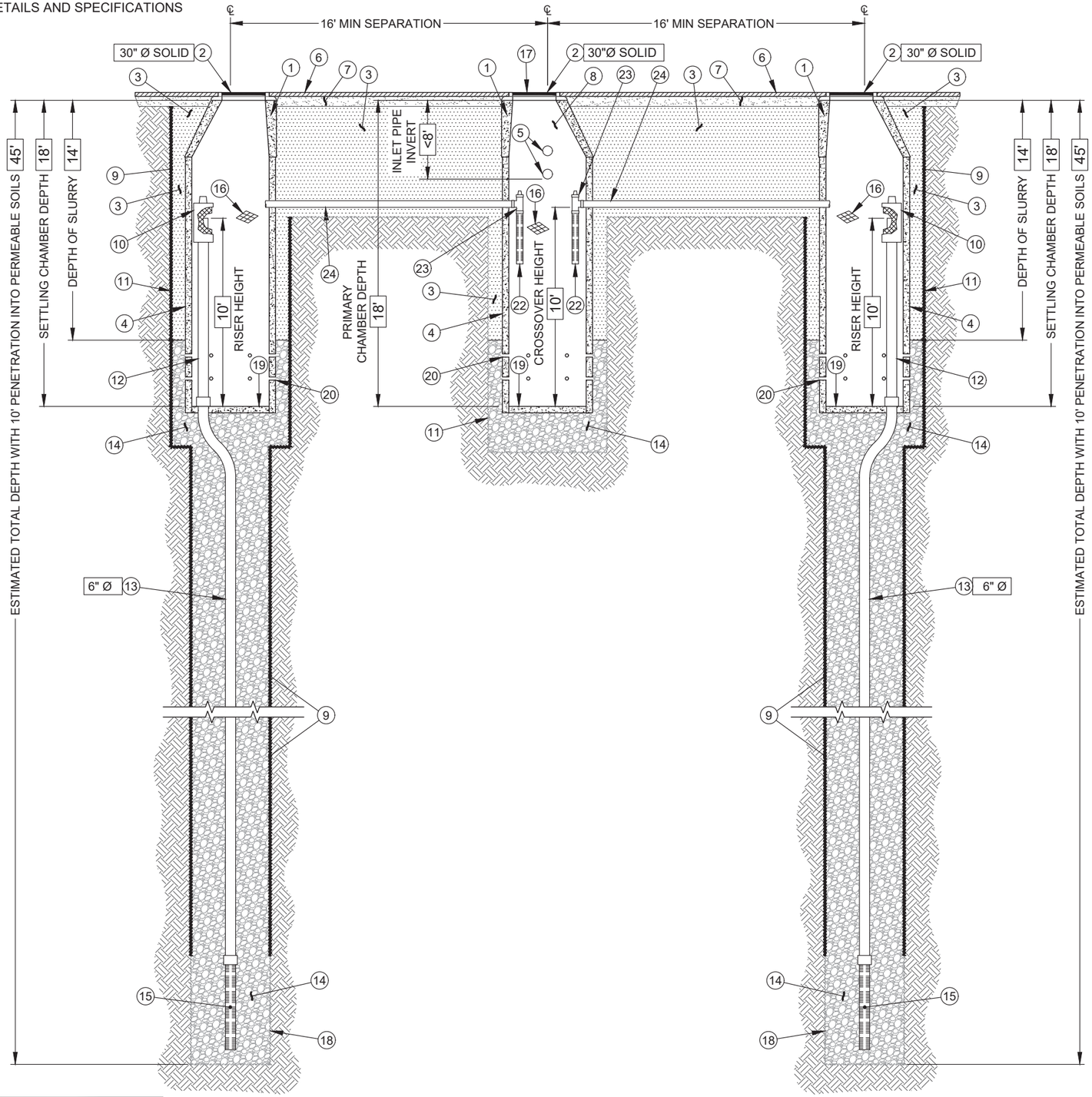
info@labibse.com
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The MaxWell® Plus

DRAINAGE SYSTEM DETAILS AND SPECIFICATIONS

The Derby

Arcadia, CA



ITEM NUMBERS

1. **MANHOLE CONE** - MODIFIED FLAT BOTTOM.
2. **BOLTED RING & COVER** - DIAMETER & TYPE AS SHOWN. CLEAN CAST IRON PRESSURIZED COVER WITH GASKET (NEENAH R-6462-HH). BOLTED. RIM ELEVATION±0.02' OF PLANS.
3. **STABILIZED BACKFILL** - TWO-SACK SLURRY MIX.
4. **PRE-CAST LINER -** 4000 PSI CONCRETE 48" ID. X 54" OD. **CENTER IN HOLE** AND ALIGN SECTIONS **TO MAXIMIZE BEARING SURFACE.**
5. **INLET PIPE/OUTLET PIPE (BY OTHERS). SEE SEPARATE PLAN FOR INVERT ELEVATIONS.**
6. **GRADED BASIN OR PAVING** (BY OTHERS).
7. **COMPACTED BASE MATERIAL**, IF REQUIRED (BY OTHERS).
8. **FREEBOARD DEPTH VARIES** WITH INLET PIPE ELEVATION. INCREASE PRIMARY AND SECONDARY CHAMBER DEPTHS AS NEEDED TO MAINTAIN ALL INLET PIPE ELEVATIONS ABOVE RISER PIPE.
9. **NON-WOVEN GEOTEXTILE SLEEVE** - MIRAFI 140 NL. MIN. 6 FT Ø. HELD APPROX. 10 FEET OFF THE BOTTOM OF EXCAVATION.
10. **PUREFLO® DEBRIS SHIELD** - ROLLED 16 GA. STEEL X 24" LENGTH WITH VENTED ANTI-SIPHON AND INTERNAL 0.265" MAX. SWO FLATTENED EXPANDED STEEL SCREEN X 12" LENGTH. **FUSION BONDED EPOXY COATED**.
11. **MIN. 6' Ø DRILLED SHAFT.**
12. **RISER PIPE** - SCH. 40 PVC MATED TO DRAINAGE PIPE AT BASE SEAL.
13. **DRAINAGE PIPE** - ADS HIGHWAY GRADE OR SCH. 40 PVC WITH TRI-A COUPLER. SUSPEND PIPE DURING BACKFILL OPERATIONS. DIAMETER AS NOTED.
14. **ROCK** - WASHED, SIZED BETWEEN 3/8" AND 1-1/2".
15. **FLOFAST® DRAINAGE SCREEN** - SCH. 40 PVC 0.120" SLOTTED WELL SCREEN WITH 32 SLOTS PER ROW/FT. OVERALL LENGTH VARIES, UP TO 120" WITH TRI-B COUPLER.
16. **ABSORBENT** - HYDROPHOBIC PETROCHEMICAL SPONGE. MIN. 128 OZ. CAPACITY. TYPICAL, 2 PER CHAMBER.
17. **FABRIC SEAL** - U.V. RESISTANT GEOTEXTILE - **TO BE REMOVED BY CUSTOMER** AT PROJECT COMPLETION. GRATED ONLY.
18. **MIN. 4' Ø DRILLED SHAFT.**
19. **BASE SEAL** - CONCRETE SLURRY.
20. **6 PERFORATIONS MINIMUM PER FOOT, 2 ROWS MINIMUM.**
21. NOT USED.
22. **INTAKE SCREEN** - 4" Ø SCH. 40 PVC 0.120" MODIFIED SLOTTED WELL SCREEN WITH 32 SLOTS PER ROW/ FT. 48" OVERALL LENGTH WITH TRI-C END CAP.
23. **VENTED ANTI-SIPHON INTAKE WITH FLOW REGULATOR.**
24. **CONNECTOR PIPE** - 4" Ø SCH. 40 PVC.

USE W5 WWF AT 5" ON CENTER

DETAIL : DPD-4-SS-CA	REVISED BY: AB	
DRAWN ON: 05-17-19	REVISED DATE: 06-30-22	SCALE: N.T.S

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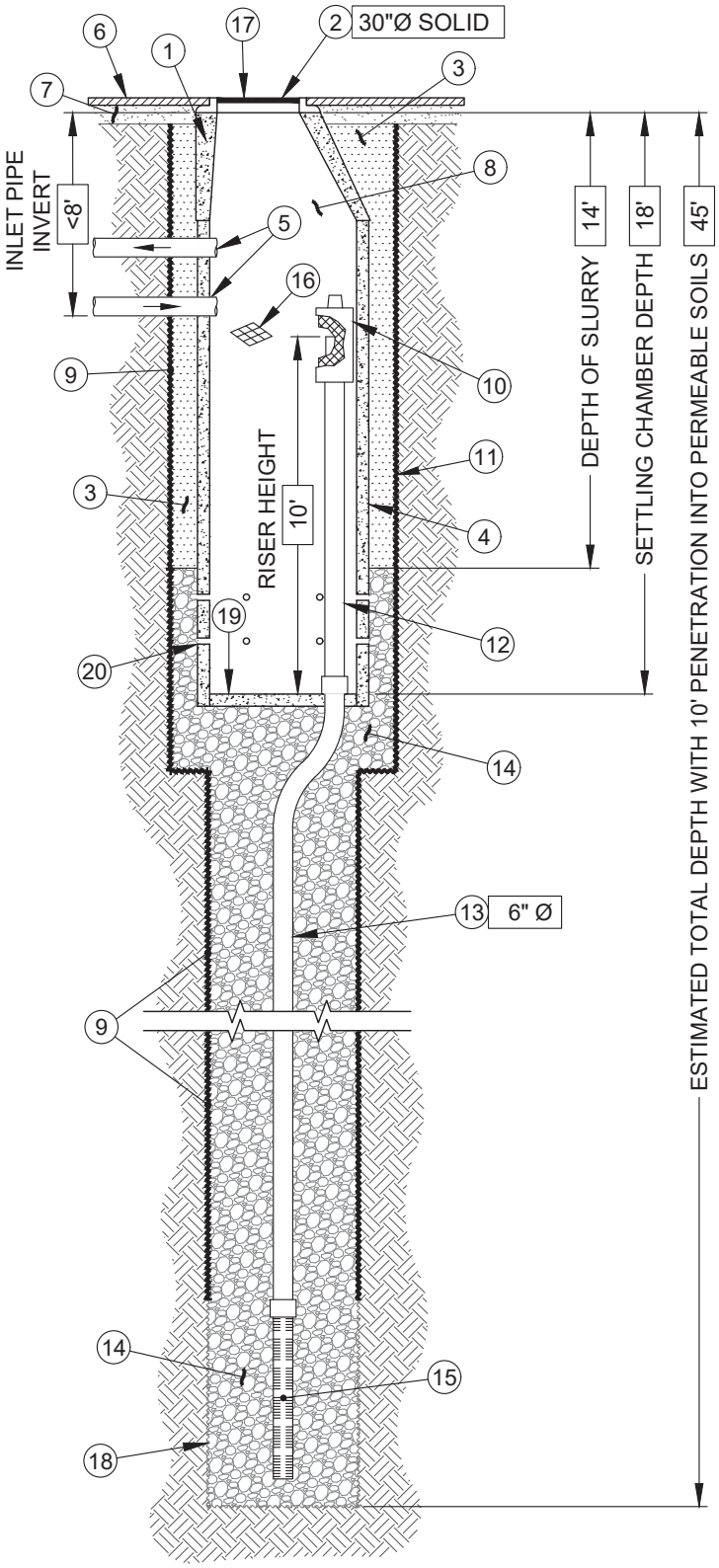
ARIZONA 602-268-0785

The MaxWell® IV

DRAINAGE SYSTEM DETAILS AND SPECIFICATIONS

The Derby

Arcadia, CA



ITEM NUMBERS

1. **MANHOLE CONE** - MODIFIED FLAT BOTTOM.
2. **BOLTED RING & COVER** - DIAMETER & TYPE AS SHOWN. CLEAN CAST IRON PRESSURIZED COVER WITH GASKET (NEENAH R-6462-HH). BOLTED. RIM ELEVATION±0.02' OF PLANS.
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20. **6 PERFORATIONS MINIMUM PER FOOT, 2 ROWS MINIMUM.**

USE W5 WWF AT 5" ON CENTER

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Also licensed in the following states: MT, NM, NV, OR, TX, UT, and WA.

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DETAIL :	IV-4-SS-CA	REVISED BY:	AB		
DRAWN ON:	05-14-19	REVISED DATE:	06-30-22	SCALE:	N.T.S

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ARIZONA 602-268-0785

APPENDIX C
BMP Operation and Maintenance Plan (O&M)

319 Main Street
El Segundo, California 90245
t:213/239 9700

info@labibse.com
www.labibse.com

OPERATION AND MAINTENANCE OF *MaxWell*® DRYWELL

The Operation and Maintenance Format will include the following key components:

1.) Inspection Guidelines:

New installations

Newly installed systems should receive a thorough visual examination following the first several significant rainfall events. This assessment will assure that there is no standing water, and that runoff or nuisance water flows are being eliminated within the allowable 48 hour draw-down timeframe.

Ongoing Operations

At a minimum, the drainage structures should be inspected annually, and within 48 hours following a significant storm event to ensure that there is no standing water in the chambers.

2.) Maintenance Format:

After the first 12-months of entering service, it is recommended that an initial cleaning be undertaken. This will help to establish the amount of accumulated particulate matter and debris to be expected on a yearly basis. Thereafter, the systems should receive inspection at least annually, and cleaning should be undertaken when the evaluation reveals that 15% or more of the original chamber volume is occupied by silt and sediment.

During the maintenance operation, all screens and filters should be serviced and the floating absorbent blankets replaced, along with the geo-textile fabric at the bottom of the chambers. Should repair be needed, descriptions of deficiencies and estimated costs for suggested corrections should be provided. The above information shall be submitted in writing to the Owner at the conclusion of the maintenance service. Replacement is recommended for drywells that no longer dispose of ponded water within 48 hours after cleaning.

3.) Maintenance Records:

A written log shall be kept on-site of all inspections and maintenance performed on the drainage systems.

Torrent Resources Incorporated
1509 East Elwood Street
Phoenix Arizona 85040-1391

phone 602-268-0785
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NV Lic. 0035350 A - NM Lic. 90504 GF04

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Maxwell® Plus Drainage System Calculations Prepared on June 30, 2022
Project: **The Derby - Arcadia, CA**
Contact: Darshil Jha at Labib Funk + Associates - El Segundo, CA

Given: Drywell to be located in subsurface parking 10' bgs. All depths are -10'

Measured Infiltration Rate	11.20	in/hr	
Safety Factor	3.00		
Design Infiltration Rate	3.73	in/hr	
Mitigated Volume	7,591	ft^3	
Required Drawdown Time	96	hours	
Min. Depth to Infiltration	10	ft	
Groundwater Depth for Design	140	ft	150'-10'

Proposed:

Drywell Rock Shaft Diameter	4	ft
Primary Chamber Depth	18	ft
Drywell Chamber Depth	18	ft
Rock Porosity	40	%
Depth to Infiltration	14	ft
Drywell Bottom Depth	45	ft

Apply Safety Factor to get Design Rate.

$11.20 \frac{in}{hr} \div 3 = 3.73 \frac{in}{hr}$

Convert Design Rate from in/hr to ft/sec.

$3.73 \frac{in}{hr} \times \frac{1\ ft}{12\ in} \times \frac{1\ hr}{3600\ sec} = 0.000086 \frac{ft}{sec}$

A 4 foot diameter drywell provides 12.57 SF of infiltration area per foot of depth, plus 12.57 SF at the bottom.

For a 45 foot deep drywell, infiltration occurs between 14 feet and 45 feet below grade. This provides 31 feet of infiltration depth in addition to the bottom area. Infiltration area per drywell is calculated below.

$6\ ft \times 18.85 \frac{ft^2}{ft} + 25\ ft \times 12.57 \frac{ft^2}{ft} + 12.57\ ft^2 = 440\ ft^2$

Combine design rate with infiltration area to get flow (disposal) rate for each drywell.

$0.000086 \frac{ft}{sec} \times 440\ ft^2 = 0.03801 \frac{ft^3}{sec}$

Volume of disposal for each drywell based on various time frames are included below.

96 hrs: 0.038 CFS x 96 hours x $\frac{3600\ sec}{1\ hr}$ = 13,136 cubic feet of retained water disposed of.

Chamber diameter = 4 feet. Drywell rock shaft diameter = 4 feet.

Volume provided in each primary settling chamber with depth of 18 feet.

$18\ ft \times 12.57\ ft^2 = 226\ ft^3$

Volume provided in each drywell with chamber depth of 18 feet.

$18\ ft \times 12.57\ ft^2 + 2\ ft \times 28.27\ ft^2 \times 40\% + 25\ ft \times 12.57\ ft^2 \times 40\% = 374\ ft^3$

The MaxWell System is composed of 3 drywell(s) and 1 primary chamber(s).

Total volume provided = $1349\ ft^3$

Total 96 hour infiltration volume = $39{,}408\ ft^3$

Total infiltration flowrate = $0.11403 \frac{ft^3}{sec}$

Based on the total mitigated volume of 7591 CF, after subtracting the volume infiltrated as quickly as it enters the drywell of 6297 CF, the remaining volume is 1294 CF. The storage provided in the drywell system is 1349 CF.

For any questions, please contact Alex Bennett at 213-248-4167 or via email at Alex.Bennett@Oldcastle.com

Torrent Resources (CA) Incorporated
9950 Alder Avenue
Bloomington, CA 92316
Phone 909-829-0740

HydroCalc Summary

Using the hydrograph produced by the HydroCalc Calculator, the area below the drywell flow disposal rate and the hydrograph curve is estimated as the volume infiltrated in the drywell as it enters. 3 different phases will occur during the 85th percentile storm event. Phase 1 will occur during the beginning of the storm event at the initial increase of flow produced by the storm. When the storm flow is equal to the drywell flow disposal rate, phase 1 ends and phase 2 begins. Phase 2 is when the drywell performs at the flow rate it was design at. Any additional runoff that is produced due to the increase of storm flow will require a detention system. The storm will then hit its peak flow and begin to decrease. When the storm flow decreases to an amount equal to the drywell flow disposal rate, phase 2 ends and phase 3 begins. Phase 3 will occur near the end the storm when the drywell infiltrates the residual runoff until the end of the event.

Phase 1 – Initial Filling of Drywell

From time 0 minutes to 992 minutes, the 85th storm event flowrate that enters the drywell is less than the drywell steady-state infiltration flowrate (flow disposal rate). Therefore, the entire volume entering the drywell from 0 minutes to 992 minutes will infiltrate without overwhelming the drywell. This volume is 3867.2 CF.

Time (min)	Incremental Masscurve	Incremental Design Storm Depth (in)	Intensity (in/hr)	Undeveloped Runoff Coefficient (Cu)	Developed Runoff Coefficient (Cd)	Clear Peak Flow Rate (cfs)	Incremental Volume (cu-ft)	Cumulative Volume (cu-ft)	Volume infiltrated by drywell (CF)
991.8	0.518815547	0.570697102	0.059618316	0.1	0.852	0.1142883	1.371081758	3865.841206	1.371081758
992	0.519001654	0.570901819	0.059651236	0.1	0.852	0.1143514	1.371838389	3867.213044	1.3716
992.2	0.51918787	0.571106657	0.059684213	0.1	0.852	0.1144146	1.37259633	3868.58564	1.3716

Phase 2 – Drywell Performing at the Design Rate

From time 992 minutes to 1205.6 minutes, the flowrate that enters the drywell exceeds the drywell steady-state infiltration flowrate (flow disposal rate). Therefore, the drywell can only infiltrate up to its flow disposal rate which is 0.1143 CFS. Over this period, we multiply the time by the flowrate (and covert as needed) to determine the volume infiltrated in this phase. This volume is 1464.9 CF.

(1205.6-992) x 60 SEC/MIN x 0.1143 CFS = 1464.9 CF

Time (min)	Incremental Masscurve	Incremental Design Storm Depth (in)	Intensity (in/hr)	Undeveloped Runoff Coefficient (Cu)	Developed Runoff Coefficient (Cd)	Clear Peak Flow Rate (cfs)	Incremental Volume (cu-ft)	Cumulative Volume (cu-ft)	Volume infiltrated by drywell (CF)
1205.4	0.881874534	0.970061988	0.059866176	0.1	0.852	0.1147635	1.378722273	6625.147842	1.3716
1205.6	0.882036914	0.970240606	0.059731455	0.1	0.852	0.1145052	1.375611952	6626.523454	1.3716
1205.8	0.882199009	0.97041891	0.059597698	0.1	0.852	0.1142488	1.372523923	6627.895977	1.372523923

Phase 3 – End of the Storm Event

From time 1205.6 to 1461 minute (end of storm event), the 85th storm event flowrate that enters the drywell is less than the drywell steady-state infiltration flowrate (flow disposal rate). Therefore, the entire volume entering the drywell from 1205.6 minutes to 1461 minutes will infiltrate without overwhelming the drywell. This volume is 964.8 CF.

7591.4 CF - 6626.5 CF = 964.8 CF

Time (min)	Incremental Masscurve	Incremental Design Storm Depth (in)	Intensity (in/hr)	Undeveloped Runoff Coefficient (Cu)	Developed Runoff Coefficient (Cd)	Clear Peak Flow Rate (cfs)	Incremental Volume (cu-ft)	Cumulative Volume (cu-ft)	Volume infiltrated by drywell (CF)
1460.8	1	1.1	0.000231387	0.1	0.852	0.0004436	0.007985108	7591.359796	0.007985108
1461	1	1.1	0	0.1	0.852	0	0.002661413	7591.362457	0.002661413
	0	0	0	0	0	0	0	0	0

The total volume infiltrated as it enters the drywell during the 85th percentile storm event is 3867.2 + 1464.9 + 964.8 = 6296.9 CF (6296 CF)

HydroCalc Volume Analysis

Project: The Derby - Subarea Site

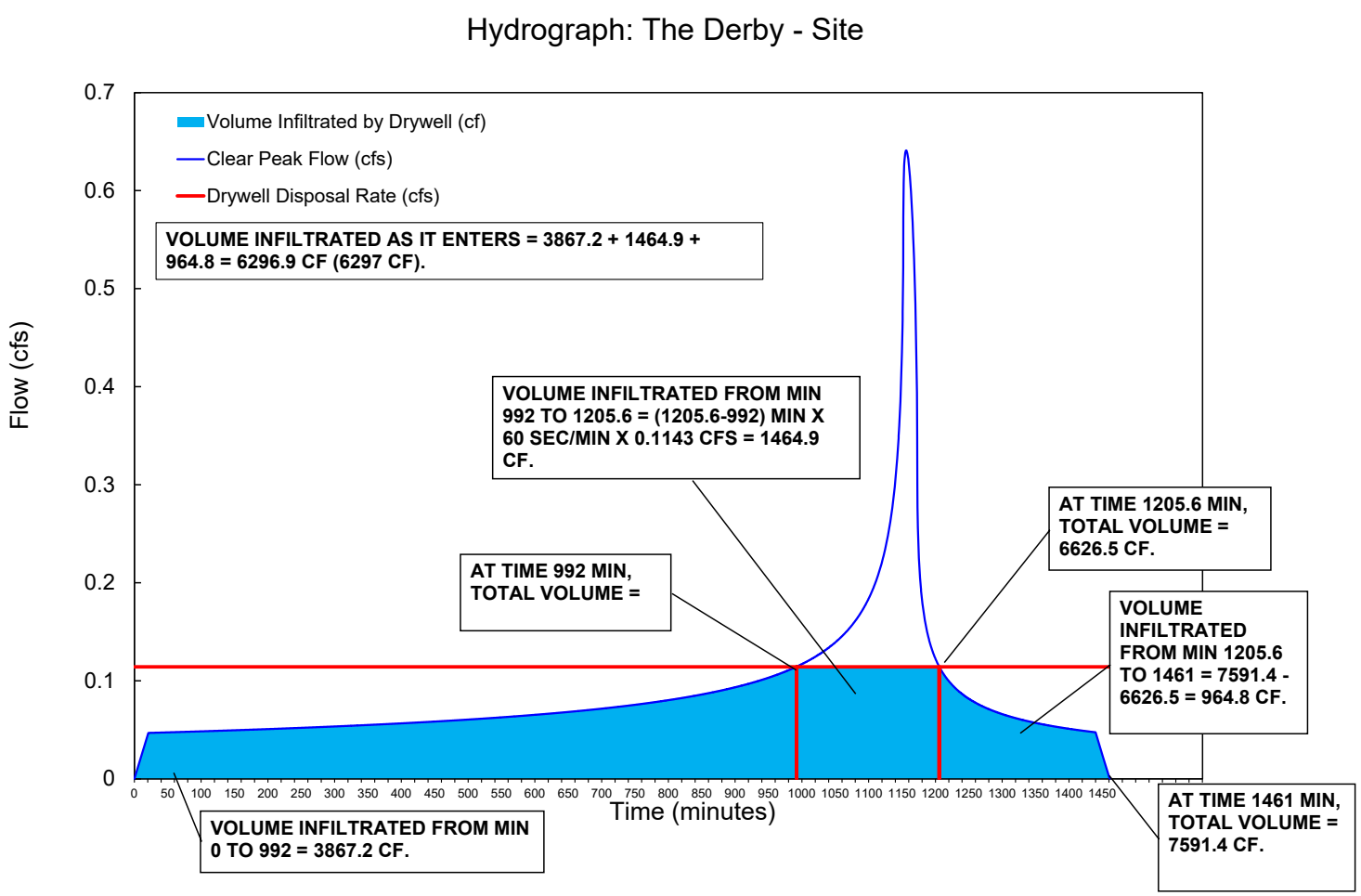
** (Values from project "Peak Flow Hydrologic Analysis")*

HydroCalc Output Results*

Clear Peak Flow (CFS)	0.6409
24-Hr Clear Runoff Volume (AC-FT)	0.1743
24-Hr Clear Runoff Volume (CF)	7591

Analysis

Drywell Disposal Rate (CFS)	***0.11430***
Total Volume Infiltrated During 1st Phase (CF)	3867.2
[2nd Phase] Storm Flow Rate Exceeds Drywell Disposal Rate @ (MIN)	992
Total Volume Infiltrated During 2nd Phase (CF)	1464.9
[3rd Phase] Drywell Disposal Rate Exceeds Storm Flow Rate @ (MIN)	1205.6
Total Volume Infiltrated During 3rd Phase (CF)	964.8
Total Time of Storm Event (MIN)*	1461
Total Volume Infiltrated as it Enters Drywell (CF)	***6297***
Total Storage within MaxWell System (CF)	1349
Remaining Detention Required (CF)	N/A



APPENDIX D
Soils Report

319 Main Street
El Segundo, California 90245
t:213/239 9700

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GEOTECHNICAL INVESTIGATION

PROPOSED MIXED-USE DEVELOPMENT
233-301 EAST HUNTINGTON DRIVE
ARCADIA, CALIFORNIA
APN: 5775-009-065 & -070

GEOCON
W E S T, I N C.

GEOTECHNICAL
ENVIRONMENTAL
MATERIALS

PREPARED FOR

ELITE REAL ESTATE HOLDINGS, LLC
ARCADIA, CALIFORNIA

PROJECT NO. W1567-06-01

JUNE 29, 2022

Project No. W1567-06-01
June 29, 2022

Mr. Dustin Nicolarsen
Elite Real Estate Holdings, LLC
233 E. Huntington Drive
Arcadia, CA 91006

Subject: GEOTECHNICAL INVESTIGATION
PROPOSED MIXED-USE DEVELOPMENT
233-301 EAST HUNTINGTON DRIVE
ARCADIA, CALIFORNIA
APN: 5775-009-065 & -070

Dear Mr. Nicolarsen:

In accordance with your authorization of our proposal dated April 19, 2022, we have performed a geotechnical investigation for the proposed mixed-use development located at 233-301 East Huntington Drive in the City of Arcadia, California. The accompanying report presents the findings of our study, and our conclusions and recommendations pertaining to the geotechnical aspects of proposed design and construction. Based on the results of our investigation, it is our opinion that the site can be developed as proposed, provided the recommendations of this report are followed and implemented during design and construction.

If you have any questions regarding this report, or if we may be of further service, please contact the undersigned.

Very truly yours,

GEOCON WEST, INC.

REGISTERED PROFESSIONAL ENGINEER
PETRINA ZEN
C87489
CIVIL
STATE OF CALIFORNIA

Petrina Zen
PE 87489

REGISTERED PROFESSIONAL ENGINEER
H. HARRY DERKALOUSDIAN
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Harry Derkalousdian
PE 79694

PROFESSIONAL GEOLOGIST
SUSAN FRANZEN KIRKGARD
No. 1754
CERTIFIED ENGINEERING GEOLOGIST
STATE OF CALIFORNIA

Susan F. Kirkgard
CEG 1754

(Email) Addressee

TABLE OF CONTENTS

1. PURPOSE AND SCOPE 1
2. SITE AND PROJECT DESCRIPTION 1
3. GEOLOGIC SETTING 2
4. SOIL AND GEOLOGIC CONDITIONS 3
   - 4.1 Artificial Fill 3
   - 4.2 Alluvium 3
5. GROUNDWATER 3
6. GEOLOGIC HAZARDS 4
   - 6.1 Surface Fault Rupture 4
   - 6.2 Seismicity 5
   - 6.3 Seismic Design Criteria 5
   - 6.4 Liquefaction Potential 7
   - 6.5 Slope Stability 8
   - 6.6 Earthquake-Induced Flooding 8
   - 6.7 Tsunamis, Seiches, and Flooding 8
   - 6.8 Oil Fields & Methane Potential 9
   - 6.9 Subsidence 9
7. CONCLUSIONS AND RECOMMENDATIONS 10
   - 7.1 General 10
   - 7.2 Soil and Excavation Characteristics 13
   - 7.3 Minimum Resistivity, pH, and Water-Soluble Sulfate 14
   - 7.4 Grading 14
   - 7.5 Foundation Design 16
   - 7.6 Foundation Settlement 18
   - 7.7 Miscellaneous Foundations 18
   - 7.8 Lateral Design 19
   - 7.9 Concrete Slabs-on-Grade 19
   - 7.10 Preliminary Pavement Recommendations 21
   - 7.11 Retaining Wall Design 23
   - 7.12 Dynamic (Seismic) Lateral Forces 25
   - 7.13 Retaining Wall Drainage 25
   - 7.14 Elevator Pit Design 26
   - 7.15 Elevator Piston 26
   - 7.16 Temporary Excavations 27
   - 7.17 Shoring – Soldier Pile Design and Installation 27
   - 7.18 Temporary Tie-Back Anchors 34
   - 7.19 Anchor Installation 35
   - 7.20 Anchor Testing 35
   - 7.21 Internal Bracing 36
   - 7.22 Stormwater Infiltration 36
   - 7.23 Surface Drainage 38
   - 7.24 Plan Review 39

LIMITATIONS AND UNIFORMITY OF CONDITIONS

LIST OF REFERENCES

TABLE OF CONTENTS (Continued)

MAPS, TABLES, AND ILLUSTRATIONS
- Figure 1, Vicinity Map
- Figure 2A, Site Plan
- Figure 2B, Cross Section
- Figure 3, Regional Fault Map
- Figure 4, Regional Seismicity Map
- Figures 5 and 6, Retaining Wall Drain Detail
- Figure 7, Percolation Test Results

APPENDIX A
- FIELD INVESTIGATION
- Figures A1 through A5, Boring Logs

APPENDIX B
- LABORATORY TESTING
- Figures B1 through B9, Direct Shear Test Results
- Figures B10 through B28, Consolidation Test Results
- Figure B29, Corrosivity Test Results

GEOTECHNICAL INVESTIGATION

1. PURPOSE AND SCOPE

This report presents the results of a geotechnical investigation for the proposed mixed-use development located at 233-301 East Huntington Drive in the City of Arcadia, California (see Vicinity Map, Figure 1). The purpose of the investigation was to evaluate subsurface soil and geologic conditions underlying the site and, based on conditions encountered, to provide conclusions and recommendations pertaining to the geotechnical aspects of design and construction.

The scope of this investigation included a site reconnaissance, field exploration, laboratory testing, engineering analysis, and the preparation of this report. The site was explored on May 20, 2022 by excavating five 8-inch diameter borings to depths ranging from approximately 30½ to 45½ feet below the existing ground surface using a truck-mounted, hollow-stem auger drilling machine. The approximate locations of the exploratory borings are depicted on the Site Plan (see Figure 2A). A detailed discussion of the field investigation, including boring logs, is presented in Appendix A.

Laboratory tests were performed on selected soil samples obtained during the investigation to determine pertinent physical and chemical soil properties. Appendix B presents a summary of the laboratory test results.

The recommendations presented herein are based on analysis of the data obtained during the investigation and our experience with similar soil and geologic conditions. References reviewed to prepare this report are provided in the *List of References* section.

If project details vary significantly from those described herein, Geocon should be contacted to determine the necessity for review and possible revision of this report.

2. SITE AND PROJECT DESCRIPTION

The subject site is located at 233-301 East Huntington Drive in the City of Arcadia, California. The site is currently occupied by two single-story commercial structures and associated asphalt-paved parking lots. The site is bounded by a four-story hotel and associated asphalt paved parking lot to the north, by Gateway Drive to the east, by East Huntington Drive to the south, and by a seven-story hotel and associated asphalt paved parking lot to the west. The topography at the site and in the general site vicinity slopes gently downward towards the south. Surface water drainage at the site appears to be by sheet flow along the existing ground contours to the city streets. Vegetation consists of some isolated trees and shrubs in isolated planter areas.

Based on the information provided by the Client, it is our understanding that the proposed mixed-use development will be a six-story structure with one subterranean parking level (see Figures 2A and 2B). The ground level of the proposed development will consist of parking, restaurant, and commercial space with residential housing located on the levels above. It is anticipated that the subterranean level will extend to a depth of approximately 14 feet, including foundation depths (see Figure 2B).

Due to preliminary nature of the design at this time, wall and column loads were not available. It is anticipated that column loads for the proposed structure will be up to 700 kips, and wall loads will be up to 8 kips per linear foot.

Once the design phase and foundation loading configuration proceeds to a more finalized plan, the recommendations within this report should be reviewed and revised, if necessary. Any changes in the design, location or elevation of any structure, as outlined in this report, should be reviewed by this office. Geocon should be contacted to determine the necessity for review and possible revision of this report.

3. GEOLOGIC SETTING

The site is located in the north-central San Gabriel Valley, approximately 1.0 mile south of the southern flank of the San Gabriel Mountains. The San Gabriel Valley is an alluvium-filled valley bounded by the Sierra Madre Fault Zone and San Gabriel Mountains on the north, by the Puente Hills on the south, by the Covina and Indian Hills on the east, and by the Raymond Basin on the west. The alluvial deposits are derived from erosion of the San Gabriel Mountains to the north and subsequent deposition by the San Gabriel River, Santa Anita Wash, and other local drainages. The alluvium is estimated to be approximately 200 feet thick at the base of the mountains, extending to hundreds of feet thick in the central portion of the valley.

Regionally, the site is located within the northern portion of the Peninsular Ranges geomorphic province. This geomorphic province is characterized by northwest-trending physiographic and geologic features such as the active Whittier Fault located approximately 9.6 miles to the south. The active Raymond Fault, located approximately 0.9 mile to the northwest of the site, forms the local boundary between the Peninsular Ranges geomorphic province and the Transverse Ranges geomorphic province to the north.

4. SOIL AND GEOLOGIC CONDITIONS

Based on our field investigation and published geologic maps of the area, the site is underlain by artificial fill and Holocene age alluvial fan deposits comprised of sand with varying amounts of silt, gravel and cobbles (California Geological Survey [CGS], 2010). Detailed stratigraphic profiles are provided on the boring logs in Appendix A.

4.1 Artificial Fill

Artificial fill was encountered in the exploratory borings to a maximum depth of 3 feet below existing ground surface. The artificial fill generally consists of dark brown or olive brown silty sand or sand with silt. The fill is characterized as moist and loose to medium dense. The fill is likely the result of past grading or construction activities at the site. Deeper fill may exist between excavations and in other portions of the site that were not directly explored.

4.2 Alluvium

Holocene age alluvium was encountered beneath the artificial fill and consists primarily of light brown to brown, light olive brown, or gray interbedded poorly graded and well-graded sand with varying amounts of silt and gravel, and locally some cobbles (to 5 inches). The alluvium is characterized as slightly moist to very moist and loose to very dense.

5. GROUNDWATER

Review of the Seismic Hazard Evaluation of the Mount Wilson 7.5-Minute Quadrangle (California Division of Mines and Geology [CDMG], 1998) indicates that the historically highest groundwater level in the immediate area is approximately 150 feet beneath the ground surface. Groundwater information presented in this document is generated from data collected in the early 1900's to the late 1990s. Based on current groundwater basin management practices, it is unlikely that groundwater levels will ever exceed the historic high levels.

Groundwater was not encountered in our borings drilled to a maximum depth of 45½ feet beneath the existing ground surface. Considering the reported historic high groundwater level (CDMG, 1998), the lack of groundwater encountered in our borings, and the depth of the proposed construction, it is unlikely that static groundwater will be encountered during construction or adversely impact the proposed development. However, it is not uncommon for groundwater levels to vary seasonally or for groundwater seepage conditions to develop where none previously existed, especially in impermeable fine-grained soils which are heavily irrigated or after seasonal rainfall. In addition, recent requirements for stormwater infiltration could result in shallower seepage conditions in the immediate site vicinity. Proper surface drainage of irrigation and precipitation will be critical for future performance of the project. Recommendations for drainage are provided in the S*urface Drainage* section of this report (see Section 7.23).

6. GEOLOGIC HAZARDS

6.1 Surface Fault Rupture

The numerous faults in Southern California include Holocene-active, pre-Holocene, and inactive faults. The criteria for these major groups are based on criteria developed by the California Geological Survey (CGS, formerly known as CDMG) for the Alquist-Priolo Earthquake Fault Zone Program (CGS, 2018). By definition, a Holocene-active fault is one that has had surface displacement within Holocene time (about the last 11,700 years). A pre-Holocene fault has demonstrated surface displacement during Quaternary time (approximately the last 1.6 million years) but has had no known Holocene movement. Faults that have not moved in the last 1.6 million years are considered inactive.

The site is not within a state-designated Alquist-Priolo Earthquake Fault Zone (CGS, 2022b; CGS, 2017) or a city-designated Fault Hazard Management Zone (City of Arcadia, 2010) for surface fault rupture hazards. No Holocene-active or pre-Holocene faults with the potential for surface fault rupture are known to pass directly beneath the site. Therefore, the potential for surface rupture due to faulting occurring beneath the site during the design life of the proposed development is considered low. However, the site is located in the seismically active Southern California region, and could be subjected to moderate to strong ground shaking in the event of an earthquake on one of the many active Southern California faults. The faults in the vicinity of the site are shown in Figure 3, Regional Fault Map.

The closest Holocene-active fault to the site is the Raymond Fault located approximately 0.9 mile to the northwest (CGS, 2017). Other nearby Holocene-active faults are the Sierra Madre Fault Zone (Section D-Duarte Fault), the East Montebello Fault, and the Whittier Fault located approximately 1.8 miles northeast, 6.7 miles southwest, and 9.6 miles south of the site, respectively. (USGS, 2006; Ziony and Jones, 1989). The active San Andreas Fault Zone is located approximately 23 miles northeast of the site (Ziony and Jones, 1989).

Several buried thrust faults, commonly referred to as blind thrusts, underlie the Los Angeles Basin and the San Gabriel Valley at depth. These faults are not exposed at the ground surface and are typically identified at depths greater than 3.0 kilometers. The October 1, 1987 M_w 5.9 Whittier Narrows earthquake and the January 17, 1994 M_w 6.7 Northridge earthquake were a result of movement on the Puente Hills Blind Thrust and the Northridge Thrust, respectively. The site is underlain by the Puente Hills Blind Thrust. This thrust fault and others in the greater Los Angeles area are not exposed at the surface and do not present a potential surface fault rupture hazard at the site; however, these deep thrust faults are considered active features capable of generating future earthquakes that could result in moderate to significant ground shaking at the site.

6.2 Seismicity

As with all of Southern California, the site has experienced historic earthquakes from various regional faults. The seismicity of the region surrounding the site was formulated based on research of an electronic database of earthquake data. The epicenters of recorded earthquakes with magnitudes equal to or greater than 5.0 in the site vicinity are depicted on Figure 4, Regional Seismicity Map. A partial list of moderate to major magnitude earthquakes that have occurred in the Southern California area within the last 100 years is included in the following table.

LIST OF HISTORIC EARTHQUAKES

Earthquake (Oldest to Youngest)	Date of Earthquake	Magnitude	Distance to Epicenter (Miles)	Direction to Epicenter
Near Redlands	July 23, 1923	6.3	45	ESE
Long Beach	March 10, 1933	6.4	36	S
Tehachapi	July 21, 1952	7.5	82	NW
San Fernando	February 9, 1971	6.6	28	NW
Whittier Narrows	October 1, 1987	5.9	6	SW
Sierra Madre	June 28, 1991	5.8	8	NNE
Landers	June 28, 1992	7.3	91	E
Big Bear	June 28, 1992	6.4	68	E
Northridge	January 17, 1994	6.7	30	W
Hector Mine	October 16, 1999	7.1	105	ENE
Ridgecrest	July 5, 2019	7.1	115	NNE

The site could be subjected to strong ground shaking in the event of an earthquake. However, this hazard is common in Southern California and the effects of ground shaking can be mitigated if the proposed structures are designed and constructed in conformance with current building codes and engineering practices.

6.3 Seismic Design Criteria

The following table summarizes the site-specific design criteria obtained from the 2019 California Building Code (CBC; Based on the 2018 International Building Code [IBC] and ASCE 7-16), Chapter 16 Structural Design, Section 1613 Earthquake Loads. The data was calculated using the online application Seismic Design Maps, provided by OSHPD. The short spectral response uses a period of 0.2 second. We evaluated the Site Class based on the discussion in Section 1613.2.2 of the 2019 CBC and Table 20.3-1 of ASCE 7-16. The values presented on the following page are for the risk-targeted maximum considered earthquake (MCER).

2019 CBC SEISMIC DESIGN PARAMETERS

Parameter	Value	2016 CBC Reference
Site Class	D	Section 1613.3.2
MCE_R Ground Motion Spectral Response Acceleration – Class B (short), S_S	1.936g	Figure 1613.3.1(1)
MCE_R Ground Motion Spectral Response Acceleration – Class B (1 sec), S_1	0.705g	Figure 1613.3.1(2)
Site Coefficient, F_A	1	Table 1613.3.3(1)
Site Coefficient, F_V	1.7*	Table 1613.3.3(2)
Site Class Modified MCE_R Spectral Response Acceleration (short), S_{MS}	1.936g	Section 1613.3.3 (Eqn 16-37)
Site Class Modified MCE_R Spectral Response Acceleration – (1 sec), S_{M1}	1.198g*	Section 1613.3.3 (Eqn 16-38)
5% Damped Design Spectral Response Acceleration (short), S_{DS}	1.291g	Section 1613.3.4 (Eqn 16-39)
5% Damped Design Spectral Response Acceleration (1 sec), S_{D1}	0.798g*	Section 1613.3.4 (Eqn 16-40)

Note:

*Per Section 11.4.8 of ASCE/SEI 7-16, a ground motion hazard analysis shall be performed for projects for Site Class "E" sites with Ss greater than or equal to 1.0g and for Site Class "D" and "E" sites with S1 greater than 0.2g. Section 11.4.8 also provides exceptions which indicates that the ground motion hazard analysis may be waived provided the exceptions are followed. Using the code-based values presented in the table above, in lieu of a performing a ground motion hazard analysis, requires the exceptions outlined in ASCE 7-16 Section 11.4.8 be followed.

The table below presents the mapped maximum considered geometric mean (MCEG) seismic design parameters for projects located in Seismic Design Categories of D through F in accordance with ASCE 7-16.

ASCE 7-16 PEAK GROUND ACCELERATION

Parameter	Value	ASCE 7-16 Reference
Mapped MCE_G Peak Ground Acceleration, PGA	0.841g	Figure 22-9
Site Coefficient, F_{PGA}	1.1	Table 11.8-1
Site Class Modified MCE_G Peak Ground Acceleration, PGA_M	0.925g	Section 11.8.3 (Eqn 11.8-1)

The Maximum Considered Earthquake Ground Motion (MCE) is the level of ground motion that has a 2 percent chance of exceedance in 50 years, with a statistical return period of 2,475 years. According to the 2019 California Building Code and ASCE 7-16, the MCE is to be utilized for the evaluation of liquefaction, lateral spreading, seismic settlements, and it is our understanding that the intent of the Building Code is to maintain "Life Safety" during a MCE event. The Design Earthquake Ground Motion (DE) is the level of ground motion that has a 10 percent chance of exceedance in 50 years, with a statistical return period of 475 years.

Deaggregation of the MCE peak ground acceleration was performed using the USGS online Unified Hazard Tool, 2014 Conterminous U.S. Dynamic edition (v4.2.0). The result of the deaggregation analysis indicates that the predominant earthquake contributing to the MCE peak ground acceleration is characterized as a 7.05 magnitude event occurring at a hypocentral distance of 9.43 kilometers from the site.

Deaggregation was also performed for the Design Earthquake (DE) peak ground acceleration, and the result of the analysis indicates that the predominant earthquake contributing to the DE peak ground acceleration is characterized as a 6.96 magnitude occurring at a hypocentral distance of 14.35 kilometers from the site.

Conformance to the criteria in the above tables for seismic design does not constitute any kind of guarantee or assurance that significant structural damage or ground failure will not occur if a large earthquake occurs. The primary goal of seismic design is to protect life, not to avoid all damage, since such design may be economically prohibitive.

6.4 Liquefaction Potential

Liquefaction is a phenomenon in which loose, saturated, relatively cohesionless soil deposits lose shear strength during strong ground motions. Primary factors controlling liquefaction include intensity and duration of ground motion, gradation characteristics of the subsurface soils, in-situ stress conditions, and the depth to groundwater. Liquefaction is typified by a loss of shear strength in the liquefied layers due to rapid increases in pore water pressure generated by earthquake accelerations.

The current standard of practice, as outlined in the "Recommended Procedures for Implementation of DMG Special Publication 117, Guidelines for Analyzing and Mitigating Liquefaction in California" and "Special Publication 117A, Guidelines for Evaluating and Mitigating Seismic Hazards in California" requires liquefaction analysis to a depth of 50 feet below the lowest portion of the proposed structure. Liquefaction typically occurs in areas where the soils below the water table are composed of poorly consolidated, fine- to medium-grained, primarily sandy soil. In addition to the requisite soil conditions, the ground acceleration and duration of the earthquake must also be of a sufficient level to induce liquefaction.

The Seismic Hazards Zone Map for the Mount Wilson Quadrangle (CDMG, 1999; CGS, 2017) indicates that the site is not located within a zone of required investigation for liquefaction. In addition, the City of Arcadia General Plan (2010) and the County of Los Angeles Safety Element (Leighton, 1990), indicate that the site is not located within an area designated as having a potential for liquefaction. Groundwater was not encountered in our borings drilled to a maximum depth of 45½ feet beneath the existing ground surface and the historic high groundwater level in the area is reported to be approximately 150 feet beneath the existing ground surface (CDMG, 1998). Based on these considerations, it is our opinion that the potential for liquefaction and associated ground deformations beneath the site is very low.

6.5 Slope Stability

The site is relatively level and the topography in the site vicinity slopes downward toward the south-southeast. The City of Arcadia General Plan (2010) and County of Los Angeles Safety Element (Leighton, 1990), indicate that the site is not located in a "hillside area" or an area identified as having a potential for slope stability hazards. Also, the State of California (CDMG, 1999; CGS, 2017) and the City of Arcadia (2010) indicate that the site is not located within a zone of required investigation for earthquake-induced landslides. There are no known landslides near the site, nor is the site in the path of any known or potential landslides. Therefore, the potential for slope stability hazards to adversely impact the site is considered low.

6.6 Earthquake-Induced Flooding

Earthquake-induced flooding is inundation caused by failure of dams or other water-retaining structures due to earthquakes. The City of Arcadia General Plan (2010) and the County of Los Angeles Safety Element (Leighton, 1990) indicate that the site is located within the potential inundation area for Santa Anita Dam. However, this reservoir, as well as others in California, are continually monitored by various governmental agencies (such as the State of California Division of Safety of Dams and the U.S. Army Corps of Engineers) to guard against the threat of dam failure. Current design, construction practices, and ongoing programs of review, modification, or total reconstruction of existing dams are intended to ensure that all dams are capable of withstanding the maximum considered earthquake (MCE) for the site. Therefore, the potential for inundation at the site as a result of an earthquake-induced dam failure is considered low.

6.7 Tsunamis, Seiches, and Flooding

The site is not located within a coastal area. Therefore, tsunamis are not considered a significant hazard at the site.

Seiches are large waves generated in enclosed bodies of water in response to ground shaking. No major water-retaining structures are located immediately up gradient from the project site. Therefore, flooding from a seismically induced seiche is considered unlikely.

The site is within a Zone D as defined by the Federal Emergency Management Agency (FEMA, 2022; LACDPW, 2022b). Sites within a Zone D have an undetermined but possible flood hazard (FEMA, 2022).

6.8 Oil Fields & Methane Potential

Review of the California Geologic Energy Management Division (CalGEM) Well Finder Website (2022) indicates that the site is not located within the limits of an oilfield and oil or gas wells are not located within ½-mile of the site. However, due to the voluntary nature of record reporting by the oil well drilling companies, wells may be improperly located or not documented on the location map. Undocumented wells could be encountered during construction. Any wells encountered will need to be properly abandoned in accordance with the current requirements of the CalGEM

Since the site is not within an oilfield, the potential for methane or other volatile gases to occur at the site is considered very low. However, should it be determined that a methane study is required for the proposed development it is recommended that a qualified methane consultant be retained to perform the study and provide mitigation measures as necessary.

6.9 Subsidence

Subsidence occurs when a large portion of land is displaced vertically, usually due to the withdrawal of groundwater, oil, or natural gas. Soils that are particularly subject to subsidence include those with high silt or clay content. The site is not located within an area of known ground subsidence (USGS, 2022a). No large-scale extraction of groundwater, gas, oil, or geothermal energy is occurring or planned at the site or in the general site vicinity. There appears to be little or no potential for ground subsidence due to withdrawal of fluids or gases at the site.

7. CONCLUSIONS AND RECOMMENDATIONS

7.1 General

7.1.1 It is our opinion that neither soil nor geologic conditions were encountered during the investigation that would preclude the construction of the proposed development provided the recommendations presented herein are followed and implemented during design and construction.

7.1.2 Up to 3 feet of existing artificial fill was encountered during the site investigation. The existing fill encountered is believed to be the result of past grading and construction activities at the site. Deeper fill may exist in other areas of the site that were not directly explored. Future demolition of the existing structures which occupy the site will likely disturb the upper few feet of soil. It is our opinion that the existing fill, in its present condition, is not suitable for direct support of proposed foundations or slabs. The existing fill and site soils are suitable for re-use as engineered fill provided the recommendations in the *Grading* section of this report are followed (see Section 7.4). Excavations for the subterranean level are anticipated to penetrate through the existing artificial fill and expose undisturbed alluvial soils throughout the excavation bottom.

7.1.3 Groundwater was not encountered during site exploration and the current groundwater table is sufficiently deep that it not expected to be encountered during construction. However, local seepage could be encountered during excavation of the subterranean level, especially if conducted during the rainy season.

7.1.4 Based on these considerations, the proposed structure may be supported on conventional foundation system deriving support in the competent alluvium found at and below a depth of 12 feet below the existing ground surface. Foundations should be deepened as necessary to penetrate through soft or unsuitable alluvium at the direction of the Geotechnical Engineer. All foundation excavations must be observed and approved by the Geotechnical Engineer (a representative of Geocon), prior to placing steel or concrete. Recommendations for the design of a conventional foundation system are provided in Section 7.5.

7.1.5 Excavations up to 14 feet in vertical height are anticipated for construction of the subterranean level, including foundation depths. Due to the depth of the excavation and the proximity to the property lines, city streets and adjacent offsite structures, excavation of the proposed subterranean level will likely require sloping and shoring measures in order to provide a stable excavation. Where shoring is required it is recommended that a soldier pile shoring system be utilized. In addition, where the proposed excavation will be deeper than and adjacent to an offsite structure, the proposed shoring should be designed to resist the surcharge imposed by the adjacent offsite structure. Recommendations for shoring are provided in Section 7.17 of this report.

7.1.6 Based on our observations onsite and our knowledge of the geologic setting, cobbles should be anticipated during earthwork at the subject site. Boulders are also common in this geologic environment and should be expected in the existing fill or alluvial soils. Due to the granular nature of the soils, moderate to excessive caving is anticipated during excavation activities. The contractor should be aware that casing will be required during shoring pile installation and formwork may be required to prevent caving of shallow spread foundation excavations. In addition, the contractor should be prepared to screen abundant cobble and boulders from the soils during earthwork operations. Generation and disposal of oversized material (greater than 6 inches) should be anticipated.

7.1.7 Please be aware that the use of hollow-stem auger drilling equipment utilized for this investigation does not allow for the identification of the size of rock or abundance of rock being encountered or the visual observation of caving conditions since the drilling method is a small diameter cased excavation. It is recommended that the contractors bidding on earthwork, excavation and shoring installation for this project perform their own excavations and test borings with the intended earthwork and drilling equipment to verify the presence, abundance, and size of buried rock (cobbles and boulders), potential for caving, as well as the suitability of the proposed excavation and drilling equipment for the safe and efficient earthwork operations and installation of the shoring system.

7.1.8 Due to the nature of the proposed design and intent for a subterranean level, waterproofing of subterranean walls and slabs is suggested. Particular care should be taken in the design and installation of waterproofing to avoid moisture problems, or actual water seepage into the structure through any normal shrinkage cracks which may develop in the concrete walls, floor slab, foundations and/or construction joints. The design and inspection of the waterproofing is not the responsibility of the geotechnical engineer. A waterproofing consultant should be retained in order to recommend a product or method, which would provide protection to subterranean walls, floor slabs and foundations.

7.1.9 Foundations for small outlying structures, such as block walls up to 6 feet in height, planter walls or trash enclosures, which will not be tied to the proposed structure, may be supported on conventional foundations deriving support on a minimum of 12 inches of newly placed engineered fill, which extends laterally at least 12 inches beyond the foundation area. Where excavation and compaction cannot be performed, foundations may derive support directly in the competent undisturbed alluvial soils at and below a depth of 24 inches, and should be deepened as necessary to maintain a minimum 12 inch embedment into the recommended bearing materials. If the soils exposed in the excavation bottom are soft or loose, compaction of the soils will be required prior to placing steel or concrete. Compaction of the foundation excavation bottom is typically accomplished with a compaction wheel or mechanical whacker and must be observed and approved by a Geocon representative.

7.1.10 Where new paving is to be placed, it is recommended that all existing fill and soft alluvial soils be excavated and properly compacted for paving support. The client should be aware that excavation and compaction of all existing fill and soft alluvial soils in the area of new paving is not required; however, paving constructed over existing uncertified fill or unsuitable alluvial soil may experience increased settlement and/or cracking, and may therefore have a shorter design life and increased maintenance costs. As a minimum, the upper 12 inches of subgrade soil should be scarified and properly compacted for paving support. Paving recommendations are provided in *Preliminary Pavement Recommendations* section of this report (see Section 7.10).

7.1.11 Based on the results of percolation testing performed at the site, a stormwater infiltration system is considered feasible for this project. Recommendations for infiltration are provided in the *Stormwater Infiltration* section of this report (see Section 7.22).

7.1.12 Once the design and foundation loading configuration for the proposed structure proceeds to a more finalized plan, the recommendations within this report should be reviewed and revised, if necessary. Based on the final foundation loading configurations, the potential for settlement should be re-evaluated by this office.

7.1.13 Any changes in the design, location or elevation, as outlined in this report, should be reviewed by this office. Geocon should be contacted to determine the necessity for review and possible revision of this report.

7.2 Soil and Excavation Characteristics

7.2.1 The in-situ soils can be excavated with moderate effort using conventional excavation equipment. Due to the granular nature of the soils, moderate to excessive caving is anticipated in unshored excavations. The contractor should be aware drilling conditions may be difficult due to the potential for caving, as well as the presence of cobbles and boulders, and that casing will be required during shoring pile installation and formwork may be required to prevent caving of shallow spread foundation excavations. In addition, the contractor should be prepared to screen abundant cobble and boulders from the soils during earthwork operations.

7.2.2 Please be aware that the use of hollow-stem auger drilling equipment utilized for this investigation does not allow for the identification of the size of rock or abundance of rock being encountered or the visual observation of caving conditions since the drilling method is a small diameter cased excavation. It is recommended that the contractors bidding on earthwork, excavation and shoring installation for this project perform their own excavations and test borings with the intended earthwork and drilling equipment to verify the presence, abundance, and size of buried rock (cobbles and boulders), potential for caving, as well as the suitability of the proposed excavation and drilling equipment for the safe and efficient earthwork operations and installation of the shoring system.

7.2.3 It is the responsibility of the contractor to ensure that all excavations and trenches are properly shored and maintained in accordance with applicable OSHA rules and regulations to maintain safety and maintain the stability of existing adjacent improvements.

7.2.4 All onsite excavations must be conducted in such a manner that potential surcharges from existing structures, construction equipment, and vehicle loads are resisted. The surcharge area may be defined by a 1:1 projection down and away from the bottom of an existing foundation or vehicle load. Penetrations below this 1:1 projection will require special excavation measures such as sloping or shoring. Excavation recommendations are provided in the *Temporary Excavations* section of this report (see Section 7.16).

7.2.5 The soils encountered at the site are primarily granular in nature and are considered to be "non-expansive". Recommendations presented herein assume that the proposed foundations and slabs will derive support in "non-expansive" materials.

7.3 Minimum Resistivity, pH, and Water-Soluble Sulfate

7.3.1 Potential of Hydrogen (pH) and resistivity testing as well as chloride content testing were performed on representative samples of soil to generally evaluate the corrosion potential to surface utilities. The tests were performed in accordance with California Test Method Nos. 643 and 422 and indicate that the soils are considered "mildly corrosive" with respect to corrosion of buried ferrous metals on site. The results are presented in Appendix B (Figure B29) and should be considered for design of underground structures.

7.3.2 Laboratory tests were performed on representative samples of the site materials to measure the percentage of water-soluble sulfate content. Results from the laboratory water-soluble sulfate tests are presented in Appendix B (Figure B29) and indicate that the on-site materials possess a sulfate exposure class of "S0" to concrete structures as defined by 2019 CBC Section 1904 and ACI 318-19 Chapter 19.

7.3.3 Geocon West, Inc. does not practice in the field of corrosion engineering and mitigation. If corrosion sensitive improvements are planned, it is recommended that a corrosion engineer be retained to evaluate corrosion test results and incorporate the necessary precautions to avoid premature corrosion of buried metal pipes and concrete structures in direct contact with the soils.

7.4 Grading

7.4.1 Grading is anticipated to include excavation of site soils for the subterranean level, foundations, and utility trenches, as well as placement of backfill for walls, ramps, and trenches.

7.4.2 A preconstruction conference should be held at the site prior to the beginning of grading operations with the owner, contractor, civil engineer, geotechnical engineer, and building official in attendance. Special soil handling requirements can be discussed at that time.

7.4.3 Earthwork should be observed, and compacted fill tested by representatives of Geocon West, Inc. The existing fill and alluvial soil encountered during exploration is suitable for re-use as engineered fill, provided any encountered oversize material (greater than 6 inches) and any encountered deleterious debris are removed. **The contractor should be prepared to screen abundant cobble and boulders from the soils during earthwork operations**. Generation and disposal of oversized material (greater than 6 inches) should be anticipated. Additionally, the site soils have little to no cohesion and are prone to excessive caving. The contractor should be prepared for difficult excavation conditions. The presence of these materials and their impact on construction methods and equipment selection should be considered by both the owner and contractor prior to construction.

7.4.4 Please be aware that the use of hollow-stem auger drilling equipment utilized for this investigation does not allow for the identification of the size of rocks being encountered or the visual observation of caving conditions since the drilling method is a small diameter cased excavation. It is recommended that the contractor bidding on excavation for this project perform their own test excavations utilizing the intended excavation equipment to verify the presence and size of buried rock (cobble and boulders), potential for caving, as well as the suitability of the proposed equipment to perform for safe and efficient earthwork activities.

7.4.5 Grading should commence with the removal of all existing vegetation and existing improvements from the area to be graded. Deleterious debris such as wood and root structures should be exported from the site and should not be mixed with the fill soils. Asphalt and concrete should not be mixed with the fill soils unless approved by the Geotechnical Engineer. All existing underground improvements planned for removal should be completely excavated and the resulting depressions properly backfilled in accordance with the procedures described herein. Once a clean excavation bottom has been established it must be observed and approved in writing by the Geotechnical Engineer (a representative of Geocon West, Inc.).

7.4.6 The foundation system for the proposed structure may derive support in the competent undisturbed alluvial soils found at and below a depth of 12 feet below the existing ground surface.

7.4.7 All excavations must be observed and approved in writing by the Geotechnical Engineer (a representative of Geocon) prior to placing any fill or foundation construction.

7.4.8 All fill and backfill soils should be placed in horizontal loose layers approximately 6 to 8 inches thick, moisture conditioned to near optimum moisture content, and properly compacted to a minimum of 90 percent of the maximum dry density in accordance with ASTM D 1557 (latest edition).

7.4.9. Where new paving is to be placed, it is recommended that all existing fill and soft alluvium be excavated and properly compacted for paving support. As a minimum, the upper 12 inches of soil should be scarified, moisture conditioned to near optimum moisture content, and compacted to at least 95 percent relative compaction, as determined by ASTM D 1557 (latest edition). Paving recommendations are provided in *Preliminary Pavement Recommendations* section of this report (see Section 7.10).

7.4.10 Foundations for small outlying structures, such as block walls up to 6 feet high, planter walls or trash enclosures, which will not be tied to the proposed building, may be supported on conventional foundations deriving support on a minimum of 12 inches of newly placed engineered fill which extends laterally at least 12 inches beyond the foundation area. Where excavation and proper compaction cannot be performed, foundations may derive support directly in the undisturbed alluvial soils at and below a depth of 24 inches, and should be deepened as necessary to maintain a minimum 12 inch embedment into the recommended bearing materials. If the soils exposed in the excavation bottom are soft or loose, compaction of the soils will be required prior to placing steel or concrete. Compaction of the foundation excavation bottom is typically accomplished with a compaction wheel or mechanical whacker and must be observed and approved by a Geocon representative.

7.4.11 Although not anticipated for this project, all imported fill shall be observed, tested, and approved by Geocon West, Inc. prior to bringing soil to the site. Rocks larger than 6 inches in diameter shall not be used in the fill. If necessary, import soils used as structural fill should have an expansion index less than 20 and corrosivity properties that are equally or less detrimental to that of the existing onsite soils (see Figure B29).

7.4.12 Utility trenches should be properly backfilled in accordance with the following requirements. The pipe should be bedded with clean sands (Sand Equivalent greater than 30) to a depth of at least 1 foot over the pipe, and the bedding material must be inspected and approved in writing by the Geotechnical Engineer (a representative of Geocon). The use of gravel is not acceptable unless used in conjunction with filter fabric to prevent the gravel from having direct contact with soil. The remainder of the trench backfill may be derived from onsite soil or approved import soil, compacted as necessary, until the required compaction is obtained. The use of minimum 2-sack slurry as backfill is also acceptable. Prior to placing any bedding materials or pipes, the excavation bottom must be observed and approved in writing by the Geotechnical Engineer (a representative of Geocon).

7.4.13 All trench and foundation excavation bottoms must be observed and approved in writing by the Geotechnical Engineer (a representative of Geocon), prior to placing bedding materials, fill, steel, gravel, or concrete.

7.5 Foundation Design

7.5.1 The proposed structure may be supported on a conventional foundation system deriving support in the competent alluvium found at and below a depth of 12 feet below the existing ground surface. Foundations should be deepened as necessary to penetrate through soft or unsuitable alluvium at the direction of the Geotechnical Engineer. All foundation excavations must be observed and approved by the Geotechnical Engineer (a representative of Geocon), prior to placing steel or concrete.

7.5.2 Continuous footings may be designed for an allowable bearing capacity of 2,500 pounds per square foot (psf), and should be a minimum of 12 inches in width, 18 inches in depth below the lowest adjacent grade, and 12 inches into the recommended bearing material.

7.5.3 Isolated spread foundations may be designed for an allowable bearing capacity of 3,000 psf, and should be a minimum of 24 inches in width, 18 inches in depth below the lowest adjacent grade, and 12 inches into the recommended bearing material.

7.5.4 The allowable soil bearing pressure above may be increased by 250 psf and 500 psf for each additional foot of foundation width and depth, respectively, up to a maximum allowable soil bearing pressure of 5,000 psf.

7.5.5 The allowable bearing pressures may be increased by one-third for transient loads due to wind or seismic forces.

7.5.6 If depth increases are utilized for the perimeter foundations, this office should be provided a copy of the final construction plans so that the excavation recommendations presented herein could be properly reviewed and revised if necessary.

7.5.7 Continuous footings should be reinforced with four No. 4 steel reinforcing bars, two placed near the top of the footing and two near the bottom. Reinforcement for spread footings should be designed by the project structural engineer.

7.5.8 The above foundation dimensions and minimum reinforcement recommendations are based on soil conditions and building code requirements only, and are not intended to be used in lieu of those required for structural purposes.

7.5.9 No special subgrade presaturation is required prior to placement of concrete. However, the slab and foundation subgrade should be sprinkled as necessary; to maintain a moist condition as would be expected in any concrete placement.

7.5.10 Foundation excavations should be observed and approved in writing by the Geotechnical Engineer (a representative of Geocon West, Inc.), prior to the placement of reinforcing steel and concrete to verify that the excavations and exposed soil conditions are consistent with those anticipated. If unanticipated soil conditions are encountered, foundation modifications may be required.

7.5.11 This office should be provided a copy of the final construction plans so that the excavation recommendations presented herein could be properly reviewed and revised if necessary.

7.6 Foundation Settlement

7.6.1 The maximum expected static settlement for a structure supported on a conventional foundation system deriving support in the recommended bearing materials and designed with a maximum bearing pressure of 5,000 psf is estimated to be less than 1¼ inch and occur below the heaviest loaded structural element. Settlement of the foundation system is expected to occur on initial application of loading. Differential settlement is not expected to exceed ⅔ inch over a distance of 20 feet.

7.6.2 Once the design and foundation loading configuration for the proposed structure proceeds to a more finalized plan, the estimated settlements presented in this report should be reviewed and revised, if necessary. If the final foundation loading configurations are greater than the assumed loading conditions, the potential for settlement should be reevaluated by this office.

7.7 Miscellaneous Foundations

7.7.1 Foundations for small outlying structures, such as block walls up to 6 feet in height, planter walls or trash enclosures which will not be tied to the proposed structure may be supported on conventional foundations bearing on a minimum of 12 inches of newly placed engineered fill which extends laterally at least 12 inches beyond the foundation area. Where excavation and compaction cannot be performed, such as adjacent to property lines, foundations may derive support in the undisturbed alluvial soils at and below a depth of 24 inches, and should be deepened as necessary to maintain a minimum 12 inch embedment into the recommended bearing materials.

7.7.2 If the soils exposed in the excavation bottom are soft, compaction of the soft soils will be required prior to placing steel or concrete. Compaction of the foundation excavation bottom is typically accomplished with a compaction wheel or mechanical whacker and must be observed and approved by a Geocon representative. Miscellaneous foundations may be designed for a bearing value of 1,500 psf, and should be a minimum of 12 inches in width, 18 inches in depth below the lowest adjacent grade and 12 inches into the recommended bearing material. The allowable bearing pressure may be increased by up to one-third for transient loads due to wind or seismic forces.

7.7.3 Foundation excavations should be observed and approved in writing by the Geotechnical Engineer (a representative of Geocon West, Inc.), prior to the placement of reinforcing steel and concrete to verify that the excavations and exposed soil conditions are consistent with those anticipated.

7.8 Lateral Design

7.8.1 Resistance to lateral loading may be provided by friction acting at the base of foundations, slabs and by passive earth pressure. An allowable coefficient of friction of 0.4 may be used with the dead load forces in the competent alluvial soils and properly compacted engineered fill.

7.8.2 Passive earth pressure for the sides of foundations and slabs poured against properly compacted engineered fill or competent alluvial soils may be computed as an equivalent fluid having a density of 260 pcf with a maximum earth pressure of 2,600 psf. When combining passive and friction for lateral resistance, the passive component should be reduced by one-third.

7.9 Concrete Slabs-on-Grade

7.9.1 Exterior concrete slabs-on-grade subject to vehicle loading should be designed in accordance with the recommendations in the *Preliminary Pavement Recommendations* section of this report (Section 7.10).

7.9.2 Unless specifically evaluated and designed by a qualified structural engineer, the slab-on-grade and ramp for the subterranean parking garage slab-on-grade should be a minimum of 5 inches of concrete reinforced with No. 3 steel reinforcing bars placed 18 inches on center in both horizontal directions and positioned vertically near the slab midpoint. The concrete slab-on-grade and ramp may derive support directly on the undisturbed alluvial soils at the excavation bottom as well as compacted soils, if necessary. Any disturbed soils should be properly compacted for slab support. Soil placed and compacted for ramp and slab support should be moisture conditioned to near optimum moisture content and properly compacted to at least 95 percent relative compaction, as determined by ASTM Test Method D 1557 (latest edition) for ramp support.

7.9.3 Slabs-on-grade at the ground surface that may receive moisture-sensitive floor coverings or may be used to store moisture-sensitive materials should be underlain by a vapor retarder placed directly beneath the slab. The vapor retarder and acceptable permeance should be specified by the project architect or developer based on the type of floor covering that will be installed. The vapor retarder design should be consistent with the guidelines presented in Section 9.3 of the American Concrete Institute's (ACI) Guide for Concrete Slabs that Receive Moisture-Sensitive Flooring Materials (ACI 302.2R-06) and should be installed in general conformance with ASTM E 1643 (latest edition) and the manufacturer's recommendations. A minimum thickness of 15 mils extruded polyolefin plastic is recommended; vapor retarders which contain recycled content or woven materials are not recommended. The vapor retarder should have a permeance of less than 0.01 perms demonstrated by testing before and after mandatory conditioning. The vapor retarder should be installed in direct contact with the concrete slab with proper perimeter seal. If the California Green Building Code requirements apply to this project, the vapor retarder should be underlain by 4 inches of clean aggregate. It is important that the vapor retarder be puncture resistant since it will be in direct contact with angular gravel. As an alternative to the clean aggregate suggested in the Green Building Code, it is our opinion that the concrete slab-on-grade may be underlain by a vapor retarder over 4 inches of clean sand (sand equivalent greater than 30), since the sand will serve a capillary break and will minimize the potential for punctures and damage to the vapor barrier.

7.9.4 Due to the nature of the proposed design and intent for a subterranean level, waterproofing of subterranean walls and slabs is suggested. Particular care should be taken in the design and installation of waterproofing to avoid moisture problems, or actual water seepage into the structure through any normal shrinkage cracks which may develop in the concrete walls, floor slab, foundations and/or construction joints. The design and inspection of the waterproofing is not the responsibility of the geotechnical engineer. A waterproofing consultant should be retained in order to recommend a product or method, which would provide protection to subterranean walls, floor slabs and foundations.

7.9.5 For seismic design purposes, a coefficient of friction of 0.4 may be utilized between concrete slabs and subgrade soils without a moisture barrier, and 0.15 for slabs underlain by a moisture barrier.

7.9.6 Exterior slabs for walkways or flatwork, not subject to traffic loads, should be at least 4 inches thick and reinforced with No. 3 steel reinforcing bars placed 18 inches on center in both horizontal directions, positioned near the slab midpoint. Prior to construction of slabs, the upper 12 inches of subgrade should be moistened to optimum moisture content and properly compacted to at least 95 percent relative compaction, as determined by ASTM Test Method D 1557 (latest edition). Crack control joints should be spaced at intervals not greater than 10 feet and should be constructed using saw-cuts or other methods as soon as practical following concrete placement. Crack control joints should extend a minimum depth of one-fourth the slab thickness. The project structural engineer should design construction joints as necessary.

7.9.7 The recommendations of this report are intended to reduce the potential for cracking of slabs due to settlement. However, even with the incorporation of the recommendations presented herein, foundations, stucco walls, and slabs-on-grade may exhibit some cracking due to minor soil movement and/or concrete shrinkage. The occurrence of concrete shrinkage cracks is independent of the supporting soil characteristics. Their occurrence may be reduced and/or controlled by limiting the slump of the concrete, proper concrete placement and curing, and by the placement of crack control joints at periodic intervals, in particular, where re-entrant slab corners occur.

7.10 Preliminary Pavement Recommendations

7.10.1 Where new paving is to be placed, it is recommended that all existing fill and soft or unsuitable alluvial materials be excavated and properly recompacted for paving support. The client should be aware that excavation and compaction of all existing artificial fill and soft alluvium in the area of new paving is not required; however, paving constructed over existing unsuitable material may experience increased settlement and/or cracking, and may therefore have a shorter design life and increased maintenance costs. As a minimum, the upper 12 inches of paving subgrade should be scarified, moisture conditioned to near optimum moisture content, and properly compacted to at least 95 percent relative compaction, as determined by ASTM Test Method D 1557 (latest edition).

7.10.2 The following pavement sections are based on an assumed R-Value of 35. Once site grading activities are complete an R-Value should be obtained by laboratory testing to confirm the properties of the soils serving as paving subgrade, prior to placing pavement.

7.10.3 The Traffic Indices listed below are estimates. Geocon does not practice in the field of traffic engineering. The actual Traffic Index for each area should be determined by the project civil engineer. If pavement sections for Traffic Indices other than those listed below are required, Geocon should be contacted to provide additional recommendations. Pavement thicknesses were determined following procedures outlined in the *California Highway Design Manual* (Caltrans). It is anticipated that the majority of traffic will consist of automobile and large truck traffic.

PRELIMINARY PAVEMENT DESIGN SECTIONS

Location	Estimated Traffic Index (TI)	Asphalt Concrete (inches)	Class 2 Aggregate Base (inches)
Automobile Parking And Driveways	4.0	3.0	4.0
Trash Truck & Fire Lanes	7.0	4.0	9.0

7.10.4 Asphalt concrete should conform to Section 203-6 of the "*Standard Specifications for Public Works Construction"* (Green Book). Class 2 aggregate base materials should conform to Section 26-1.02A of the "*Standard Specifications of the State of California, Department of Transportation"* (Caltrans). The use of Crushed Miscellaneous Base in lieu of Class 2 aggregate base is acceptable. Crushed Miscellaneous Base should conform to Section 200-2.4 of the "*Standard Specifications for Public Works Construction"* (Green Book).

7.10.5 Unless specifically designed and evaluated by the project structural engineer, where exterior concrete paving will be utilized for support of vehicles, it is recommended that the concrete be a minimum of 6 inches thick and reinforced with No. 3 steel reinforcing bars placed 18 inches on center in both horizontal directions. Concrete paving supporting vehicular traffic should be underlain by a minimum of 4 inches of aggregate base and a properly compacted subgrade. The subgrade and base material should be compacted to 95 percent relative compaction as determined by ASTM Test Method D 1557 (latest edition).

7.10.6 The performance of pavements is highly dependent upon providing positive surface drainage away from the edge of pavements. Ponding of water on or adjacent to the pavement will likely result in saturation of the subgrade materials and subsequent cracking, subsidence and pavement distress. If planters are planned adjacent to paving, it is recommended that the perimeter curb be extended at least 12 inches below the bottom of the aggregate base to minimize the introduction of water beneath the paving.

7.11 Retaining Wall Design

7.11.1 The recommendations presented below are generally applicable to the design of rigid concrete or masonry retaining walls having a maximum height of 12 feet. In the event that walls significantly higher than 12 feet are planned, Geocon should be contacted for additional recommendations.

7.11.2 Retaining wall foundations may be designed in accordance with the recommendations provided in the *Foundation Design* section of this report (see Section 7.5).

7.11.3 Retaining walls with a level backfill surface that are not restrained at the top should be designed utilizing a triangular distribution of pressure (active pressure) of 35 pcf.

7.11.4 Restrained walls are those that are not allowed to rotate more than 0.001H (where H equals the height of the retaining portion of the wall in feet) at the top of the wall. Where walls are restrained from movement at the top, walls may be designed utilizing a triangular distribution of pressure (at-rest pressure) of 60 pcf.

7.11.5 The wall pressures provided above assume that the proposed retaining walls will support relatively undisturbed alluvial soils. If sloping techniques are to be utilized for construction of proposed walls, which would result in a wedge of engineered fill behind the retaining walls, revised earth pressures may be required. This should be evaluated once the use of sloping measures is established and once the geotechnical characteristics of the engineered backfill soils can be further evaluated.

7.11.6 The wall pressures provided above assume that the retaining wall will be properly drained preventing the buildup of hydrostatic pressure. If retaining wall drainage is not implemented, the equivalent fluid pressure to be used in design of undrained walls is 90 pcf. The value includes hydrostatic pressures plus buoyant lateral earth pressures.

7.11.7 Additional active pressure should be added for a surcharge condition due to sloping ground, vehicular traffic or adjacent structures and should be designed for each condition as the project progresses.

7.11.8 It is recommended that line-load surcharges from adjacent wall footings, use horizontal pressures generated from NAV-FAC DM 7.2. The governing equations are:

$$For\ {}^{x}/_{H} \leq 0.4$$

$$\sigma_H(z) = \frac{0.20 \times \left(\frac{z}{H}\right)}{\left[0.16 + \left(\frac{z}{H}\right)^2\right]^2} \times \frac{Q_L}{H}$$

and

$$For\ {}^{x}/_{H} > 0.4$$

$$\sigma_H(z) = \frac{1.28 \times \left(\frac{x}{H}\right)^2 \times \left(\frac{z}{H}\right)}{\left[\left(\frac{x}{H}\right)^2 + \left(\frac{z}{H}\right)^2\right]^2} \times \frac{Q_L}{H}$$

where x is the distance from the face of the excavation or wall to the vertical line-load, H is the distance from the bottom of the footing to the bottom of excavation or wall, z is the depth at which the horizontal pressure is desired, Q_L is the vertical line-load and $\sigma_H(z)$ is the horizontal pressure at depth z.

7.11.9 It is recommended that vertical point-loads, from construction equipment outriggers or adjacent building columns use horizontal pressures generated from NAV-FAC DM 7.2. The governing equations are:

$$For\ {}^{x}/_{H} \leq 0.4$$

$$\sigma_H(z) = \frac{0.28 \times \left(\frac{z}{H}\right)^2}{\left[0.16 + \left(\frac{z}{H}\right)^2\right]^3} \times \frac{Q_P}{H^2}$$

and

$$For\ {}^{x}/_{H} > 0.4$$

$$\sigma_H(z) = \frac{1.77 \times \left(\frac{x}{H}\right)^2 \times \left(\frac{z}{H}\right)^2}{\left[\left(\frac{x}{H}\right)^2 + \left(\frac{z}{H}\right)^2\right]^3} \times \frac{Q_P}{H^2}$$

then

$$\sigma'_H(z) = \sigma_H(z) cos^2(1.1\theta)$$

where x is the distance from the face of the excavation/wall to the vertical point-load, H is distance from the outrigger/bottom of column footing to the bottom of excavation, z is the depth at which the horizontal pressure is desired, Q_P is the vertical point-load, $\sigma_H(z)$ is the horizontal pressure at depth z, θ is the angle between a line perpendicular to the excavation/wall and a line from the point-load to location on the excavation/wall where the surcharge is being evaluated, and $\sigma_H(z)$ is the horizontal pressure at depth z.

7.11.10 In addition to the recommended earth pressure, the upper 10 feet of the retaining wall adjacent to the street or driveway areas should be designed to resist a uniform lateral pressure of 100 psf, acting as a result of an assumed 300 psf surcharge behind the wall due to normal street traffic. If the traffic is kept back at least 10 feet from the wall, the traffic surcharge may be neglected.

7.11.11 Seismic lateral forces should be incorporated into the design as necessary, and recommendations for seismic lateral forces are presented below.

7.12 Dynamic (Seismic) Lateral Forces

7.12.1 The structural engineer should determine the seismic design category for the project in accordance with Section 1613 of the CBC. If the project possesses a seismic design category of D, E, or F, proposed retaining walls in excess of 6 feet in height should be designed with seismic lateral pressure (Section 1803.5.12 of the 2019 CBC).

7.12.2 A seismic load of 15 pcf should be used for design of walls that support more than 6 feet of backfill in accordance with Section 1803.5.12 of the 2019 CBC. The seismic load is applied as an equivalent fluid pressure along the height of the wall and the calculated loads result in a maximum load exerted at the base of the wall and zero at the top of the wall. This seismic load should be applied in addition to the active earth pressure. The earth pressure is based on half of two-thirds of PGA_M calculated from ASCE 7-16 Section 11.8.3.

7.13 Retaining Wall Drainage

7.13.1 Unless designed for hydrostatic pressures, retaining walls should be provided with a drainage system. At the base of the drain system, a subdrain covered with a minimum of 12 inches of gravel should be installed, and a compacted fill blanket or other seal placed at the surface (see Figure 5). The clean bottom and subdrain pipe, behind a retaining wall, should be observed by the Geotechnical Engineer (a representative of Geocon), prior to placement of gravel or compacting backfill.

7.13.2 As an alternative, a plastic drainage composite such as Miradrain or equivalent may be installed in continuous, 4-foot wide columns along the entire back face of the wall, at 8 feet on center. The top of these drainage composite columns should terminate approximately 18 inches below the ground surface, where either hardscape or a minimum of 18 inches of relatively cohesive material should be placed as a cap (see Figure 6). These vertical columns of drainage material would then be connected at the bottom of the wall to a collection panel or a 1-cubic-foot rock pocket drained by a 4-inch subdrain pipe.

7.13.3 Subdrainage pipes at the base of the retaining wall drainage system should outlet to an acceptable location via controlled drainage structures. Drainage should not be allowed to flow uncontrolled over descending slopes.

7.13.4 Moisture affecting below grade walls is one of the most common post-construction complaints. Poorly applied or omitted waterproofing can lead to efflorescence or standing water. Particular care should be taken in the design and installation of waterproofing to avoid moisture problems, or actual water seepage into the structure through any normal shrinkage cracks which may develop in the concrete walls, floor slab, foundations and/or construction joints. The design and inspection of the waterproofing is not the responsibility of the geotechnical engineer. A waterproofing consultant should be retained in order to recommend a product or method, which would provide protection to subterranean walls, floor slabs and foundations.

7.14 Elevator Pit Design

7.14.1 The elevator pit slab and retaining wall should be designed by the project structural engineer. Elevator pit walls may be designed in accordance with the recommendations in the *Foundation Design* and *Retaining Wall Design* sections of this report (see Sections 7.5 and 7.11).

7.14.2 Additional active pressure should be added for a surcharge condition due to sloping ground, vehicular traffic or adjacent foundations and should be designed for each condition as the project progresses.

7.14.3 If retaining wall drainage is to be provided, the drainage system should be designed in accordance with the *Retaining Wall Drainage* section of this report (see Section 7.13)

7.14.4 It is suggested that the exterior walls and slab be waterproofed to prevent excessive moisture inside of the elevator pit. Waterproofing design and installation is not the responsibility of the geotechnical engineer.

7.15 Elevator Piston

7.15.1 If a plunger-type elevator piston is installed for this project, a deep drilled excavation will be required. It is important to verify that the drilled excavation is not situated immediately adjacent to a foundation or shoring pile, or the drilled excavation could compromise the existing foundation support or pile support, especially if the drilling is performed subsequent to the foundation or pile construction. Cobble and boulders may be encountered during excavation. Additionally, some of the site soils have little to no cohesion and are prone to excessive caving. The contractor should be prepared for difficult drilling conditions.

7.15.2 Casing will be required since caving is expected in the drilled excavation, and the contractor should be prepared to use casing and should have it readily available at the commencement of drilling activities. Continuous observation of the drilling and installation of the elevator piston by the Geotechnical Engineer (a representative of Geocon West, Inc.) is required.

7.15.3 The annular space between the piston casing and drilled excavation wall should be filled with a minimum of 1½-sack slurry pumped from the bottom up. As an alternative, pea gravel may be utilized. The use of soil to backfill the annular space is not acceptable.

7.16 Temporary Excavations

7.16.1 Excavations on the order of 14 feet in height may be required for excavation and construction of the proposed subterranean level, including foundation depths. The excavations are expected to expose artificial fill and granular alluvial soils, which are be subject to caving. Vertical excavations up to 5 feet in height may be attempted where not surcharged; however, the contractor should be prepared for caving, sloughing, and raveling in open excavations. Due to the granular nature of soils and potential for caving, the contractor should also be prepared to form foundation excavations at the excavation bottom.

7.16.2 Vertical excavations greater than 5 feet or where surcharged by existing structures will require sloping or shoring measures in order to provide a stable excavation. Where sufficient space is available, temporary unsurcharged embankments could be sloped back at a uniform 1:1 slope gradient or flatter up to maximum height of 8 feet. A uniform slope does not have a vertical portion. Where space is limited, shoring measures will be required. *Shoring* data is provided in Section 7.17 of this report.

7.16.3 Where temporary construction slopes are utilized, the top of the slope should be barricaded to prevent vehicles and storage loads at the top of the slope within a horizontal distance equal to the height of the slope. If the temporary construction slopes are to be maintained during the rainy season, berms are suggested along the tops of the slopes where necessary to prevent runoff water from entering the excavation and eroding the slope faces. Geocon personnel should inspect the soils exposed in the cut slopes during excavation so that modifications of the slopes can be made if variations in the soil conditions occur. All excavations should be stabilized within 30 days of initial excavation.

7.17 Shoring – Soldier Pile Design and Installation

7.17.1 The following information on the design and installation of shoring is preliminary. Review of the final shoring plans and specifications should be made by this office prior to bidding or negotiating with a shoring contractor.

7.17.2 One method of shoring would consist of steel soldier piles, placed in drilled holes and backfilled with concrete. The steel soldier piles may also be installed utilizing high frequency vibration. Where maximum excavation heights are less than 12 feet the soldier piles are typically designed as cantilevers. Where excavations exceed 12 feet or are surcharged, soldier piles may require lateral bracing utilizing drilled tie-back anchors or raker braces to maintain an economical steel beam size and prevent excessive deflection. The size of the steel beam, the need for lateral bracing, and the acceptable shoring deflection should be determined by the project shoring engineer. Due to the presence of cobbles and boulders the installation of steel soldier piles utilizing high frequency vibration is expected to be difficult. It is recommended that the contractor bidding on shoring installation for this project perform their own test borings and vibratory soldier pile installation with the intended equipment to verify the presence and size of buried rock (cobbles and boulders) as well as the suitability of the proposed equipment for the safe and efficient installation of the soldier piles.

7.17.3 The design embedment of the shoring pile toes must be maintained during excavation activities. The toes of the perimeter shoring piles should be deepened to take into account any required excavations necessary for foundation excavations and/or adjacent drainage systems.

7.17.4 The proposed soldier piles may also be designed as permanent piles. The required pile depths, dimensions, and spacing should be determined and designed by the project structural and shoring engineers. All piles utilized for shoring can also be incorporated into a permanent retaining wall system (shotcrete wall) and should be designed in accordance with the earth pressure provided in the *Retaining Wall Design* section of this report (see Section 7.11).

7.17.5 Drilled cast-in-place soldier piles should be placed no closer than 3 diameters on center. The minimum diameter of the piles is 18 inches. Structural concrete should be used for the soldier piles below the excavation; lean-mix concrete may be employed above that level. As an alternative, lean-mix concrete may be used throughout the pile where the reinforcing consists of a wideflange section. The slurry must be of sufficient strength to impart the lateral bearing pressure developed by the wideflange section to the soil. For design purposes, an allowable passive value for the soils below the bottom plane of excavation may be assumed to be 260 psf per foot. Where piles are installed by vibration techniques, the passive pressure may be assumed to mobilize across a width equal to the two times the dimension of the beam flange. The allowable passive value may be doubled for isolated piles spaced a minimum of three times the pile diameter. To develop the full lateral value, provisions should be implemented to assure firm contact between the soldier piles and the undisturbed alluvium.

7.17.6 Groundwater was not encountered during site exploration. However, groundwater levels can fluctuate and may be different at the time of construction. It is not uncommon for groundwater or seepage conditions to develop where none previously existed. Therefore, the contractor should be prepared for groundwater during pile installation should the need arise. If more than 6 inches of water is present in the bottom of the excavation, a tremie is required to place the concrete into the bottom of the hole. A tremie should consist of a rigid, water-tight tube having a diameter of not less than 6 inches with a hopper at the top. The tube should be equipped with a device that will close the discharge end and prevent water from entering the tube while it is being charged with concrete. The tremie should be supported so as to permit free movement of the discharge end over the entire top surface of the work and to permit rapid lowering when necessary to retard or stop the flow of concrete. The discharge end should be closed at the start of the work to prevent water entering the tube and should be entirely sealed at all times, except when the concrete is being placed. The tremie tube should be kept full of concrete. The flow should be continuous until the work is completed, and the resulting concrete seal should be monolithic and homogeneous. The tip of the tremie tube should always be kept about 5 feet below the surface of the concrete and definite steps and safeguards should be taken to ensure that the tip of the tremie tube is never raised above the surface of the concrete.

7.17.7 A special concrete mix should be used for concrete to be placed below water. The design should provide for concrete with an unconfined compressive strength pounds per square inch (psi) of 1,000 psi over the initial job specification. An admixture that reduces the problem of segregation of paste/aggregates and dilution of paste should be included. The slump should be commensurate to any research report for the admixture, provided that it should also be the minimum for a reasonable consistency for placing when water is present.

7.17.8 Please be aware that the use of hollow-stem auger drilling equipment utilized for this investigation does not allow for the identification of the size of rocks being encountered or the visual observation of caving conditions since the drilling method is a small diameter cased excavation. It is recommended that the contractor bidding on excavation and shoring installation for this project perform their own test borings with the intended drilling equipment to verify the presence and size of buried rock (cobbles and boulders), potential for caving, as well as the suitability of the proposed drilling equipment for the safe and efficient installation of the shoring system.

7.17.9 Cobbles are anticipated to be encountered and excessive caving is expected to occur, and the contractor should have casing available prior to commencement of drilling activities. When casing is used, extreme care should be employed so that the pile is not pulled apart as the casing is withdrawn. At no time should the distance between the surface of the concrete and the bottom of the casing be less than 5 feet. As an alternative, piles may be vibrated into place; however, there is always a risk that excessive vibrations in sandy soils could induce settlements and distress to adjacent offsite improvements. Continuous observation of the drilling and pouring of the piles by the Geotechnical Engineer (a representative of Geocon West, Inc.), is required.

7.17.10 If a vibratory method of solider pile installation is utilized, predrilling may be performed prior to installation of the steel beams. If predrilling is performed, it is recommended that the bore diameter be at least 2 inches smaller than the largest dimension of the pile to prevent excessive loss in the frictional component of the pile capacity. Predrilling should not be conducted below the proposed excavation bottom.

7.17.11 If a vibratory method is utilized, the owner should be aware of the potential risks associated with vibratory efforts, which typically involve inducing settlement within the vicinity of the pile which could result in a potential for damage to existing improvements in the area.

7.17.12 The level of vibration that results from the installation of the piles should not exceed a threshold where occupants of nearby structures are disturbed, despite higher vibration tolerances that a building may endure without deformation or damage. The main parameter used for vibration assessment is peak particle velocity in units of inch per second (in/sec). The acceptable range of peak particle velocity should be evaluated based on the age and condition of adjacent structures, as well as the tolerance of human response to vibration.

7.17.13 Based on Table 19 of the *Transportation and Construction Induced Vibration Guidance Manual* (Caltrans 2020), a continuous source of vibrations (ex. vibratory pile driving) which generates a maximum peak particle velocity of 0.5 in/sec is considered tolerable for modern industrial/commercial buildings and new residential structures. The Client should be aware that a lower value may be necessary if older or fragile structures are in the immediate vicinity of the site.

7.17.14 Vibrations should be monitored and record with seismographs during pile installation to detect the magnitude of vibration and oscillation experienced by adjacent structures. If the vibrations exceed the acceptable range during installation, the shoring contractor should modify the installation procedure to reduce the values to within the acceptable range. Vibration monitoring is not the responsibility of the Geotechnical Engineer.

7.17.15 Geocon does not practice in the field of vibration monitoring. If construction techniques will be implemented, it is recommended that qualified consultant be retained to provide site specific recommendations for vibration thresholds and monitoring.

7.17.16 The frictional resistance between the soldier piles and retained soil may be used to resist the vertical component of the load. The coefficient of friction may be taken as 0.4 based on uniform contact between the steel beam and lean-mix concrete and retained earth. The portion of soldier piles below the plane of excavation may also be employed to resist the downward loads. The downward capacity may be determined using a frictional resistance of 500 psf per foot.

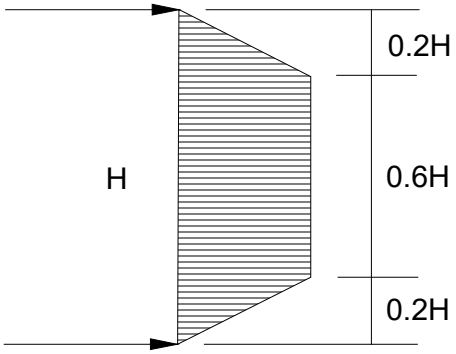
7.17.17 Due to the nature of the site soils, it is expected that continuous lagging between soldier piles will be required. However, it is recommended that the exposed soils be observed by the Geotechnical Engineer (a representative of Geocon West, Inc.), to verify the presence of any competent, cohesive soils and the areas where lagging may be omitted.

7.17.18 The time between lagging excavation and lagging placement should be as short as possible soldier piles should be designed for the full-anticipated pressures. Due to arching in the soils, the pressure on the lagging will be less. It is recommended that the lagging be designed for the full design pressure but be limited to a maximum of 400 psf.

7.17.19 For the design of unbraced shoring, it is recommended that an equivalent fluid pressure be utilized for design. A trapezoidal distribution of lateral earth pressure may be used where shoring will be restrained by bracing or tie backs. The recommended active and trapezoidal pressure are provided in the following table. A diagram depicting the trapezoidal pressure distribution of lateral earth pressure is provided below the table.

HEIGHT OF SHORING (FEET)	**EQUIVALENT FLUID PRESSURE (Pounds Per Cubic Foot) (ACTIVE PRESSURE)**	**EQUIVALENT FLUID PRESSURE Trapezoidal (Where H is the height of the shoring in feet)**
Up to 14	28	18H

Trapezoidal Distribution of Pressure



7.17.20 It is very important to note that active pressures can only be achieved when movement in the soil (earth wall) occurs. If movement in the soil is not acceptable, such as adjacent to an existing structure, or the pile is restrained from movement by bracing or a tie back anchor, an at-rest pressure of 50 pcf should be considered for design purposes.

7.17.21 Where a combination of sloped embankment and shoring is utilized, the pressure will be greater and must be determined for each combination. Additional active pressure should be added for a surcharge condition due to sloping ground, vehicular traffic, or adjacent structures and must be determined for each combination.

7.17.22 It is recommended that line-load surcharges from adjacent wall footings, use horizontal pressures generated from NAV-FAC DM 7.2. The governing equations are:

$$For\ {}^{x}/_{H} \leq 0.4$$

$$\sigma_H(z) = \frac{0.20 \times \left(\frac{z}{H}\right)}{\left[0.16 + \left(\frac{z}{H}\right)^2\right]^2} \times \frac{Q_L}{H}$$

and

$$For\ {}^{x}/_{H} > 0.4$$

$$\sigma_H(z) = \frac{1.28 \times \left(\frac{x}{H}\right)^2 \times \left(\frac{z}{H}\right)}{\left[\left(\frac{x}{H}\right)^2 + \left(\frac{z}{H}\right)^2\right]^2} \times \frac{Q_L}{H}$$

where x is the distance from the face of the excavation or wall to the vertical line-load, H is the distance from the bottom of the footing to the bottom of excavation or wall, z is the depth at which the horizontal pressure is desired, Q_L is the vertical line-load and $\sigma_H(z)$ is the horizontal pressure at depth z.

7.17.23 It is recommended that vertical point-loads, from construction equipment outriggers or adjacent building columns use horizontal pressures generated from NAV-FAC DM 7.2. The governing equations are:

$$For\ {}^{x}/_{H} \leq 0.4$$

$$\sigma_H(z) = \frac{0.28 \times \left(\frac{z}{H}\right)^2}{\left[0.16 + \left(\frac{z}{H}\right)^2\right]^3} \times \frac{Q_P}{H^2}$$

and

$$For\ {}^{x}/_{H} > 0.4$$

$$\sigma_H(z) = \frac{1.77 \times \left(\frac{x}{H}\right)^2 \times \left(\frac{z}{H}\right)^2}{\left[\left(\frac{x}{H}\right)^2 + \left(\frac{z}{H}\right)^2\right]^3} \times \frac{Q_P}{H^2}$$

then

$$\sigma'_H(z) = \sigma_H(z) cos^2(1.1\theta)$$

where x is the distance from the face of the excavation/wall to the vertical point-load, H is distance from the outrigger/bottom of column footing to the bottom of excavation, z is the depth at which the horizontal pressure is desired, Q_P is the vertical point-load, $\sigma_H(z)$ is the horizontal pressure at depth z, θ is the angle between a line perpendicular to the excavation/wall and a line from the point-load to location on the excavation/wall where the surcharge is being evaluated, and $\sigma_H(z)$ is the horizontal pressure at depth z.

7.17.24 In addition to the recommended earth pressure, the upper 10 feet of the shoring adjacent to the street or driveway areas should be designed to resist a uniform lateral pressure of 100 psf, acting as a result of an assumed 300 psf surcharge behind the shoring due to normal street traffic. If the traffic is kept back at least 10 feet from the shoring, the traffic surcharge may be neglected.

7.17.25 It is difficult to accurately predict the amount of deflection of a shored embankment. It should be realized that some deflection will occur. It is recommended that the deflection be minimized to prevent damage to existing structures and adjacent improvements. Where public rights-of-way are present or adjacent offsite structures do not surcharge the shoring excavation, the shoring deflection should be limited to less than 1 inch at the top of the shored embankment. Where offsite structures are within the shoring surcharge area it is recommended that the beam deflection be limited to less than ½ inch at the elevation of the adjacent offsite foundation, and no deflection at all if deflections will damage existing structures. The allowable deflection is dependent on many factors, such as the presence of structures and utilities near the top of the embankment, and will be assessed and designed by the project shoring engineer.

7.17.26 Because of the depth of the excavation, some means of monitoring the performance of the shoring system is suggested. The monitoring should consist of periodic surveying of the lateral and vertical locations of the tops of all soldier piles and the lateral movement along the entire lengths of selected soldier piles.

7.17.27 Due to the depth of the excavation and proximity to adjacent structures, it is suggested that prior to excavation the existing improvements be inspected, and their present condition be documented. For documentation purposes, photographs should be taken of preconstruction distress conditions and level surveys of adjacent grade and pavement should be considered. During excavation activities, the adjacent structures and pavement should be periodically inspected for signs of distress. In the event that distress or settlement is observed, an investigation should be performed, and corrective measures taken so that continued or worsened distress or settlement is mitigated. Documentation and monitoring of the offsite structures and improvements is not the responsibility of the geotechnical engineer.

7.18 Temporary Tie-Back Anchors

7.18.1 Temporary tie-back anchors may be used with the solider pile wall system to resist lateral loads. Post-grouted friction anchors are recommended. For design purposes, it may be assumed that the active wedge adjacent to the shoring is defined by a plane drawn 35 degrees with the vertical through the bottom plane of the excavation. Friction anchors should extend a minimum of 20 feet beyond the potentially active wedge and to greater lengths if necessary to develop the desired capacities. The locations and depths of all offsite utilities should be thoroughly checked and incorporated into the drilling angle design for the tie-back anchors.

7.18.2 The capacities of the anchors should be determined by testing of the initial anchors as outlined in a following section. Only the frictional resistance developed beyond the active wedge would be effective in resisting lateral loads. Anchors should be placed at least 6 feet on center to be considered isolated. For preliminary design purposes, it is estimated that drilled friction anchors constructed without utilizing post-grouting techniques will develop average skin frictions as follows:

- 7 feet below the top of the excavation – 950 pounds per square foot

7.18.3 Depending on the techniques utilized, and the experience of the contractor performing the installation, a maximum allowable friction capacity of 3.0 kips per linear foot for post-grouted anchors (for a minimum 20-foot length beyond the active wedge) may be assumed for design purposes. Only the frictional resistance developed beyond the active wedge should be utilized in resisting lateral loads. Higher capacities may be possible but must be verified by testing.

7.19 Anchor Installation

7.19.1 Tie-back anchors are typically installed between 20 and 40 degrees below the horizontal; however, occasionally alternative angles are necessary to avoid existing improvements and utilities. The locations and depths of all offsite utilities should be thoroughly checked prior to design and installation of the tie-back anchors. Caving of the anchor shafts, particularly within sand and gravel deposits or seepage zones, should be anticipated during installation and provisions should be implemented in order to minimize such caving. It is suggested that hollow-stem auger drilling equipment be used to install the anchors. The anchor shafts should be filled with concrete by pumping from the tip out, and the concrete should extend from the tip of the anchor to the active wedge. In order to minimize the chances of caving, it is recommended that the portion of the anchor shaft within the active wedge be backfilled with sand before testing the anchor. This portion of the shaft should be filled tightly and flush with the face of the excavation. The sand backfill should be placed by pumping; the sand may contain a small amount of cement to facilitate pumping.

7.20 Anchor Testing

7.20.1 All of the anchors should be tested to at least 150 percent of design load. The total deflection during this test should not exceed 12 inches. The rate of creep under the 150 percent test load should not exceed 0.1 inch over a 15-minute period in order for the anchor to be approved for the design loading.

7.20.2 At least 10 percent of the anchors should be selected for "quick" 200 percent tests and three additional anchors should be selected for 24-hour 200 percent tests. The purpose of the 200 percent tests is to verify the friction value assumed in design. The anchors should be tested to develop twice the assumed friction value. These tests should be performed prior to installation of additional tiebacks. Where satisfactory tests are not achieved on the initial anchors, the anchor diameter and/or length should be increased until satisfactory test results are obtained.

7.20.3 The total deflection during the 24-hour 200 percent test should not exceed 12 inches. During the 24-hour tests, the anchor deflection should not exceed 0.75 inches measured after the 200 percent test load is applied.

7.20.4 For the "quick" 200 percent tests, the 200 percent test load should be maintained for 30 minutes. The total deflection of the anchor during the 200 percent quick tests should not exceed 12 inches; the deflection after the 200 percent load has been applied should not exceed 0.25 inch during the 30-minute period.

7.20.5 After a satisfactory test, each anchor should be locked-off at the design load. This should be verified by rechecking the load in the anchor. The load should be within 10 percent of the design load. A representative of this firm should observe the installation and testing of the anchors.

7.21 Internal Bracing

7.21.1 Rakers may be utilized to brace the soldier piles in lieu of tieback anchors. The raker bracing could be supported laterally by temporary concrete footings (deadmen) or by the permanent, interior footings. For design of such temporary footings or deadmen, poured with the bearing surface normal to rakers inclined at 45 degrees, a bearing value of 1,500 psf may be used, provided the shallowest point of the footing is at least one foot below the lowest adjacent grade. The structural engineer should review the shoring plans to determine if raker footings conflict with the structural foundation system. The client should be aware that the utilization of rakers could significantly impact the construction schedule due to their intrusion into the construction site and potential interference with equipment.

7.22 Stormwater Infiltration

7.22.1 During the May 20, 2022 site exploration, boring B4 was utilized to perform percolation testing. The boring was advanced and then backfilled to the depth listed in the table below. Slotted casing was placed in the boring, and the annular space between the casing and excavation was filled with gravel. The boring was then filled with water to pre-saturate the soils. The casing was refilled with water and percolation test readings were performed after repeated flooding of the cased excavation. Based on the test results, the measured infiltration rate and design infiltration rate, for the earth materials encountered, are provided in the following table. These values have been calculated in accordance with the Small Diameter Boring Infiltration Test Procedure in the County of Los Angeles Department of Public Works GMED *Guidelines for Geotechnical Investigation and Reporting, Low Impact Development Stormwater Infiltration* (June 2021). Percolation test field data and calculation of the measured infiltration rate and design infiltration rate are provided on Figure 7.

Boring	Soil Type	Infiltration Depth (ft)	Measured Infiltration Rate (in / hour)	Design Infiltration Rate (in / hour)
B4	SM / SP	30 – 35	11.20	3.73

7.22.2 Based on the test method utilized (Small Diameter Boring), the reduction factor RF_t may be taken as 1.0 in the infiltration system design. Based on the number of tests performed and consistency of the soils throughout the site, it is suggested that the reduction factor RF_v be taken as 1.0. In addition, provided proper maintenance is performed to minimize long-term siltation and plugging, the reduction factor RF_s may be taken as 1.0. Additional reduction factors may be required and should be applied by the engineer in responsible charge of the design of the stormwater infiltration system and based on applicable guidelines.

7.22.3 The results of the percolation testing indicate that the soils at depths in the above table are conducive to infiltration. It is our opinion that the soil zone encountered at the depth and location as listed in the table above are suitable for infiltration of stormwater.

7.22.4 It is our further opinion that infiltration of stormwater and will not induce excessive hydro-consolidation (see Figures B10 through B28), will not create a perched groundwater condition, will not affect soil structure interaction of existing or proposed foundations due to expansive soils, will not saturate soils supported by existing or proposed retaining walls, and will not increase the potential for liquefaction. Resulting settlements are anticipated to be less than ¼ inch, if any.

7.22.5 The infiltration system must be located such that the closest distance between an adjacent foundation is at least 15 feet in all directions from the zone of saturation. The zone of saturation may be assumed to project downward from the discharge of the infiltration facility at a gradient of 1:1. Additional property line or foundation setbacks may be required by the governing jurisdiction and should be incorporated into the stormwater infiltration system design as necessary.

7.22.6 Where the 15-foot horizontal setback cannot be maintained between the infiltration system and an adjacent footing, and the infiltration system penetrates below the foundation influence line, the proposed stormwater infiltration system must be designed to resist the surcharge from the adjacent foundation. The foundation surcharge line may be assumed to project down away from the bottom of the foundation at a 1:1 gradient. The stormwater infiltration system must still be sufficiently deep to maintain the 15-foot vertical offset between the bottom of the footing and the zone of saturation.

7.22.7 Subsequent to the placement of the infiltration system, it is acceptable to backfill the resulting void space between the excavation sidewalls and the infiltration system with minimum two-sack slurry provided the slurry is not placed in the infiltration zone. It is recommended that pea gravel be utilized adjacent to the infiltration zone so communication of water to the soil is not hindered.

7.22.8 Due to the preliminary nature of the project at this time, the type of stormwater infiltration system and location of the stormwater infiltration systems has not yet been determined. The design drawings should be reviewed and approved by the Geotechnical Engineer. The installation of the stormwater infiltration system should be observed and approved by the Geotechnical Engineer (a representative of Geocon).

7.23 Surface Drainage

7.23.1 Proper surface drainage is critical to the future performance of the project. Uncontrolled infiltration of irrigation excess and storm runoff into the soils can adversely affect the performance of the planned improvements. Saturation of a soil can cause it to lose internal shear strength and increase its compressibility, resulting in a change in the original designed engineering properties. Proper drainage should be maintained at all times.

7.23.2 All site drainage should be collected and controlled in non-erosive drainage devices. Drainage should not be allowed to pond anywhere on the site, and especially not against any foundation or retaining wall. The site should be graded and maintained such that surface drainage is directed away from structures in accordance with 2019 CBC 1804.4 or other applicable standards. In addition, drainage should not be allowed to flow uncontrolled over any descending slope. Discharge from downspouts, roof drains and scuppers are not recommended onto unprotected soils within 5 feet of the building perimeter. Planters which are located adjacent to foundations should be sealed to prevent moisture intrusion into the soils providing foundation support. Landscape irrigation is not recommended within 5 feet of the building perimeter footings except when enclosed in protected planters.

7.23.3 Positive site drainage should be provided away from structures, pavement, and the tops of slopes to swales or other controlled drainage structures. The building pad and pavement areas should be fine graded such that water is not allowed to pond.

7.23.4 Landscaping planters immediately adjacent to paved areas are not recommended due to the potential for surface or irrigation water to infiltrate the pavement's subgrade and base course. Either a subdrain, which collects excess irrigation water and transmits it to drainage structures, or an impervious above-grade planter boxes should be used. In addition, where landscaping is planned adjacent to the pavement, it is recommended that consideration be given to providing a cutoff wall along the edge of the pavement that extends at least 12 inches below the base material.

7.24 Plan Review

7.24.1 Grading, foundation, and shoring plans should be reviewed by the Geotechnical Engineer (a representative of Geocon West, Inc.), prior to finalization to verify that the plans have been prepared in substantial conformance with the recommendations of this report and to provide additional analyses or recommendations.

LIMITATIONS AND UNIFORMITY OF CONDITIONS

1. The recommendations of this report pertain only to the site investigated and are based upon the assumption that the soil conditions do not deviate from those disclosed in the investigation. If any variations or undesirable conditions are encountered during construction, or if the proposed construction will differ from that anticipated herein, Geocon West, Inc. should be notified so that supplemental recommendations can be given. The evaluation or identification of the potential presence of hazardous or corrosive materials was not part of the scope of services provided by Geocon West, Inc.

2. This report is issued with the understanding that it is the responsibility of the owner, or of his representative, to ensure that the information and recommendations contained herein are brought to the attention of the architect and engineer for the project and incorporated into the plans, and the necessary steps are taken to see that the contractor and subcontractors carry out such recommendations in the field.

3. The findings of this report are valid as of the date of this report. However, changes in the conditions of a property can occur with the passage of time, whether they are due to natural processes or the works of man on this or adjacent properties. In addition, changes in applicable or appropriate standards may occur, whether they result from legislation or the broadening of knowledge. Accordingly, the findings of this report may be invalidated wholly or partially by changes outside our control. Therefore, this report is subject to review and should not be relied upon after a period of three years.

4. The firm that performed the geotechnical investigation for the project should be retained to provide testing and observation services during construction to provide continuity of geotechnical interpretation and to check that the recommendations presented for geotechnical aspects of site development are incorporated during site grading, construction of improvements, and excavation of foundations. If another geotechnical firm is selected to perform the testing and observation services during construction operations, that firm should prepare a letter indicating their intent to assume the responsibilities of project geotechnical engineer of record. A copy of the letter should be provided to the regulatory agency for their records. In addition, that firm should provide revised recommendations concerning the geotechnical aspects of the proposed development, or a written acknowledgement of their concurrence with the recommendations presented in our report. They should also perform additional analyses deemed necessary to assume the role of Geotechnical Engineer of Record.

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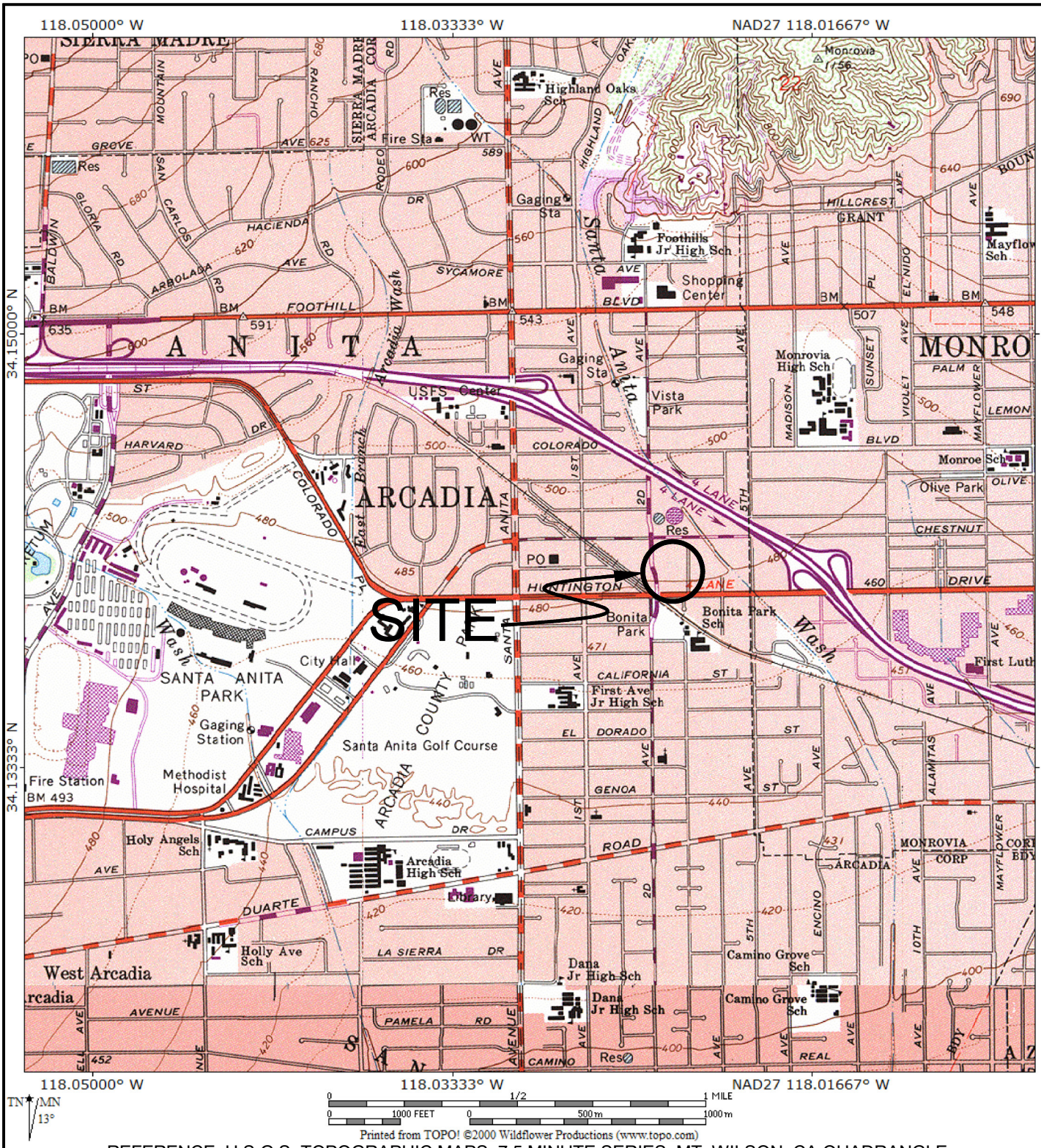
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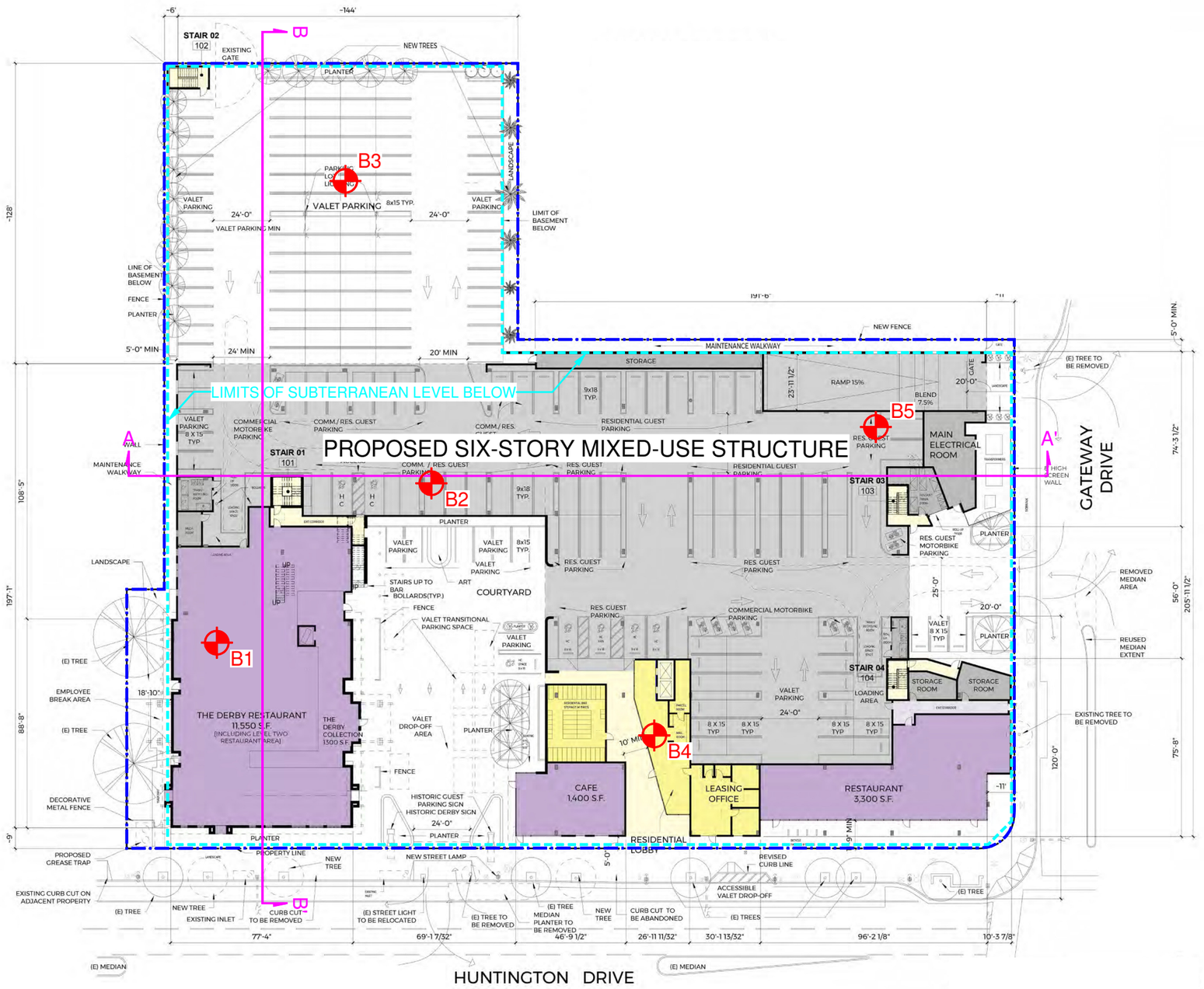
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VICINITY MAP

233-301 EAST HUNTINGTON DRIVE
ARCADIA, CALIFORNIA

DRAFTED BY: RA	CHECKED BY: SFK

JUNE 2022	PROJECT NO. W1567-06-01	FIG. 1



LEGEND

B5 Approximate Location of Boring

Approximate Location of Property Line

0 50' 100'

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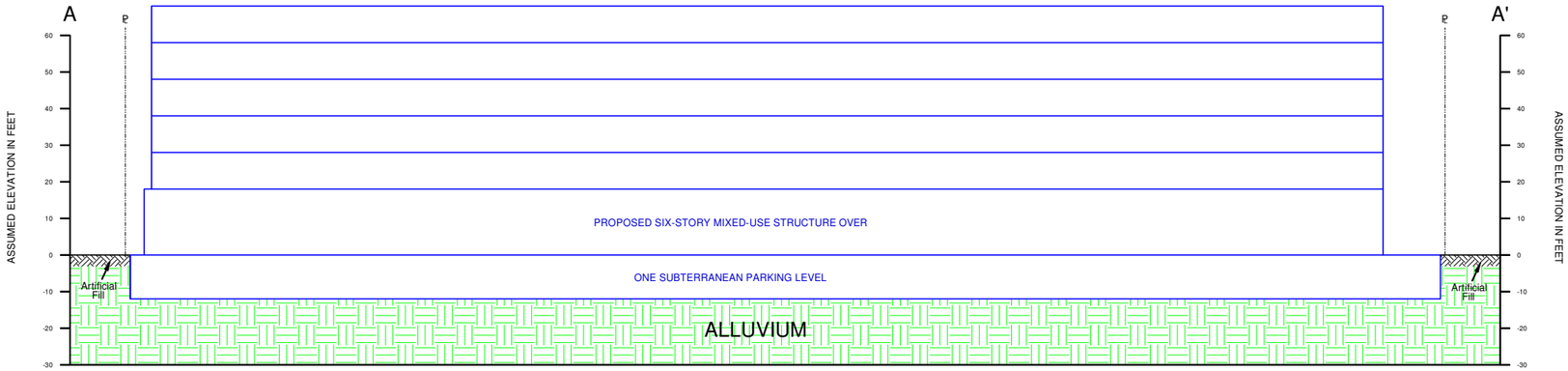
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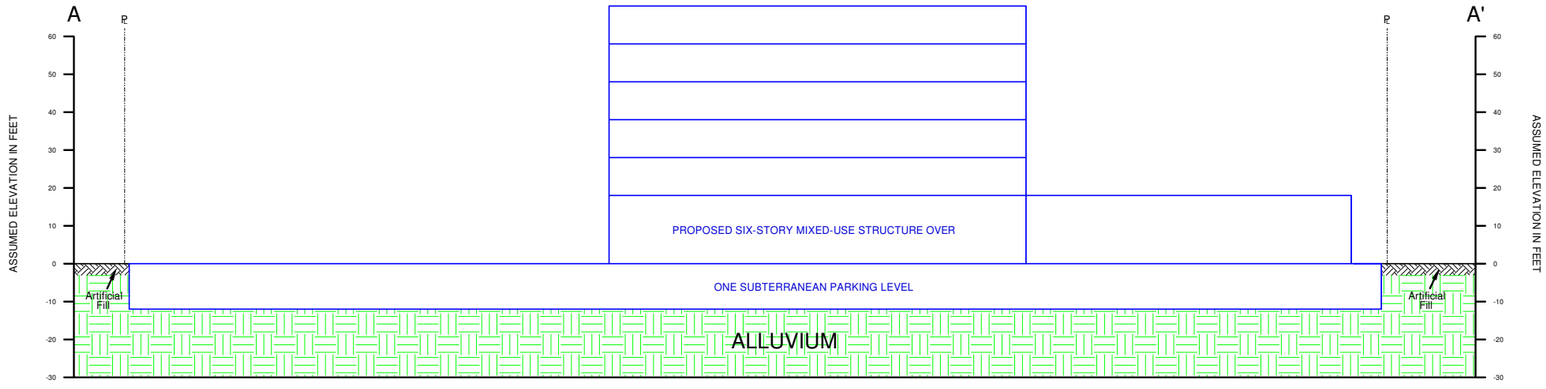
SITE PLAN

233-301 EAST HUNTINGTON DRIVE
ARCADIA, CALIFORNIA

JUNE 2022	PROJECT NO. W1567-06-01	FIG. 2A



SECTION A - A'



SECTION B - B'

0 40' 80'

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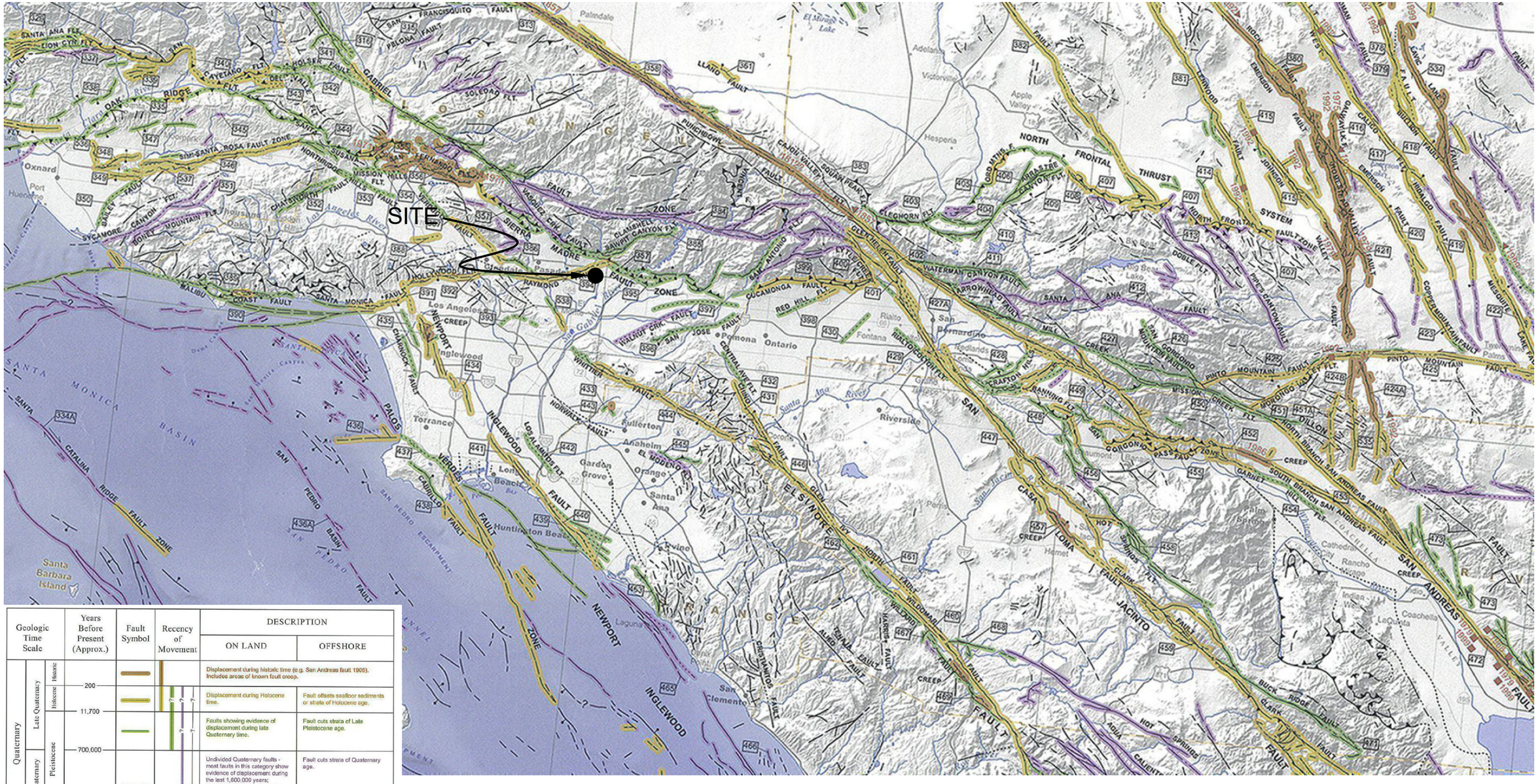
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CROSS SECTIONS

233-301 EAST HUNTINGTON DRIVE
ARCADIA, CALIFORNIA

JUNE 2022	PROJECT NO. W1567-06-01	FIG. 2B

Reference: Jennings, C.W. and Bryant, W. A., 2010, Fault Activity Map of California, California Geological Survey Geologic Data Map No. 6.



Geologic Time Scale			Years Before Present (Approx.)	Fault Symbol	Recency of Movement	DESCRIPTION	
						ON LAND	OFFSHORE
Quaternary	Late Quaternary	Historic	200			Displacement during historic time (e.g. San Andreas fault 1906). Includes areas of known fault creep.	
		Holocene	11,700		? ? ?	Displacement during Holocene time.	Fault offsets seafloor sediments or strata of Holocene age.
					? ? ?	Faults showing evidence of displacement during late Quaternary time.	Fault cuts strata of Late Pleistocene age.
	Early Quaternary	Pleistocene	700,000		?	Undivided Quaternary faults - most faults in this category show evidence of displacement during the last 1,600,000 years; possible exceptions are faults which displace rocks of undifferentiated Plio-Pleistocene age.	Fault cuts strata of Quaternary age.
Pre-Quaternary			1,600,000*			Faults without recognized Quaternary displacement or showing evidence of no displacement during Quaternary time. Not necessarily inactive.	Fault cuts strata of Pliocene or older age.
			4.5 billion (Age of Earth)				

* Quaternary now recognized as extending to 2.6 Ma (Walker and Geissman, 2009). Quaternary faults in this map were established using the previous 1.6 Ma criterion.

0 12 24 Miles

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REGIONAL FAULT MAP

233-301 EAST HUNTINGTON DRIVE
ARCADIA, CALIFORNIA

JUNE 2022 | PROJECT NO. W1567-06-01 | FIG. 3

SANTA BARBARA
VENTURA
LOS ANGELES
ORANGE
RIVERSIDE
IMPERIAL
SAN DIEGO
SITE
120°
33°
119°

EPICENTER MAP LEGEND

Period	1800 - 1868	1869 - 1931	1932 - 1999
≥ 7.0			
6.5 - 6.9			
6.0 - 6.4			
5.5 - 5.9			
5.0 - 5.4			

Magnitude (M)

- Historical Faulting
- Holocene Faulting
- Highways (Major)
- Highways (Minor)
- Lakes
- 65 — Last two digits of M ≥ 6.5 earthquake year

Reference: Toppozada, T., Branum, D., Petersen, M., Hallstrom, C., Cramer, C., and Reichle, M., 2000, Epicenters and Areas Damaged by M≥5 California Earthquakes, 1800 - 1999, California Geological Survey, Map Sheet 49.

N

0 20 40 Miles

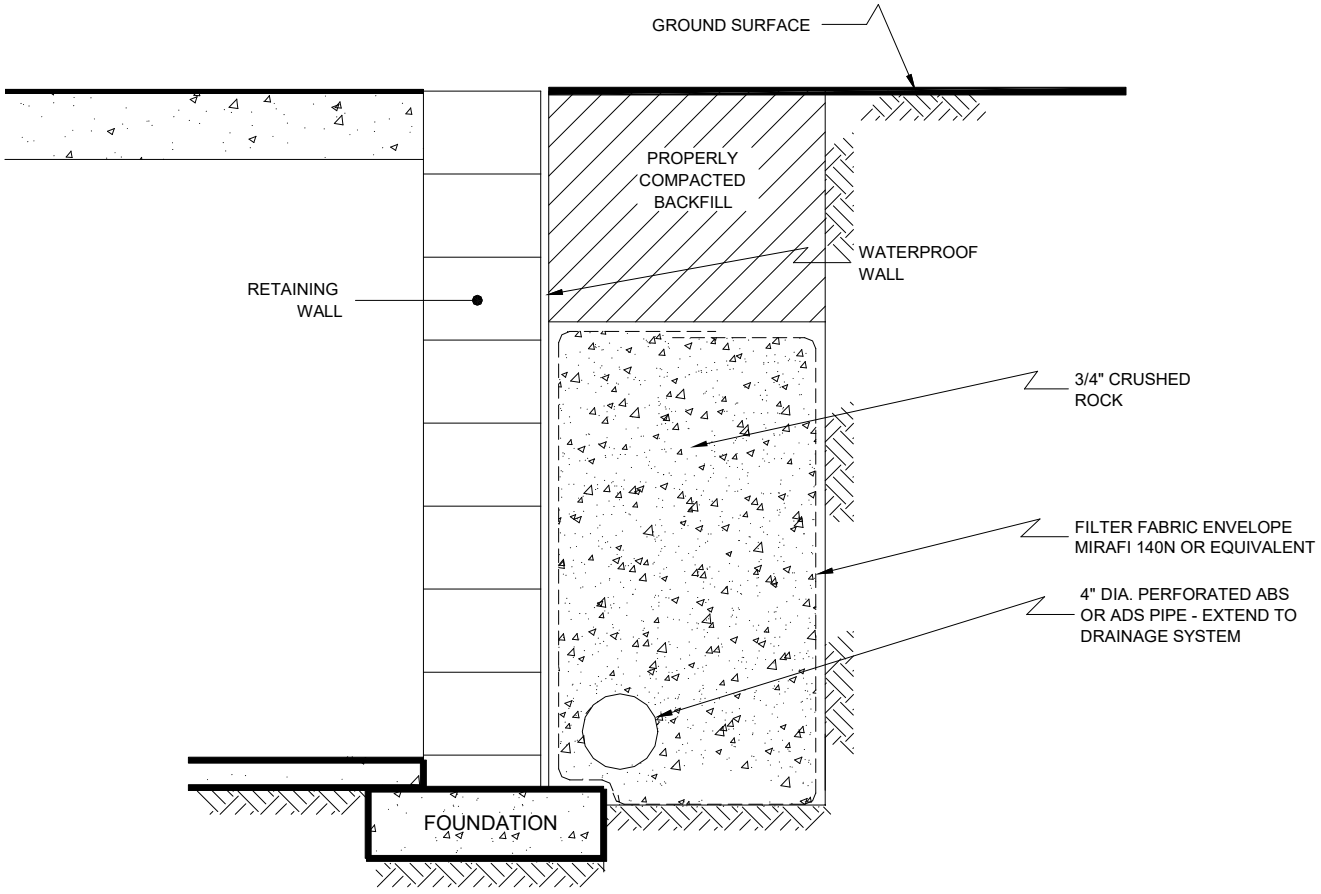
GEOCON WEST, INC.
ENVIRONMENTAL GEOTECHNICAL MATERIALS
3303 N. SAN FERNANDO BLVD. - SUITE 100 - BURBANK, CA 91504
PHONE (818) 841-8388 - FAX (818) 841-1704

DRAFTED BY: RA | CHECKED BY: SFK

REGIONAL SEISMICITY MAP

233-301 EAST HUNTINGTON DRIVE
ARCADIA, CALIFORNIA

JUNE 2022 | PROJECT NO. W1567-06-01 | FIG. 4



NO SCALE

GEOCON WEST, INC.

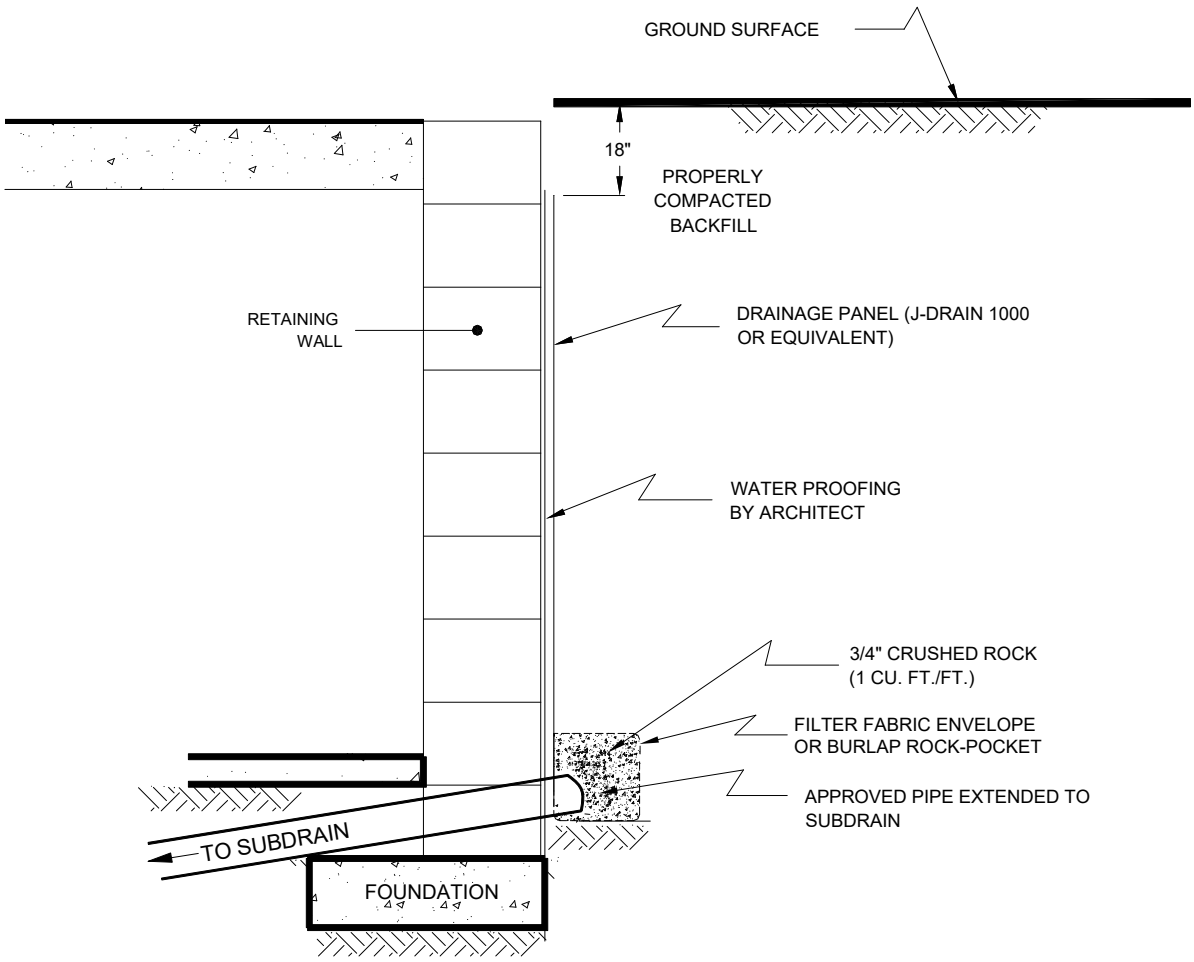
ENVIRONMENTAL GEOTECHNICAL MATERIALS
3303 N. SAN FERNANDO BLVD. - SUITE 100 - BURBANK, CA 91504
PHONE (818) 841-8388 - FAX (818) 841-1704

DRAFTED BY: PZ	CHECKED BY: HHD

RETAINING WALL DRAIN DETAIL

233-301 EAST HUNTINGTON DRIVE
ARCADIA, CALIFORNIA

JUNE 2022	PROJECT NO. W1567-06-01	FIG. 5



NO SCALE

GEOCON WEST, INC.

ENVIRONMENTAL GEOTECHNICAL MATERIALS
3303 N. SAN FERNANDO BLVD. - SUITE 100 - BURBANK, CA 91504
PHONE (818) 841-8388 - FAX (818) 841-1704

DRAFTED BY: PZ	CHECKED BY: HHD

RETAINING WALL DRAIN DETAIL

233-301 EAST HUNTINGTON DRIVE
ARCADIA, CALIFORNIA

JUNE 2022	PROJECT NO. W1567-06-01	FIG. 6

BORING PERCOLATION TEST FIELD LOG

Date:	5/20/2022	**Boring/Test Number:**	B4	
Project Number:	W1567-06-01	**Diameter of Boring:**	8	inches
Project Location:	233-301 E Huntington Dr.	**Diameter of Casing:**	2	inches
Earth Description:	SM / SP	**Depth of Boring:**	35	feet
Tested By:	JJK	**Depth to Invert of BMP:**	30	feet
Liquid Description:	Water	**Depth to Water Table:**	200	feet
Measurement Method:	Sounder	**Depth to Initial Water Depth (d_1):**	360	inches
Start Time for Pre-Soak:	1:30 PM	**Water Remaining in Boring (Y/N):**	No	
Start Time for Standard:	2:30 PM	**Standard Time Interval Between Readings:**	10 min	

Reading Number	Initial Water Depth (ft)	Final Water Depth (ft)	Elapsed Time Δtime (min)	Water Drop During Standard Time Interval, Δd (in)	Soil Description Notes Comments
1	30.00	34.97	10	59.6	
2	30.00	34.96	10	59.5	
3	30.00	34.86	10	58.3	
4	30.00	34.88	10	58.6	
5	30.00	34.87	10	58.4	
6	30.00	34.86	10	58.3	
7	30.00	34.81	10	57.7	
8	30.00	34.80	10	57.6	Stabilized Readings Achieved

MEASURED INFILTRATION RATE & DESIGN INFILTRATION RATE CALCULATIONS*

* Calculations Below Based on Stabilized Readings Only

Boring Radius, r: 4 inches

Test Section Height, h: 60.0 inches

$$Test\ Section\ Surface\ Area, A = 2\pi rh + \pi r^2$$

A = **1558** in^2

$$Discharged\ Water\ Volume, V = \pi r^2 \Delta d$$

$$Percolation\ Rate = \left(\frac{V/A}{\Delta T}\right)$$

Reading 6	V =	**2931**	in^3	Infiltration Rate =	**11.29**	inches/hour
Reading 7	V =	**2901**	in^3	Infiltration Rate =	**11.17**	inches/hour
Reading 8	V =	**2895**	in^3	Infiltration Rate =	**11.15**	inches/hour

Measured Infiltration Rate = **11.20** inches/hour

Reduction Factors

Small Diameter Boring, RF_t = 1

Site Variability, RF_v = 1

Long Term Siltation, RF_s = 1

$$Total\ Reduction\ Factor, RF = RF_t + RF_v + RF_s$$

Total Reduction Factor = 3

Design Infiltration Rate

$$Design\ Infiltration\ Rate = Measured\ Infiltration\ Rate\ /RF$$

Design Infiltration Rate = **3.73** inches/hour

FIGURE 7

APPENDIX A

APPENDIX A

FIELD INVESTIGATION

The site was explored on May 20, 2022 by excavating five 8-inch diameter borings to depths ranging from approximately 30½ to 45½ feet below the existing ground surface using a truck-mounted, hollow-stem auger drilling machine. Representative and relatively undisturbed samples were obtained by driving a 3 inch, O. D., California Modified Sampler into the "undisturbed" soil mass with blows from a 140-pound auto-hammer falling 30 inches. The California Modified Sampler was equipped with 1-inch high by 2⅜-inch diameter brass sampler rings to facilitate soil removal and testing. Bulk samples were also obtained.

The soil conditions encountered in the borings were visually examined, classified and logged in general accordance with the Unified Soil Classification System (USCS). The logs of the borings are presented on Figures A1 through A5. The logs depict the soil and geologic conditions encountered and the depth at which samples were obtained. The logs also include our interpretation of the conditions between sampling intervals. Therefore, the logs contain both observed and interpreted data. We determined the lines designating the interface between soil materials on the logs using visual observations, penetration rates, excavation characteristics and other factors. The transition between materials may be abrupt or gradual. Where applicable, the logs were revised based on subsequent laboratory testing. The locations of the borings are shown on Figure 2A.

PROJECT NO. W1567-06-01

BORING 1

ELEV. (MSL.) -- DATE COMPLETED **05/20/2022**

EQUIPMENT **HOLLOW STEM AUGER** BY: **JJK**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT*)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0					**ASPHALT: 3" BASE: 4"**			
					ARTIFICIAL FILL			
2					Sand with Silt, poorly graded, medium dense, moist, light olive brown, fine-grained, some medium-grained, trace coarse-grained.			
					ALLUVIUM			
4				SP-SM	Sand with Silt, poorly graded, medium dense, moist, light olive brown, fine-grained.			
	B1@5'				- trace medium- and coarse-grained	20	105.4	6.2
6								
8					Sand with Silt, well-graded, medium dense, moist, light olive brown, fine- to coarse-grained.			
				SW-SM				
10	B1@10'					20	108.6	2.2
	BULK 10-15'							
12								
	B1@12.5'			SP-SM	Sand with Silt, poorly graded, medium dense, moist, light olive brown, fine-grained.	37	99.9	8.1
14					Sand, poorly graded, medium dense, moist, brown, fine- to medium-grained.			
	B1@15'					30	111.5	5.0
16								
18	B1@17.5'				- trace coarse gravel	31	119.2	2.8
20	B1@20'				- dense, small cobble fragments	71	136.7	1.0
				SP				
22								
24								
	B1@25'				- medium dense, no small cobbles or coarse-grained, trace fine gravel	53	114.7	3.1
26								
28								

W1567-06-01 BORING LOGS.GPJ

Figure A1,
Log of Boring 1, Page 1 of 2

SAMPLE SYMBOLS

- ... SAMPLING UNSUCCESSFUL
- ... STANDARD PENETRATION TEST
- ... DRIVE SAMPLE (UNDISTURBED)
- ... DISTURBED OR BAG SAMPLE
- ... CHUNK SAMPLE
- ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

GEOCON

PROJECT NO. W1567-06-01

BORING 1

ELEV. (MSL.) -- DATE COMPLETED **05/20/2022**

EQUIPMENT **HOLLOW STEM AUGER** BY: **JJK**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT*)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
30	B1@30'			SP	- trace coarse gravel, no fine-grained	37	123.8	3.6
32								
34								
	B1@35'				- dense, poorly graded	57	116.0	4.1
36					Silty Sand, medium dense, moist to very moist, olive brown, fine-grained, trace coarse-grained and fine gravel.			
38				SM				
40	B1@40'					39	113.6	9.8

Total depth of boring: 40.5 feet
Fill to 2 feet.
No groundwater encountered.
Backfilled with soil cuttings and tamped.
AC cold patched.

*Penetration resistance for 140-pound hammer falling 30 inches by auto-hammer.

NOTE: The stratification lines presented herein represent the approximate boundary between earth types; the transitions may be gradual.

W1567-06-01 BORING LOGS.GPJ

Figure A1,
Log of Boring 1, Page 2 of 2

SAMPLE SYMBOLS

- ☐ ... SAMPLING UNSUCCESSFUL
- ◧ ... STANDARD PENETRATION TEST
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ⊠ ... DISTURBED OR BAG SAMPLE
- ◥ ... CHUNK SAMPLE
- ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

GEOCON

PROJECT NO. W1567-06-01

BORING 2

ELEV. (MSL.) -- DATE COMPLETED **05/20/2022**

EQUIPMENT **HOLLOW STEM AUGER** BY: **JJK**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT*)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0					**ASPHALT: 3" BASE: 4"**			
					ARTIFICIAL FILL			
2					Sand with Silt, poorly graded, medium dense, moist, light olive brown, fine-grained, some medium-grained, trace coarse-grained.			
				SW	**ALLUVIUM**			
4					Sand, well-graded, loose, moist, light olive brown, fine- to coarse-grained.			
	B2@5'			SM	Silty Sand, loose, moist, brown, fine-rained, trace coarse-grained.	12	114.7	1.7
6								
8					Sand, poorly graded, medium dense, moist, light brown, fine-grained, some medium-grained, trace coarse-grained and fine gravel.			
				SP				
10	B2@10'					29	103.5	6.2
12					Sand with Silt, poorly graded, medium dense, moist, light brown to brown, fine-grained, trace coarse-grained and fine to coarse gravel.			
	B2@13'					49	114.5	4.5
14				SP-SM				
16								
18	B2@18'				Silty Sand, medium dense, very moist, brown, fine-grained, trace coarse-grained. - trace cobbles (to 4")	32	111.7	5.7
20	B2@20'				- no coarse-grained	44	112.8	4.8
22								
24				SM				
	B2@25'				- trace coarse-grained and fine gravel	35	121.4	10.7
26								
28								

W1567-06-01 BORING LOGS.GPJ

Figure A2,
Log of Boring 2, Page 1 of 2

SAMPLE SYMBOLS

- ☐ ... SAMPLING UNSUCCESSFUL
- ◧ ... STANDARD PENETRATION TEST
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ⊠ ... DISTURBED OR BAG SAMPLE
- ◹ ... CHUNK SAMPLE
- ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

GEOCON

PROJECT NO. W1567-06-01

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	**BORING 2** ELEV. (MSL.) -- DATE COMPLETED **05/20/2022** EQUIPMENT **HOLLOW STEM AUGER** BY: **JJK**	PENETRATION RESISTANCE (BLOWS/FT*)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
					MATERIAL DESCRIPTION			
30	B2@30'			SM	- no fine gravel	46	118.2	5.5
32								
34								
36								
38								
40	B2@40'				- very moist	43	125.3	10.5

Total depth of boring: 40.5 feet
Fill to 2 feet.
No groundwater encountered.
Backfilled with soil cuttings and tamped.
AC cold patched.

*Penetration resistance for 140-pound hammer falling 30 inches by auto-hammer.

NOTE: The stratification lines presented herein represent the approximate boundary between earth types; the transitions may be gradual.

W1567-06-01 BORING LOGS.GPJ

Figure A2,
Log of Boring 2, Page 2 of 2

SAMPLE SYMBOLS

- ☐ ... SAMPLING UNSUCCESSFUL
- ◧ ... STANDARD PENETRATION TEST
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ⊠ ... DISTURBED OR BAG SAMPLE
- ◥ ... CHUNK SAMPLE
- ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

GEOCON

PROJECT NO. W1567-06-01

BORING 3

ELEV. (MSL.) -- DATE COMPLETED **05/20/2022**

EQUIPMENT **HOLLOW STEM AUGER** BY: **JJK**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT*)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0					**ASPHALT: 3" BASE: 4"**			
					ARTIFICIAL FILL			
2					Silty Sand, medium dense, moist, olive brown, fine-grained, some medium-grained.			
					ALLUVIUM			
4					Sand, poorly graded, medium dense, slightly moist, light brown, fine-grained, trace coarse-grained and fine gravel.			
				SP				
	B3@5'					22	102.6	9.2
6								
8					Sand with Silt, poorly graded, loose, moist, brown, fine-grained, trace fine gravel.			
				SP-SM				
10	B3@10'					18	108.0	2.4
	BULK 10-15'							
12					Sand, poorly graded, medium dense, moist, light brown, fine-grained, some medium-grained, trace coarse-grained and fine gravel.			
	B3@12.5'					35	114.2	3.2
14				SP				
	B3@15'				- no fine gravel	40	123.5	3.8
16								
18								
					Silty Sand, medium dense, moist to very moist, brown, fine-grained, trace coarse-grained and fine gravel.			
20	B3@20'					25	115.3	11.9
22								
24				SM				
	B3@25'				- moist, some medium-grained, no coarse-grained or fine gravel	31	121.2	11.0
26								
28								

W1567-06-01 BORING LOGS.GPJ

Figure A3,
Log of Boring 3, Page 1 of 2

SAMPLE SYMBOLS

- ... SAMPLING UNSUCCESSFUL
- ... STANDARD PENETRATION TEST
- ... DRIVE SAMPLE (UNDISTURBED)
- ... DISTURBED OR BAG SAMPLE
- ... CHUNK SAMPLE
- ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

GEOCON

PROJECT NO. W1567-06-01

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	**BORING 3** ELEV. (MSL.) -- DATE COMPLETED **05/20/2022** EQUIPMENT **HOLLOW STEM AUGER** BY: **JJK**	PENETRATION RESISTANCE (BLOWS/FT*)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
					MATERIAL DESCRIPTION			
30	B3@30'			SP-SM	Sand with Silt, poorly graded, dense, moist, light brown, fine-grained, some coarse-grained, trace fine gravel.	61		

Total depth of boring: 30.5 feet
Fill to 3 feet.
No groundwater encountered.
Backfilled with soil cuttings and tamped.
AC cold patched.

*Penetration resistance for 140-pound hammer falling 30 inches by auto-hammer.

NOTE: The stratification lines presented herein represent the approximate boundary between earth types; the transitions may be gradual.

W1567-06-01 BORING LOGS.GPJ

Figure A3,
Log of Boring 3, Page 2 of 2

SAMPLE SYMBOLS

- ☐ ... SAMPLING UNSUCCESSFUL
- ◧ ... STANDARD PENETRATION TEST
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ⊠ ... DISTURBED OR BAG SAMPLE
- ◥ ... CHUNK SAMPLE
- ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

GEOCON

PROJECT NO. W1567-06-01

BORING 4

ELEV. (MSL.) -- DATE COMPLETED **05/20/2022**

EQUIPMENT **HOLLOW STEM AUGER** BY: **JJK**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT*)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0					**ASPHALT: 3" BASE: 3"**			
2					**ARTIFICIAL FILL** Silty Sand, loose, moist, olive brown, fine-grained, coarse gravel.			
4					**ALLUVIUM** Sand, poorly graded, loose, moist, light olive brown, fine-grained, trace coarse-grained.			
6	B4@5'					16	110.4	3.9
8				SP				
10	B4@10'				- medium dense, light brown to olive gray, some coarse-grained	27	101.0	7.4
12								
14								
16	B4@15'				- light brown, fine- to medium-grained, no coarse-grained	46	117.1	2.8
					Silty Sand, medium dense, moist, brown, fine-grained, some coarse-grained.			
18	B4@17.5'			SM		33	116.4	8.6
					Sand, poorly graded, medium dense, moist, light brown to light olive brown, fine-grained, some medium-grained.			
20	B4@20'					38	113.1	3.8
22								
24				SP				
26	B4@25'				- light brown, trace medium- to coarse-grained	52	105.5	7.2
28								

W1567-06-01 BORING LOGS.GPJ

Figure A4,
Log of Boring 4, Page 1 of 2

SAMPLE SYMBOLS

- ☐ ... SAMPLING UNSUCCESSFUL
- ◧ ... STANDARD PENETRATION TEST
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ⊠ ... DISTURBED OR BAG SAMPLE
- ◥ ... CHUNK SAMPLE
- ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

GEOCON

PROJECT NO. W1567-06-01

BORING 4

ELEV. (MSL.) -- DATE COMPLETED **05/20/2022**

EQUIPMENT **HOLLOW STEM AUGER** BY: **JJK**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT*)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
30	B4@30'			SM	- trace fine to coarse gravel Silty Sand, medium dense, moist, brown, fine-grained, trace medium- to coarse-grained.	38	116.1	3.0
32					Sand, poorly graded, medium dense, slightly moist, light brown, fine-grained, trace coarse-grained, fine gravel, and small cobbles (to 5").			
34								
36	B4@35'			SP		51	111.1	4.9
38								
40								
42				SP-SM	Sand with Silt, poorly graded, dense, moist to very moist, olive brown, fine-grained, some medium-grained, trace coarse-grained and small cobbles (to 5").			
44								
	B4@45'					70	119.9	3.3

Total depth of boring: 45.5 feet
Fill to 3 feet.
No groundwater encountered.
Backfilled to 35 feet.
Percolation testing performed.
Backfilled with soil cuttings and tamped.
AC cold patched.

*Penetration resistance for 140-pound hammer falling 30 inches by auto-hammer.

NOTE: The stratification lines presented herein represent the approximate boundary between earth types; the transitions may be gradual.

W1567-06-01 BORING LOGS.GPJ

Figure A4,
Log of Boring 4, Page 2 of 2

SAMPLE SYMBOLS

- ... SAMPLING UNSUCCESSFUL
- ... STANDARD PENETRATION TEST
- ... DRIVE SAMPLE (UNDISTURBED)
- ... DISTURBED OR BAG SAMPLE
- ... CHUNK SAMPLE
- ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

GEOCON

PROJECT NO. W1567-06-01

BORING 5

ELEV. (MSL.) -- DATE COMPLETED **05/20/2022**

EQUIPMENT **HOLLOW STEM AUGER** BY: **JJK**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT*)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0					**ASPHALT: 3" BASE: 8"**			
					ARTIFICIAL FILL			
2					Silty Sand, loose, moist, dark brown, fine-grained, some fine gravel.			
					- dark reddish brown			
4					**ALLUVIUM**			
					Sand, poorly graded, medium dense, moist, light brown, fine-grained, some medium-grained, trace coarse-grained and fine gravel.			
6	B5@5'			SP		31	105.5	5.1
8								
10	BULK 10-15'				- slightly moist, fine- to coarse-grained			
12					Sand with Silt, poorly graded, medium dense, moist, brown, fine-grained, some medium-grained.			
	B5@12.5'					21	112.2	1.7
14	B5@13'			SP-SM		31	120.6	2.8
16								
					Sand, poorly graded, dense, slightly moist, light brown, fine-grained, some medium-grained, trace fine gravel.			
18								
20	B5@20'			SP		60	109.9	1.7
22								
					Sand with Silt, poorly graded, medium dense, moist, brown, fine-grained, some medium-grained.			
24								
26	B5@25'			SP-SM		45	96.9	3.9
28					Sand, poorly graded, dense, moist, light brown, fine-grained, some coarse-grained and fine gravel, trace coarse gravel.			
				SP				

W1567-06-01 BORING LOGS.GPJ

Figure A5,
Log of Boring 5, Page 1 of 2

SAMPLE SYMBOLS

- ☐ ... SAMPLING UNSUCCESSFUL
- ◧ ... STANDARD PENETRATION TEST
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ⊠ ... DISTURBED OR BAG SAMPLE
- ◪ ... CHUNK SAMPLE
- ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

GEOCON

PROJECT NO. W1567-06-01

BORING 5

ELEV. (MSL.) -- DATE COMPLETED **05/20/2022**

EQUIPMENT **HOLLOW STEM AUGER** BY: **JJK**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT*)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
30	B5@30'			SP	- slightly moist, no fine to coarse gravel	66	114.4	1.5
32								
34								
36	B5@35'					55	112.0	2.8
38				SM	Silty Sand, medium dense, moist, olive brown, fine-grained, trace fine gravel.			
40	B5@40'					40	116.6	3.5
42				SP	Sand, poorly graded, very dense, moist, light brown, fine-grained, some coarse-grained and fine gravel.			
44								
	B5@45'					50 (6")	110.1	2.3

Total depth of boring: 45.5 feet
Fill to 3 feet.
No groundwater encountered.
Backfilled with soil cuttings and tamped.
AC cold patched.

*Penetration resistance for 140-pound hammer falling 30 inches by auto-hammer.

NOTE: The stratification lines presented herein represent the approximate boundary between earth types; the transitions may be gradual.

W1567-06-01 BORING LOGS.GPJ

Figure A5,
Log of Boring 5, Page 2 of 2

SAMPLE SYMBOLS

- ... SAMPLING UNSUCCESSFUL
- ... STANDARD PENETRATION TEST
- ... DRIVE SAMPLE (UNDISTURBED)
- ... DISTURBED OR BAG SAMPLE
- ... CHUNK SAMPLE
- ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

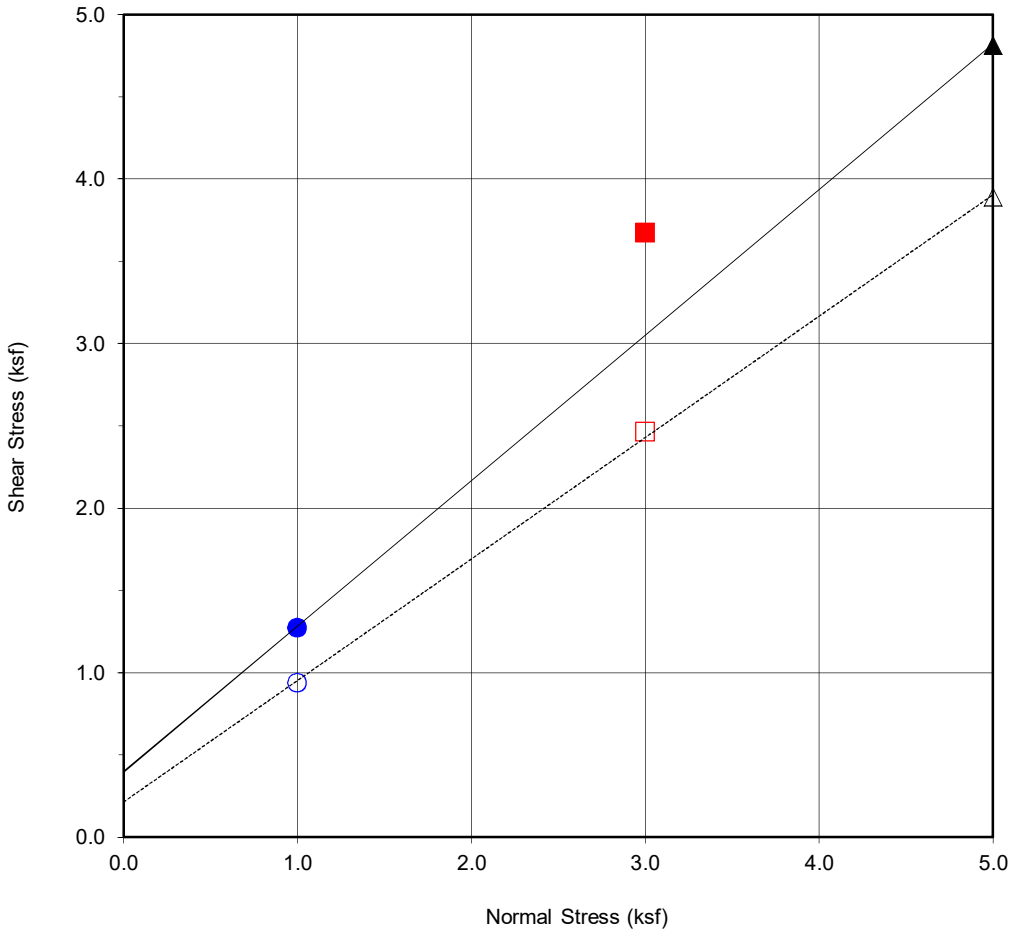
GEOCON

APPENDIX B

APPENDIX B

LABORATORY TESTING

Laboratory tests were performed in accordance with generally accepted test methods of the "American Society for Testing and Materials (ASTM)", or other suggested procedures. Selected samples were tested for direct shear strength, consolidation, corrosivity, and in-place dry density and moisture content. The results of the laboratory tests are summarized in Figures B1 through B29. The in-place dry density and moisture content of the samples tested are presented on the boring logs, Appendix A.



Boring No.	**B1**
Sample No.	**B1@5**
Depth (ft)	**5**
Sample Type:	Ring

Soil Identification:		
Sand with Silt (SP-SM)		
Strength Parameters		
	C (psf)	ϕ (^{o})
Peak	397	41.5
Ultimate	214	36.4

Normal Strest (kip/ft2)	1	3	5
Peak Shear Stress (kip/ft²)	● 1.27	■ 3.67	▲ 4.81
Shear Stress @ End of Test (ksf)	○ 0.94	□ 2.46	△ 3.89
Deformation Rate (in./min.)	0.05	0.05	0.05
Initial Sample Height (in.)	1.0	1.0	1.0
Ring Inside Diameter (in.)	2.375	2.375	2.375
Initial Moisture Content (%)	8.2	6.8	6.2
Initial Dry Density (pcf)	101.8	104.1	103.2
Initial Degree of Saturation (%)	33.8	29.8	26.3
Soil Height Before Shearing (in.)	1.2	1.2	1.2
Final Moisture Content (%)	17.2	14.0	14.9

GEOCON

DIRECT SHEAR TEST RESULTS

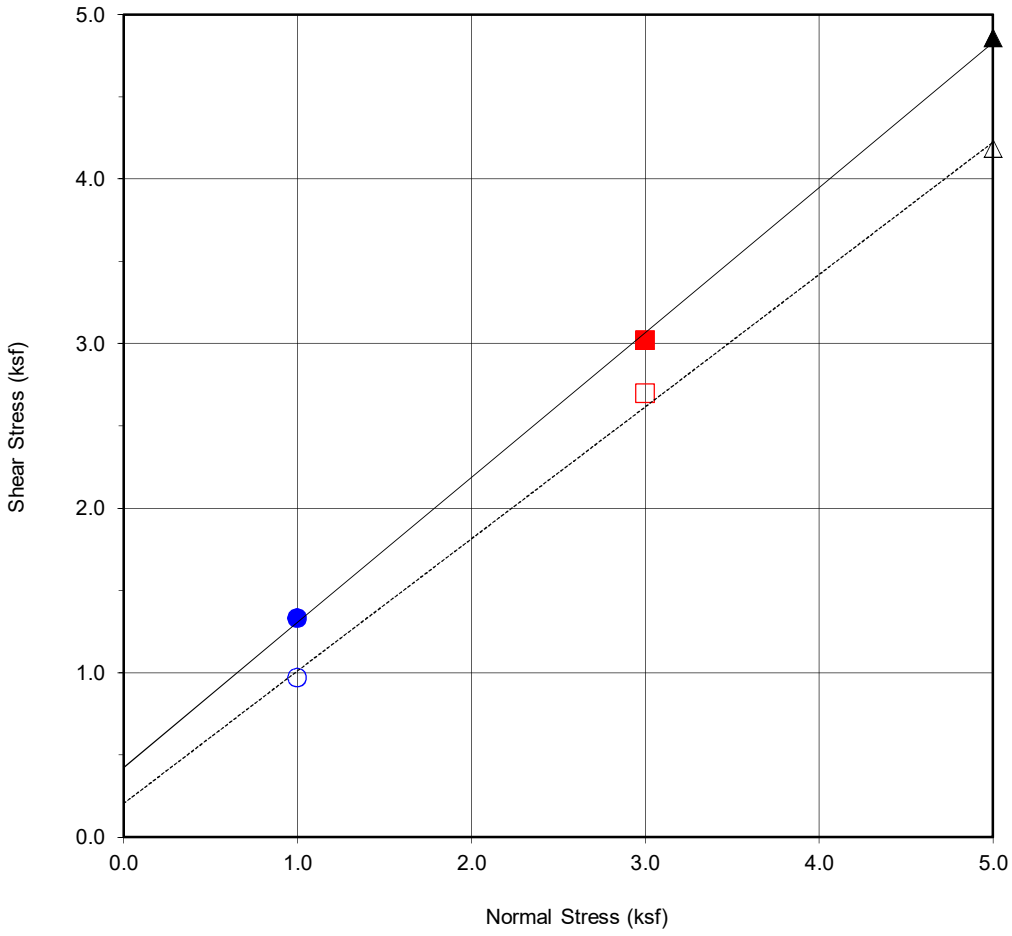
Consolidated Drained ASTM D-3080

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June 2022 Figure B1



Boring No.	**B3**
Sample No.	**B3@5'**
Depth (ft)	**5**
Sample Type:	Ring

Soil Identification:		
Poorly Graded Sand (SP)		
Strength Parameters		
	C (psf)	ϕ (^{o})
Peak	422	41.4
Ultimate	204	38.8

Normal Strest (kip/ft2)	1	3	5
Peak Shear Stress (kip/ft²)	● 1.33	■ 3.02	▲ 4.86
Shear Stress @ End of Test (ksf)	○ 0.97	□ 2.70	△ 4.19
Deformation Rate (in./min.)	0.05	0.05	0.05
Initial Sample Height (in.)	1.0	1.0	1.0
Ring Inside Diameter (in.)	2.375	2.375	2.375
Initial Moisture Content (%)	9.2	5.9	5.5
Initial Dry Density (pcf)	105.3	103.8	105.0
Initial Degree of Saturation (%)	41.2	25.7	24.6
Soil Height Before Shearing (in.)	1.2	1.2	1.2
Final Moisture Content (%)	17.5	16.6	17.4

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DIRECT SHEAR TEST RESULTS

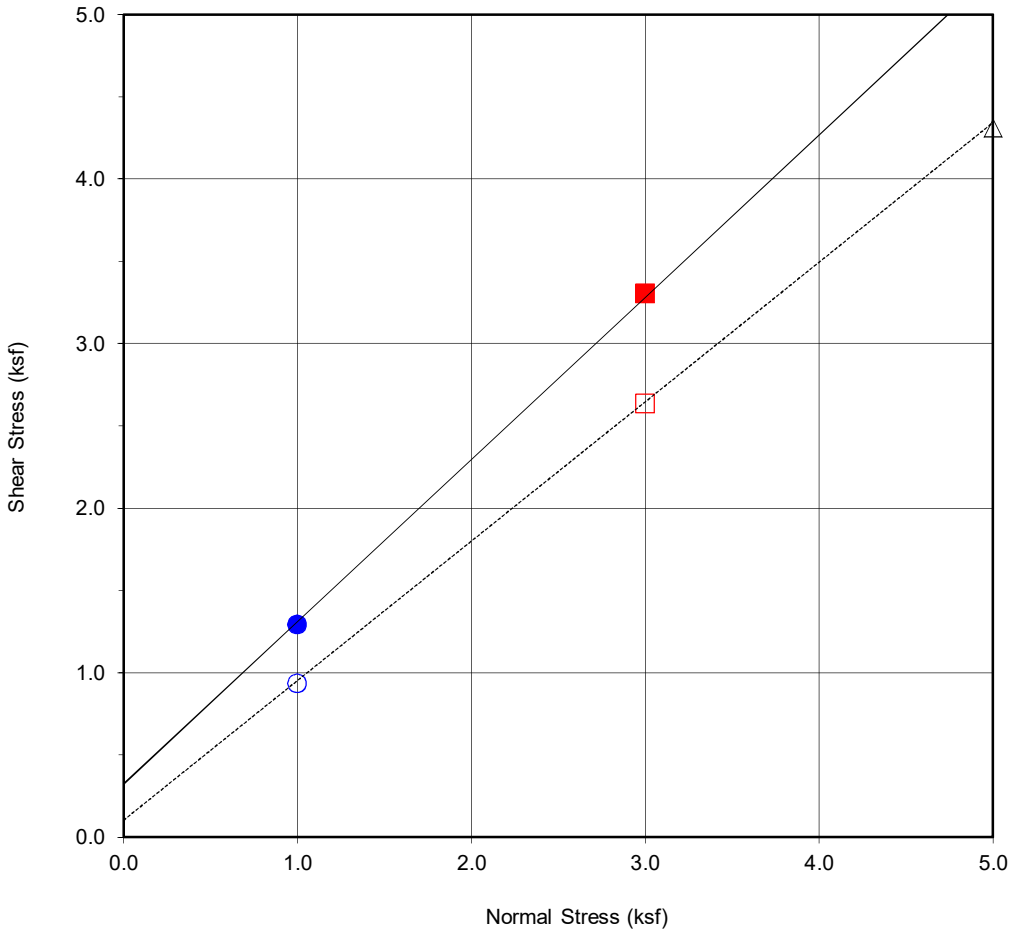
Consolidated Drained ASTM D-3080

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June 2022 Figure B2



Boring No.	**B5**
Sample No.	**B5@5'**
Depth (ft)	**5**
Sample Type:	Ring

Soil Identification:		
Poorly Graded Sand (SP)		
Strength Parameters		
	C (psf)	ϕ (^{o})
Peak	324	44.6
Ultimate	103	40.3

Normal Strest (kip/ft2)	1	3	5
Peak Shear Stress (kip/ft²)	● 1.29	■ 3.30	▲ 5.27
Shear Stress @ End of Test (ksf)	○ 0.93	□ 2.63	△ 4.31
Deformation Rate (in./min.)	0.05	0.05	0.05
Initial Sample Height (in.)	1.0	1.0	1.0
Ring Inside Diameter (in.)	2.375	2.375	2.375
Initial Moisture Content (%)	10.0	4.1	5.1
Initial Dry Density (pcf)	96.1	107.1	107.0
Initial Degree of Saturation (%)	36.0	19.4	24.1
Soil Height Before Shearing (in.)	1.2	1.2	1.2
Final Moisture Content (%)	19.5	17.0	15.1

GEOCON

DIRECT SHEAR TEST RESULTS

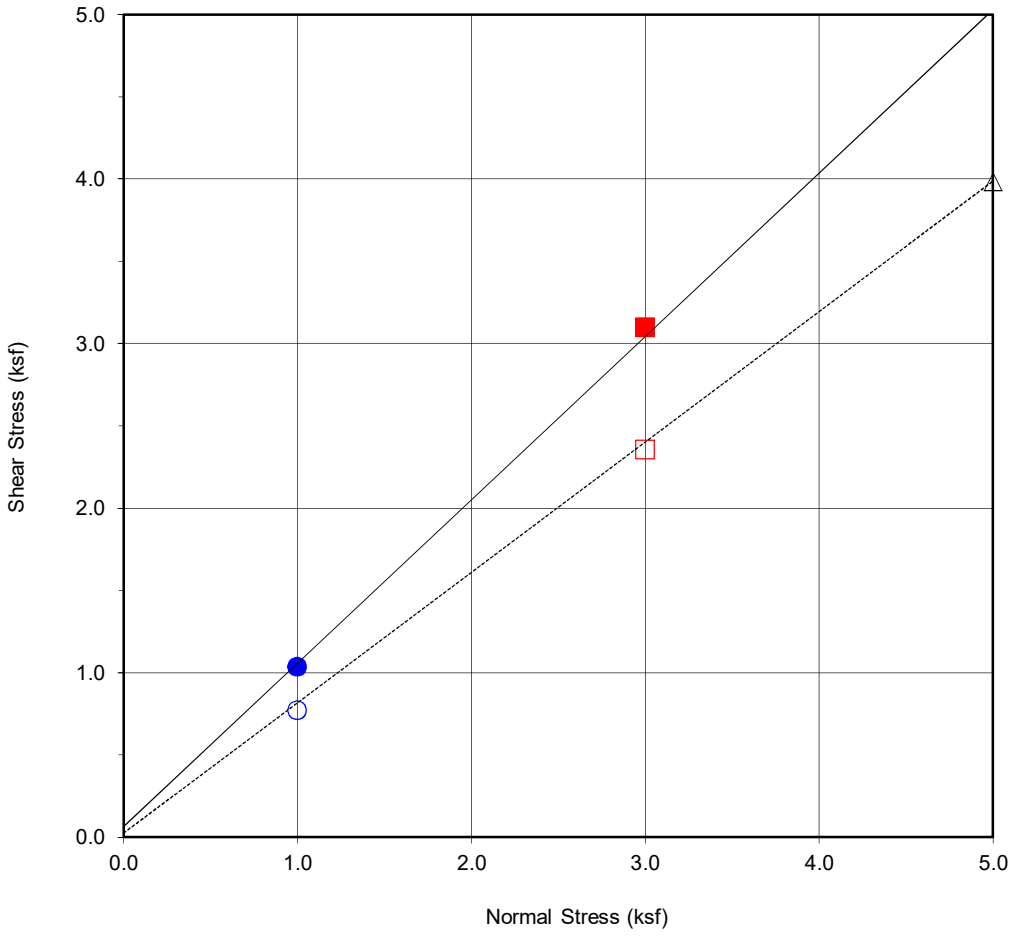
Consolidated Drained ASTM D-3080

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June 2022 Figure B3



Boring No.	**B2**
Sample No.	**B2@10**
Depth (ft)	**10**
Sample Type:	Ring

Soil Identification:		
Poorly Graded Sand (SP)		
Strength Parameters		
	C (psf)	ϕ (^{o})
Peak	65	44.8
Ultimate	25	38.4

Normal Strest (kip/ft2)	1	3	5
Peak Shear Stress (kip/ft²)	● 1.03	■ 3.10	▲ 5.00
Shear Stress @ End of Test (ksf)	○ 0.77	□ 2.35	△ 3.98
Deformation Rate (in./min.)	0.05	0.05	0.05
Initial Sample Height (in.)	1.0	1.0	1.0
Ring Inside Diameter (in.)	2.375	2.375	2.375
Initial Moisture Content (%)	6.2	5.4	12.6
Initial Dry Density (pcf)	102.6	102.3	97.4
Initial Degree of Saturation (%)	26.1	22.7	46.4
Soil Height Before Shearing (in.)	1.2	1.2	1.2
Final Moisture Content (%)	19.0	17.8	16.4

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DIRECT SHEAR TEST RESULTS

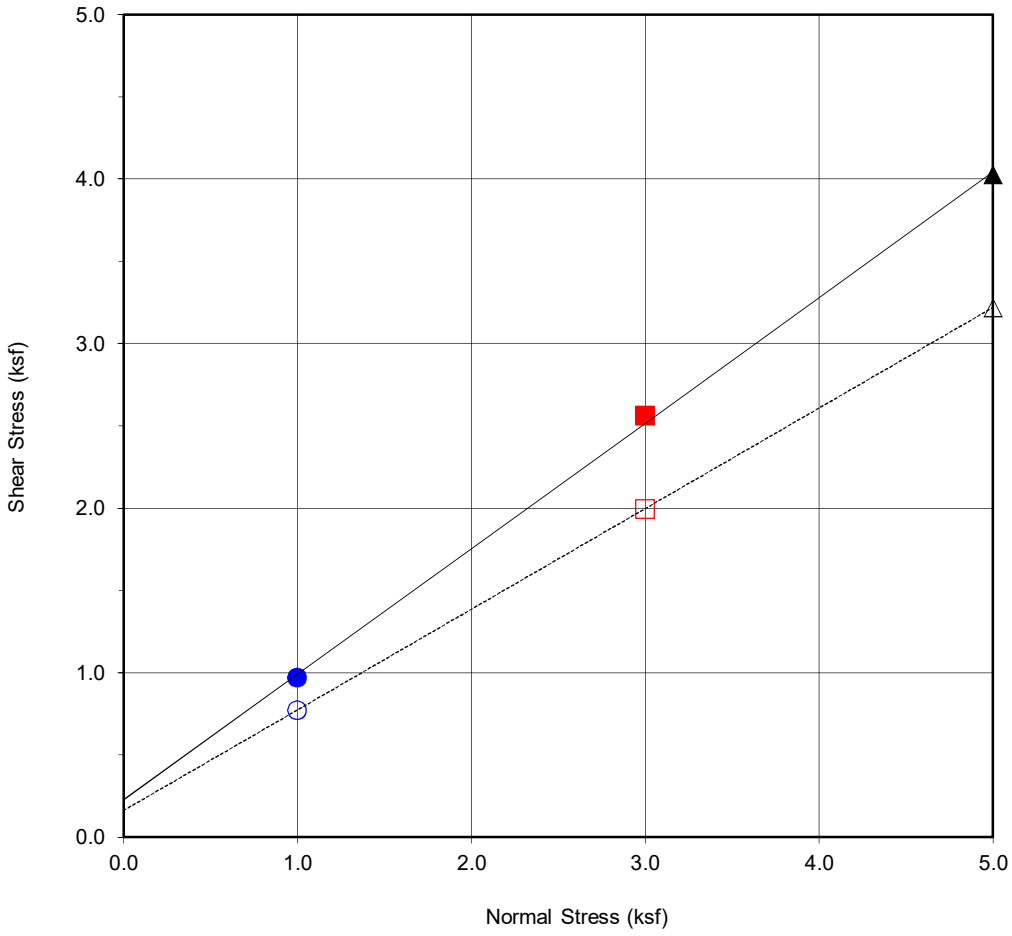
Consolidated Drained ASTM D-3080

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June 2022 Figure B4



Boring No.	**B1**
Sample No.	**B1@12.5'**
Depth (ft)	**12.5**
Sample Type:	Ring

Soil Identification:		
Sand with Silt (SP-SM)		
Strength Parameters		
	C (psf)	ϕ (^{o})
Peak	226	37.4
Ultimate	162	31.4

Normal Strest (kip/ft2)	1	3	5
Peak Shear Stress (kip/ft²)	● 0.97	■ 2.56	▲ 4.02
Shear Stress @ End of Test (ksf)	○ 0.77	□ 1.99	△ 3.22
Deformation Rate (in./min.)	0.05	0.05	0.05
Initial Sample Height (in.)	1.0	1.0	1.0
Ring Inside Diameter (in.)	2.375	2.375	2.375
Initial Moisture Content (%)	8.0	8.1	7.6
Initial Dry Density (pcf)	102.8	101.4	99.1
Initial Degree of Saturation (%)	33.6	33.2	29.3
Soil Height Before Shearing (in.)	1.2	1.2	1.2
Final Moisture Content (%)	19.3	20.8	20.7

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DIRECT SHEAR TEST RESULTS

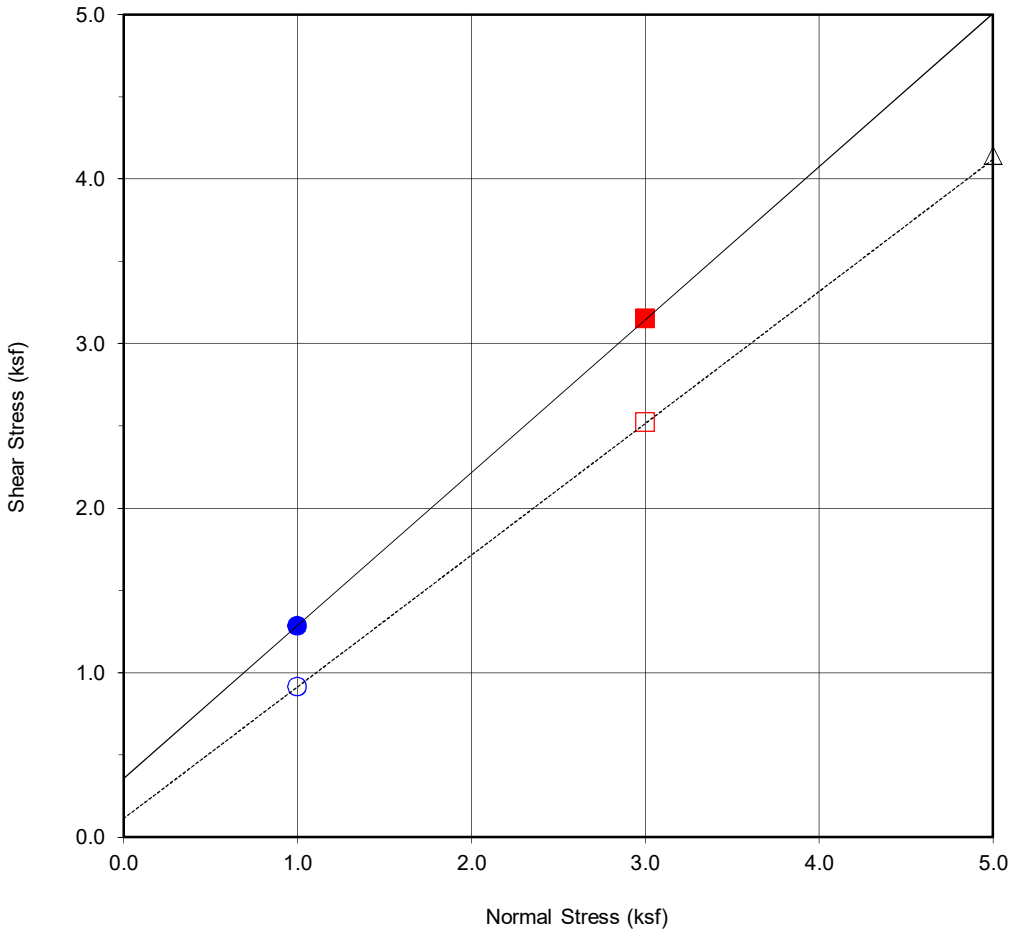
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June 2022 Figure B5



Boring No.	**B5**
Sample No.	**B5@13**
Depth (ft)	**13**
Sample Type:	Ring

Soil Identification:		
Sand with Silt (SP-SM)		
Strength Parameters		
	C (psf)	ϕ (^{o})
Peak	356	42.9
Ultimate	113	38.7

Normal Strest (kip/ft2)	1	3	5
Peak Shear Stress (kip/ft²)	● 1.28	■ 3.15	▲ 5.00
Shear Stress @ End of Test (ksf)	○ 0.91	□ 2.52	△ 4.14
Deformation Rate (in./min.)	0.05	0.05	0.05
Initial Sample Height (in.)	1.0	1.0	1.0
Ring Inside Diameter (in.)	2.375	2.375	2.375
Initial Moisture Content (%)	16.3	9.8	4.5
Initial Dry Density (pcf)	99.9	100.6	107.6
Initial Degree of Saturation (%)	64.3	39.0	21.4
Soil Height Before Shearing (in.)	1.2	1.2	1.2
Final Moisture Content (%)	27.3	20.1	15.5

GEOCON

DIRECT SHEAR TEST RESULTS

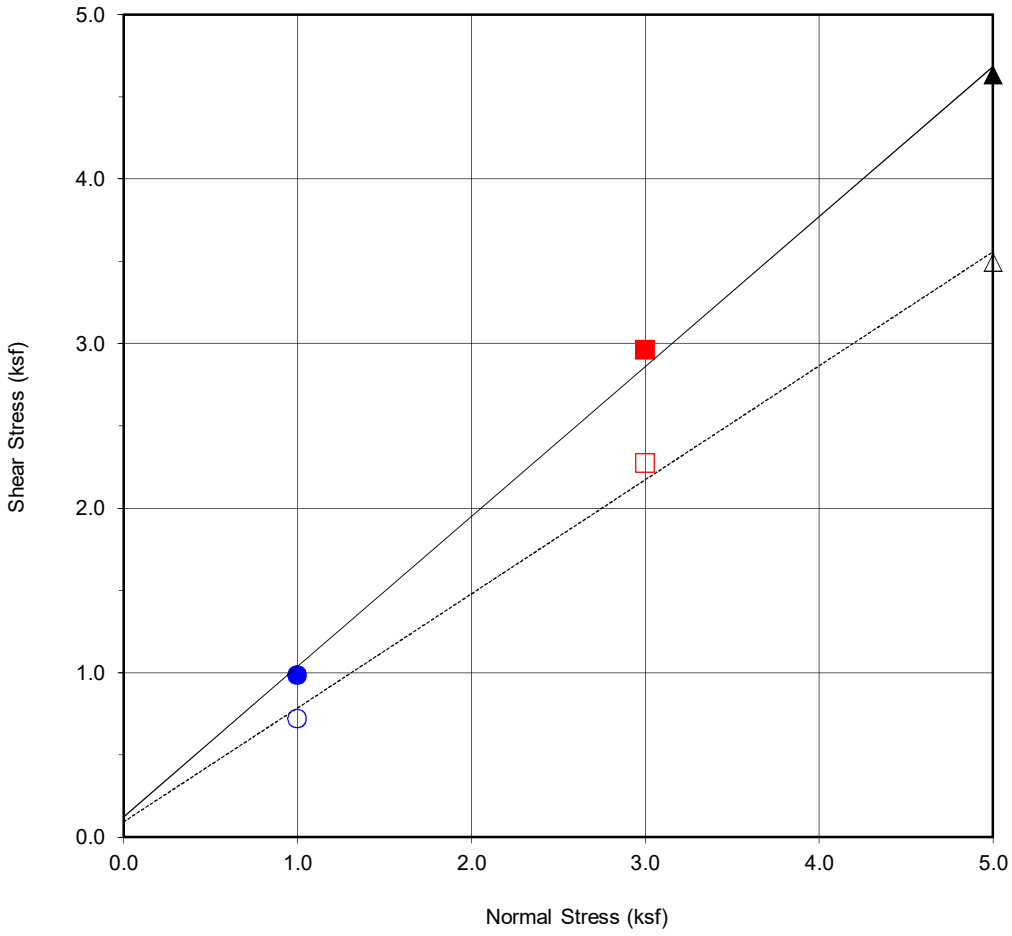
Consolidated Drained ASTM D-3080

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June 2022 Figure B6



Boring No.	**B4**
Sample No.	**B4@25'**
Depth (ft)	**25**
Sample Type:	Ring

Soil Identification:		
Poorly Graded Sand (SP)		
Strength Parameters		
	C (psf)	ϕ (^{o})
Peak	124	42.4
Ultimate	93	34.7

Normal Strest (kip/ft2)	1	3	5
Peak Shear Stress (kip/ft²)	● 0.98	■ 2.96	▲ 4.63
Shear Stress @ End of Test (ksf)	○ 0.72	□ 2.27	△ 3.49
Deformation Rate (in./min.)	0.05	0.05	0.05
Initial Sample Height (in.)	1.0	1.0	1.0
Ring Inside Diameter (in.)	2.375	2.375	2.375
Initial Moisture Content (%)	6.3	7.2	5.2
Initial Dry Density (pcf)	104.2	107.0	106.1
Initial Degree of Saturation (%)	27.6	33.7	24.0
Soil Height Before Shearing (in.)	1.2	1.2	1.2
Final Moisture Content (%)	16.7	16.9	15.4

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DIRECT SHEAR TEST RESULTS

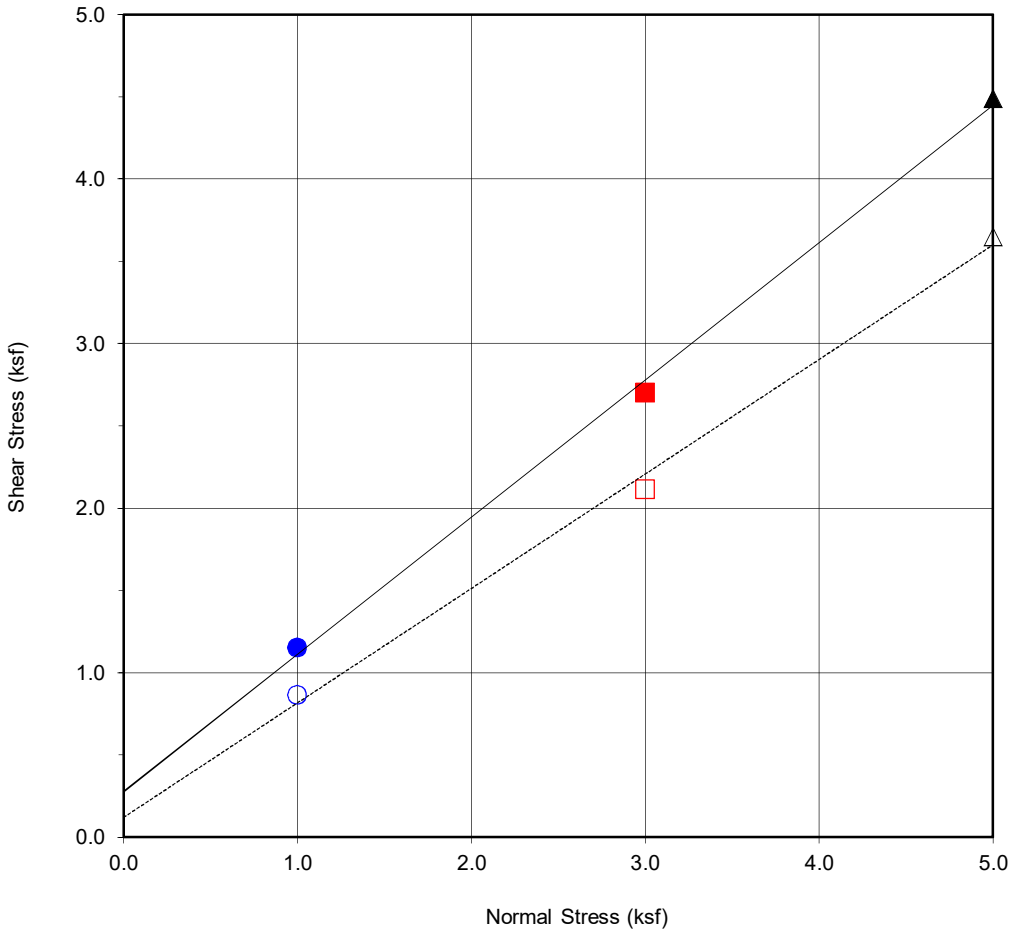
Consolidated Drained ASTM D-3080

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June 2022 Figure B7



Boring No.	**B2**
Sample No.	**B2@30'**
Depth (ft)	**30**
Sample Type:	Ring

Soil Identification:		
Silty Sand (SM)		
Strength Parameters		
	C (psf)	ϕ (^{o})
Peak	278	39.8
Ultimate	120	34.8

Normal Strest (kip/ft2)	1	3	5
Peak Shear Stress (kip/ft²)	● 1.15	■ 2.70	▲ 4.49
Shear Stress @ End of Test (ksf)	○ 0.86	□ 2.11	△ 3.65
Deformation Rate (in./min.)	0.05	0.05	0.05
Initial Sample Height (in.)	1.0	1.0	1.0
Ring Inside Diameter (in.)	2.375	2.375	2.375
Initial Moisture Content (%)	9.0	7.6	6.7
Initial Dry Density (pcf)	105.5	109.9	107.5
Initial Degree of Saturation (%)	40.7	38.5	31.9
Soil Height Before Shearing (in.)	1.2	1.2	1.2
Final Moisture Content (%)	16.3	16.5	15.9

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DIRECT SHEAR TEST RESULTS

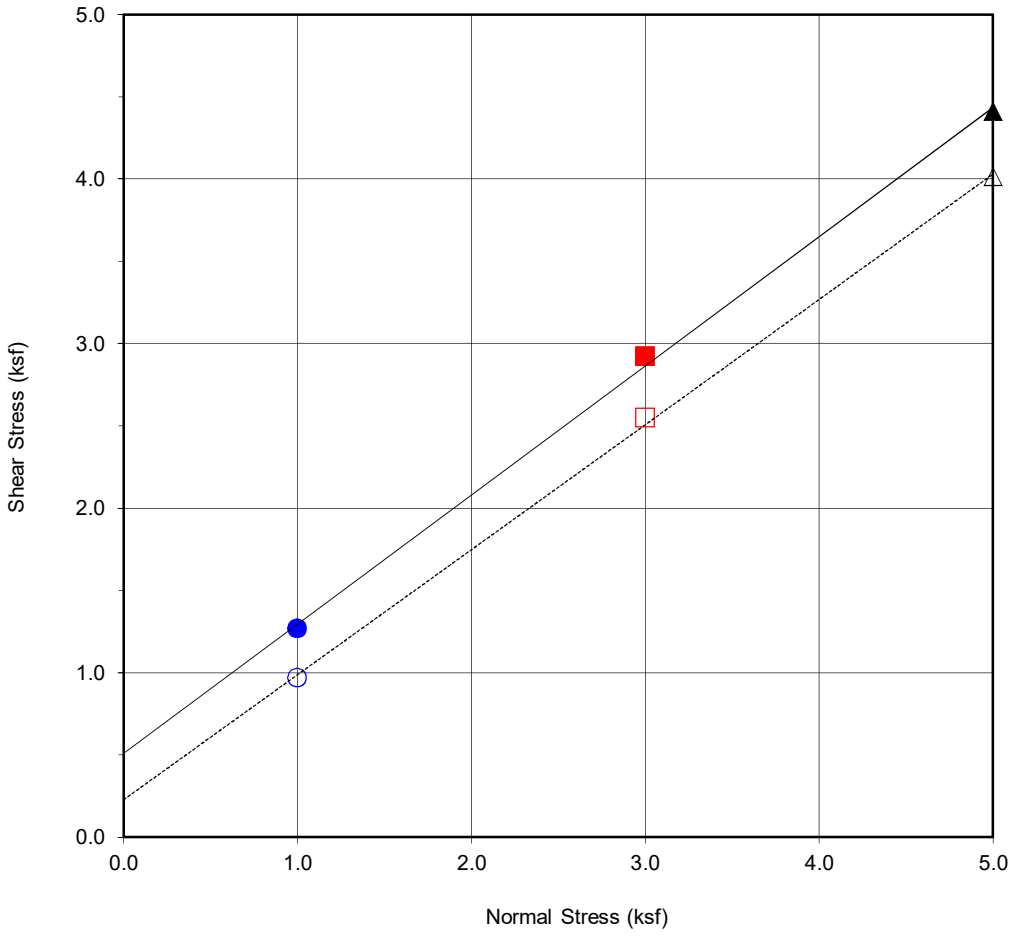
Consolidated Drained ASTM D-3080

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June 2022 Figure B8



Boring No.	**B5**
Sample No.	**B5@30'**
Depth (ft)	**30**
Sample Type:	Ring

Soil Identification:		
Poorly Graded Sand (SP)		
Strength Parameters		
	C (psf)	ϕ (^{o})
Peak	509	38.1
Ultimate	227	37.3

Normal Strest (kip/ft2)	1	3	5
Peak Shear Stress (kip/ft²)	● 1.27	■ 2.92	▲ 4.41
Shear Stress @ End of Test (ksf)	○ 0.97	□ 2.55	△ 4.01
Deformation Rate (in./min.)	0.05	0.05	0.05
Initial Sample Height (in.)	1.0	1.0	1.0
Ring Inside Diameter (in.)	2.375	2.375	2.375
Initial Moisture Content (%)	5.4	4.1	5.2
Initial Dry Density (pcf)	112.1	109.9	109.9
Initial Degree of Saturation (%)	28.8	20.8	26.5
Soil Height Before Shearing (in.)	1.2	1.2	1.2
Final Moisture Content (%)	16.2	15.8	16.4

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DIRECT SHEAR TEST RESULTS

Consolidated Drained ASTM D-3080

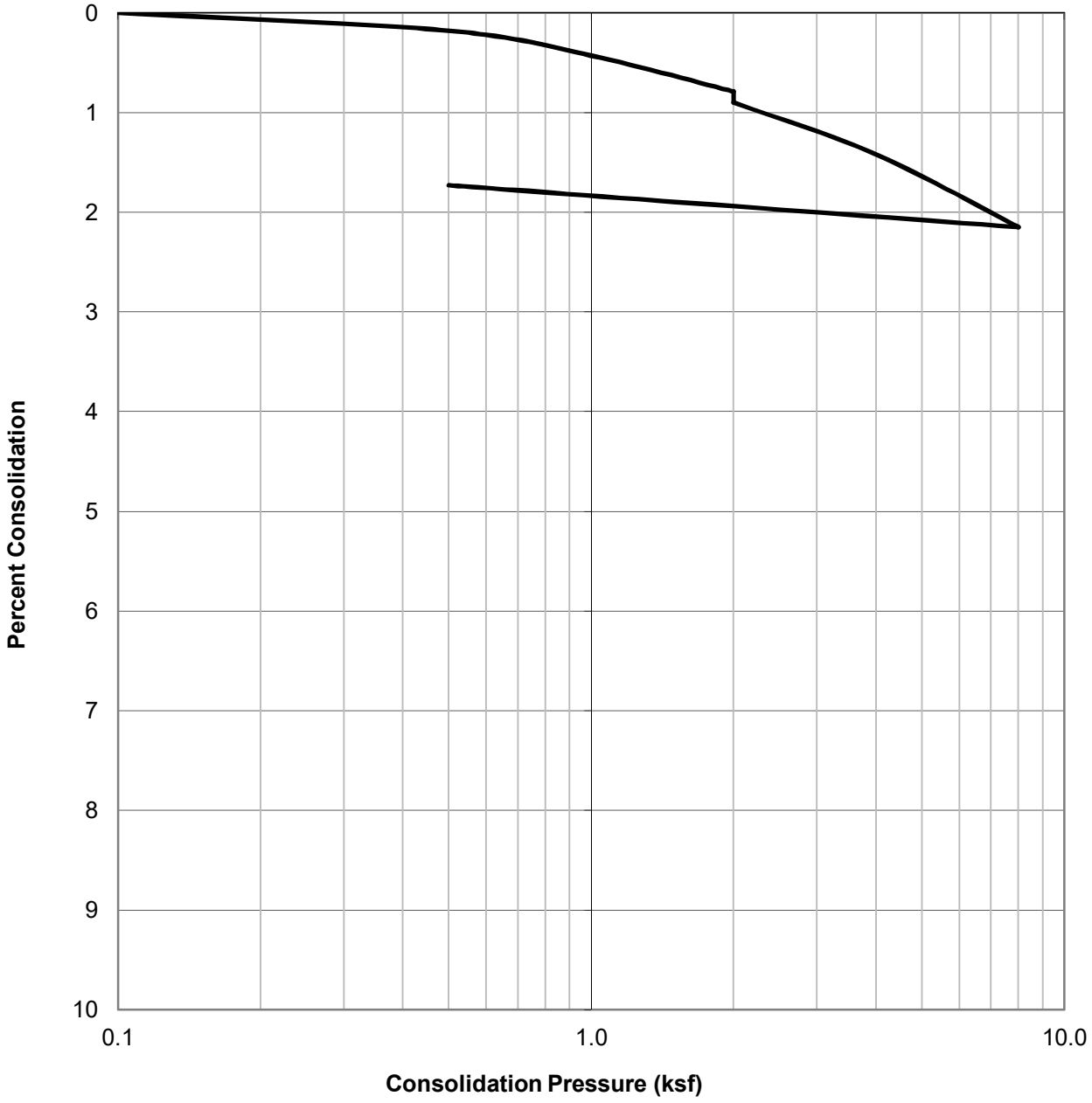
Checked by: PZ

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June 2022 Figure B9

WATER ADDED AT 2.0 KSF



SAMPLE ID.	SOIL TYPE	DRY DENSITY (PCF)	INITIAL MOISTURE (%)	FINAL MOISTURE (%)
B1@15	Poorly Graded Sand (SP)	110.6	5.0	17.7

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CONSOLIDATION TEST RESULTS

ASTM D-2435

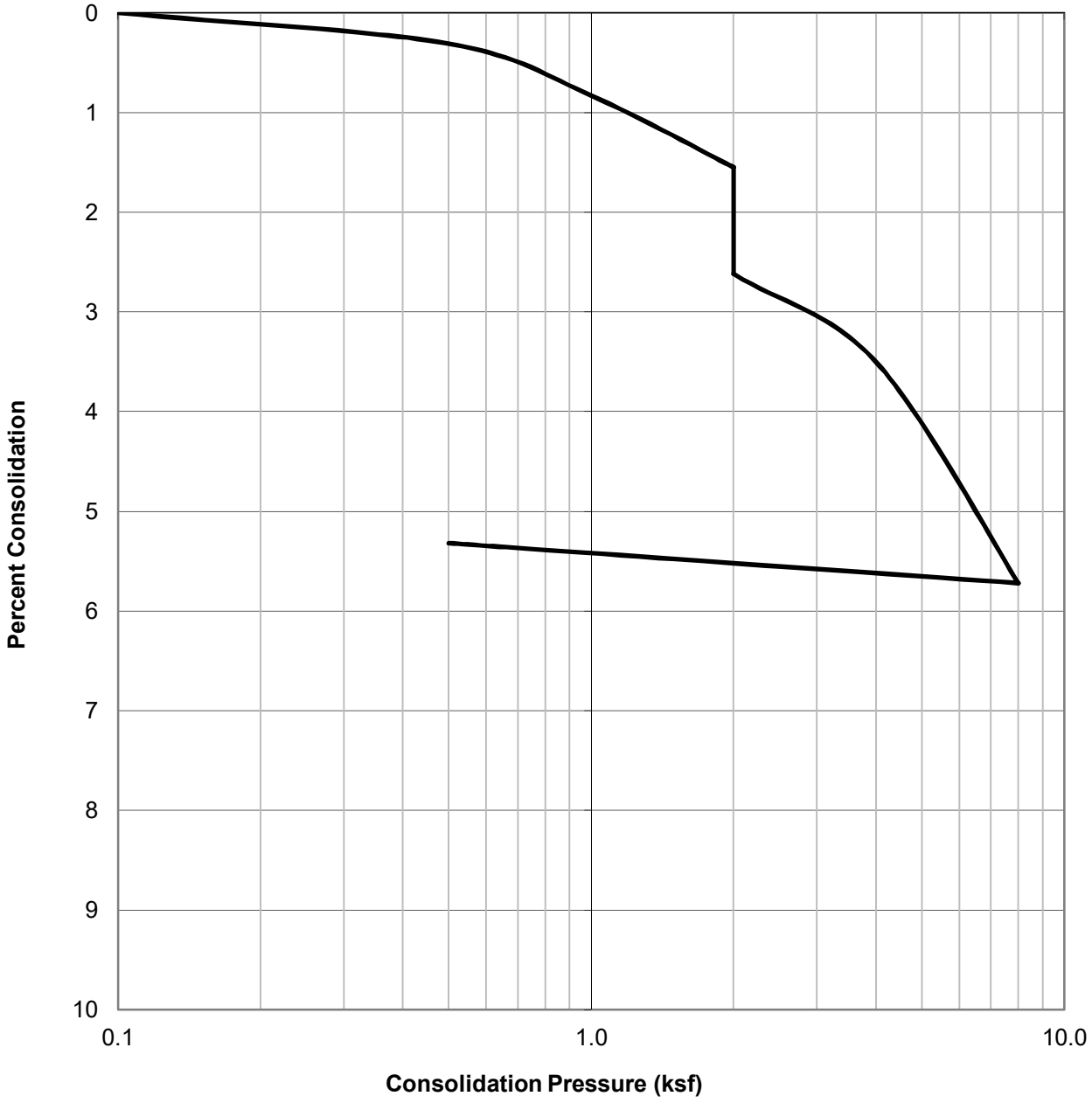
Checked by: PZ

Project No.: W1567-06-01

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June 2022 Figure B10

WATER ADDED AT 2.0 KSF



SAMPLE ID.	SOIL TYPE	DRY DENSITY (PCF)	INITIAL MOISTURE (%)	FINAL MOISTURE (%)
B1@30	Poorly Graded Sand (SP)	108.2	3.6	16.0

GEOCON

CONSOLIDATION TEST RESULTS

ASTM D-2435

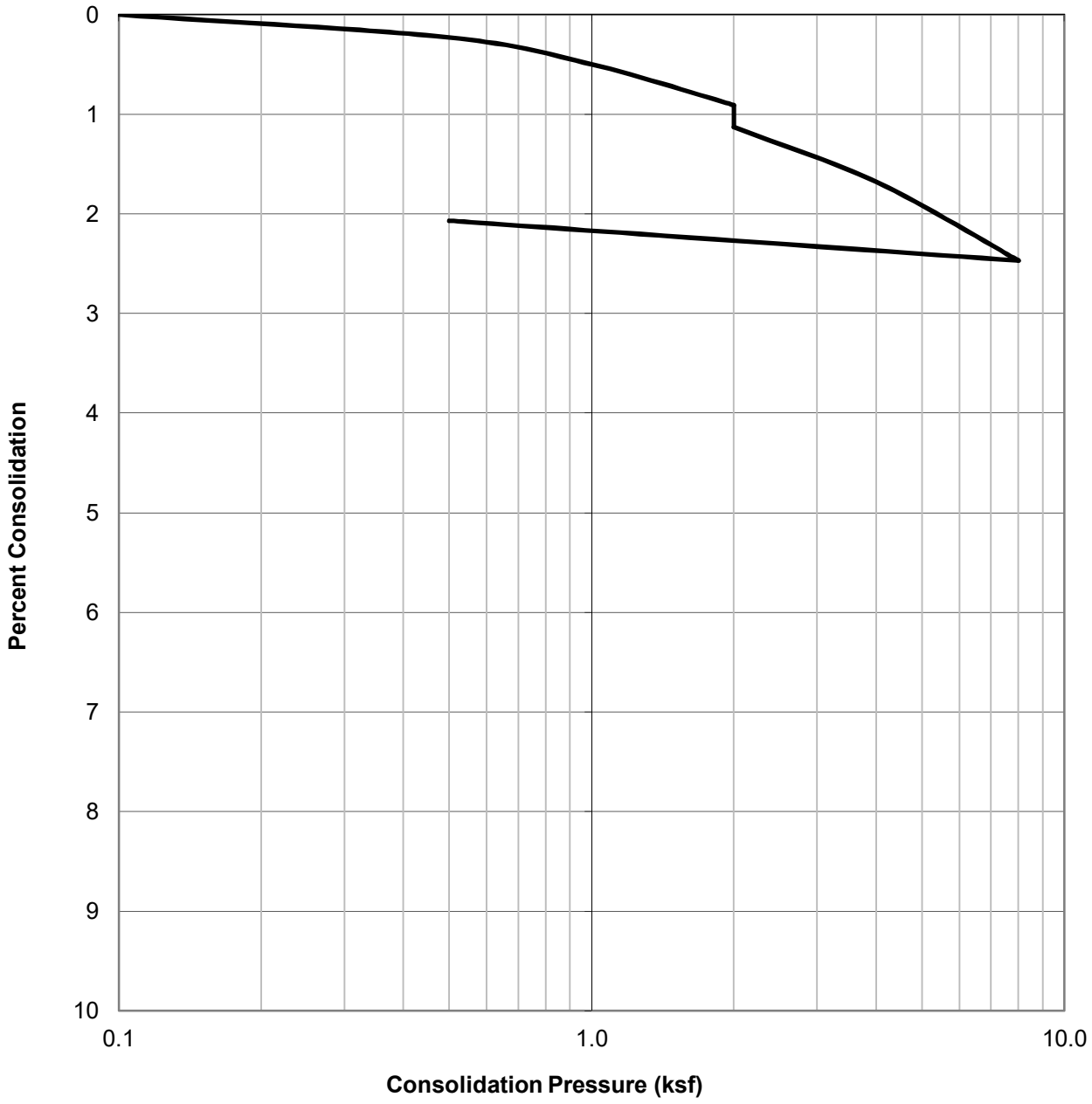
Checked by: PZ

Project No.: W1567-06-01

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June 2022 Figure B11

WATER ADDED AT 2.0 KSF



SAMPLE ID.	SOIL TYPE	DRY DENSITY (PCF)	INITIAL MOISTURE (%)	FINAL MOISTURE (%)
B2@13	Sand with Silt (SP-SM)	104.0	4.5	19.6

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CONSOLIDATION TEST RESULTS

ASTM D-2435

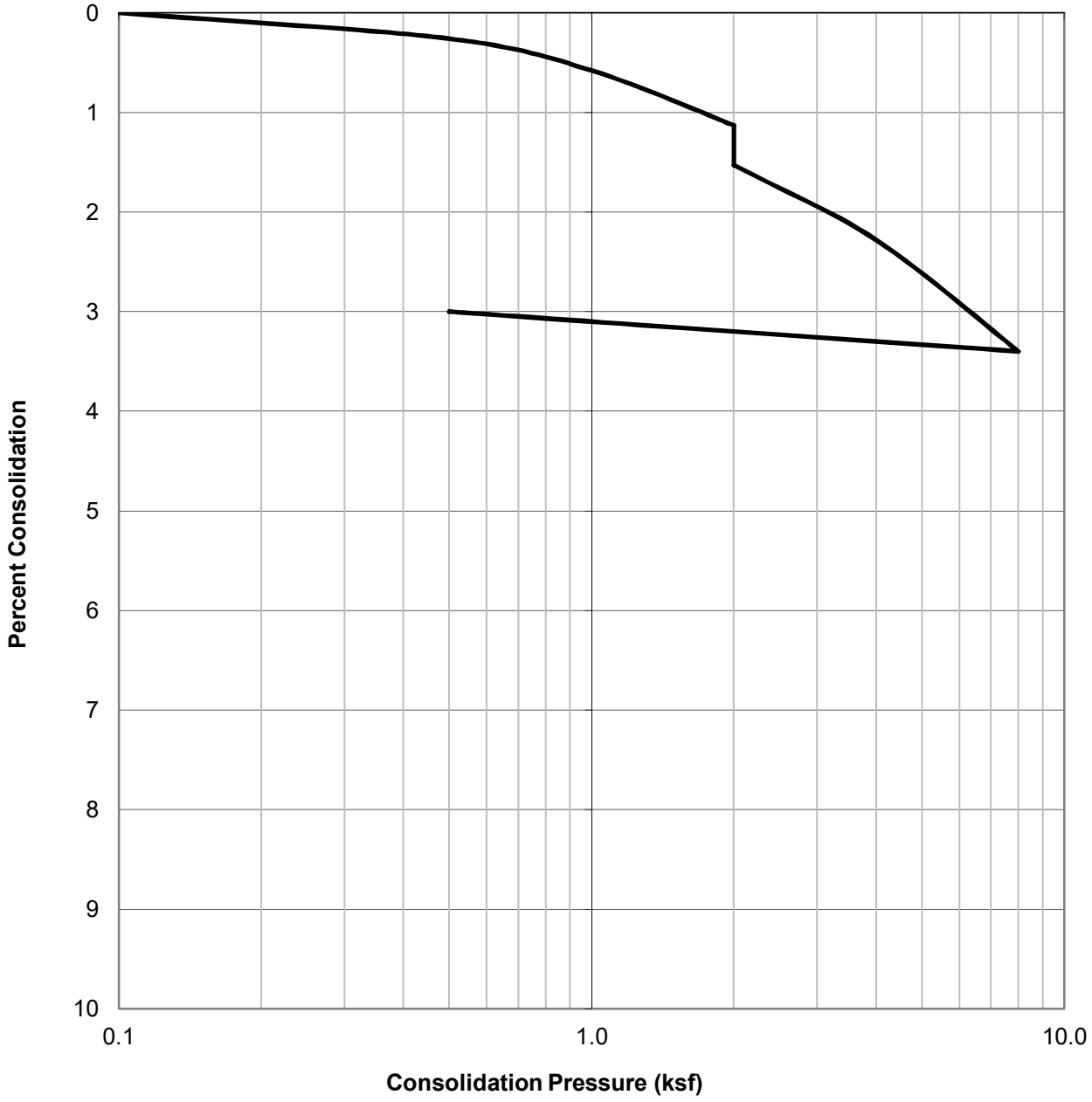
Checked by: PZ

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June 2022 Figure B12

WATER ADDED AT 2.0 KSF



SAMPLE ID.	SOIL TYPE	DRY DENSITY (PCF)	INITIAL MOISTURE (%)	FINAL MOISTURE (%)
B2@18	Silty Sand (SM)	102.7	5.7	18.4

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CONSOLIDATION TEST RESULTS

ASTM D-2435

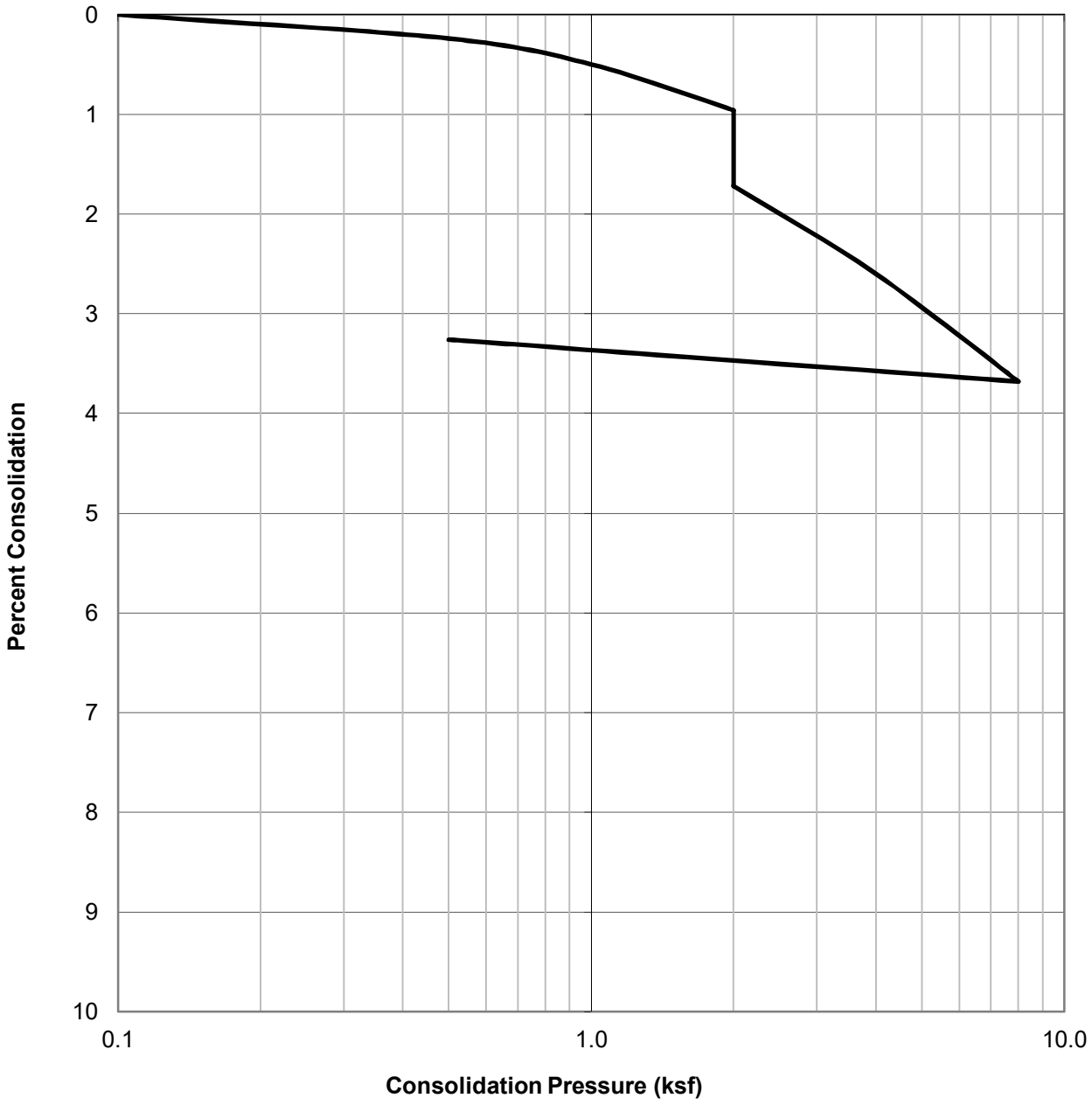
Checked by: PZ

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June 2022 Figure B13

WATER ADDED AT 2.0 KSF



SAMPLE ID.	SOIL TYPE	DRY DENSITY (PCF)	INITIAL MOISTURE (%)	FINAL MOISTURE (%)
B2@20	Silty Sand (SM)	102.2	4.8	18.7

GEOCON

CONSOLIDATION TEST RESULTS

ASTM D-2435

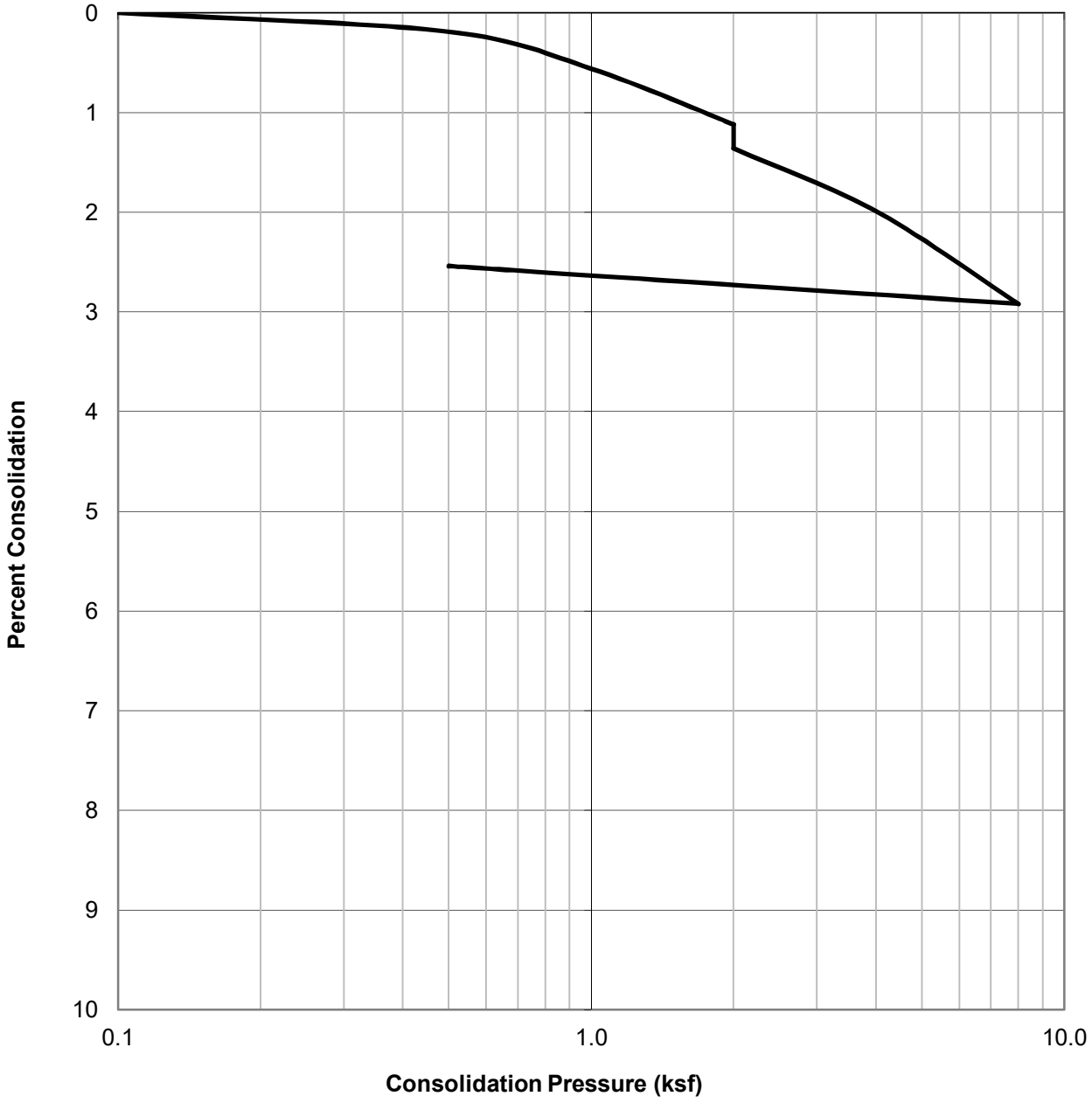
Checked by: PZ

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June 2022 Figure B14

WATER ADDED AT 2.0 KSF



SAMPLE ID.	SOIL TYPE	DRY DENSITY (PCF)	INITIAL MOISTURE (%)	FINAL MOISTURE (%)
B2@25	Silty Sand (SM)	116.7	10.7	12.9

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CONSOLIDATION TEST RESULTS

ASTM D-2435

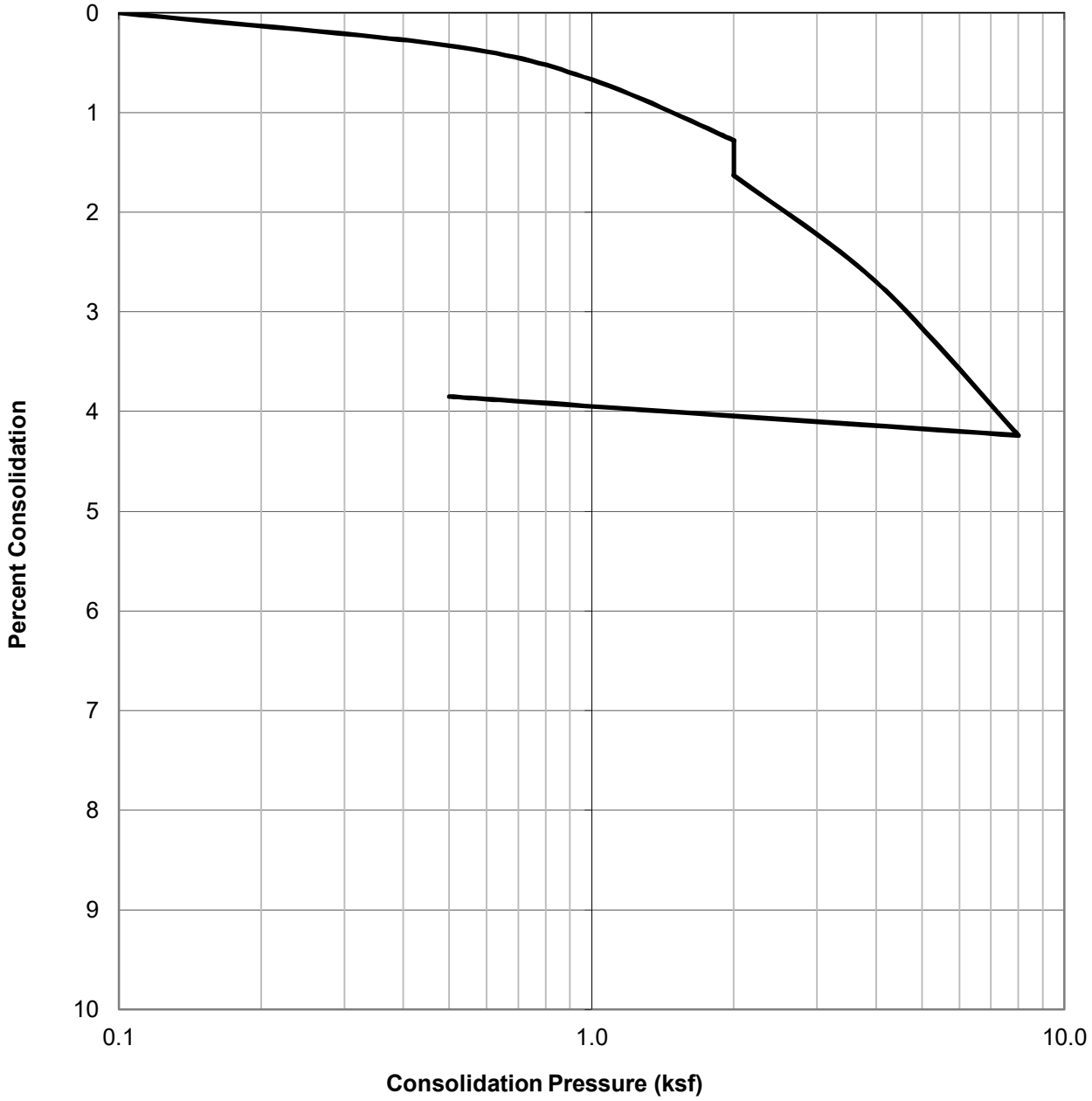
Checked by: PZ

Project No.: W1567-06-01

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June 2022 Figure B15

WATER ADDED AT 2.0 KSF



SAMPLE ID.	SOIL TYPE	DRY DENSITY (PCF)	INITIAL MOISTURE (%)	FINAL MOISTURE (%)
B2@30	Silty Sand (SM)	108.3	5.5	16.6

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CONSOLIDATION TEST RESULTS

ASTM D-2435

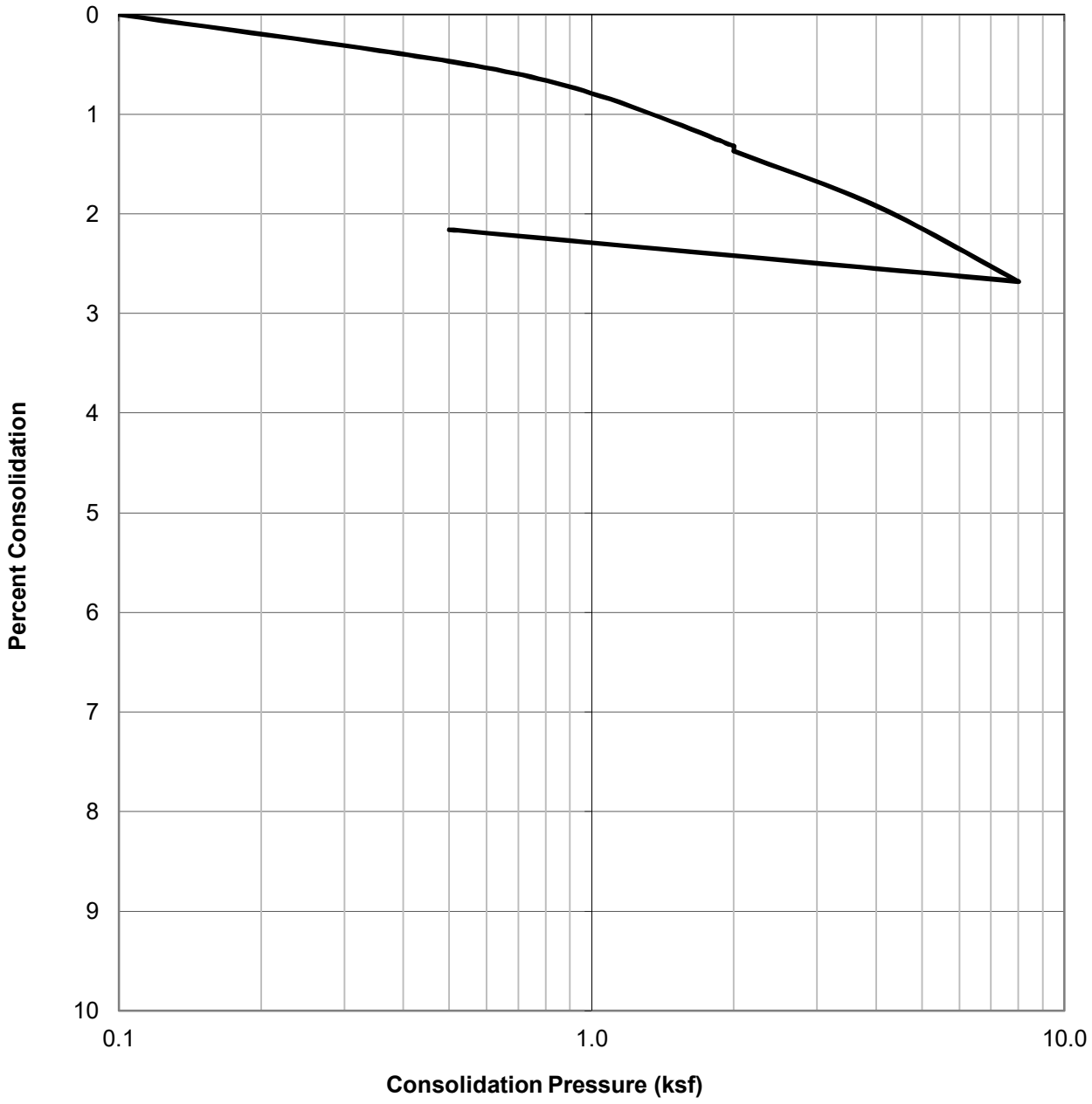
Checked by: PZ

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June 2022 Figure B16

WATER ADDED AT 2.0 KSF



SAMPLE ID.	SOIL TYPE	DRY DENSITY (PCF)	INITIAL MOISTURE (%)	FINAL MOISTURE (%)
B2@40	Silty Sand (SM)	122.6	10.5	11.3

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CONSOLIDATION TEST RESULTS

ASTM D-2435

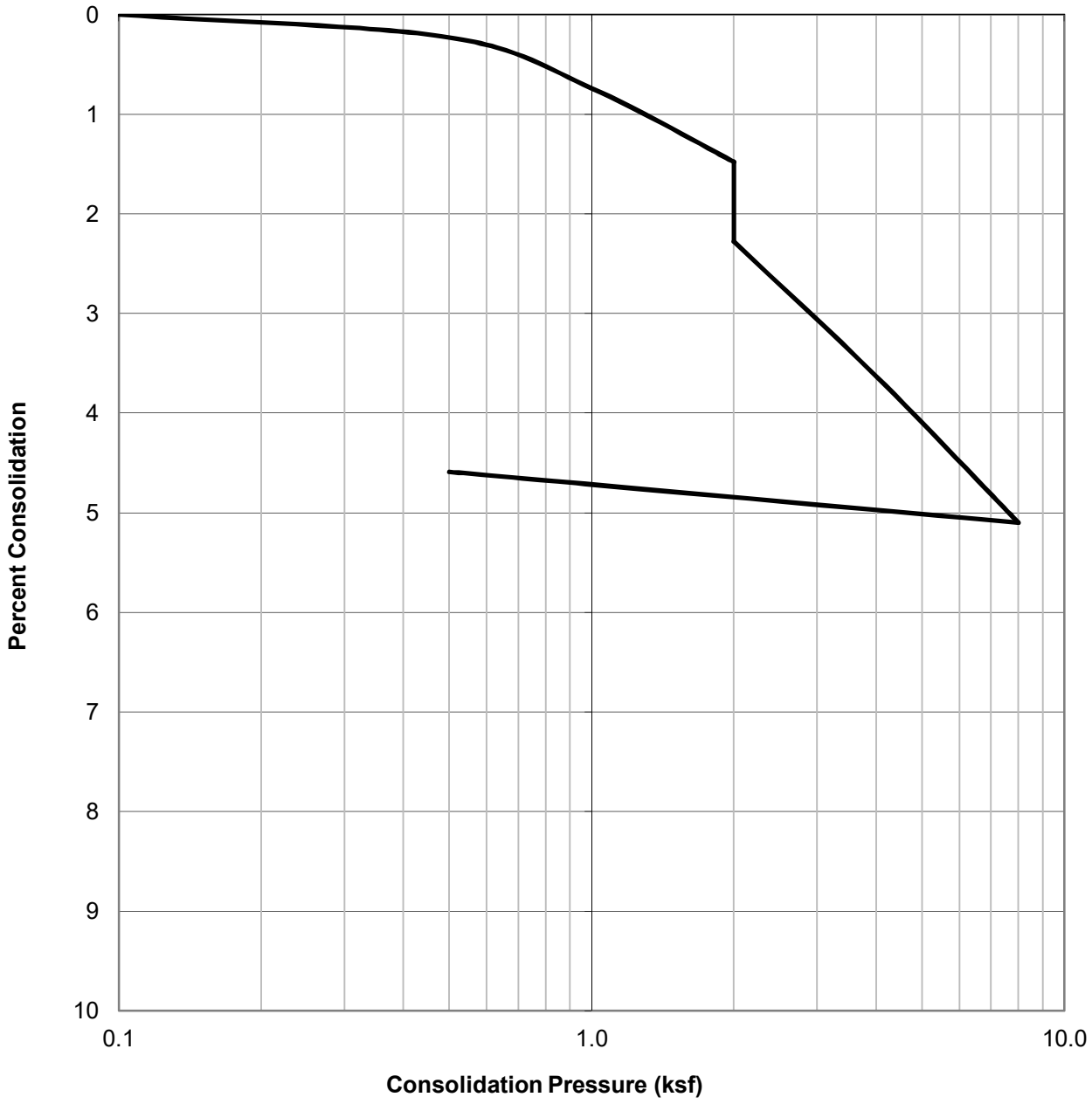
Checked by: PZ

Project No.: W1567-06-01

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June 2022 Figure B17

WATER ADDED AT 2.0 KSF



SAMPLE ID.	SOIL TYPE	DRY DENSITY (PCF)	INITIAL MOISTURE (%)	FINAL MOISTURE (%)
B3@15	Poorly Graded Sand (SP)	110.4	3.8	15.6

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CONSOLIDATION TEST RESULTS

ASTM D-2435

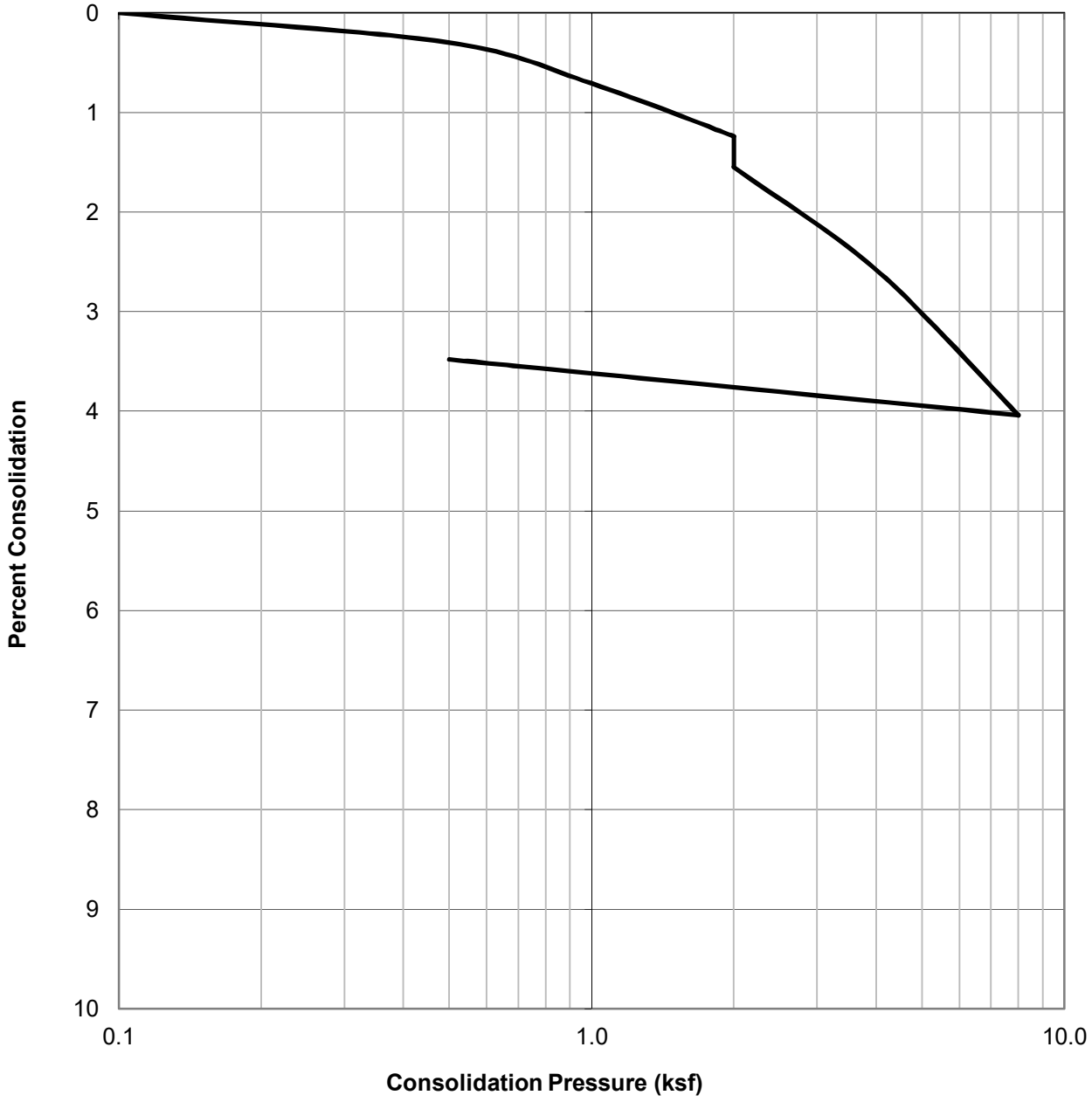
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June 2022 Figure B18

WATER ADDED AT 2.0 KSF



SAMPLE ID.	SOIL TYPE	DRY DENSITY (PCF)	INITIAL MOISTURE (%)	FINAL MOISTURE (%)
B3@20	Silty Sand (SM)	111.9	11.9	16.1

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CONSOLIDATION TEST RESULTS

ASTM D-2435

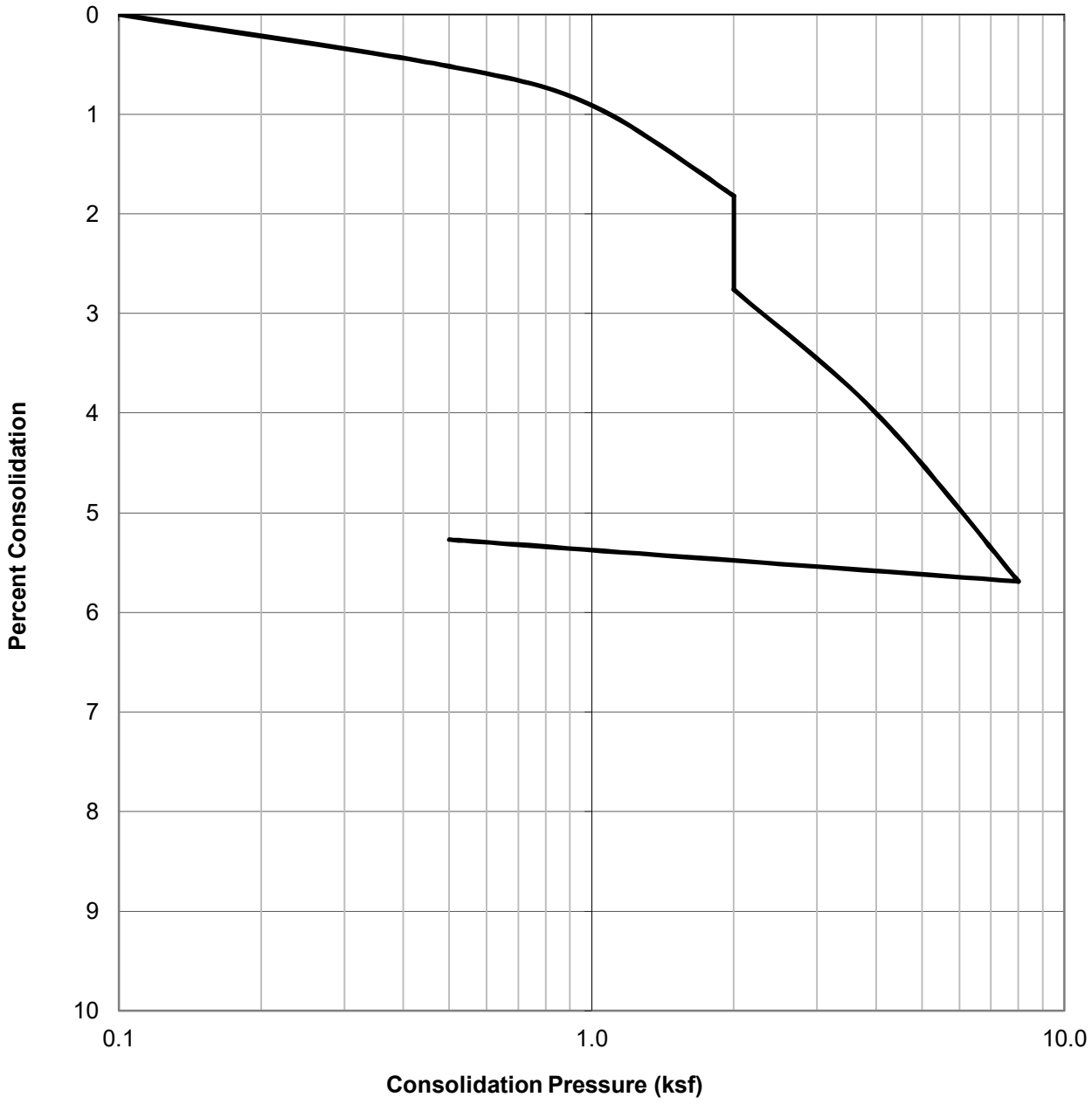
Checked by: PZ

Project No.: W1567-06-01

233-301 East Huntington Drive
Arcadia, California

June 2022 Figure B19

WATER ADDED AT 2.0 KSF



SAMPLE ID.	SOIL TYPE	DRY DENSITY (PCF)	INITIAL MOISTURE (%)	FINAL MOISTURE (%)
B4@15	Poorly Graded Sand (SP)	104.9	2.8	15.6

GEOCON

CONSOLIDATION TEST RESULTS

ASTM D-2435

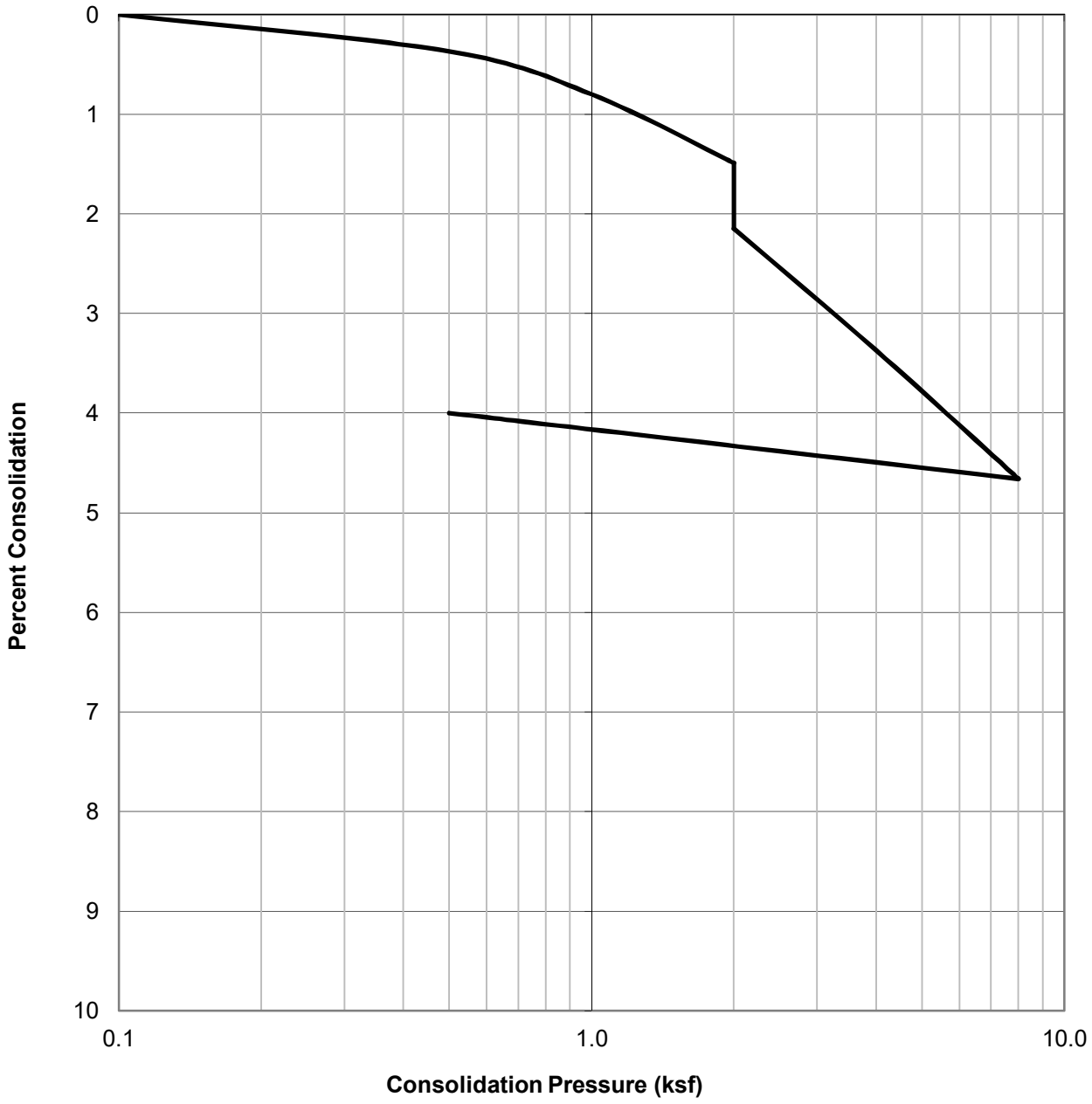
Checked by: PZ

Project No.: W1567-06-01

233-301 East Huntington Drive
Arcadia, California

June 2022 Figure B20

WATER ADDED AT 2.0 KSF



SAMPLE ID.	SOIL TYPE	DRY DENSITY (PCF)	INITIAL MOISTURE (%)	FINAL MOISTURE (%)
B4@17.5	Silty Sand (SM)	110.7	8.6	16.6

GEOCON

CONSOLIDATION TEST RESULTS

ASTM D-2435

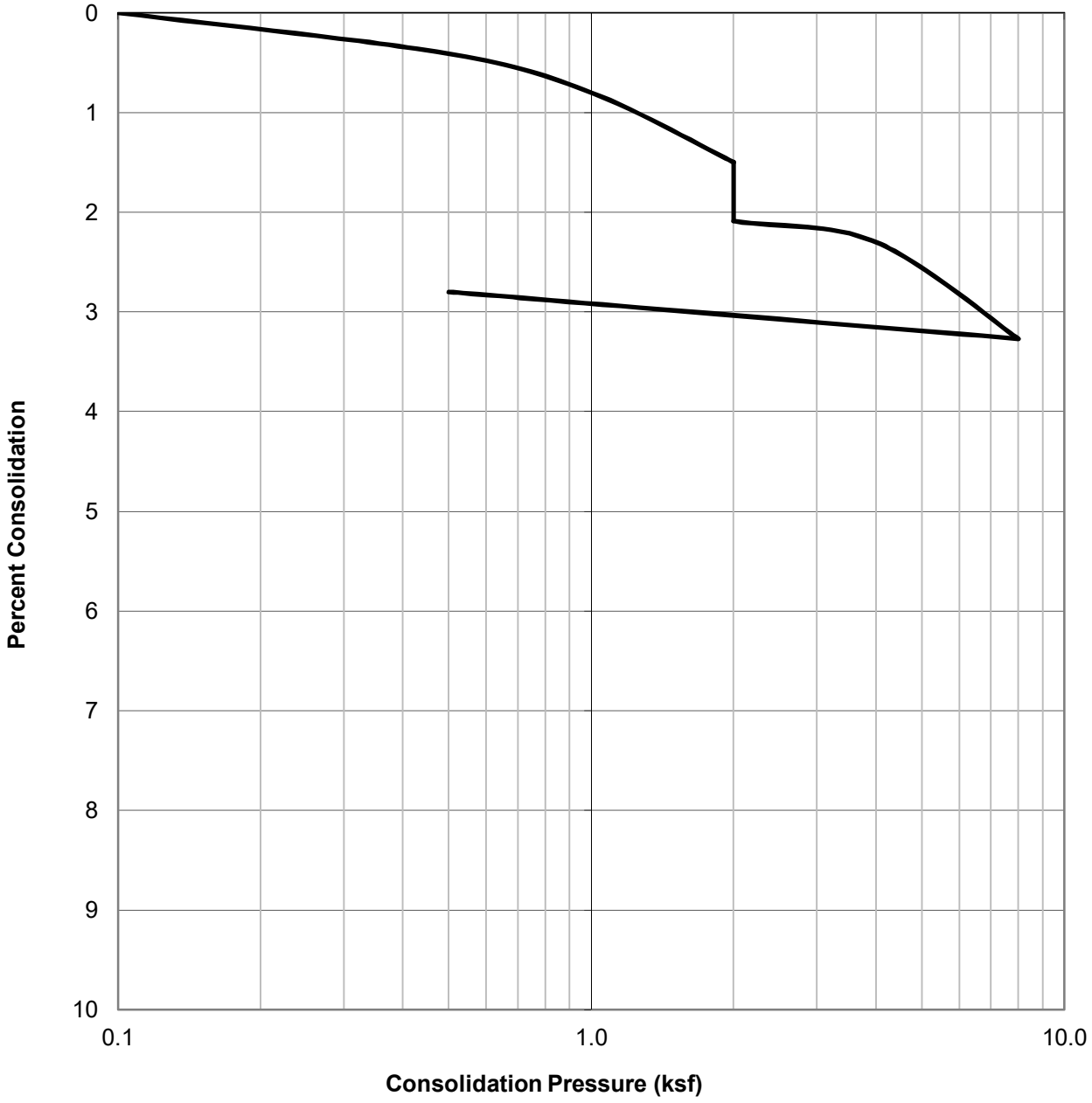
Checked by: PZ

Project No.: W1567-06-01

233-301 East Huntington Drive
Arcadia, California

June 2022 Figure B21

WATER ADDED AT 2.0 KSF



SAMPLE ID.	SOIL TYPE	DRY DENSITY (PCF)	INITIAL MOISTURE (%)	FINAL MOISTURE (%)
B4@20	Poorly Graded Sand (SP)	103.7	3.7	16.7

GEOCON

CONSOLIDATION TEST RESULTS

ASTM D-2435

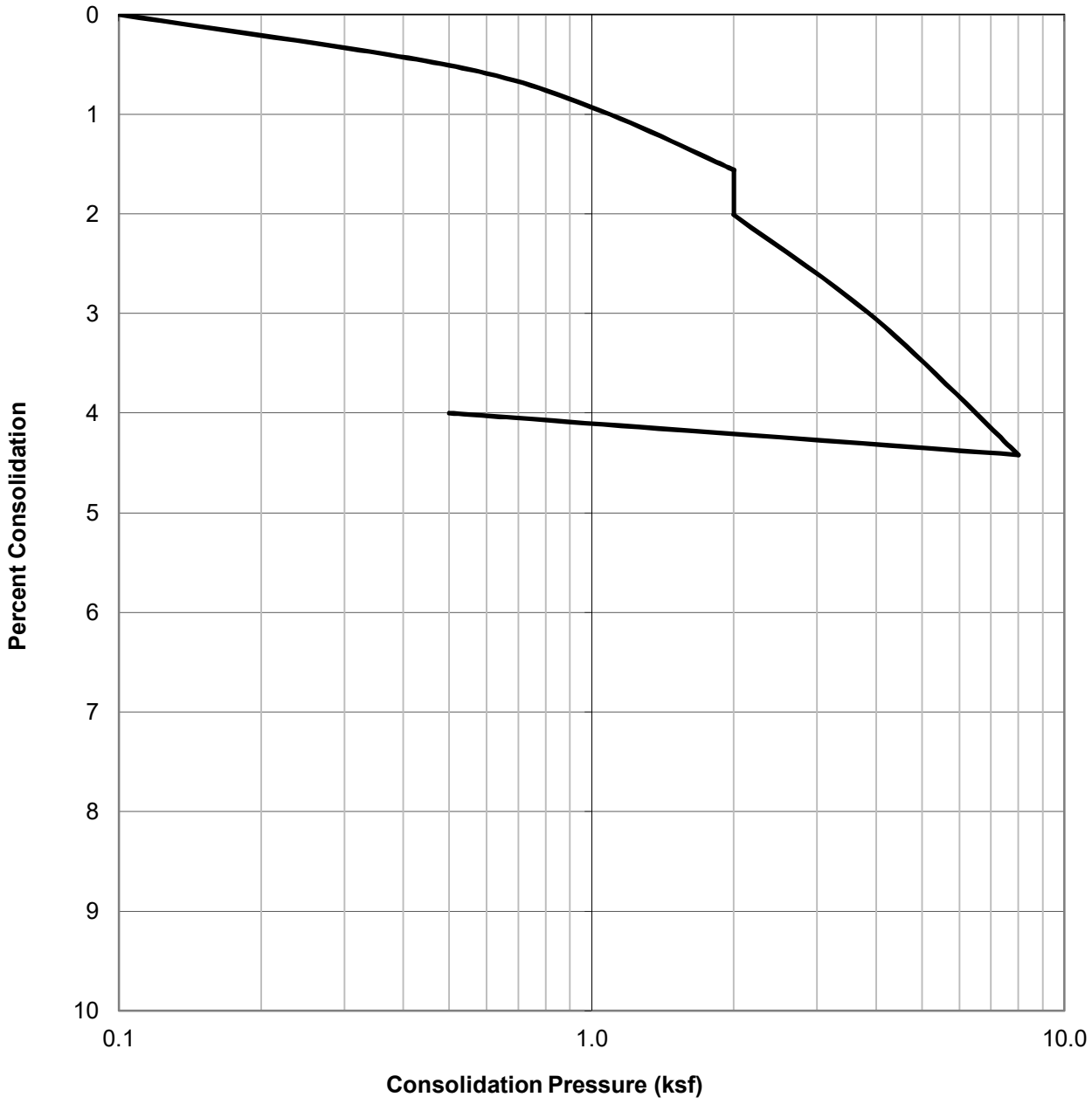
Checked by: PZ

Project No.: W1567-06-01

233-301 East Huntington Drive
Arcadia, California

June 2022 Figure B22

WATER ADDED AT 2.0 KSF



SAMPLE ID.	SOIL TYPE	DRY DENSITY (PCF)	INITIAL MOISTURE (%)	FINAL MOISTURE (%)
B4@30	Silty Sand (SM)	101.4	3.0	19.2

GEOCON

CONSOLIDATION TEST RESULTS

ASTM D-2435

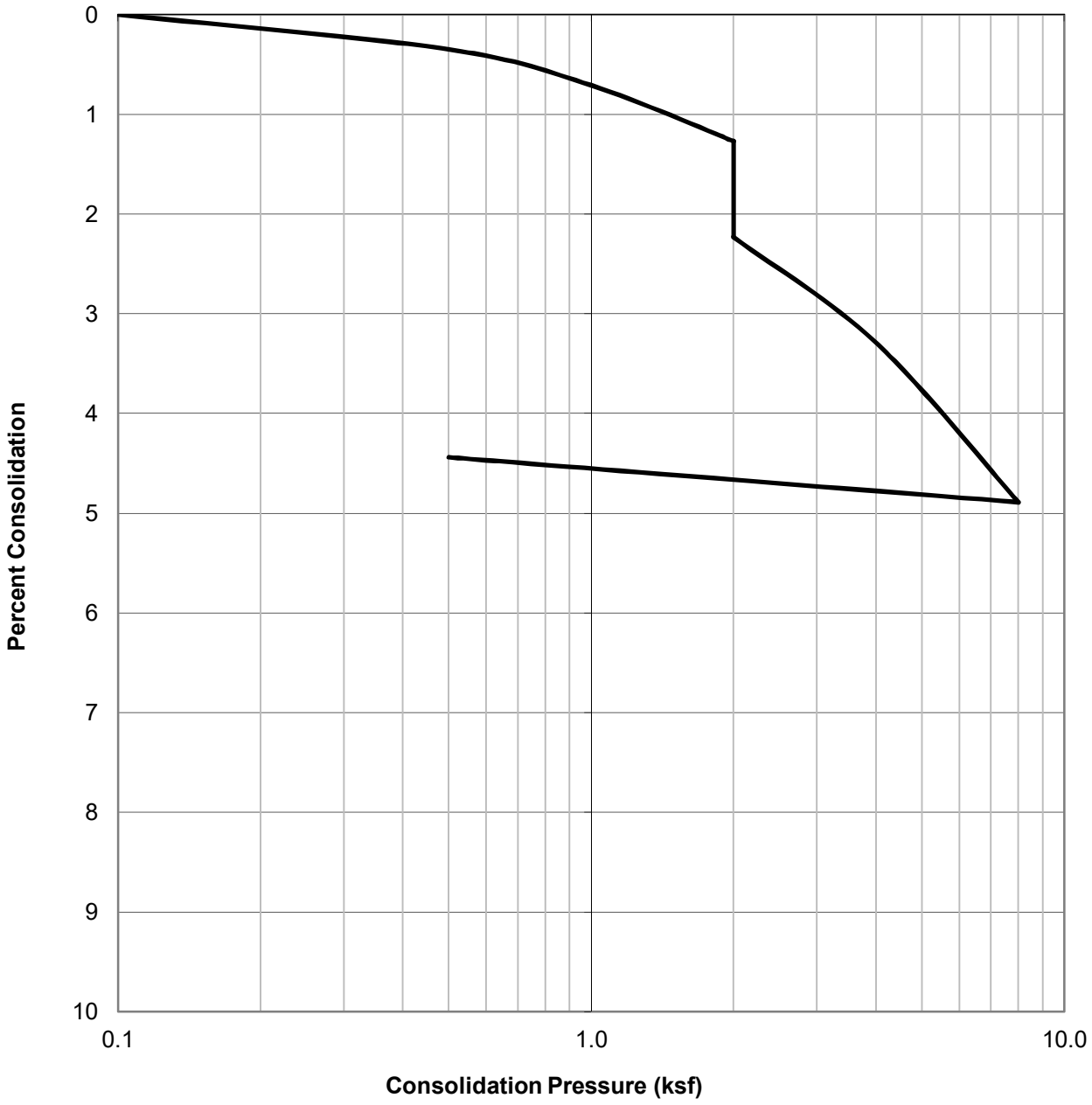
Checked by: PZ

Project No.: W1567-06-01

233-301 East Huntington Drive
Arcadia, California

June 2022 Figure B23

WATER ADDED AT 2.0 KSF



SAMPLE ID.	SOIL TYPE	DRY DENSITY (PCF)	INITIAL MOISTURE (%)	FINAL MOISTURE (%)
B4@35	Poorly Graded Sand (SP)	112.4	4.9	16.5

GEOCON

CONSOLIDATION TEST RESULTS

ASTM D-2435

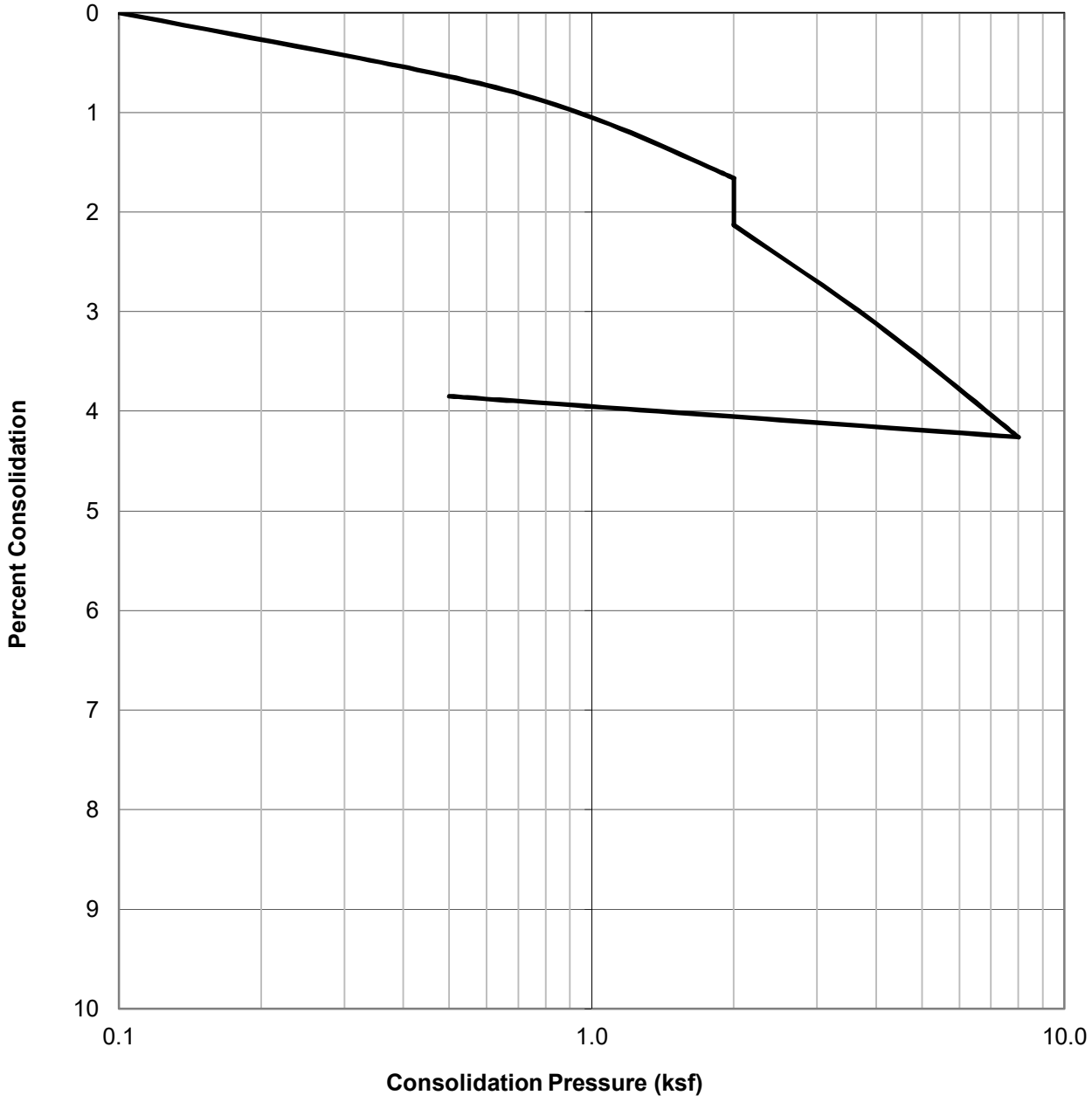
Checked by: PZ

Project No.: W1567-06-01

233-301 East Huntington Drive
Arcadia, California

June 2022 Figure B24

WATER ADDED AT 2.0 KSF



SAMPLE ID.	SOIL TYPE	DRY DENSITY (PCF)	INITIAL MOISTURE (%)	FINAL MOISTURE (%)
B5@13	Sand with Silt (SP-SM)	116.5	2.8	13.8

GEOCON

CONSOLIDATION TEST RESULTS

ASTM D-2435

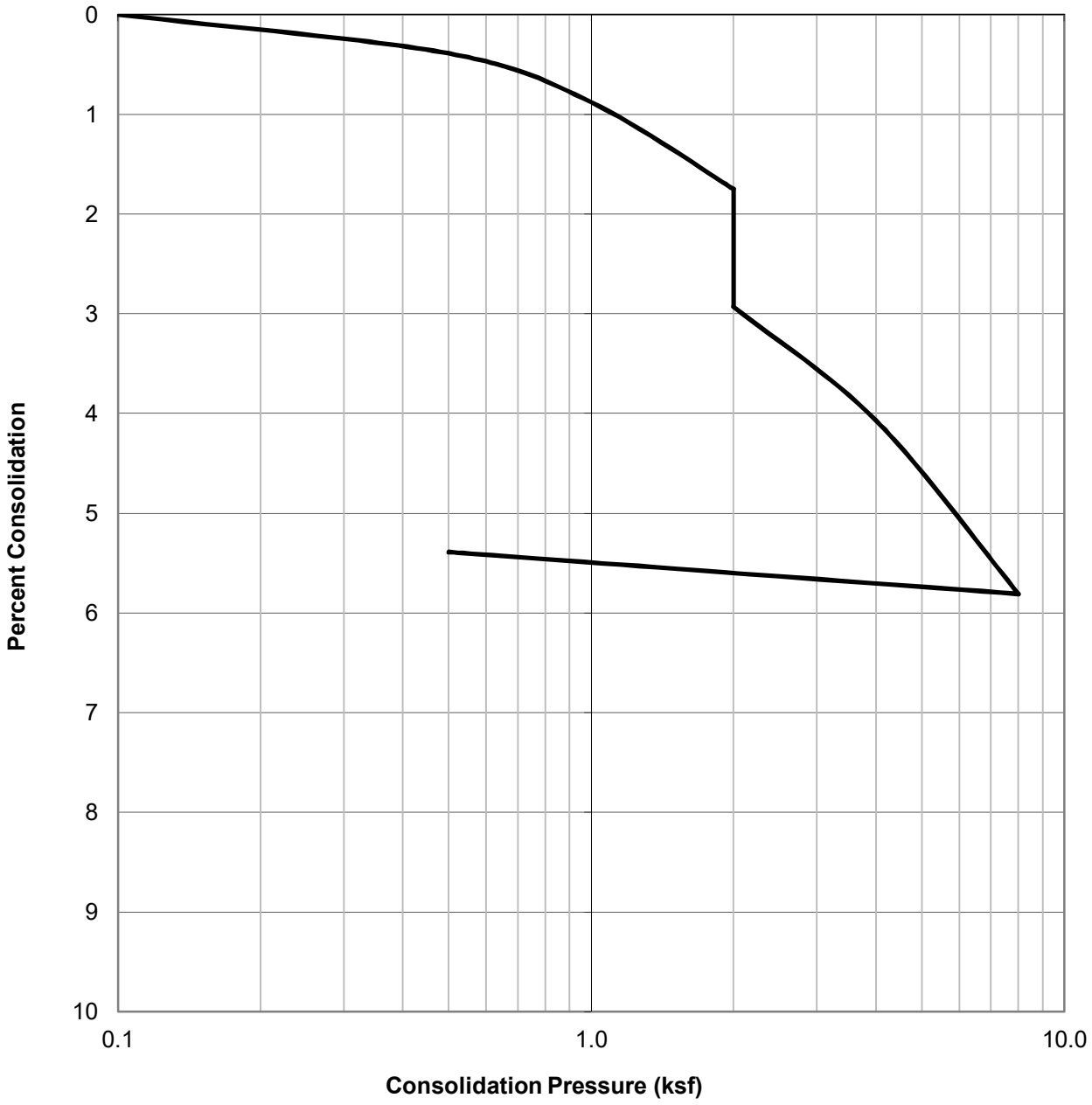
Checked by: PZ

Project No.: W1567-06-01

233-301 East Huntington Drive
Arcadia, California

June 2022 Figure B25

WATER ADDED AT 2.0 KSF



SAMPLE ID.	SOIL TYPE	DRY DENSITY (PCF)	INITIAL MOISTURE (%)	FINAL MOISTURE (%)
B5@25	Sand with Silt (SP-SM)	103.6	3.9	16.6

GEOCON

CONSOLIDATION TEST RESULTS

ASTM D-2435

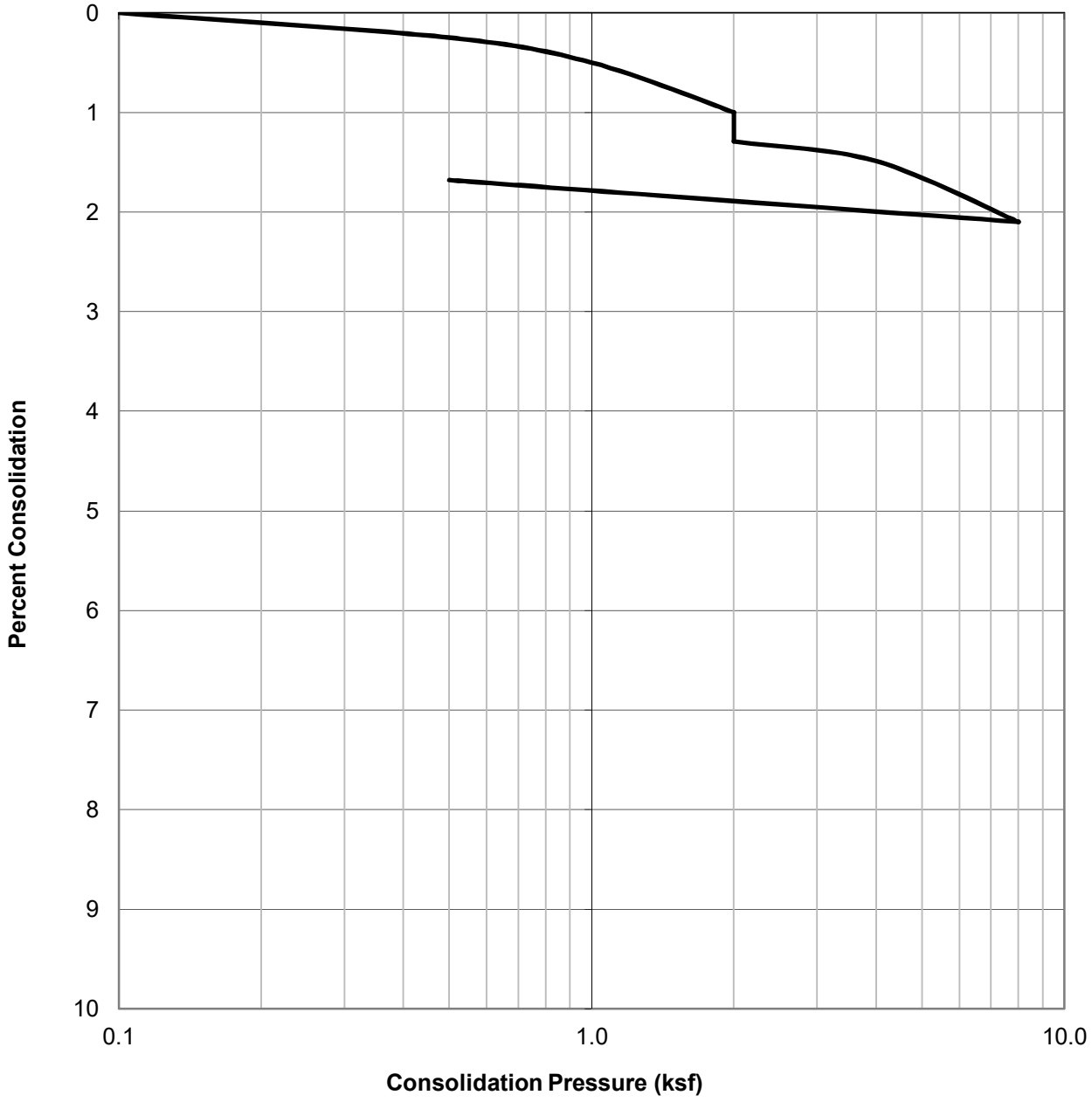
Checked by: PZ

Project No.: W1567-06-01

233-301 East Huntington Drive
Arcadia, California

June 2022 Figure B26

WATER ADDED AT 2.0 KSF



SAMPLE ID.	SOIL TYPE	DRY DENSITY (PCF)	INITIAL MOISTURE (%)	FINAL MOISTURE (%)
B5@35	Poorly Graded Sand (SP)	102.1	2.8	19.1

GEOCON

CONSOLIDATION TEST RESULTS

ASTM D-2435

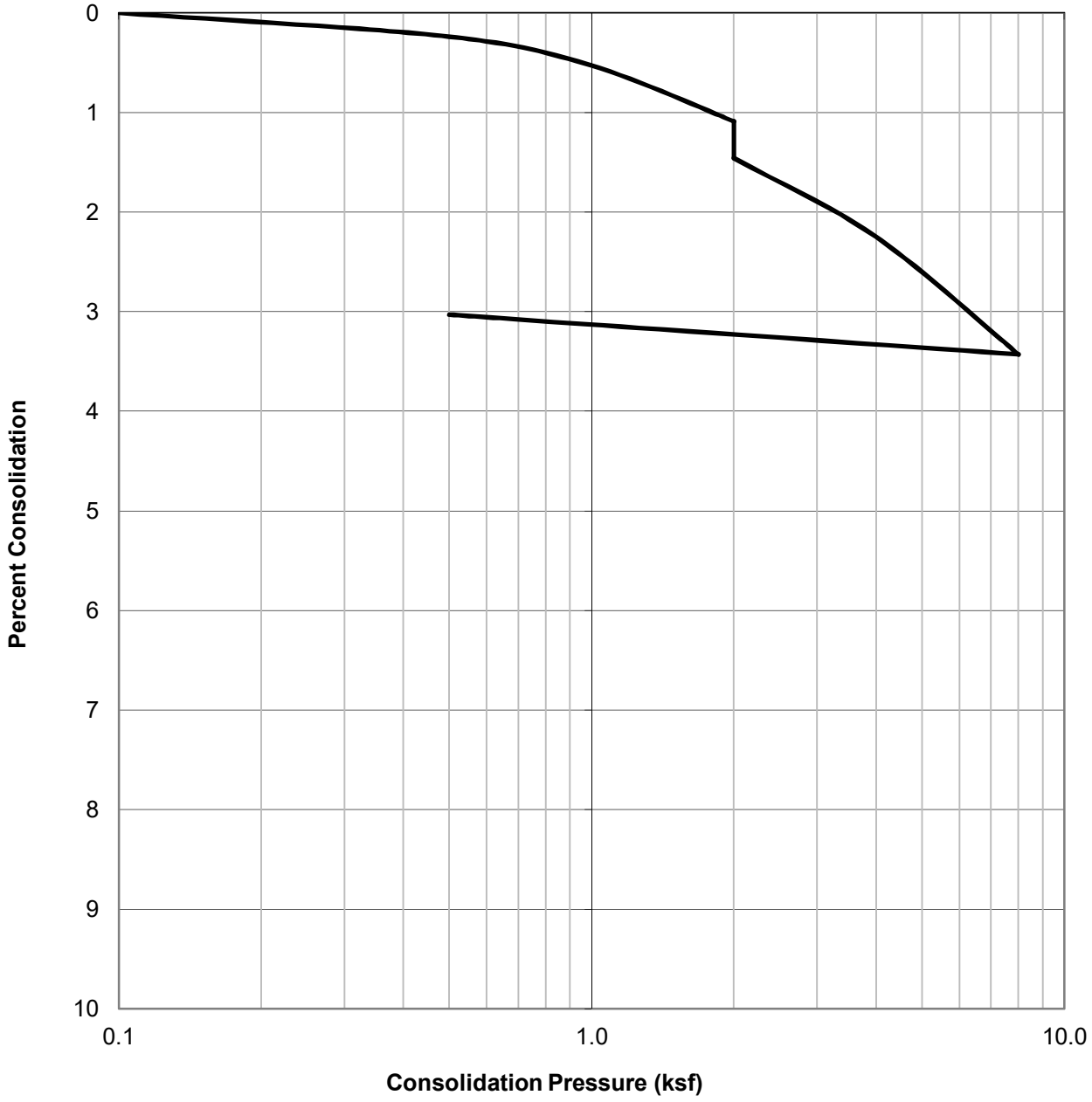
Checked by: PZ

Project No.: W1567-06-01

233-301 East Huntington Drive
Arcadia, California

June 2022 Figure B27

WATER ADDED AT 2.0 KSF



SAMPLE ID.	SOIL TYPE	DRY DENSITY (PCF)	INITIAL MOISTURE (%)	FINAL MOISTURE (%)
B5@45	Poorly Graded Sand (SP)	112.1	3.5	16.8

GEOCON

CONSOLIDATION TEST RESULTS

ASTM D-2435

Checked by: PZ

Project No.: W1567-06-01

233-301 East Huntington Drive
Arcadia, California

June 2022 Figure B28

SUMMARY OF LABORATORY
POTENTIAL OF HYDROGEN (pH) AND RESISTIVITY TEST RESULTS
AASHTO T289 ASTM D4972 and AASHTO T288 ASTM G187

Sample No.	pH	Resistivity (ohm centimeters)
B1+B3+B5@10-15'	8.9	18000 (Mildly Corrosive)

SUMMARY OF LABORATORY CHLORIDE CONTENT TEST RESULTS
AASHTO T291 ASTM C1218

Sample No.	Chloride Ion Content (%)
B1+B3+B5@10-15'	0.005

SUMMARY OF LABORATORY WATER SOLUBLE SULFATE TEST RESULTS
AASHTO T290 ASTM C1580

Sample No.	Water Soluble Sulfate (% SO_4)	Sulfate Exposure
B1+B3+B5@10-15'	0.000	S0

GEOCON

CORROSIVITY TEST RESULTS

Checked by: PZ

Project No.: W1567-06-01

233-301 East Huntington Drive
Arcadia, California

June 2022 Figure B29

Appendix H-1

Photographs of Measurement Locations and Field Notes, prepared by Dudek

FORMS DUDEK FIELD DATA REPORT

Field Noise Measurement Data

Record: 1540	
Project Name	*Derby*
Project #	*11663.05*
Observer(s)	
Date	*2022-11-11*

Meteorological Conditions	
Temp (F)	*71*
Humidity % (R.H.)	*24.6*
Wind	*Calm*
Wind Speed (MPH)	*1*
Wind Direction	*South*
Sky	*Overcast*

Instrument and Calibrator Information	
Instrument Name List	*Piccolo #1897*
Instrument Name	*Piccolo #1897*
Instrument Name Lookup Key	*Piccolo #1897*
Manufacturer	*Soft dB inc.*
Model	*Piccolo*
Serial Number	*P0222050202*
Calibration Date	*05/02/2022*
Calibrator Name	*(SB) LD CAL200*
Calibrator Name	*(SB) LD CAL200*
Calibrator Name Lookup Key	*(SB) LD CAL200*
Calibrator Manufacturer	*Larson Davis*
Calibrator Model	*LD CAL200*
Calibrator Serial #	*19952*
GPS Assistance Used	*No*
Pre-Test (dBA SPL)	*94*
Post-Test (dBA SPL)	*94*
Windscreen	*Yes*
Weighting?	*A-WTD*
Slow/Fast?	*Slow*
ANSI?	*Yes*

Monitoring	
Record #	*1*
Site ID	*ST1*
Site Location Lat/Long	*34.140325, -118.024716*
Begin (Time)	*13:46:00*
End (Time)	*14:01:00*
Other Lx (Specify Metric)	*L*
Primary Noise Source	*Traffic*
Other Noise Sources (Background)	*Distant Traffic*
Other Noise Sources Additional Description	*Metro Rail*
Is the same instrument and calibrator being used as previously noted?	*Yes*
Are the meteorological conditions the same as previously noted?	*Yes*

Description / Photos

Terrain	*Mixed*

Site Photos

Photo	
Comments / Description	*ST1 North*

Site Photos

Photo	
Comments / Description	*ST1 West*

Site Photos

Photo	
	
Comments / Description	*ST1 East*

Site Photos

Photo	
	
Comments / Description	*ST1 South*

FORMS DUDEK FIELD DATA REPORT

Monitoring

Record #	*2*
Site ID	*ST3*
Site Location Lat/Long	*34.140346, -118.022893*
Begin (Time)	*14:08:00*
End (Time)	*14:23:00*
Other Lx (Specify Metric)	*L*
Primary Noise Source	*Traffic*
Other Noise Sources (Background)	*Distant Traffic*
Is the same instrument and calibrator being used as previously noted?	*Yes*
Are the meteorological conditions the same as previously noted?	*Yes*

Description / Photos

Terrain	*Mixed*

Site Photos

Photo	
Comments / Description	*ST3 North*

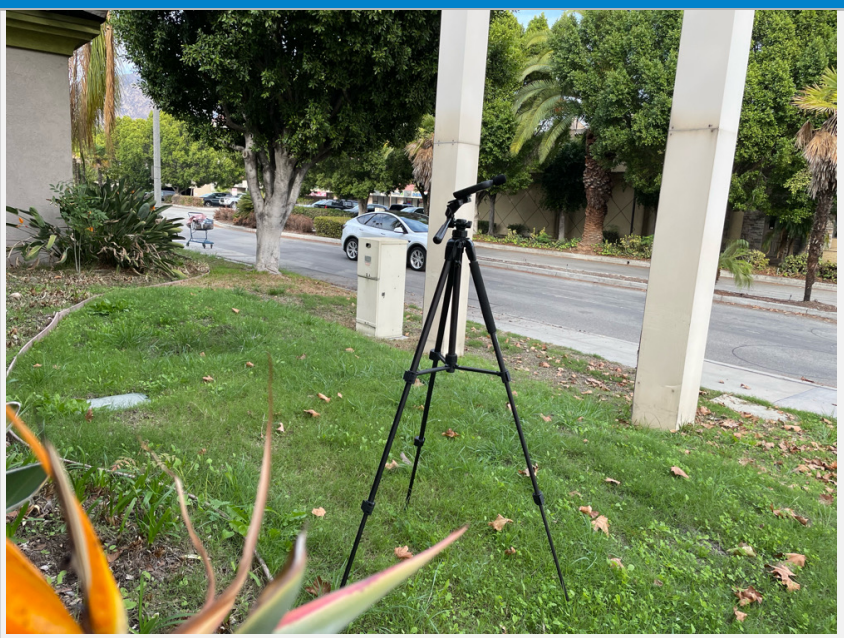
Site Photos

Photo	
Comments / Description	*ST3 South*

Site Photos

Photo	
Comments / Description	*ST3 East*

Site Photos

Photo	
	
Comments / Description	*ST3 West*

Monitoring

Record #	*3*
Site ID	*ST2*
Site Location Lat/Long	*34.141235, -118.023671*
Begin (Time)	*14:28:00*
End (Time)	*14:43:00*
Other Lx (Specify Metric)	*L*
Primary Noise Source	*Traffic*
Other Noise Sources (Background)	*Distant Traffic*
Other Noise Sources Additional Description	*AC from building (Hampton by Hilton), electricity buzz from building (Hampton by Hilton)*
Is the same instrument and calibrator being used as previously noted?	*Yes*
Are the meteorological conditions the same as previously noted?	*Yes*

Description / Photos

Terrain	*Mixed*

Site Photos

Photo	
	
Comments / Description	*ST2 North*

Site Photos

Photo	
	
Comments / Description	*ST2 West*

Site Photos

Photo	
	
Comments / Description	*ST2 South*

Site Photos

Photo	
	
Comments / Description	*ST2 East*

Appendix H-2

Selected Traffic Noise Model Input/Output, prepared by Dudek

Dudek 18 November 2022
CM TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Derby
RUN: Ex

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
R1	1	1	6,554,826.5	1,874,021.0	0.00	4.92	0.00	66	10.0	8.0	Y
R2	2	1	6,554,734.5	1,873,999.9	0.00	4.92	0.00	66	10.0	8.0	Y
R3 / ST2	3	1	6,554,523.0	1,873,742.9	0.00	4.92	0.00	66	10.0	8.0	Y
R4	4	1	6,554,549.0	1,873,721.6	0.00	4.92	0.00	66	10.0	8.0	Y
R5	5	1	6,554,205.5	1,873,668.6	0.00	4.92	0.00	66	10.0	8.0	Y
R6	6	1	6,553,910.5	1,873,919.6	0.00	4.92	0.00	66	10.0	8.0	Y
R7	7	1	6,553,980.0	1,873,610.4	0.00	4.92	0.00	66	10.0	8.0	Y
R8 / ST1	8	1	6,554,185.0	1,873,459.1	0.00	4.92	0.00	66	10.0	8.0	Y
R9	9	1	6,554,380.5	1,873,451.2	0.00	4.92	0.00	66	10.0	8.0	Y
R10 / ST3	11	1	6,554,739.0	1,873,445.0	0.00	4.92	0.00	66	10.0	8.0	Y

Dudek					**18 November 2022**						
CM					**TNM 2.5**						
INPUT: ROADWAYS								**Average pavement type shall be used unless**			
PROJECT/CONTRACT:	**Derby**							**a State highway agency substantiates the use**			
RUN:	**Ex**							**of a different type with the approval of FHWA**			
Roadway		**Points**									
Name	**Width**	**Name**	**No.**	**Coordinates (pavement)**			**Flow Control**			**Segment**	
				X	**Y**	**Z**	**Control Device**	**Speed Constraint**	**Percent Vehicles Affected**	**Pvmt Type**	**On Struct?**
	ft			ft	ft	ft		mph	%		
Huntington EB | W of 2nd	44.0	point6	6	6,553,632.5	1,873,355.5	0.00				Average	
		point5	5	6,553,732.5	1,873,357.5	0.00				Average	
		point4	4	6,553,832.5	1,873,359.0	0.00				Average	
		point3	3	6,553,932.5	1,873,360.5	0.00				Average	
		point2	2	6,554,032.5	1,873,362.0	0.00				Average	
		point1	1	6,554,078.5	1,873,362.6	0.00					
Huntington EB | 2nd-Gateway	40.0	point14	14	6,554,078.5	1,873,362.6	0.00	Signal	0.00	50	Average	
		point13	13	6,554,178.5	1,873,363.9	0.00				Average	
		point12	12	6,554,278.5	1,873,365.1	0.00				Average	
		point11	11	6,554,378.5	1,873,366.4	0.00				Average	
		point10	10	6,554,478.5	1,873,368.1	0.00				Average	
		point9	9	6,554,578.5	1,873,369.9	0.00				Average	
		point8	8	6,554,678.5	1,873,371.8	0.00				Average	
		point7	7	6,554,727.5	1,873,372.6	0.00					
Huntington EB | Gateway-Fifth	40.0	point22	22	6,554,727.5	1,873,372.6	0.00	Signal	0.00	50	Average	
		point21	21	6,554,824.0	1,873,373.9	0.00				Average	
		point20	20	6,554,904.5	1,873,375.8	0.00				Average	
		point19	19	6,555,004.5	1,873,377.1	0.00				Average	
		point18	18	6,555,105.0	1,873,379.1	0.00				Average	
		point17	17	6,555,205.0	1,873,380.6	0.00				Average	
		point16	16	6,555,305.0	1,873,382.2	0.00				Average	
		point15	15	6,555,417.5	1,873,384.4	0.00					
Huntington WB | Fifth-Gateway	46.0	point30	30	6,555,504.5	1,873,420.4	0.00	Signal	0.00	50	Average	
		point29	29	6,555,404.5	1,873,416.6	0.00				Average	
		point28	28	6,555,305.0	1,873,414.5	0.00				Average	

		point27	27	6,555,205.0	1,873,412.6	0.00				Average	
		point26	26	6,555,105.0	1,873,411.0	0.00				Average	
		point25	25	6,555,005.0	1,873,409.5	0.00				Average	
		point24	24	6,554,905.0	1,873,407.9	0.00				Average	
		point23	23	6,554,824.5	1,873,406.6	0.00					
Huntington WB | Gateway-2nd	48.0	point38	38	6,554,824.5	1,873,406.6	0.00	Signal	0.00	50	Average	
		point37	37	6,554,728.0	1,873,405.5	0.00				Average	
		point36	36	6,554,679.5	1,873,404.4	0.00				Average	
		point35	35	6,554,578.0	1,873,403.2	0.00				Average	
		point34	34	6,554,478.0	1,873,401.9	0.00				Average	
		point33	33	6,554,379.0	1,873,400.1	0.00				Average	
		point32	32	6,554,279.0	1,873,398.6	0.00				Average	
		point31	31	6,554,179.5	1,873,397.1	0.00					
Huntington WB | W of 2nd	40.0	point45	45	6,554,179.5	1,873,397.1	0.00				Average	
		point44	44	6,554,079.5	1,873,394.9	0.00				Average	
		point43	43	6,554,033.0	1,873,394.1	0.00				Average	
		point42	42	6,553,933.5	1,873,392.5	0.00				Average	
		point41	41	6,553,832.5	1,873,390.8	0.00				Average	
		point40	40	6,553,732.5	1,873,389.5	0.00				Average	
		point39	39	6,553,632.0	1,873,387.4	0.00					
Gateway	48.0	point46	46	6,554,778.5	1,873,426.1	0.00				Average	
		point47	47	6,554,778.5	1,873,526.1	0.00				Average	
		point48	48	6,554,782.0	1,873,626.1	0.00				Average	
		point49	49	6,554,782.5	1,873,675.8	0.00				Average	
		point50	50	6,554,780.0	1,873,775.8	0.00				Average	
		point51	51	6,554,779.0	1,873,896.2	0.00					
2nd NB | S of Huntington	34.0	point56	56	6,554,073.5	1,872,990.8	0.00				Average	
		point55	55	6,554,106.5	1,873,085.1	0.00				Average	
		point54	54	6,554,132.0	1,873,181.9	0.00				Average	
		point53	53	6,554,137.5	1,873,281.8	0.00				Average	
		point52	52	6,554,137.5	1,873,355.8	0.00					
2nd NB | Huntington-Santa Clara	42.0	point65	65	6,554,142.5	1,873,412.6	0.00	Signal	0.00	50	Average	
		point64	64	6,554,138.0	1,873,528.9	0.00				Average	
		point63	63	6,554,120.0	1,873,627.2	0.00				Average	
		point62	62	6,554,082.0	1,873,719.8	0.00				Average	
		point61	61	6,554,056.5	1,873,816.5	0.00				Average	
		point60	60	6,554,054.0	1,873,916.5	0.00				Average	
		point59	59	6,554,051.5	1,874,016.5	0.00				Average	
		point58	58	6,554,049.5	1,874,116.5	0.00				Average	

		point57	57	6,554,048.5	1,874,157.2	0.00					
2nd SB | Santa Clara-Huntington	42.0	point74	74	6,554,016.5	1,874,157.1	0.00	Signal	0.00	50	Average	
		point73	73	6,554,017.5	1,874,014.6	0.00				Average	
		point72	72	6,554,019.0	1,873,914.6	0.00				Average	
		point71	71	6,554,022.0	1,873,814.8	0.00				Average	
		point70	70	6,554,044.5	1,873,717.2	0.00				Average	
		point69	69	6,554,083.5	1,873,625.1	0.00				Average	
		point68	68	6,554,105.5	1,873,527.6	0.00				Average	
		point67	67	6,554,109.0	1,873,417.1	0.00					
2nd SB | S of Huntington	32.0	point80	80	6,554,109.0	1,873,354.9	0.00	Signal	0.00	50	Average	
		point79	79	6,554,108.0	1,873,282.0	0.00				Average	
		point78	78	6,554,102.0	1,873,183.4	0.00				Average	
		point77	77	6,554,076.5	1,873,090.2	0.00				Average	
		point76	76	6,554,046.0	1,872,998.4	0.00					
Santa Clara EB | 2nd-Fifth	36.0	point97	97	6,553,987.5	1,874,163.1	0.00	Signal	0.00	50	Average	
		point96	96	6,554,087.5	1,874,164.6	0.00				Average	
		point95	95	6,554,187.5	1,874,171.9	0.00				Average	
		point94	94	6,554,287.5	1,874,176.9	0.00				Average	
		point93	93	6,554,387.5	1,874,178.4	0.00				Average	
		point92	92	6,554,487.5	1,874,179.5	0.00				Average	
		point91	91	6,554,587.5	1,874,180.9	0.00				Average	
		point90	90	6,554,687.5	1,874,182.4	0.00				Average	
		point89	89	6,554,787.5	1,874,183.8	0.00				Average	
		point88	88	6,554,887.0	1,874,186.5	0.00				Average	
		point87	87	6,554,987.0	1,874,190.1	0.00				Average	
		point86	86	6,555,087.0	1,874,193.9	0.00				Average	
		point85	85	6,555,187.0	1,874,196.6	0.00				Average	
		point84	84	6,555,287.0	1,874,198.8	0.00				Average	
		point83	83	6,555,387.0	1,874,197.6	0.00				Average	
		point82	82	6,555,405.0	1,874,197.6	0.00					
Santa Clara WB | Fifth-2nd	36.0	point114	114	6,555,484.0	1,874,209.6	0.00	Signal	0.00	50	Average	
		point113	113	6,555,405.0	1,874,209.6	0.00				Average	
		point112	112	6,555,387.0	1,874,209.6	0.00				Average	
		point111	111	6,555,287.5	1,874,209.2	0.00				Average	
		point110	110	6,555,187.0	1,874,207.5	0.00				Average	
		point109	109	6,555,087.0	1,874,204.6	0.00				Average	
		point108	108	6,554,987.0	1,874,201.0	0.00				Average	
		point107	107	6,554,887.0	1,874,197.4	0.00				Average	
		point106	106	6,554,787.5	1,874,194.4	0.00				Average	

		point105	105	6,554,687.0	1,874,193.6	0.00				Average	
		point104	104	6,554,587.5	1,874,191.6	0.00				Average	
		point103	103	6,554,487.5	1,874,190.5	0.00				Average	
		point102	102	6,554,387.5	1,874,189.1	0.00				Average	
		point101	101	6,554,287.0	1,874,188.0	0.00				Average	
		point100	100	6,554,188.0	1,874,188.9	0.00				Average	
		point99	99	6,554,089.0	1,874,193.4	0.00				Average	
		point98	98	6,553,987.0	1,874,191.4	0.00					

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18 November 2022
TNM 2.5

INPUT: BARRIERS
PROJECT/CONTRACT: Derby
RUN: Ex

Barrier									Points										
Name	Type	Height		If Wall	If Berm			Add'tnl	Name	No.	Coordinates (bottom)			Height	Segment				
		Min	Max	$ per Unit Area	$ per Unit Vol.	Top Width	Run:Rise	$ per Unit Length			X	Y	Z	at Point	Seg Ht Incre-ment	Perturbs #Up	#Dn	On Struct?	Important Reflec-tions?
		ft	ft	$/sq ft	$/cu yd	ft	ft:ft	$/ft			ft	ft	ft	ft	ft				
Barrier1	W	0.00	99.99	0.00				0.00	point1	1	6,554,385.0	1,873,646.0	0.00	74.00	0.00	0	0		
									point2	2	6,554,541.0	1,873,646.1	0.00	74.00	0.00	0	0		
									point3	3	6,554,541.0	1,873,651.0	0.00	74.00	0.00	0	0		
									point4	4	6,554,735.0	1,873,651.0	0.00	74.00	0.00	0	0		
									point5	5	6,554,735.0	1,873,621.1	0.00	74.00	0.00	0	0		
									point6	6	6,554,726.0	1,873,621.1	0.00	74.00	0.00	0	0		
									point7	7	6,554,726.0	1,873,615.4	0.00	74.00	0.00	0	0		
									point8	8	6,554,731.0	1,873,615.4	0.00	74.00	0.00	0	0		
									point9	9	6,554,731.0	1,873,583.1	0.00	20.00	0.00	0	0		
									point10	10	6,554,726.0	1,873,580.8	0.00	20.00	0.00	0	0		
									point11	11	6,554,723.5	1,873,584.2	0.00	20.00	0.00	0	0		
									point12	12	6,554,710.0	1,873,579.0	0.00	20.00	0.00	0	0		
									point13	13	6,554,712.0	1,873,574.8	0.00	20.00	0.00	0	0		
									point14	14	6,554,702.0	1,873,574.8	0.00	20.00	0.00	0	0		
									point15	15	6,554,702.0	1,873,518.5	0.00	20.00	0.00	0	0		
									point16	16	6,554,710.0	1,873,518.5	0.00	20.00	0.00	0	0		
									point17	17	6,554,723.5	1,873,514.4	0.00	20.00	0.00	0	0		
									point18	18	6,554,725.5	1,873,517.1	0.00	20.00	0.00	0	0		
									point19	19	6,554,746.0	1,873,511.1	0.00	74.00	0.00	0	0		
									point20	20	6,554,746.0	1,873,469.2	0.00	74.00	0.00	0	0		
									point21	21	6,554,736.0	1,873,469.2	0.00	74.00	0.00	0	0		
									point22	22	6,554,736.0	1,873,449.4	0.00	74.00	0.00	0	0		
									point23	23	6,554,637.5	1,873,449.4	0.00	74.00	0.00	0	0		
									point24	24	6,554,637.5	1,873,441.6	0.00	74.00	0.00	0	0		
									point25	25	6,554,531.5	1,873,441.6	0.00	74.00	0.00	0	0		
									point26	26	6,554,531.5	1,873,469.6	0.00	74.00	0.00	0	0		
									point27	27	6,554,545.0	1,873,469.6	0.00	74.00	0.00	0	0		
									point28	28	6,554,545.0	1,873,578.6	0.00	74.00	0.00	0	0		
									point29	29	6,554,462.0	1,873,578.6	0.00	74.00	0.00	0	0		
									point30	30	6,554,462.0	1,873,446.4	0.00	20.00	0.00	0	0		
									point31	31	6,554,385.0	1,873,446.4	0.00	20.00	0.00	0	0		
									point93	93	6,554,385.0	1,873,546.2	0.00	20.00	0.00	0	0		
									point32	32	6,554,385.0	1,873,646.0	0.00	74.00					
Barrier2	W	0.00	99.99	0.00				0.00	point33	33	6,554,870.5	1,873,559.0	0.00	15.00	0.00	0	0		
									point34	34	6,554,870.5	1,873,491.9	0.00	15.00	0.00	0	0		

									point35	35	6,554,894.0	1,873,491.9	0.00	15.00	0.00	0	0		
									point36	36	6,554,894.0	1,873,449.8	0.00	15.00	0.00	0	0		
									point37	37	6,554,816.0	1,873,449.8	0.00	15.00	0.00	0	0		
									point38	38	6,554,816.0	1,873,558.1	0.00	15.00					
Barrier3	W	0.00	99.99	0.00				0.00	point39	39	6,555,095.5	1,873,544.9	0.00	15.00	15.00	0	0		
									point40	40	6,555,095.5	1,873,452.2	0.00	15.00	15.00	0	0		
									point41	41	6,555,010.5	1,873,452.2	0.00	15.00	15.00	0	0		
									point42	42	6,555,010.5	1,873,543.4	0.00	15.00					
Barrier4	W	0.00	99.99	0.00				0.00	point43	43	6,554,855.5	1,873,764.5	0.00	30.00	0.00	0	0		
									point44	44	6,555,046.5	1,873,768.1	0.00	30.00	0.00	0	0		
									point45	45	6,555,368.0	1,873,461.0	0.00	10.00	0.00	0	0		
									point46	46	6,555,211.5	1,873,461.0	0.00	10.00	0.00	0	0		
									point47	47	6,555,211.5	1,873,520.9	0.00	10.00	0.00	0	0		
									point48	48	6,555,038.5	1,873,695.9	0.00	30.00	0.00	0	0		
									point49	49	6,554,855.5	1,873,695.9	0.00	30.00	0.00	0	0		
									point50	50	6,554,855.5	1,873,764.5	0.00	30.00					
Barrier5	W	0.00	99.99	0.00				0.00	point51	51	6,554,369.5	1,873,694.2	0.00	70.00	0.00	0	0		
									point52	52	6,554,180.0	1,873,689.0	0.00	70.00	0.00	0	0		
									point53	53	6,554,180.0	1,873,708.0	0.00	70.00	0.00	0	0		
									point54	54	6,554,170.5	1,873,708.0	0.00	70.00	0.00	0	0		
									point55	55	6,554,170.5	1,873,734.9	0.00	70.00	0.00	0	0		
									point56	56	6,554,158.5	1,873,734.9	0.00	70.00	0.00	0	0		
									point57	57	6,554,158.5	1,873,895.8	0.00	70.00	0.00	0	0		
									point58	58	6,554,301.0	1,873,901.0	0.00	70.00	0.00	0	0		
									point59	59	6,554,301.0	1,873,924.5	0.00	70.00	0.00	0	0		
									point60	60	6,554,364.5	1,873,924.5	0.00	70.00					
Barrier6	W	0.00	99.99	0.00				0.00	point61	61	6,554,463.5	1,873,782.8	0.00	50.00	0.00	0	0		
									point62	62	6,554,563.5	1,873,781.0	0.00	50.00	0.00	0	0		
									point63	63	6,554,563.5	1,873,680.5	0.00	50.00	0.00	0	0		
									point64	64	6,554,633.0	1,873,680.5	0.00	50.00	0.00	0	0		
									point65	65	6,554,629.0	1,873,808.4	0.00	50.00	0.00	0	0		
									point66	66	6,554,582.0	1,873,839.0	0.00	50.00	0.00	0	0		
									point67	67	6,554,463.5	1,873,839.0	0.00	50.00	0.00	0	0		
									point68	68	6,554,463.5	1,873,782.8	0.00	50.00					
Barrier7	W	0.00	99.99	0.00				0.00	point69	69	6,554,338.0	1,874,058.5	0.00	30.00	0.00	0	0		
									point70	70	6,554,338.0	1,874,104.6	0.00	30.00	0.00	0	0		
									point71	71	6,554,082.5	1,874,101.0	0.00	30.00	0.00	0	0		
									point72	72	6,554,082.5	1,874,055.0	0.00	30.00					
Barrier8	W	0.00	99.99	0.00				0.00	point73	73	6,554,705.5	1,873,909.5	0.00	30.00	0.00	0	0		
									point74	74	6,554,709.5	1,873,910.8	0.00	30.00	0.00	0	0		
									point75	75	6,554,709.5	1,874,074.0	0.00	30.00	0.00	0	0		
									point76	76	6,554,382.0	1,874,069.1	0.00	30.00	0.00	0	0		
									point77	77	6,554,382.0	1,873,991.5	0.00	30.00					
Barrier9	W	0.00	99.99	0.00				0.00	point78	78	6,554,887.5	1,873,916.6	0.00	30.00	0.00	0	0		
									point79	79	6,554,887.5	1,873,954.4	0.00	30.00	0.00	0	0		
									point80	80	6,554,860.5	1,873,954.4	0.00	30.00	0.00	0	0		
									point81	81	6,554,860.5	1,873,981.9	0.00	30.00	0.00	0	0		
									point82	82	6,554,821.5	1,873,981.9	0.00	30.00	0.00	0	0		
									point83	83	6,554,821.5	1,873,912.2	0.00	30.00					

Barrier10	W	0.00	99.99	0.00				0.00	point84	84	6,555,111.0	1,873,969.5	0.00	15.00	0.00	0	0		
									point85	85	6,555,111.0	1,874,083.1	0.00	15.00	0.00	0	0		
									point86	86	6,554,986.0	1,874,083.1	0.00	15.00	0.00	0	0		
									point87	87	6,554,986.0	1,874,073.1	0.00	15.00	0.00	0	0		
									point88	88	6,555,076.0	1,873,963.9	0.00	15.00					
Barrier11	W	0.00	99.99	0.00				0.00	point89	89	6,555,334.0	1,873,968.2	0.00	30.00	0.00	0	0		
									point90	90	6,555,334.0	1,874,086.8	0.00	30.00	0.00	0	0		
									point91	91	6,555,177.0	1,874,086.8	0.00	30.00	0.00	0	0		
									point92	92	6,555,177.0	1,873,966.6	0.00	30.00					

Dudek **18 November 2022**
CM **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Derby**
RUN: **Ex**

Roadway	**Points**											
Name	**Name**	**No.**	**Segment**									
			Autos		**MTrucks**		**HTrucks**		**Buses**		**Motorcycles**	
			V	**S**	**V**	**S**	**V**	**S**	**V**	**S**	**V**	**S**
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Huntington EB | W of 2nd	point6	6	1580	30	33	30	16	30	0	0	0	0
	point5	5	1580	30	33	30	16	30	0	0	0	0
	point4	4	1580	30	33	30	16	30	0	0	0	0
	point3	3	1580	30	33	30	16	30	0	0	0	0
	point2	2	1580	30	33	30	16	30	0	0	0	0
	point1	1										
Huntington EB | 2nd-Gateway	point14	14	1580	30	33	30	16	30	0	0	0	0
	point13	13	1580	30	33	30	16	30	0	0	0	0
	point12	12	1580	30	33	30	16	30	0	0	0	0
	point11	11	1580	30	33	30	16	30	0	0	0	0
	point10	10	1580	30	33	30	16	30	0	0	0	0
	point9	9	1580	30	33	30	16	30	0	0	0	0
	point8	8	1580	30	33	30	16	30	0	0	0	0
	point7	7										
Huntington EB | Gateway-Fifth	point22	22	1580	30	33	30	16	30	0	0	0	0
	point21	21	1580	30	33	30	16	30	0	0	0	0
	point20	20	1580	30	33	30	16	30	0	0	0	0
	point19	19	1580	30	33	30	16	30	0	0	0	0
	point18	18	1580	30	33	30	16	30	0	0	0	0
	point17	17	1580	30	33	30	16	30	0	0	0	0
	point16	16	1580	30	33	30	16	30	0	0	0	0
	point15	15										
Huntington WB | Fifth-Gateway	point30	30	1580	30	33	30	16	30	0	0	0	0

	point29	29	1580	30	33	30	16	30	0	0	0	0
	point28	28	1580	30	33	30	16	30	0	0	0	0
	point27	27	1580	30	33	30	16	30	0	0	0	0
	point26	26	1580	30	33	30	16	30	0	0	0	0
	point25	25	1580	30	33	30	16	30	0	0	0	0
	point24	24	1580	30	33	30	16	30	0	0	0	0
	point23	23										
Huntington WB | Gateway-2nd	point38	38	1580	30	33	30	16	30	0	0	0	0
	point37	37	1580	30	33	30	16	30	0	0	0	0
	point36	36	1580	30	33	30	16	30	0	0	0	0
	point35	35	1580	30	33	30	16	30	0	0	0	0
	point34	34	1580	30	33	30	16	30	0	0	0	0
	point33	33	1580	30	33	30	16	30	0	0	0	0
	point32	32	1580	30	33	30	16	30	0	0	0	0
	point31	31										
Huntington WB | W of 2nd	point45	45	1580	30	33	30	16	30	0	0	0	0
	point44	44	1580	30	33	30	16	30	0	0	0	0
	point43	43	1580	30	33	30	16	30	0	0	0	0
	point42	42	1580	30	33	30	16	30	0	0	0	0
	point41	41	1580	30	33	30	16	30	0	0	0	0
	point40	40	1580	30	33	30	16	30	0	0	0	0
	point39	39										
Gateway	point46	46	0	0	0	0	0	0	0	0	0	0
	point47	47	0	0	0	0	0	0	0	0	0	0
	point48	48	0	0	0	0	0	0	0	0	0	0
	point49	49	0	0	0	0	0	0	0	0	0	0
	point50	50	0	0	0	0	0	0	0	0	0	0
	point51	51										
2nd NB | S of Huntington	point56	56	417	35	9	35	4	35	0	0	0	0
	point55	55	417	35	9	35	4	35	0	0	0	0
	point54	54	417	35	9	35	4	35	0	0	0	0
	point53	53	417	35	9	35	4	35	0	0	0	0
	point52	52										
2nd NB | Huntington-Santa Clara	point65	65	417	35	9	35	4	35	0	0	0	0
	point64	64	417	35	9	35	4	35	0	0	0	0
	point63	63	417	35	9	35	4	35	0	0	0	0

	point62	62	417	35	9	35	4	35	0	0	0	0
	point61	61	417	35	9	35	4	35	0	0	0	0
	point60	60	417	35	9	35	4	35	0	0	0	0
	point59	59	417	35	9	35	4	35	0	0	0	0
	point58	58	417	35	9	35	4	35	0	0	0	0
	point57	57										
2nd SB | Santa Clara-Huntington	point74	74	417	35	9	35	4	35	0	0	0	0
	point73	73	417	35	9	35	4	35	0	0	0	0
	point72	72	417	35	9	35	4	35	0	0	0	0
	point71	71	417	35	9	35	4	35	0	0	0	0
	point70	70	417	35	9	35	4	35	0	0	0	0
	point69	69	417	35	9	35	4	35	0	0	0	0
	point68	68	417	35	9	35	4	35	0	0	0	0
	point67	67										
2nd SB | S of Huntington	point80	80	417	35	9	35	4	35	0	0	0	0
	point79	79	417	35	9	35	4	35	0	0	0	0
	point78	78	417	35	9	35	4	35	0	0	0	0
	point77	77	417	35	9	35	4	35	0	0	0	0
	point76	76										
Santa Clara EB | 2nd-Fifth	point97	97	291	30	6	30	3	30	0	0	0	0
	point96	96	291	30	6	30	3	30	0	0	0	0
	point95	95	291	30	6	30	3	30	0	0	0	0
	point94	94	291	30	6	30	3	30	0	0	0	0
	point93	93	291	30	6	30	3	30	0	0	0	0
	point92	92	291	30	6	30	3	30	0	0	0	0
	point91	91	291	30	6	30	3	30	0	0	0	0
	point90	90	291	30	6	30	3	30	0	0	0	0
	point89	89	291	30	6	30	3	30	0	0	0	0
	point88	88	291	30	6	30	3	30	0	0	0	0
	point87	87	291	30	6	30	3	30	0	0	0	0
	point86	86	291	30	6	30	3	30	0	0	0	0
	point85	85	291	30	6	30	3	30	0	0	0	0
	point84	84	291	30	6	30	3	30	0	0	0	0
	point83	83	291	30	6	30	3	30	0	0	0	0
	point82	82										
Santa Clara WB | Fifth-2nd	point114	114	291	30	6	30	3	30	0	0	0	0

	point113	113	291	30	6	30	3	30	0	0	0	0
	point112	112	291	30	6	30	3	30	0	0	0	0
	point111	111	291	30	6	30	3	30	0	0	0	0
	point110	110	291	30	6	30	3	30	0	0	0	0
	point109	109	291	30	6	30	3	30	0	0	0	0
	point108	108	291	30	6	30	3	30	0	0	0	0
	point107	107	291	30	6	30	3	30	0	0	0	0
	point106	106	291	30	6	30	3	30	0	0	0	0
	point105	105	291	30	6	30	3	30	0	0	0	0
	point104	104	291	30	6	30	3	30	0	0	0	0
	point103	103	291	30	6	30	3	30	0	0	0	0
	point102	102	291	30	6	30	3	30	0	0	0	0
	point101	101	291	30	6	30	3	30	0	0	0	0
	point100	100	291	30	6	30	3	30	0	0	0	0
	point99	99	291	30	6	30	3	30	0	0	0	0
	point98	98										

Dudek
CM
18 November 2022
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: Derby
RUN: Ex
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
R1	1	1	0.0	55.9	66	55.9	10	----	55.9	0.0	8	-8.0
R2	2	1	0.0	55.0	66	55.0	10	----	55.0	0.0	8	-8.0
R3 / ST2	3	1	0.0	50.7	66	50.7	10	----	50.7	0.0	8	-8.0
R4	4	1	0.0	48.0	66	48.0	10	----	48.0	0.0	8	-8.0
R5	5	1	0.0	64.1	66	64.1	10	----	64.1	0.0	8	-8.0
R6	6	1	0.0	62.7	66	62.7	10	----	62.7	0.0	8	-8.0
R7	7	1	0.0	65.0	66	65.0	10	----	65.0	0.0	8	-8.0
R8 / ST1	8	1	0.0	70.3	66	70.3	10	Snd Lvl	70.3	0.0	8	-8.0
R9	9	1	0.0	67.9	66	67.9	10	Snd Lvl	67.9	0.0	8	-8.0
R10 / ST3	11	1	0.0	72.2	66	72.2	10	Snd Lvl	72.2	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	10	0.0	0.0	0.0
All Impacted	3	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

Dudek **18 November 2022**
CM **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Derby**
RUN: **Ex+Project**

Roadway	Points		Segment									
Name	Name	No.	Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Huntington EB | W of 2nd	point6	6	1685	30	35	30	17	30	0	0	0	0
	point5	5	1685	30	35	30	17	30	0	0	0	0
	point4	4	1685	30	35	30	17	30	0	0	0	0
	point3	3	1685	30	35	30	17	30	0	0	0	0
	point2	2	1685	30	35	30	17	30	0	0	0	0
	point1	1										
Huntington EB | 2nd-Gateway	point14	14	1685	30	35	30	17	30	0	0	0	0
	point13	13	1685	30	35	30	17	30	0	0	0	0
	point12	12	1685	30	35	30	17	30	0	0	0	0
	point11	11	1685	30	35	30	17	30	0	0	0	0
	point10	10	1685	30	35	30	17	30	0	0	0	0
	point9	9	1685	30	35	30	17	30	0	0	0	0
	point8	8	1685	30	35	30	17	30	0	0	0	0
	point7	7										
Huntington EB | Gateway-Fifth	point22	22	1685	30	35	30	17	30	0	0	0	0
	point21	21	1685	30	35	30	17	30	0	0	0	0
	point20	20	1685	30	35	30	17	30	0	0	0	0
	point19	19	1685	30	35	30	17	30	0	0	0	0
	point18	18	1685	30	35	30	17	30	0	0	0	0
	point17	17	1685	30	35	30	17	30	0	0	0	0
	point16	16	1685	30	35	30	17	30	0	0	0	0
	point15	15										
Huntington WB | Fifth-Gateway	point30	30	1685	30	35	30	17	30	0	0	0	0

	point29	29	1685	30	35	30	17	30	0	0	0	0
	point28	28	1685	30	35	30	17	30	0	0	0	0
	point27	27	1685	30	35	30	17	30	0	0	0	0
	point26	26	1685	30	35	30	17	30	0	0	0	0
	point25	25	1685	30	35	30	17	30	0	0	0	0
	point24	24	1685	30	35	30	17	30	0	0	0	0
	point23	23										
Huntington WB | Gateway-2nd	point38	38	1685	30	35	30	17	30	0	0	0	0
	point37	37	1685	30	35	30	17	30	0	0	0	0
	point36	36	1685	30	35	30	17	30	0	0	0	0
	point35	35	1685	30	35	30	17	30	0	0	0	0
	point34	34	1685	30	35	30	17	30	0	0	0	0
	point33	33	1685	30	35	30	17	30	0	0	0	0
	point32	32	1685	30	35	30	17	30	0	0	0	0
	point31	31										
Huntington WB | W of 2nd	point45	45	1685	30	35	30	17	30	0	0	0	0
	point44	44	1685	30	35	30	17	30	0	0	0	0
	point43	43	1685	30	35	30	17	30	0	0	0	0
	point42	42	1685	30	35	30	17	30	0	0	0	0
	point41	41	1685	30	35	30	17	30	0	0	0	0
	point40	40	1685	30	35	30	17	30	0	0	0	0
	point39	39										
Gateway	point46	46	0	0	0	0	0	0	0	0	0	0
	point47	47	0	0	0	0	0	0	0	0	0	0
	point48	48	0	0	0	0	0	0	0	0	0	0
	point49	49	0	0	0	0	0	0	0	0	0	0
	point50	50	0	0	0	0	0	0	0	0	0	0
	point51	51										
2nd NB | S of Huntington	point56	56	522	35	11	35	5	35	0	0	0	0
	point55	55	522	35	11	35	5	35	0	0	0	0
	point54	54	522	35	11	35	5	35	0	0	0	0
	point53	53	522	35	11	35	5	35	0	0	0	0
	point52	52										
2nd NB | Huntington-Santa Clara	point65	65	522	35	11	35	5	35	0	0	0	0
	point64	64	522	35	11	35	5	35	0	0	0	0
	point63	63	522	35	11	35	5	35	0	0	0	0

	point62	62	522	35	11	35	5	35	0	0	0	0
	point61	61	522	35	11	35	5	35	0	0	0	0
	point60	60	522	35	11	35	5	35	0	0	0	0
	point59	59	522	35	11	35	5	35	0	0	0	0
	point58	58	522	35	11	35	5	35	0	0	0	0
	point57	57										
2nd SB | Santa Clara-Huntington	point74	74	522	35	11	35	5	35	0	0	0	0
	point73	73	522	35	11	35	5	35	0	0	0	0
	point72	72	522	35	11	35	5	35	0	0	0	0
	point71	71	522	35	11	35	5	35	0	0	0	0
	point70	70	522	35	11	35	5	35	0	0	0	0
	point69	69	522	35	11	35	5	35	0	0	0	0
	point68	68	522	35	11	35	5	35	0	0	0	0
	point67	67										
2nd SB | S of Huntington	point80	80	522	35	11	35	5	35	0	0	0	0
	point79	79	522	35	11	35	5	35	0	0	0	0
	point78	78	522	35	11	35	5	35	0	0	0	0
	point77	77	522	35	11	35	5	35	0	0	0	0
	point76	76										
Santa Clara EB | 2nd-Fifth	point97	97	396	30	8	30	4	30	0	0	0	0
	point96	96	396	30	8	30	4	30	0	0	0	0
	point95	95	396	30	8	30	4	30	0	0	0	0
	point94	94	396	30	8	30	4	30	0	0	0	0
	point93	93	396	30	8	30	4	30	0	0	0	0
	point92	92	396	30	8	30	4	30	0	0	0	0
	point91	91	396	30	8	30	4	30	0	0	0	0
	point90	90	396	30	8	30	4	30	0	0	0	0
	point89	89	396	30	8	30	4	30	0	0	0	0
	point88	88	396	30	8	30	4	30	0	0	0	0
	point87	87	396	30	8	30	4	30	0	0	0	0
	point86	86	396	30	8	30	4	30	0	0	0	0
	point85	85	396	30	8	30	4	30	0	0	0	0
	point84	84	396	30	8	30	4	30	0	0	0	0
	point83	83	396	30	8	30	4	30	0	0	0	0
	point82	82										
Santa Clara WB | Fifth-2nd	point114	114	396	30	8	30	4	30	0	0	0	0

	point113	113	396	30	8	30	4	30	0	0	0	0
	point112	112	396	30	8	30	4	30	0	0	0	0
	point111	111	396	30	8	30	4	30	0	0	0	0
	point110	110	396	30	8	30	4	30	0	0	0	0
	point109	109	396	30	8	30	4	30	0	0	0	0
	point108	108	396	30	8	30	4	30	0	0	0	0
	point107	107	396	30	8	30	4	30	0	0	0	0
	point106	106	396	30	8	30	4	30	0	0	0	0
	point105	105	396	30	8	30	4	30	0	0	0	0
	point104	104	396	30	8	30	4	30	0	0	0	0
	point103	103	396	30	8	30	4	30	0	0	0	0
	point102	102	396	30	8	30	4	30	0	0	0	0
	point101	101	396	30	8	30	4	30	0	0	0	0
	point100	100	396	30	8	30	4	30	0	0	0	0
	point99	99	396	30	8	30	4	30	0	0	0	0
	point98	98										

Dudek
CM
18 November 2022
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: Derby
RUN: Ex+Project
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
R1	1	1	0.0	57.1	66	57.1	10	----	57.1	0.0	8	-8.0
R2	2	1	0.0	56.0	66	56.0	10	----	56.0	0.0	8	-8.0
R3 / ST2	3	1	0.0	51.2	66	51.2	10	----	51.2	0.0	8	-8.0
R4	4	1	0.0	48.7	66	48.7	10	----	48.7	0.0	8	-8.0
R5	5	1	0.0	64.8	66	64.8	10	----	64.8	0.0	8	-8.0
R6	6	1	0.0	63.6	66	63.6	10	----	63.6	0.0	8	-8.0
R7	7	1	0.0	65.6	66	65.6	10	----	65.6	0.0	8	-8.0
R8 / ST1	8	1	0.0	70.9	66	70.9	10	Snd Lvl	70.9	0.0	8	-8.0
R9	9	1	0.0	68.3	66	68.3	10	Snd Lvl	68.3	0.0	8	-8.0
R10 / ST3	12	1	0.0	72.5	66	72.5	10	Snd Lvl	72.5	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	10	0.0	0.0	0.0
All Impacted	3	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

Dudek **18 November 2022**
CM **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Derby**
RUN: **Validation - ST1**

Roadway	Points		Segment									
Name	Name	No.	Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Huntington EB | W of 2nd	point6	6	1016	30	4	30	4	30	0	0	0	0
	point5	5	1016	30	4	30	4	30	0	0	0	0
	point4	4	1016	30	4	30	4	30	0	0	0	0
	point3	3	1016	30	4	30	4	30	0	0	0	0
	point2	2	1016	30	4	30	4	30	0	0	0	0
	point1	1										
Huntington EB | 2nd-Gateway	point14	14	1116	30	4	30	4	30	0	0	0	0
	point13	13	1116	30	4	30	4	30	0	0	0	0
	point12	12	1116	30	4	30	4	30	0	0	0	0
	point11	11	1116	30	4	30	4	30	0	0	0	0
	point10	10	1116	30	4	30	4	30	0	0	0	0
	point9	9	1116	30	4	30	4	30	0	0	0	0
	point8	8	1116	30	4	30	4	30	0	0	0	0
	point7	7										
Huntington EB | Gateway-Fifth	point22	22	0	0	0	0	0	0	0	0	0	0
	point21	21	0	0	0	0	0	0	0	0	0	0
	point20	20	0	0	0	0	0	0	0	0	0	0
	point19	19	0	0	0	0	0	0	0	0	0	0
	point18	18	0	0	0	0	0	0	0	0	0	0
	point17	17	0	0	0	0	0	0	0	0	0	0
	point16	16	0	0	0	0	0	0	0	0	0	0
	point15	15										
Huntington WB | Fifth-Gateway	point30	30	0	0	0	0	0	0	0	0	0	0

	point29	29	0	0	0	0	0	0	0	0	0	0
	point28	28	0	0	0	0	0	0	0	0	0	0
	point27	27	0	0	0	0	0	0	0	0	0	0
	point26	26	0	0	0	0	0	0	0	0	0	0
	point25	25	0	0	0	0	0	0	0	0	0	0
	point24	24	0	0	0	0	0	0	0	0	0	0
	point23	23										
Huntington WB | Gateway-2nd	point38	38	1072	30	0	0	0	0	4	30	4	30
	point37	37	1072	30	0	0	0	0	4	30	4	30
	point36	36	1072	30	0	0	0	0	4	30	4	30
	point35	35	1072	30	0	0	0	0	4	30	4	30
	point34	34	1072	30	0	0	0	0	4	30	4	30
	point33	33	1072	30	0	0	0	0	4	30	4	30
	point32	32	1072	30	0	0	0	0	4	30	4	30
	point31	31										
Huntington WB | W of 2nd	point45	45	952	30	0	0	0	0	4	30	4	30
	point44	44	952	30	0	0	0	0	4	30	4	30
	point43	43	952	30	0	0	0	0	4	30	4	30
	point42	42	952	30	0	0	0	0	4	30	4	30
	point41	41	952	30	0	0	0	0	4	30	4	30
	point40	40	952	30	0	0	0	0	4	30	4	30
	point39	39										
Gateway	point46	46	0	0	0	0	0	0	0	0	0	0
	point47	47	0	0	0	0	0	0	0	0	0	0
	point48	48	0	0	0	0	0	0	0	0	0	0
	point49	49	0	0	0	0	0	0	0	0	0	0
	point50	50	0	0	0	0	0	0	0	0	0	0
	point51	51										
2nd NB | S of Huntington	point56	56	388	35	0	0	0	0	0	0	0	0
	point55	55	388	35	0	0	0	0	0	0	0	0
	point54	54	388	35	0	0	0	0	0	0	0	0
	point53	53	388	35	0	0	0	0	0	0	0	0
	point52	52										
2nd NB | Huntington-Santa Clara	point65	65	392	35	0	0	0	0	0	0	0	0
	point64	64	392	35	0	0	0	0	0	0	0	0
	point63	63	392	35	0	0	0	0	0	0	0	0

	point62	62	392	35	0	0	0	0	0	0	0	0
	point61	61	392	35	0	0	0	0	0	0	0	0
	point60	60	392	35	0	0	0	0	0	0	0	0
	point59	59	392	35	0	0	0	0	0	0	0	0
	point58	58	392	35	0	0	0	0	0	0	0	0
	point57	57										
2nd SB | Santa Clara-Huntington	point74	74	248	35	0	0	0	0	0	0	0	0
	point73	73	248	35	0	0	0	0	0	0	0	0
	point72	72	248	35	0	0	0	0	0	0	0	0
	point71	71	248	35	0	0	0	0	0	0	0	0
	point70	70	248	35	0	0	0	0	0	0	0	0
	point69	69	248	35	0	0	0	0	0	0	0	0
	point68	68	248	35	0	0	0	0	0	0	0	0
	point67	67										
2nd SB | S of Huntington	point80	80	420	35	0	0	0	0	0	0	0	0
	point79	79	420	35	0	0	0	0	0	0	0	0
	point78	78	420	35	0	0	0	0	0	0	0	0
	point77	77	420	35	0	0	0	0	0	0	0	0
	point76	76										
Santa Clara EB | 2nd-Fifth	point97	97	0	0	0	0	0	0	0	0	0	0
	point96	96	0	0	0	0	0	0	0	0	0	0
	point95	95	0	0	0	0	0	0	0	0	0	0
	point94	94	0	0	0	0	0	0	0	0	0	0
	point93	93	0	0	0	0	0	0	0	0	0	0
	point92	92	0	0	0	0	0	0	0	0	0	0
	point91	91	0	0	0	0	0	0	0	0	0	0
	point90	90	0	0	0	0	0	0	0	0	0	0
	point89	89	0	0	0	0	0	0	0	0	0	0
	point88	88	0	0	0	0	0	0	0	0	0	0
	point87	87	0	0	0	0	0	0	0	0	0	0
	point86	86	0	0	0	0	0	0	0	0	0	0
	point85	85	0	0	0	0	0	0	0	0	0	0
	point84	84	0	0	0	0	0	0	0	0	0	0
	point83	83	0	0	0	0	0	0	0	0	0	0
	point82	82										
Santa Clara WB | Fifth-2nd	point114	114	0	0	0	0	0	0	0	0	0	0

	point113	113	0	0	0	0	0	0	0	0	0	0
	point112	112	0	0	0	0	0	0	0	0	0	0
	point111	111	0	0	0	0	0	0	0	0	0	0
	point110	110	0	0	0	0	0	0	0	0	0	0
	point109	109	0	0	0	0	0	0	0	0	0	0
	point108	108	0	0	0	0	0	0	0	0	0	0
	point107	107	0	0	0	0	0	0	0	0	0	0
	point106	106	0	0	0	0	0	0	0	0	0	0
	point105	105	0	0	0	0	0	0	0	0	0	0
	point104	104	0	0	0	0	0	0	0	0	0	0
	point103	103	0	0	0	0	0	0	0	0	0	0
	point102	102	0	0	0	0	0	0	0	0	0	0
	point101	101	0	0	0	0	0	0	0	0	0	0
	point100	100	0	0	0	0	0	0	0	0	0	0
	point99	99	0	0	0	0	0	0	0	0	0	0
	point98	98										

Dudek
CM
18 November 2022
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: Derby
RUN: Validation - ST1
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Noise Reduction Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
R1	1	1	0.0	34.6	66	34.6	10	----	34.6	0.0	8	-8.0
R2	2	1	0.0	43.9	66	43.9	10	----	43.9	0.0	8	-8.0
R3 / ST2	3	1	0.0	47.7	66	47.7	10	----	47.7	0.0	8	-8.0
R4	4	1	0.0	45.3	66	45.3	10	----	45.3	0.0	8	-8.0
R5	5	1	0.0	61.4	66	61.4	10	----	61.4	0.0	8	-8.0
R6	6	1	0.0	59.4	66	59.4	10	----	59.4	0.0	8	-8.0
R7	7	1	0.0	62.1	66	62.1	10	----	62.1	0.0	8	-8.0
R8 / ST1	8	1	0.0	67.6	66	67.6	10	Snd Lvl	67.6	0.0	8	-8.0
R9	9	1	0.0	64.8	66	64.8	10	----	64.8	0.0	8	-8.0
R10 / ST3	12	1	0.0	67.5	66	67.5	10	Snd Lvl	67.5	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	10	0.0	0.0	0.0
All Impacted	2	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

Dudek **18 November 2022**
CM **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Derby**
RUN: **Validation - ST3**

Roadway	Points		Segment									
Name	Name	No.	Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Huntington EB | W of 2nd	point6	6	0	0	0	0	0	0	0	0	0	0
	point5	5	0	0	0	0	0	0	0	0	0	0
	point4	4	0	0	0	0	0	0	0	0	0	0
	point3	3	0	0	0	0	0	0	0	0	0	0
	point2	2	0	0	0	0	0	0	0	0	0	0
	point1	1										
Huntington EB | 2nd-Gateway	point14	14	1160	30	8	30	4	30	8	30	0	0
	point13	13	1160	30	8	30	4	30	8	30	0	0
	point12	12	1160	30	8	30	4	30	8	30	0	0
	point11	11	1160	30	8	30	4	30	8	30	0	0
	point10	10	1160	30	8	30	4	30	8	30	0	0
	point9	9	1160	30	8	30	4	30	8	30	0	0
	point8	8	1160	30	8	30	4	30	8	30	0	0
	point7	7										
Huntington EB | Gateway-Fifth	point22	22	1100	30	8	30	4	30	8	30	0	0
	point21	21	1100	30	8	30	4	30	8	30	0	0
	point20	20	1100	30	8	30	4	30	8	30	0	0
	point19	19	1100	30	8	30	4	30	8	30	0	0
	point18	18	1100	30	8	30	4	30	8	30	0	0
	point17	17	1100	30	8	30	4	30	8	30	0	0
	point16	16	1100	30	8	30	4	30	8	30	0	0
	point15	15										
Huntington WB | Fifth-Gateway	point30	30	1344	30	4	30	4	30	8	30	0	0

	point29	29	1344	30	4	30	4	30	8	30	0	0
	point28	28	1344	30	4	30	4	30	8	30	0	0
	point27	27	1344	30	4	30	4	30	8	30	0	0
	point26	26	1344	30	4	30	4	30	8	30	0	0
	point25	25	1344	30	4	30	4	30	8	30	0	0
	point24	24	1344	30	4	30	4	30	8	30	0	0
	point23	23										
Huntington WB | Gateway-2nd	point38	38	1084	30	4	30	4	30	8	30	0	0
	point37	37	1084	30	4	30	4	30	8	30	0	0
	point36	36	1084	30	4	30	4	30	8	30	0	0
	point35	35	1084	30	4	30	4	30	8	30	0	0
	point34	34	1084	30	4	30	4	30	8	30	0	0
	point33	33	1084	30	4	30	4	30	8	30	0	0
	point32	32	1084	30	4	30	4	30	8	30	0	0
	point31	31										
Huntington WB | W of 2nd	point45	45	0	0	0	0	0	0	0	0	0	0
	point44	44	0	0	0	0	0	0	0	0	0	0
	point43	43	0	0	0	0	0	0	0	0	0	0
	point42	42	0	0	0	0	0	0	0	0	0	0
	point41	41	0	0	0	0	0	0	0	0	0	0
	point40	40	0	0	0	0	0	0	0	0	0	0
	point39	39										
Gateway	point46	46	100	25	0	0	0	0	0	0	0	0
	point47	47	100	25	0	0	0	0	0	0	0	0
	point48	48	100	25	0	0	0	0	0	0	0	0
	point49	49	100	25	0	0	0	0	0	0	0	0
	point50	50	100	25	0	0	0	0	0	0	0	0
	point51	51										
2nd NB | S of Huntington	point56	56	0	0	0	0	0	0	0	0	0	0
	point55	55	0	0	0	0	0	0	0	0	0	0
	point54	54	0	0	0	0	0	0	0	0	0	0
	point53	53	0	0	0	0	0	0	0	0	0	0
	point52	52										
2nd NB | Huntington-Santa Clara	point65	65	0	0	0	0	0	0	0	0	0	0
	point64	64	0	0	0	0	0	0	0	0	0	0
	point63	63	0	0	0	0	0	0	0	0	0	0

	point62	62	0	0	0	0	0	0	0	0	0	0
	point61	61	0	0	0	0	0	0	0	0	0	0
	point60	60	0	0	0	0	0	0	0	0	0	0
	point59	59	0	0	0	0	0	0	0	0	0	0
	point58	58	0	0	0	0	0	0	0	0	0	0
	point57	57										
2nd SB | Santa Clara-Huntington	point74	74	0	0	0	0	0	0	0	0	0	0
	point73	73	0	0	0	0	0	0	0	0	0	0
	point72	72	0	0	0	0	0	0	0	0	0	0
	point71	71	0	0	0	0	0	0	0	0	0	0
	point70	70	0	0	0	0	0	0	0	0	0	0
	point69	69	0	0	0	0	0	0	0	0	0	0
	point68	68	0	0	0	0	0	0	0	0	0	0
	point67	67										
2nd SB | S of Huntington	point80	80	0	0	0	0	0	0	0	0	0	0
	point79	79	0	0	0	0	0	0	0	0	0	0
	point78	78	0	0	0	0	0	0	0	0	0	0
	point77	77	0	0	0	0	0	0	0	0	0	0
	point76	76										
Santa Clara EB | 2nd-Fifth	point97	97	0	0	0	0	0	0	0	0	0	0
	point96	96	0	0	0	0	0	0	0	0	0	0
	point95	95	0	0	0	0	0	0	0	0	0	0
	point94	94	0	0	0	0	0	0	0	0	0	0
	point93	93	0	0	0	0	0	0	0	0	0	0
	point92	92	0	0	0	0	0	0	0	0	0	0
	point91	91	0	0	0	0	0	0	0	0	0	0
	point90	90	0	0	0	0	0	0	0	0	0	0
	point89	89	0	0	0	0	0	0	0	0	0	0
	point88	88	0	0	0	0	0	0	0	0	0	0
	point87	87	0	0	0	0	0	0	0	0	0	0
	point86	86	0	0	0	0	0	0	0	0	0	0
	point85	85	0	0	0	0	0	0	0	0	0	0
	point84	84	0	0	0	0	0	0	0	0	0	0
	point83	83	0	0	0	0	0	0	0	0	0	0
	point82	82										
Santa Clara WB | Fifth-2nd	point114	114	0	0	0	0	0	0	0	0	0	0

	point113	113	0	0	0	0	0	0	0	0	0	0
	point112	112	0	0	0	0	0	0	0	0	0	0
	point111	111	0	0	0	0	0	0	0	0	0	0
	point110	110	0	0	0	0	0	0	0	0	0	0
	point109	109	0	0	0	0	0	0	0	0	0	0
	point108	108	0	0	0	0	0	0	0	0	0	0
	point107	107	0	0	0	0	0	0	0	0	0	0
	point106	106	0	0	0	0	0	0	0	0	0	0
	point105	105	0	0	0	0	0	0	0	0	0	0
	point104	104	0	0	0	0	0	0	0	0	0	0
	point103	103	0	0	0	0	0	0	0	0	0	0
	point102	102	0	0	0	0	0	0	0	0	0	0
	point101	101	0	0	0	0	0	0	0	0	0	0
	point100	100	0	0	0	0	0	0	0	0	0	0
	point99	99	0	0	0	0	0	0	0	0	0	0
	point98	98										

Dudek
CM
18 November 2022
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: Derby
RUN: Validation - ST3
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Noise Reduction Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
R1	1	1	0.0	45.8	66	45.8	10	----	45.8	0.0	8	-8.0
R2	2	1	0.0	48.6	66	48.6	10	----	48.6	0.0	8	-8.0
R3 / ST2	3	1	0.0	31.4	66	31.4	10	----	31.4	0.0	8	-8.0
R4	4	1	0.0	29.9	66	29.9	10	----	29.9	0.0	8	-8.0
R5	5	1	0.0	56.7	66	56.7	10	----	56.7	0.0	8	-8.0
R6	6	1	0.0	50.1	66	50.1	10	----	50.1	0.0	8	-8.0
R7	7	1	0.0	56.3	66	56.3	10	----	56.3	0.0	8	-8.0
R8 / ST1	8	1	0.0	65.1	66	65.1	10	----	65.1	0.0	8	-8.0
R9	9	1	0.0	65.0	66	65.0	10	----	65.0	0.0	8	-8.0
R10 / ST3	12	1	0.0	69.8	66	69.8	10	Snd Lvl	69.8	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	10	0.0	0.0	0.0
All Impacted	1	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

Appendix H-3

Construction Noise Model Worksheets, prepared by Dudek

To User: bordered cells are inputs, unbordered cells have formulae

noise level limit for construction phase, per Cal/OSHA guidance "action level" = 85

allowable hours over which Leq is to be averaged = 8

= temporary barrier (TB) of input height inserted between source and receptor

Construction Activity	Equipment	Total Equipment Qty	AUF % (from FHWA RCNM)	Reference Lmax @ 50 ft. from FHWA RCNM	Client Equipment Description, Data Source and/or Notes	Source to NSR Distance (ft.)	*Temporary Barrier Insertion Loss (dB)*	*Additional Noise Reduction*	Distance-Adjusted Lmax	Allowable Operation Time (hours)	Allowable Operation Time (minutes)	Predicted 8-hour Leq	Source Elevation (ft)	Receiver Elevation (ft)	Barrier Height (ft)	Source to Barr. ("A") Horiz. (ft)	Rcvr. to Barr. ("B") Horiz. (ft)	Source to Rcvr. ("C") Horiz. (ft)	"A" (ft)	"B" (ft)	"C" (ft)	Path Length Diff. "P" (ft)	Abarr (dB)	Heff (with barrier)	Heff (wout barrier)	G (with barrier)	G (without barrier)	ILbarr (dB)
Demolition	concrete saw	1	20	90	Concrete/Industrial Saws	25	0.1		95.9	8	480	89	5	5	0	20	5	25	20.6	7.1	25.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	dozer	1	40	82	Rubber Tired Dozers	125	0.1		71.0	8	480	67	5	5	0	120	5	125	120.1	7.1	125.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	tractor	1	40	84	Tractors/Loaders/Backhoes	75	0.1		79.6	8	480	76	5	5	0	70	5	75	70.2	7.1	75.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
									Total for Demolition Phase:			89.2																
Site Preparation	grader	1	40	85	Graders	25	0.1		90.9	8	480	87	5	5	0	20	5	25	20.6	7.1	25.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	scraper	1	40	84	Scrapers	75	0.1		79.6	8	480	76	5	5	0	70	5	75	70.2	7.1	75.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	tractor	1	40	84	Tractors/Loaders/Backhoes	125	0.1		73.0	7	420	68	5	5	0	120	5	125	120.1	7.1	125.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
									Total for Site Preparation Phase:			87.3																
Grading	grader	1	40	85	Graders	25	0.1		90.9	8	480	87	5	5	0	20	5	25	20.6	7.1	25.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	dozer	1	40	82	Rubber Tired Dozers	125	0.1		71.0	8	480	67	5	5	0	120	5	125	120.1	7.1	125.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	tractor	1	40	84	Tractors/Loaders/Backhoes	75	0.1		79.6	7	420	75	5	5	0	70	5	75	70.2	7.1	75.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	excavator	1	40	81	Excavator	175	0.1		66.4	8	480	62	5	5	0	170	5	175	170.1	7.1	175.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
									Total for Grading Phase:			87.3																
Building Construction	crane	1	16	81	Cranes	75	0.1		76.6	8	480	69	5	5	0	70	5	75	70.2	7.1	75.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	man lift	1	20	75	Forklifts	125	0.1		64.0	7	420	56	5	5	0	120	5	125	120.1	7.1	125.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	generator	1	50	72	Generator Sets	225	0.1		54.8	8	480	52	5	5	0	220	5	225	220.1	7.1	225.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	tractor	1	40	84	Tractors/Loaders/Backhoes	25	0.1		89.9	6	360	85	5	5	0	20	5	25	20.6	7.1	25.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	welder / torch	1	40	73	Welders	175	0.1		58.4	8	480	54	5	5	0	170	5	175	170.1	7.1	175.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
									Total for Building Construction Phase:			84.8																
Paving	drum mixer	1	50	80	Cement and Mortar Mixers	175	0.1		65.4	8	480	62	5	5	0	170	5	175	170.1	7.1	175.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	paver	1	50	77	Pavers	225	0.1		59.8	8	480	57	5	5	0	220	5	225	220.1	7.1	225.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	pavement scarafier	1	20	85	Paving Equipment	25	0.1		90.9	8	480	84	5	5	0	20	5	25	20.6	7.1	25.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	roller	1	20	80	Rollers	125	0.1		69.0	8	480	62	5	5	0	120	5	125	120.1	7.1	125.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	tractor	1	40	84	Tractors/Loaders/Backhoes	75	0.1		79.6	8	480	76	5	5	0	70	5	75	70.2	7.1	75.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
									Total for Paving Phase:			84.6																

To User: bordered cells are inputs, unbordered cells have formulae

noise level limit for construction phase, per Cal/OSHA guidance "action level" = 85

allowable hours over which Leq is to be averaged = 8

= temporary barrier (TB) of input height inserted between source and receptor

Construction Activity	Equipment	Total Equipment Qty	AUF % (from FHWA RCNM)	Reference Lmax @ 50 ft. from FHWA RCNM	Client Equipment Description, Data Source and/or Notes	Source to NSR Distance (ft.)	*Temporary Barrier Insertion Loss (dB)*	*Additional Noise Reduction*	Distance-Adjusted Lmax	Allowable Operation Time (hours)	Allowable Operation Time (minutes)	Predicted 8-hour Leq	Source Elevation (ft)	Receiver Elevation (ft)	Barrier Height (ft)	Source to Barr. ("A") Horiz. (ft)	Rcvr. to Barr. ("B") Horiz. (ft)	Source to Rcvr. ("C") Horiz. (ft)	"A" (ft)	"B" (ft)	"C" (ft)	Path Length Diff. "P" (ft)	Abarr (dB)	Heff (with barrier)	Heff (wout barrier)	G (with barrier)	G (without barrier)	ILbarr (dB)
Demolition	concrete saw	1	20	90	Concrete/Industrial Saws	55	0.1		89.1	8	480	82	5	5	0	50	5	55	50.2	7.1	55.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	dozer	1	40	82	Rubber Tired Dozers	55	0.1		81.1	8	480	77	5	5	0	50	5	55	50.2	7.1	55.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	tractor	3	40	84	Tractors/Loaders/Backhoes	55	0.1		83.1	8	480	84	5	5	0	50	5	55	50.2	7.1	55.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
									Total for Demolition Phase:			**86.6**																
Site Preparation	grader	1	40	85	Graders	55	0.1		84.1	8	480	80	5	5	0	50	5	55	50.2	7.1	55.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	scraper	1	40	84	Scrapers	55	0.1		83.1	8	480	79	5	5	0	50	5	55	50.2	7.1	55.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	tractor	1	40	84	Tractors/Loaders/Backhoes	55	0.1		83.1	7	420	78	5	5	0	50	5	55	50.2	7.1	55.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
									Total for Site Preparation Phase:			**84.0**																
Grading	grader	1	40	85	Graders	55	0.1		84.1	8	480	80	5	5	0	50	5	55	50.2	7.1	55.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	dozer	1	40	82	Rubber Tired Dozers	55	0.1		81.1	8	480	77	5	5	0	50	5	55	50.2	7.1	55.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	tractor	2	40	84	Tractors/Loaders/Backhoes	55	0.1		83.1	7	420	82	5	5	0	50	5	55	50.2	7.1	55.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	excavator	1	40	81	Excavator	55	0.1		80.1	8	480	76	5	5	0	50	5	55	50.2	7.1	55.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
									Total for Grading Phase:			**85.2**																
Building Construction	crane	1	16	81	Cranes	55	0.1		80.1	8	480	72	5	5	0	50	5	55	50.2	7.1	55.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	man lift	2	20	75	Forklifts	55	0.1		74.1	7	420	69	5	5	0	50	5	55	50.2	7.1	55.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	generator	1	50	72	Generator Sets	55	0.1		71.1	8	480	68	5	5	0	50	5	55	50.2	7.1	55.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	tractor	1	40	84	Tractors/Loaders/Backhoes	55	0.1		83.1	6	360	78	5	5	0	50	5	55	50.2	7.1	55.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	welder / torch	3	40	73	Welders	55	0.1		72.1	8	480	73	5	5	0	50	5	55	50.2	7.1	55.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
									Total for Building Construction Phase:			**80.5**																
Paving	drum mixer	1	50	80	Cement and Mortar Mixers	55	0.1		79.1	8	480	76	5	5	0	50	5	55	50.2	7.1	55.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	paver	1	50	77	Pavers	55	0.1		76.1	8	480	73	5	5	0	50	5	55	50.2	7.1	55.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	pavement scarafier	1	20	85	Paving Equipment	55	0.1		84.1	8	480	77	5	5	0	50	5	55	50.2	7.1	55.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	roller	2	20	80	Rollers	55	0.1		79.1	8	480	75	5	5	0	50	5	55	50.2	7.1	55.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	tractor	1	40	84	Tractors/Loaders/Backhoes	55	0.1		83.1	8	480	79	5	5	0	50	5	55	50.2	7.1	55.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
									Total for Paving Phase:			**83.5**																

To User: bordered cells are inputs, unbordered cells have formulae

noise level limit for construction phase, per Cal/OSHA guidance "action level" = 85

allowable hours over which Leq is to be averaged = 8

= temporary barrier (TB) of input height inserted between source and receptor

Construction Activity	Equipment	Total Equipment Qty	AUF % (from FHWA RCNM)	Reference Lmax @ 50 ft. from FHWA RCNM	Client Equipment Description, Data Source and/or Notes	Source to NSR Distance (ft.)	*Temporary Barrier Insertion Loss (dB)*	*Additional Noise Reduction*	Distance-Adjusted Lmax	Allowable Operation Time (hours)	Allowable Operation Time (minutes)	Predicted 8-hour Leq	Source Elevation (ft)	Receiver Elevation (ft)	Barrier Height (ft)	Source to Barr. ("A") Horiz. (ft)	Rcvr. to Barr. ("B") Horiz. (ft)	Source to Rcvr. ("C") Horiz. (ft)	"A" (ft)	"B" (ft)	"C" (ft)	Path Length Diff. "P" (ft)	Abarr (dB)	Heff (with barrier)	Heff (wout barrier)	G (with barrier)	G (without barrier)	ILbarr (dB)
Demolition	concrete saw	1	20	90	Concrete/Industrial Saws	25	13.7		82.3	8	480	75	5	5	8	20	5	25	20.2	5.8	25.0	1.05	13.2	13.0	5.0	0.5	0.7	13.7
	dozer	1	40	82	Rubber Tired Dozers	125	11.8		59.3	8	480	55	5	5	8	120	5	125	120.0	5.8	125.0	0.87	12.4	13.0	5.0	0.5	0.7	11.8
	tractor	1	40	84	Tractors/Loaders/Backhoes	75	12.3		67.4	8	480	63	5	5	8	70	5	75	70.1	5.8	75.0	0.90	12.5	13.0	5.0	0.5	0.7	12.3
									Total for Demolition Phase:			**75.7**																
Site Preparation	grader	1	40	85	Graders	25	13.7		77.3	8	480	73	5	5	8	20	5	25	20.2	5.8	25.0	1.05	13.2	13.0	5.0	0.5	0.7	13.7
	scraper	1	40	84	Scrapers	75	12.3		67.4	8	480	63	5	5	8	70	5	75	70.1	5.8	75.0	0.90	12.5	13.0	5.0	0.5	0.7	12.3
	tractor	1	40	84	Tractors/Loaders/Backhoes	125	11.8		61.3	7	420	57	5	5	8	120	5	125	120.0	5.8	125.0	0.87	12.4	13.0	5.0	0.5	0.7	11.8
									Total for Site Preparation Phase:			**73.9**																
Grading	grader	1	40	85	Graders	25	13.7		77.3	8	480	73	5	5	8	20	5	25	20.2	5.8	25.0	1.05	13.2	13.0	5.0	0.5	0.7	13.7
	dozer	1	40	82	Rubber Tired Dozers	125	11.8		59.3	8	480	55	5	5	8	120	5	125	120.0	5.8	125.0	0.87	12.4	13.0	5.0	0.5	0.7	11.8
	tractor	1	40	84	Tractors/Loaders/Backhoes	75	12.3		67.4	7	420	63	5	5	8	70	5	75	70.1	5.8	75.0	0.90	12.5	13.0	5.0	0.5	0.7	12.3
	excavator	1	40	81	Excavator	175	11.6		54.9	8	480	51	5	5	8	170	5	175	170.0	5.8	175.0	0.86	12.3	13.0	5.0	0.5	0.7	11.6
									Total for Grading Phase:			**73.8**																
Building Construction	crane	1	16	81	Cranes	75	12.3		64.4	8	480	56	5	5	8	70	5	75	70.1	5.8	75.0	0.90	12.5	13.0	5.0	0.5	0.7	12.3
	man lift	1	20	75	Forklifts	125	11.8		52.3	7	420	45	5	5	8	120	5	125	120.0	5.8	125.0	0.87	12.4	13.0	5.0	0.5	0.7	11.8
	generator	1	50	72	Generator Sets	225	11.4		43.5	8	480	40	5	5	8	220	5	225	220.0	5.8	225.0	0.85	12.3	13.0	5.0	0.5	0.7	11.4
	tractor	1	40	84	Tractors/Loaders/Backhoes	25	13.7		76.3	6	360	71	5	5	8	20	5	25	20.2	5.8	25.0	1.05	13.2	13.0	5.0	0.5	0.7	13.7
	welder / torch	1	40	73	Welders	175	11.8		46.9	8	480	43	5	5	8	170	5	175	170.0	5.8	175.0	0.86	12.3	13.0	5.0	0.5	0.7	11.6
									Total for Building Construction Phase:			**71.3**																
Paving	drum mixer	1	50	80	Cement and Mortar Mixers	175	11.6		53.9	8	480	51	5	5	8	170	5	175	170.0	5.8	175.0	0.86	12.3	13.0	5.0	0.5	0.7	11.6
	paver	1	50	77	Pavers	225	11.4		48.5	8	480	45	5	5	8	220	5	225	220.0	5.8	225.0	0.85	12.3	13.0	5.0	0.5	0.7	11.4
	pavement scarafier	1	20	85	Paving Equipment	25	13.7		77.3	8	480	70	5	5	8	20	5	25	20.2	5.8	25.0	1.05	13.2	13.0	5.0	0.5	0.7	13.7
	roller	1	20	80	Rollers	125	11.8		57.3	8	480	50	5	5	8	120	5	125	120.0	5.8	125.0	0.87	12.4	13.0	5.0	0.5	0.7	11.8
	tractor	1	40	84	Tractors/Loaders/Backhoes	75	12.3		67.4	8	480	63	5	5	8	70	5	75	70.1	5.8	75.0	0.90	12.5	13.0	5.0	0.5	0.7	12.3
									Total for Paving Phase:			**71.2**																

To User: bordered cells are inputs, unbordered cells have formulae

noise level limit for construction phase, per Cal/OSHA guidance "action level" = 85

allowable hours over which Leq is to be averaged = 8

= temporary barrier (TB) of input height inserted between source and receptor

Construction Activity	Equipment	Total Equipment Qty	AUF % (from FHWA RCNM)	Reference Lmax @ 50 ft. from FHWA RCNM	Client Equipment Description, Data Source and/or Notes	Source to NSR Distance (ft.)	*Temporary Barrier Insertion Loss (dB)*	*Additional Noise Reduction*	Distance-Adjusted Lmax	Allowable Operation Time (hours)	Allowable Operation Time (minutes)	Predicted 8-hour Leq	Source Elevation (ft)	Receiver Elevation (ft)	Barrier Height (ft)	Source to Barr. ("A") Horiz. (ft)	Rcvr. to Barr. ("B") Horiz. (ft)	Source to Rcvr. ("C") Horiz. (ft)	"A" (ft)	"B" (ft)	"C" (ft)	Path Length Diff. "P" (ft)	Abarr (dB)	Heff (with barrier)	Heff (wout barrier)	G (with barrier)	G (without barrier)	ILbarr (dB)
Demolition	concrete saw	1	20	90	Concrete/Industrial Saws	55	12.6		76.5	8	480	70	5	5	8	50	5	55	50.1	5.8	55.0	0.92	12.6	13.0	5.0	0.5	0.7	12.6
	dozer	1	40	82	Rubber Tired Dozers	55	12.6		68.5	8	480	65	5	5	8	50	5	55	50.1	5.8	55.0	0.92	12.6	13.0	5.0	0.5	0.7	12.6
	tractor	3	40	84	Tractors/Loaders/Backhoes	55	12.6		70.5	8	480	71	5	5	8	50	5	55	50.1	5.8	55.0	0.92	12.6	13.0	5.0	0.5	0.7	12.6
									Total for Demolition Phase:			**74.1**																
Site Preparation	grader	1	40	85	Graders	55	12.6		71.5	8	480	68	5	5	8	50	5	55	50.1	5.8	55.0	0.92	12.6	13.0	5.0	0.5	0.7	12.6
	scraper	1	40	84	Scrapers	55	12.6		70.5	8	480	67	5	5	8	50	5	55	50.1	5.8	55.0	0.92	12.6	13.0	5.0	0.5	0.7	12.6
	tractor	1	40	84	Tractors/Loaders/Backhoes	55	12.6		70.5	7	420	66	5	5	8	50	5	55	50.1	5.8	55.0	0.92	12.6	13.0	5.0	0.5	0.7	12.6
									Total for Site Preparation Phase:			**71.5**																
Grading	grader	1	40	85	Graders	55	12.6		71.5	8	480	68	5	5	8	50	5	55	50.1	5.8	55.0	0.92	12.6	13.0	5.0	0.5	0.7	12.6
	dozer	1	40	82	Rubber Tired Dozers	55	12.6		68.5	8	480	65	5	5	8	50	5	55	50.1	5.8	55.0	0.92	12.6	13.0	5.0	0.5	0.7	12.6
	tractor	2	40	84	Tractors/Loaders/Backhoes	55	12.6		70.5	7	420	69	5	5	8	50	5	55	50.1	5.8	55.0	0.92	12.6	13.0	5.0	0.5	0.7	12.6
	excavator	1	40	81	Excavator	55	12.6		67.5	8	480	64	5	5	8	50	5	55	50.1	5.8	55.0	0.92	12.6	13.0	5.0	0.5	0.7	12.6
									Total for Grading Phase:			**72.7**																
Building Construction	crane	1	16	81	Cranes	55	12.6		67.5	8	480	60	5	5	8	50	5	55	50.1	5.8	55.0	0.92	12.6	13.0	5.0	0.5	0.7	12.6
	man lift	2	20	75	Forklifts	55	12.6		61.5	7	420	57	5	5	8	50	5	55	50.1	5.8	55.0	0.92	12.6	13.0	5.0	0.5	0.7	12.6
	generator	1	50	72	Generator Sets	55	12.6		58.5	8	480	56	5	5	8	50	5	55	50.1	5.8	55.0	0.92	12.6	13.0	5.0	0.5	0.7	12.6
	tractor	1	40	84	Tractors/Loaders/Backhoes	55	12.6		70.5	6	360	65	5	5	8	50	5	55	50.1	5.8	55.0	0.92	12.6	13.0	5.0	0.5	0.7	12.6
	welder / torch	3	40	73	Welders	55	12.6		59.5	8	480	60	5	5	8	50	5	55	50.1	5.8	55.0	0.92	12.6	13.0	5.0	0.5	0.7	12.6
									Total for Building Construction Phase:			**67.9**																
Paving	drum mixer	1	50	80	Cement and Mortar Mixers	55	12.6		66.5	8	480	64	5	5	8	50	5	55	50.1	5.8	55.0	0.92	12.6	13.0	5.0	0.5	0.7	12.6
	paver	1	50	77	Pavers	55	12.6		63.5	8	480	61	5	5	8	50	5	55	50.1	5.8	55.0	0.92	12.6	13.0	5.0	0.5	0.7	12.6
	pavement scarafier	1	20	85	Paving Equipment	55	12.6		71.5	8	480	65	5	5	8	50	5	55	50.1	5.8	55.0	0.92	12.6	13.0	5.0	0.5	0.7	12.6
	roller	2	20	80	Rollers	55	12.6		66.5	8	480	63	5	5	8	50	5	55	50.1	5.8	55.0	0.92	12.6	13.0	5.0	0.5	0.7	12.6
	tractor	1	40	84	Tractors/Loaders/Backhoes	55	12.6		70.5	8	480	67	5	5	8	50	5	55	50.1	5.8	55.0	0.92	12.6	13.0	5.0	0.5	0.7	12.6
									Total for Paving Phase:			**71.0**																

Appendix I-1
Public Services Correspondence Letter, Fire Protection

38 NORTH MARENGO AVENUE
PASADENA, CALIFORNIA 91101
T 626.204.9800 F 626.204.9834

October 31, 2022

Fire Prevention Bureau
Mark Krikorian, Fire Marshal (mkrikorian@arcadiaca.gov)
Arcadia Fire Department, Station 105
710 South Santa Anita Drive
Arcadia, CA 91006

Sent via email

Subject: Request for Fire and Emergency Medical Services Information for The Derby Mixed-Use Project Draft Environmental Impact Report

Dear Mr. Krikorian:

In coordination with the City of Arcadia, Dudek is preparing a Draft Environmental Impact Report (EIR) for The Derby Mixed-Use Project (Project), pursuant to the California Environmental Quality Act (CEQA). This letter provides a summary of the proposed Project and poses some specific questions to address the topic of fire and emergency medical services under CEQA. Attached to this letter, please also find a Project location map (Figure 1, Project Location) and conceptual Project design figures (Figure 2a, Proposed Project Overview, and Figure 2b, Proposed Project Directional Views) to assist the Arcadia Fire Department in understanding the proposed Project.

Project Location: The Project site is in the City of Arcadia at 233 and 301 East Huntington Drive (Assessor's Parcel Numbers 5773-009-070 and 5773-009-065) and is bound by East Huntington Drive to the south, Gateway Drive to the east, and existing hotel uses to the north and west. The Project site includes approximately 2.23 acres, as shown on the attached Figure 1.

Project Description: The proposed Project involves the demolition of several existing structures, including a two-story restaurant building (The Derby), a one-story, non-operational restaurant building (Souplantation), and associated surface parking lots. The Project would construct a new space for The Derby restaurant alongside a six-story mixed-use building, containing a total of 214 multifamily dwelling unit, a secondary restaurant space, a café space, and a subterranean parking garage. See attached Figure 2a and Figure 2b for conceptual depictions of the Project at buildout. As there are no existing on-site residential uses, the Project would result in an increase of approximately 608 residents. Under existing conditions, the Project site supports 53 employees. The proposed Project would generate a total of 87 employees, resulting in a net increase of 34 employees.

Fire and Emergency Medical Services Questions: If possible, please respond to the questions below by November 1, 2022, as this information is time sensitive. Please email your responses directly to me at srobinson@dudek.com.

1. Please provide a list of all Arcadia Fire Department stations that may serve the Project site, and a summary of existing staffing and equipment at each station. Please also describe the Arcadia Fire Department's role/staffing requirements as they relate to paramedic and/or emergency medical services.

a. Station 105 710 S Santa Anita Ave Arcadia, CA 91006 Fire Administration 1 – Fire Chief 1 – Deputy Fire Chief 1 – Senior Management Analyst 1 – Fire Administrative Specialist Fire Prevention 1 – Fire Marshal 1 – Administrative Assistant 3 – Fire Inspectors (1 F/T, 2 P/T) Fire Suppression 1 – E105 - BLS Fire Engine (3 personnel; Fire Captain, Fire Engineer, Firefighter) 1 – T105 - BLS Tractor Drawn Aerial Ladder Truck (3 personnel; Fire Captain, Fire Engineer, Firefighter) 1 – RA105 - ALS Rescue Ambulance (2 personnel; Firefighter/Paramedics) 1 – BC105 - Command Vehicle (1 personnel – Battalion Chief) b. Station 106 630 S Baldwin Ave Arcadia, CA 91007 Fire Suppression 1 – E106 - BLS Fire Engine (3 personnel; Fire Captain, Fire Engineer, Firefighter) 1 – RA106 - ALS Rescue Ambulance (2 personnel; Firefighter/Paramedics)1 – USAR106 - Urban Search and Rescue Truck (cross staffed with E106 personnel) c. Station 107 79 W Orange Grove Arcadia, CA 91006 Fire Suppression 1 – E107 - ALS Assessment Fire Engine (3 personnel; Fire Captain, Fire Engineer, Firefighter/Paramedic)

2. Are there established performance standards/objectives for maintaining acceptable service ratios or response times?

   Yes

   a. If so, please provide established performance standards/objectives.

      EMS – Advanced life support arriving on scene within 5 minutes 90% of the time.Fire - Four (4) minutes or less for the arrival of the first arriving engine company at the fire suppression incident or eight (8) minutes or less for the deployment of a full first alarm assignment 90% of the time.

   b. Are these established performance standards/objectives being achieved?

      Data from the previous three years show that response times are increasing due to call volume, recent pandemic effects, and other factors. These factors would include but not limited to increased traffic patterns, further emergency responses due to adjacent districts responding, and hospital bed availability.

   c. Please provide data on current response times/service ratios for both fire and emergency medical services, if available.

      Data is unavailable at this time.

3. Are existing facilities sufficient to provide fire and emergency medical services to the proposed Project? If not, please see Question #4.

   As the city continues to see high density projects, call volume will continue to see an increase which will result in longer response times. Additionally with a six-story project, access to any given incident within the facility will also increase response times. The potential need to traverse up and/or across through stairwells, elevators, and/or use of the aerial ladder will inevitably increase response times. At this time with the addition of this project, there is a high probability that services will be impacted.

4. Would development of the proposed Project result in the need for new facilities and/or physically altered facilities in order to maintain acceptable service ratios, response times, or other performance objectives of the Arcadia Fire Department?

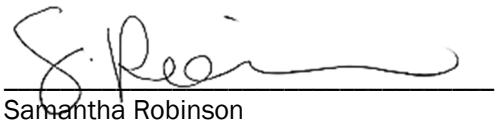
   Yes

a. If new facilities are required, please describe what facilities are required and whether such facilities are already planned and/or approved.

A fair share contribution to the city's traffic mitigation system for affected intersections would be beneficial in reducing response times to the project.

Please feel free to contact me at (626) 204-9849 or via email at srobinson@dudek.com to discuss our information needs and/or any questions regarding this request. Thank you very much for your assistance.

Sincerely,



Samantha Robinson
Environmental Planner, CEQA/NEPA Group

Att.: *Figure 1. Project Location*
Figure 2a. Proposed Project Overview
Figure 2b. Proposed Project Directional Views

Appendix I-2
Public Services Correspondence Letter, Police Protection

Samantha Robinson

From: Amber Abeyta <aabeyta@arcadiaca.gov>
Sent: Monday, November 21, 2022 5:19 PM
To: Samantha Robinson
Cc: Nakamura, Roy
Subject: The Derby Mixed-Use Project
Attachments: SKM_C22722112118340.pdf

Dear Ms. Robinson,

Attached are the records that respond to question No. 1 of your request addressed to the Arcadia Police Department regarding The Derby mixed-use project. There are no other records that exist that respond to the remaining questions outlined in your request. Please send all future requests for information to the City Clerks Office at cityclerk@ArcadiaCA.gov .

Thank you,

Amber Abeyta
Management Analyst | Arcadia Police Department
250 W. Huntington Dr. | Arcadia, CA 91007
(626) 574-5136 | Aabeyta@ArcadiaCA.gov

FY22-23 EMPLOYEE COUNT BY DEPARTMENT

POLICE DEPT

Position	*FTE*
Administrative Assistant	1.00
Community Services Officer	3.00
Crime Analyst/Investigative Support Specialist	1.00
Dispatch Services Supervisor	1.00
Dispatcher I	2.00
Dispatcher II	6.00
Logistical Services Officer	1.00
Management Analyst	1.00
Police Captain	2.00
Police Chief	1.00
Police Lieutenant	5.00
Police Officer	51.00
Police Record Manager	1.00
Police Records Technician I	5.00
Police Records Technician II	2.00
Police Sergeant	12.00
Property, Evidence, Crime Technician	1.00
Senior Administrative Assistant	1.00

FY22-23 EMPLOYEE COUNT BY DEPARTMENT

POLICE DEPT

Position	*FTE*
TOTAL	**97.00**

POLICE DEPARTMENT

Description:

The Police Department provides law enforcement services to the community of Arcadia. The Department is structured with two operating divisions: The Operations Division and the Administration Division.

Operations Division

The Operations Division is the larger of the two divisions in the Department. The division is primarily responsible for daily field operations, including patrol duties, traffic enforcement, and interaction with the public. Sections within the Division include: Patrol Bureau, Traffic Bureau, S.W.A.T., Force Training Unit, and the Field Training Officer Program.

- Patrol Bureau responds to all calls for emergency services, conducts initial investigations and appropriate follow up, prepares police reports, and suppresses criminal activity through proactive law enforcement.

- Traffic Bureau provides for safe movement along public thoroughfares by regulating and enforcing pedestrian and vehicular traffic laws and parking laws.

- S.W.A.T. is a force multiplier of the Operations Division, and provides specially trained personnel in resolving unique and/or high-risk situations.

- Field Training Officer (FTO) Program trains, evaluates, and prepares new police officers for field performance. The FTO Program also conducts Advanced Officer Training for tenured police officers in the Operations Division.

Administration Division

The Administration Division includes those services necessary to support the Operations Division and other sections in the Department. Sections within the Division include: Detective Bureau, Records Bureau, Personnel and Training, Jail Operations, and Dispatch.

- Detective Bureau conducts follow-up investigation and gathering of evidence to assist in the prosecution of criminal offenses.

- Force Training Unit conducts advanced officer training in force options, to include: Firearms training, CPR recertification, less-lethal deployments, critical decision making, crowd management and control methods, and

arrest and control techniques.

- Records Bureau processes, maintains, and disseminates information associated with police reports, criminal citations and arrests, and all supporting documents.

- Personnel and Training handles the advertising, recruiting, testing, and hiring of police personnel. It is also charged with the responsibility of assessing the Department's training needs, ensuring compliance with State mandated training requirements, providing training to employees, and maintaining training records.

- Jail Operations conducts the booking of prisoners and houses prisoners awaiting arraignment.

- Dispatch, using state-of-the-art technology, provides timely, accurate, and responsive telecommunication services to the community and the Police Department.

FY 2022-23 WORK PLAN

1. Recruit and train all sworn and non-sworn staff within the confines of the FY 2022-23 Budget.

2. Continue to develop highly trained, highly educated men and women throughout the organization through the Department's Career Development Program.

3. Continue assessment of staffing protocols to ensure appropriate staffing levels at the field level in order to further combat property crimes in Arcadia.

4. Continue to implement new Operations objectives in the Patrol Division that will increase efficiency and provide better service patrol for the Community.

5. Continue to establish and/or improve the Department's policies, procedures, and operational strategies in response to the COVID-19 pandemic, and monitor recommended steps from local, state, and federal agencies for implementation with the ultimate goal of preserving the safety and well-being of the City, staff, and residents.

6. Continue active participation in the Los Angeles Interagency Metropolitan Police Apprehension Crime Task Force (L.A. IMPACT), a multi-jurisdictional taskforce, to increase proficiency in investigating major

crimes related to drug trafficking, gang enforcement, property crimes, and covert operation information development amongst others.

7. Expand the Police Cadet Program to reach full capacity, providing for a greater number of potential police officers for the future, and allowing for diversified learning opportunities within multiple departments.

8. Explore the potential for collaborative, regionalized police services for the future.

9. Continue participation in the West San Gabriel Valley Mental Evaluation Team (WSGMET) and collaboration with the Los Angeles County Department of Mental Health to address and combat mental health incidents, and provide mental health assistance and resources to homeless persons in Arcadia.

10. Further expand homelessness outreach efforts through the activities of the APD's Homeless Education & Liaison Program (HELP Team), which aims to improve the quality of life in Arcadia by reaching out to the homeless community and providing information, resources, and motivation with the ultimate goal of finding an alternative to life on the streets.

11. Continue additional homelessness outreach efforts through participation in Los Angeles County's Homeless Outreach Service Team (HOST) program, supported by Measure H funding, to work toward implementing the City's plan to prevent and combat homelessness in Arcadia.

12. Continue to grow and develop traffic education, engineering, and enforcement efforts. Continue to enhance D.U.I. enforcement through grant funding for checkpoints and special operations.

13. Continue administration of the false alarm program and expand the program through the City's Alarm Permit Subsidy Program.

14. Continue the growth and development of the Crime Analysis Unit in order to provide additional crime analysis resources and research support to the Department.

15. Continue the growth of the Business Watch Program out of the Community Affairs Office to help increase safety awareness and enlist the active participation of business owners in cooperation with law enforcement to reduce crime in their communities.

16. Further develop the activities of the Community Relations Liaison for the purpose of expanding the growth and development of the Neighborhood Watch Program and maintain open avenues of discourse between the

community and the Department in an ongoing effort to keep abreast of, and sensitive to, contemporary issues in law enforcement and police-community problems.

17. Continue the expansion of our Automated License Plate Readers (ALPRs) program via a strategic build-out plan to combat criminal activity, enhance productivity, and improve officer safety through an increased collection of vehicle license plate information.

18. Expand the Department's GPS Tracking Device Program to increase misdemeanor and felony arrests of suspects committing criminal activities in various regions of the City.

19. With the continued support of the Arcadia Police Foundation, further expand the K-9 Program to support daily law enforcement operations and enhance the effectiveness of patrol duties such as handler protection, searching techniques, article searches, and narcotics detection; ultimately increasing officer safety, apprehension of suspects, and safety for the community.

20. Continue to support the mission and objectives of the Arcadia Police Foundation to address the complexities of policing in the 21st century. The foundation will continue to promote partnerships between APD and the public, mobilize community support, and enhance community understanding of law enforcement initiatives.

21. Continue the implementation of the Special Enforcement Team (SET) in order to support crime prevention and criminal apprehension along with establishing special task force connections with local and regional groups related to burglaries, gangs, drugs, and organized retail crime.

22. Monitor compliance of massage therapy related businesses.

23. Continue upgrades to the Department's Records Management System and Crimemapping system to comply with NIBRS, the FBI's new incident-based crime reporting standard.

24. Establish participation in the Taskforce for Regional Autotheft Prevention (TRAP) Program and dedicate police resources to help deter crime in the City, specifically, Auto Theft.

Appendix I-3
Public Services Correspondence Letter, Schools

38 NORTH MARENGO AVENUE
PASADENA, CALIFORNIA 91101
T 626.204.9800 F 626.204.9834

December 12, 2022

Arcadia Unified School District
Mr. Dierk Esseln, Chief Business Officer (desseln@ausd.net)
150 South 3rd Avenue
Arcadia, CA 91006

Sent via email

Subject: Request for School Services Information for The Derby Mixed-Use Project Draft Environmental Impact Report

Dear Mr. Esseln:

In coordination with the City of Arcadia, Dudek is preparing a Draft Environmental Impact Report (EIR) for The Derby Mixed-Use Project (Project), pursuant to the California Environmental Quality Act (CEQA). This letter provides a summary of the proposed Project and poses some specific questions to address the topic of school facilities under CEQA. Attached to this letter, please also find a Project location map (Figure 1, Project Location) and conceptual Project design figures (Figure 2a, Proposed Project Overview, and Figure 2b, Proposed Project Directional Views) to assist the Arcadia Public Library in understanding the proposed Project.

Project Location: The Project site is in the City of Arcadia at 233 and 301 East Huntington Drive (Assessor's Parcel Numbers 5773-009-070 and 5773-009-065) and is bound by East Huntington Drive to the south, Gateway Drive to the east, and existing hotel uses to the north and west. The Project site includes approximately 2.23 acres, as shown on the attached Figure 1.

Project Description: The proposed Project involves the demolition of several existing structures, including a two-story restaurant building (The Derby), a one-story, non-operational restaurant building (Souplantation), and associated surface parking lots. The Project would construct a new space for The Derby restaurant alongside a six-story mixed-use building, containing a total of 214 multifamily dwelling unit, a secondary restaurant space, a café space, and a subterranean parking garage. See attached Figure 2a and Figure 2b for conceptual depictions of the Project at buildout. As there are no existing on-site residential uses, the Project would result in an increase of approximately 608 residents. Under existing conditions, the Project site supports 53 employees. The proposed Project would generate a total of 87 employees, resulting in a net increase of 34 employees.

Library Services Questions: If possible, please respond to the questions below by November 1, 2022, as this information is time sensitive. Please email your responses directly to me at srobinson@dudek.com.

1. What AUSD schools are within the district's service boundaries for the Project site? What is the 2022 student enrollment as well as the total student enrollment *capacity* for each of the schools? (Project site addresses are 233 and 301 East Huntington Drive. Please refer to attached Figure 1 for Project site location.)

Camino Grove ES, Dana MS, and Arcadia HS. And the District does not guarantee placement at any particular school. Student placement will be decided by the District Registrar at the time of registration. Please note that the District reserves the right to place any student at any of its schools, as it deems necessary to the mutual benefit of the student and the District.

Facility Type	Facility Name	2022 Student Enrollment	Total Facility Enrollment Capacity
Elementary School(s)	Camino Grove	666	775
Middle School(s) or Junior High School(s)	Dana	622	918
High School(s)	Arcadia	3,022	3,672
Other (if applicable)			

2. Please provide a list of the AUSD's estimated "students per household" for each school serving the Project site. This factor will be used to estimate the potential increase in enrollment that would be associated with the Project's proposed 214 dwelling units. (If available, please provide generation factors specifically for multifamily dwelling unit types, as opposed to single family.)

Facility Type	Facility Name	Generation Factor (can be approximate)
Elementary School(s)	Camino Grove	0.181 Students per Household
Middle School(s)	Dana	0.108 Students per Household
High School(s)	Arcadia	0.141 Students per Household
Other (if applicable)		_____ Students per Household

3. Are there established performance standards/objectives for maintaining acceptable service ratios (e.g., student-to-teacher ratios)?

   Yes

   a. If so, please provide established performance standards/objectives.

      The student to teacher ratio at grades TK & K is 24:1; 1 to 3: 26:1; 4 & 5: 30:1; 6 to 8: 28:1; 9 to 12: 33:1

   b. Are these established performance standards/objectives being achieved? Please provide data on current service ratios, if available.

Yes

4. Are existing schools sufficient to provide support to the proposed Project? If not, please see Question #5

   Yes

5. Would development of the proposed Project result in the need for new facilities and/or physically altered facilities in order to maintain acceptable performance objectives, such as student-to-teacher ratios?

   Click or tap here to enter text.

   a. If new facilities are required, please describe what facilities are required and whether such facilities are already planned and/or approved.

      Click or tap here to enter text.

Please feel free to contact me at (626) 204-9849 or via email at srobinson@dudek.com to discuss our information needs and/or any questions regarding this request. Thank you very much for your assistance.

Sincerely,

Samantha Robinson
Environmental Planner, CEQA/NEPA Group

Att.: *Figure 1. Project Location*
Figure 2a. Proposed Project Overview
Figure 2b. Proposed Project Directional Views

Appendix I-4
Public Services Correspondence Letter, Parks

38 NORTH MARENGO AVENUE
PASADENA, CALIFORNIA 91101
T 626.204.9800 F 626.204.9834

October 31, 2022

City of Arcadia, Recreation and Community Services
Ms. Sara Somogyi, Director (ssomogyi@arcadiaca.gov)
Ms. Candice Cheung, Assistant Director (ccheung@arcadiaca.gov)
375 Campus Drive
Arcadia, CA 91006

Sent via email

Subject: Request for Parks and Recreation Facilities Information for The Derby Mixed-Use Project Draft Environmental Impact Report

Dear Ms. Somogyi and Ms. Cheung:

In coordination with the City of Arcadia, Dudek is preparing a Draft Environmental Impact Report (EIR) for The Derby Mixed-Use Project (Project), pursuant to the California Environmental Quality Act (CEQA). This letter provides a summary of the proposed Project and poses some specific questions to address the topic of parks and recreation facilities under CEQA. Attached to this letter, please also find a Project location map (Figure 1, Project Location) and conceptual Project design figures (Figure 2a, Proposed Project Overview, and Figure 2b, Proposed Project Directional Views) to assist Recreation and Community Services in understanding the proposed Project.

Project Location: The Project site is in the City of Arcadia at 233 and 301 East Huntington Drive (Assessor's Parcel Numbers 5773-009-070 and 5773-009-065) and is bound by East Huntington Drive to the south, Gateway Drive to the east, and existing hotel uses to the north and west. The Project site includes approximately 2.23 acres, as shown on the attached Figure 1.

Project Description: The proposed Project involves the demolition of several existing structures, including a two-story restaurant building (The Derby), a one-story, non-operational restaurant building (Souplantation), and associated surface parking lots. The Project would construct a new space for The Derby restaurant alongside a six-story mixed-use building, containing a total of 214 multifamily dwelling unit, a secondary restaurant space, a café space, and a subterranean parking garage. See attached Figure 2a and Figure 2b for conceptual depictions of the Project at buildout. As there are no existing on-site residential uses, the Project would result in an increase of approximately 608 residents. Under existing conditions, the Project site supports 53 employees. The proposed Project would generate a total of 87 employees, resulting in a net increase of 34 employees.

Parks and Recreation Facilities Questions: If possible, please respond to the questions below by November 1, 2022, as this information is time sensitive. Please email your responses directly to me at srobinson@dudek.com.

1. Please provide a list of all local/regional parks that may serve the Project site, and a summary of the existing facilities (e.g., sports court, pool, picnic areas, community rooms) at each park.

   The City of Arcadia has 14 City parks, 4 County parks, and several joint use facilities with the Arcadia Unified School District. Arcadia residents have open access to approximately 135 acres of park facilities within the

City. Within a half mile radius of the proposed mixed-use project there are two parks, Bontia Park and Eisenhower Memorial Park. Bonita Park's amenities include a skate park, baseball field, playground, picnic tables, multi-purpose field, and restrooms. Eisenhower Memorial Park's amenities include dog parks, playgrounds, picnic shelters, basketball court, baseball field, exercise equipment, multi-purpose field, walking track and restrooms.

2. Are there established performance standards/objectives for maintaining acceptable service ratios (e.g., park acreage per resident)?

   Yes.

   a. If so, please provide established performance standards/objectives.

      Per Arcadia's General Plan, the City strives to provide a minimum of 2.43 acres of parkland per 1,000 residents. Per the Los Angeles Countywide Comprehensive Park and Recreation Needs Assessment, the county average is 3.3 acres of parkland per 1,000 residents.

   b. Are these established performance standards/objectives being achieved? Please provide data on current service ratios, if available.

      According to the Cenus Bureau's 2021 estimate, Arcadia has a population of 55,345 people. At this population, Arcadia provides 2.43 acres of parkland per 1,000 residents, which is exactly the City's goal ratio. With the additional 608 residents from the proposed Project, the City's population would rise to 55,953. With this population, Arcadia would be providing 2.41 acres per 1,000 residents, creating a parkland deficit an .02 acres per 1,000 residents.

3. Are existing park/recreation facilities sufficient to provide support to the proposed Project? If not, please see Question #4

The proposed Project would stretch extisting park/recreation facilities slightly beyond the City's goal, but would not cause significant issues.

4. Would development of the proposed Project result in the need for new park/recreation facilities and/or physically altered facilities in order to maintain the City's acceptable performance objectives?

The City's established performance standard of 2.43 acres per 1,000 residents could be maintained with the addition of one acre of parkland.

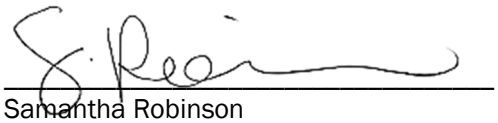
   a. If new facilities are required, please describe what facilities are required and whether such facilities are already planned and/or approved.

      A new, one acre park would accommodate the additional residents from the proposed Project and maintain the City's established performance standard. No such park or facility is currently being considered. Based off the Preliminary Opinion of Construction Costs for Fairview Avenue Park in the Recreation and Community Services Department's Master Plan from 2017, creating a park of this size

from start to finish could cost upwards of $1,113,398 not including the cost of acquiring land and inflation.

Please feel free to contact me at (626) 204-9849 or via email at srobinson@dudek.com to discuss our information needs and/or any questions regarding this request. Thank you very much for your assistance.

Sincerely,



Samantha Robinson
Environmental Planner, CEQA/NEPA Group

Att.: *Figure 1. Project Location*
Figure 2a. Proposed Project Overview
Figure 2b. Proposed Project Directional Views

Appendix I-5
Public Services Correspondence Letter, Libraries

38 NORTH MARENGO AVENUE
PASADENA, CALIFORNIA 91101
T 626.204.9800 F 626.204.9834

October 31, 2022

To: Arcadia Public Library
20 West Duarte Road
Arcadia, CA 91006

Ms. Darlene Bradley (dbradley@arcadiaca.gov)

Sent via email

Subject: Request for Library Services Information for The Derby Mixed-Use Project Draft Environmental Impact Report

To Ms. Darlene Bradley:

In coordination with the City of Arcadia, Dudek is preparing a Draft Environmental Impact Report (EIR) for The Derby Mixed-Use Project (Project), pursuant to the California Environmental Quality Act (CEQA). This letter provides a summary of the proposed Project and poses some specific questions to address the topic of library services under CEQA. Attached to this letter, please also find a Project location map (Figure 1, Project Location) and conceptual Project design figures (Figure 2a, Proposed Project Overview, and Figure 2b, Proposed Project Directional Views) to assist the Arcadia Public Library in understanding the proposed Project.

Project Location: The Project site is in the City of Arcadia at 233 and 301 East Huntington Drive (Assessor's Parcel Numbers 5773-009-070 and 5773-009-065) and is bound by East Huntington Drive to the south, Gateway Drive to the east, and existing hotel uses to the north and west. The Project site includes approximately 2.23 acres, as shown on the attached Figure 1.

Project Description: The proposed Project involves the demolition of several existing structures, including a two-story restaurant building (The Derby), a one-story, non-operational restaurant building (Souplantation), and associated surface parking lots. The Project would construct a new space for The Derby restaurant alongside a six-story mixed-use building, containing a total of 214 multifamily dwelling unit, a secondary restaurant space, a café space, and a subterranean parking garage. See attached Figure 2a and Figure 2b for conceptual depictions of the Project at buildout. As there are no existing on-site residential uses, the Project would result in an increase of approximately 608 residents. Under existing conditions, the Project site supports 53 employees. The proposed Project would generate a total of 87 employees, resulting in a net increase of 34 employees.

Library Services Questions: If possible, please respond to the questions below by November 1, 2022, as this information is time sensitive. Please email your responses to me at srobinson@dudek.com.

1. Please provide a summary of existing staffing, collection(s), and community services at the Arcadia Public Library (20 West Duarte Road).

   The Arcadia Public Library has 21 FTE employees, approximately 202,000 collection items, and provides full city public library services 60 hours per week.

2. Are there established library performance standards or objectives for maintaining acceptable service ratios? If so, please describe these metrics below.

   These do exist but I am unable to obtain them in this short time frame.

3. Based on the size of the proposed Project (and conversations with City Planning), we are not anticipating the need for new and/or physically altered library facilities resulting from Project implementation. Can you please confirm this is correct?

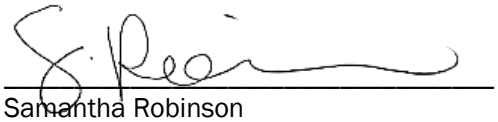
   This is correct.

4. Would development of the proposed Project result in the need for new staffing, supplies, or other equipment to maintain acceptable service ratios or other performance objectives? If so, can you please provide us with estimates for the number of additional staff and/or the type(s) of new supplies/equipment that would be required?

   This one project would not require additional staffing. Staffing, collections, and programming would stay the same. For additional services, programming, and collections, should they be requested, then there would be a need for additional staffing and there would be budget implications.

Please feel free to contact me at (626) 204-9849 or via email at srobinson@dudek.com to discuss our information needs and/or any questions regarding this request. Thank you very much for your assistance.

Sincerely,



Samantha Robinson
Environmental Planner, CEQA/NEPA Group

Att.: *Figure 1. Project Location*
Figure 2a. Proposed Project Overview
Figure 2b. Proposed Project Directional Views

Appendix J
Transportation Impact Study,
prepared by Dudek

Transportation Impact Study

The Derby Mixed-Use Project

JULY 2023

Prepared for:

TOP COMMERCIAL REALTY
100 West Lemon Avenue, Suite 101
Monrovia, California 91016
Contact: Linda Vidov

Prepared by:

DUDEK

605 Third Street
Encinitas, California 92024

Table of Contents

SECTION **PAGE NO.**

1 Introduction 1
1.1 Purpose and Scope of the TIA 1
1.2 Project Description 1

2 Study Area 5
2.1 Existing Street Network 5
2.2 Transit System 6
Metropolitan Transportation Authority Services (Metro) 6
Foothill Transit Services 6
Arcadia Transit Services 6
2.3 Pedestrian and Bicycle Facilities 7

3 Project Trip Generation and Distribution 10
3.1 Trip Generation 10
3.2 Trip Distribution and Assignment 11

4 Level of Service (LOS) Analysis 16
4.1 Study Intersections 16
4.2 Analysis Scenarios 16
4.3 Traffic Volumes 17
4.4 Analysis Methodology 17
4.5 General Plan Consistency Requirements 17
4.6 Existing (2022) Conditions 18
4.7 Opening Year (2025) No Project 22
4.7.1 Cumulative Projects 22
4.7.2 LOS Analysis 29
4.8 Opening Year (2025) Plus Project 29
4.9 Horizon Year (2040) No Project 33
4.10 Horizon Year (2040) Plus Project 33

5 Project Site Access 37
5.1 Project Site Access and Internal Circulation 37
5.2 Pedestrian and Bicycle Access 39

6 Parking Analysis 40
6.1 State Density Bonus Program and Assembly Bill 2345 40
6.2 Development Code Parking Requirements 40
6.3 Parking Spaces Required per Code 41

6.4 Valet Operations 42
7 Vehicle Miles Traveled Analysis 43
7.1 Screening Criteria 43
8 Summary 45
9 References 46

TABLE(S)

Table 1. Project Trip Generation 10
Table 2. Level of Service for Criteria 17
Table 3. Existing Weekday Peak Hour Intersection LOS 18
Table 4. Cumulative Projects 22
Table 5. Cumulative Projects Trip Generation 24
Table 6. Opening Year (2025) Weekday Peak Hour Intersection LOS 29
Table 7. Opening Year (2025) Plus Project Weekday Peak Hour Intersection LOS 30
Table 8. Horizon Year (2040) Weekday Peak Hour Intersection LOS 33
Table 9. Horizon Year (2040) Plus Project Weekday Peak Hour Intersection LOS 34
Table 10. Peak-Hour Queuing Summary for Opening Year (2025) Conditions 38
Table 11. Peak-Hour Queuing Summary for Horizon Year (2040) Conditions 38
Table 12. City of Arcadia Development Parking Code (With Density Bonus) 40
Table 13. Required Parking Spaces by Use (With Density Bonus) 41
Table 14. Summary of Project TAZ VMT 44

FIGURE(S)

Figure 1 – Project Location and Study Area 3
Figure 2 – Project Site Plan 4
Figure 3 – Existing Transit Facilities 8
Figure 4 – Existing and Future Bicycle Facilities 9
Figure 5 –Project Trip Distribution 12
Figure 6 – Existing Trips to be Removed 13
Figure 7 – Proposed Project Trips Assignment 14
Figure 8 – NET Proposed Project Trips Assignment 15
Figure 9 – Existing Intersection Controls and Geometrics 19
Figure 10 – Existing Peak Hour Traffic Volumes 20
Figure 11 – Existing plus NET Proposed Project Peak Hour Traffic Volumes 21
Figure 12 – Cumulative Project Locations 27

Figure 13 – Cumulative Projects Peak Hour Traffic Volumes 28
Figure 14 – Opening Year (2025) Peak Hour Traffic Volumes 31
Figure 15 – Opening Year (2025) plus NET Proposed Project Peak Hour Traffic Volumes 32
Figure 16 – Horizon Year (2040) Peak Hour Traffic Volumes 35
Figure 17 – Horizon Year (2040) plus NET Proposed Project Peak Hour Traffic Volumes 36

APPENDIX(CES)

A Raw Traffic Counts
B LOS Worksheets
C SimTraffic Queuing Worksheet
D SJVCOG VMT Screening Tool

1 Introduction

1.1 Purpose and Scope of the TIA

The purpose of this Transportation Impact Analysis (TIA) is to identify traffic impacts associated with the proposed Derby Mixed-Use Project (proposed project or project), a mixed-use project in the City of Arcadia (City). This TIA has been prepared per the City of Arcadia Transportation Study Guidelines for Vehicle Miles Traveled and Level of Service Assessment (City of Arcadia 2020) and its scope of analysis has been approved by the City's Traffic Engineering Department. In addition, this TIA complies with the City of Arcadia General Plan Circulation and Infrastructure Element requirements.

The objectives of this TIA are to:

- Document existing roadway, pedestrian, bicycle, transit and traffic conditions, including intersection levels of service in the study area;
- Estimate trip generation, distribution, and assignment characteristics for the proposed project;
- Provide a Vehicle Miles Traveled (VMT) analysis per Senate Bill 743, the updated California Environmental Quality Act (CEQA) Guidelines, and the City of Arcadia Transportation Study Guidelines for Vehicle Miles Traveled and Level of Service Assessment;
- Document future short-range (Opening Year 2025) intersection levels of service in the study area per traffic volumes derived from adding growth to existing traffic volumes;
- Compare the proposed project's trip generation estimates at buildout with the trip generation estimates of the land uses designated on the project site in the City's General Plan;
- Analyze the traffic impacts that would occur as a result of buildout of the proposed project under the Existing (2022), Opening Year (2025), and Horizon Year (2040) buildout conditions;
- Describe the significance of the potential impacts under the Existing, Opening Year 2025, and General Plan buildout conditions;
- Identify CEQA-required mitigation measures for significant transportation impacts and/or other improvements needed to meet level of service standards (if any); and,
- Provide findings and recommendations based on the traffic analysis of the proposed project.

Figure 1, Project Location and Study Area, shows the project location and study area selected based on the above-mentioned scoping criteria. As illustrated in Figure 1, the study area is comprised of seven (7) intersections and three (3) project driveways.

1.2 Project Description

The project site encompasses approximately 2.23 acres and consists of two developed parcels (Assessor Parcel Numbers [APNs] 5773-009-070 and 5773-009-065) located on the northwest corner of E. Huntington Drive and Gateway Drive in Downtown Arcadia. Two restaurants currently occupy the project site, including The Derby and a closed Souplantation restaurant. The project would construct The Derby as a larger, two-story restaurant that would be connected to a new, six-story mixed-use development. In addition to The Derby's new restaurant space, the

Project would construct 205 market rate units and 9 affordable units (totaling 214 for-rent dwelling units), a 3,300 square foot additional restaurant space, and a 1,400 square foot café space. The existing buildings and surface parking lots on the project site would be demolished to accommodate the proposed project. The project components are described below, and the site plan is shown in Figure 2:

Commercial

Approximately 17,550 square feet (SF) of new commercial space will be provided including:

1. The Derby restaurant, Derby Collection and second level indoor/outdoor bar: 12,850 SF
2. An additional restaurant space with the potential for outdoor dining: 3,300 SF
3. A coffee shop/café space, also with the potential for outdoor seating: 1,400 SF

Residential

The project is proposing 214 for-rent units with a mixture of studio, one-bedroom and two-bedroom units. The units will be situated on five stories above the commercial spaces (except that The Derby will have no residential units above any of the front-of-house areas). The 214 units will include 9 affordable units that will be restricted to seniors. A ground level street-fronting lobby and associated arrival, leasing and mailroom areas will be provided with pedestrian access directly from E. Huntington Drive. Primary amenities include a pool and club areas at level five (with approximately 6,000 SF of exterior open space) and a garden with additional amenities at a 6,500 SF landscaped level 2 courtyard.

Parking and Access

Residential tenant and guest parking will be provided at the basement level with a separate secure access from Gateway Drive. Ground floor parking areas will be predominately valet serviced and reserved for the restaurant uses and kept hidden from adjacent streets and will also meet the city's parking standards. Primary access for the commercial parking will be from two points: Along E. Huntington Drive approximately 50 feet east of the curb cut for the existing Derby. This revised access point will enter an off-street valet drop-off and pick-up courtyard area able to accommodate up to approximately 20 active and parked vehicles simultaneously. The second access point will be via a curb-cut that will also accommodate service uses from Gateway Drive that will be separated as far as possible from the E. Huntington Drive intersection and the residential basement parking access ramp.



SOURCE: Bing Maps; [au]workshop 2021

DUDEK

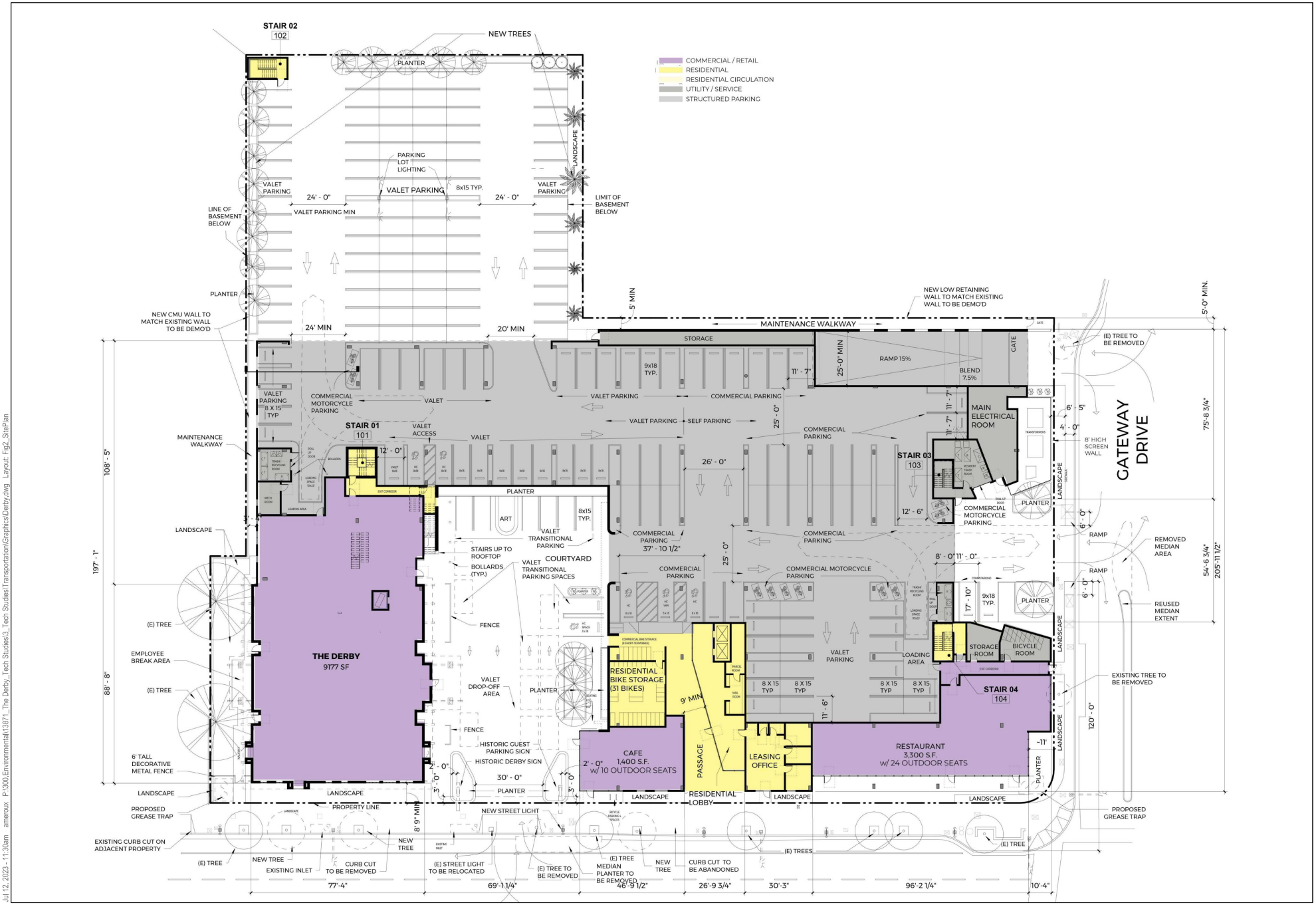
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Figure 1

Project Location and Study Area

Derby Mixed Use Project

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SOURCE: [au]workshop 2023

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Figure 2

Proposed Site Plan

Derby Mixed Use Project

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2 Study Area

This section provides a summary of the existing street network, including the major roadways serving the site, the existing transit service, and bicycle and pedestrian facilities in the study area.

2.1 Existing Street Network

Regional access to the project site is provided by Interstate [I-] 210 (Foothill Freeway) approximately 0.35 miles east of the site. The local street system serving the site includes E. Huntington Drive, Santa Clara Street, 2nd Avenue, and Gateway Drive. Characteristics of the existing local roads within the study area are described below.

E. Huntington Drive is an east-west oriented roadway south of the project site. Direct access to the site will be provided from E. Huntington Drive. In the Arcadia General Plan Circulation and Infrastructure Element (City of Arcadia 2010), E. Huntington Drive is classified as a major arterial west of Santa Clara Street and a primary arterial east of Santa Clara Street. E. Huntington Drive is also a designated truck route, as well as a principal travel corridor and a planned primary transit corridor within the City. The number of through travel lanes in each direction on E. Huntington Drive varies from four through lanes west of Holly Avenue, to three through lanes between Holly Avenue and Santa Clara Street, to two through lanes east of Santa Clara Street. Exclusive left-turn lanes are provided on E. Huntington Drive at major intersections. On-street parking is generally not provided in the immediate project vicinity. The speed limit on E. Huntington Drive varies from 30 to 35 MPH east of Santa Clara Street, to 45 MPH west of Santa Clara Street.

Santa Clara Street is an east-west oriented roadway, located north of the project site. Santa Clara Street is classified as a secondary arterial between E. Huntington Drive and Santa Anita Avenue and an enhanced collector between Santa Anita Avenue and the City limits. It is also classified as a local travel corridor east of Santa Anita Avenue. One to two through travel lanes are provided in each direction on Santa Clara Street, with a two-way left-turn lane (TWLTL) provided between E. Huntington Drive and 1st Avenue and left-turn pockets provided at most major intersections and driveways. Parking is restricted along both sides of the street, between E. Huntington Drive and 1st Avenue and unrestricted between 1st Avenue and the City limits. An existing Class II bike lane (on-street striped lane) is provided on Santa Clara Street along the project frontage. Santa Clara Street has a posted speed limit of 30 MPH within the vicinity of the project site.

2nd Avenue is a north-south roadway west of the project site. 2nd Avenue is classified as a collector, as well as a local travel corridor north of E. Huntington Drive and a secondary travel corridor south of E. Huntington Drive. Two through travel lanes are provided in each direction on 2nd Avenue, with a TWLTL provided between Santa Clara Street and E. Huntington Drive and left-turn pockets provided at most major intersections and driveways. Parking is provided along both sides of the street, where designated. 2nd Avenue has a posted speed limit of 25 to 35 MPH within the vicinity of the project site.

Gateway Drive is a north-south roadway east of the project site. Direct access to the site will be provided from two driveways along Gateway Drive. Gateway Drive does not have a City of Arcadia roadway classification and is considered a local road. One through travel lane is provided in each direction, with a raised median located along portions of the roadway. Parking is generally not allowed along either side of the street. No posted speed limits are present; however, a 25 MPH speed limit is assumed in this analysis.

2.2 Transit System

Public transit in the project vicinity is provided by the Metropolitan Transportation Authority (Metro), Foothill Transit, and Arcadia Transit. Figure 3, Existing Transit Facilities, shows the various bus routes and Metro A (previously L and Gold) Line that provide service in the study area. The Arcadia Metro A Line Station is approximately 0.3 miles northwest of the project site at the northwest corner of 1st Avenue and Santa Clara Street. Bus stops are also located along E. Huntington Drive near the project site. A description of each service provider is presented below.

Metropolitan Transportation Authority Services (Metro)

Metro currently operates five local Metro bus transit routes in the vicinity of the project site, providing service between downtown Los Angeles and Arcadia (Metro 2023). The routes have peak frequencies of between 10 minutes (within Downtown Los Angeles) and 40 minutes in Arcadia. Route 179 operates in conjunction with Route 287 within the downtown Los Angeles area, upon which the route splits into two separate lines in the City of Alhambra, with Route 179 traveling along E. Huntington Drive. The nearest bus stop to the project site is located at the intersection of E. Huntington Drive and 2nd Avenue. Route 179 serves Arcadia, Alhambra, El Sereno, and downtown Los Angeles. Additionally, Route 287 operates along Santa Anita Avenue with the nearest bust stop provided at the same locations noted above, serving the cities of El Monte, Arcadia, South El Monte, Rosemead, and Montebello. Route 287 provides an average peak weekday service frequency of 40 minutes.

Foothill Transit Services

Within the study area, Foothill Transit Line 187 serves Pasadena, Arcadia, Duarte, and Azusa. This bus line provides an average peak weekday service frequency of 20 minutes. The nearest bus stop to the project site is located at E. Huntington Drive and 2nd Avenue (Foothill Transit 2022).

Arcadia Transit Services

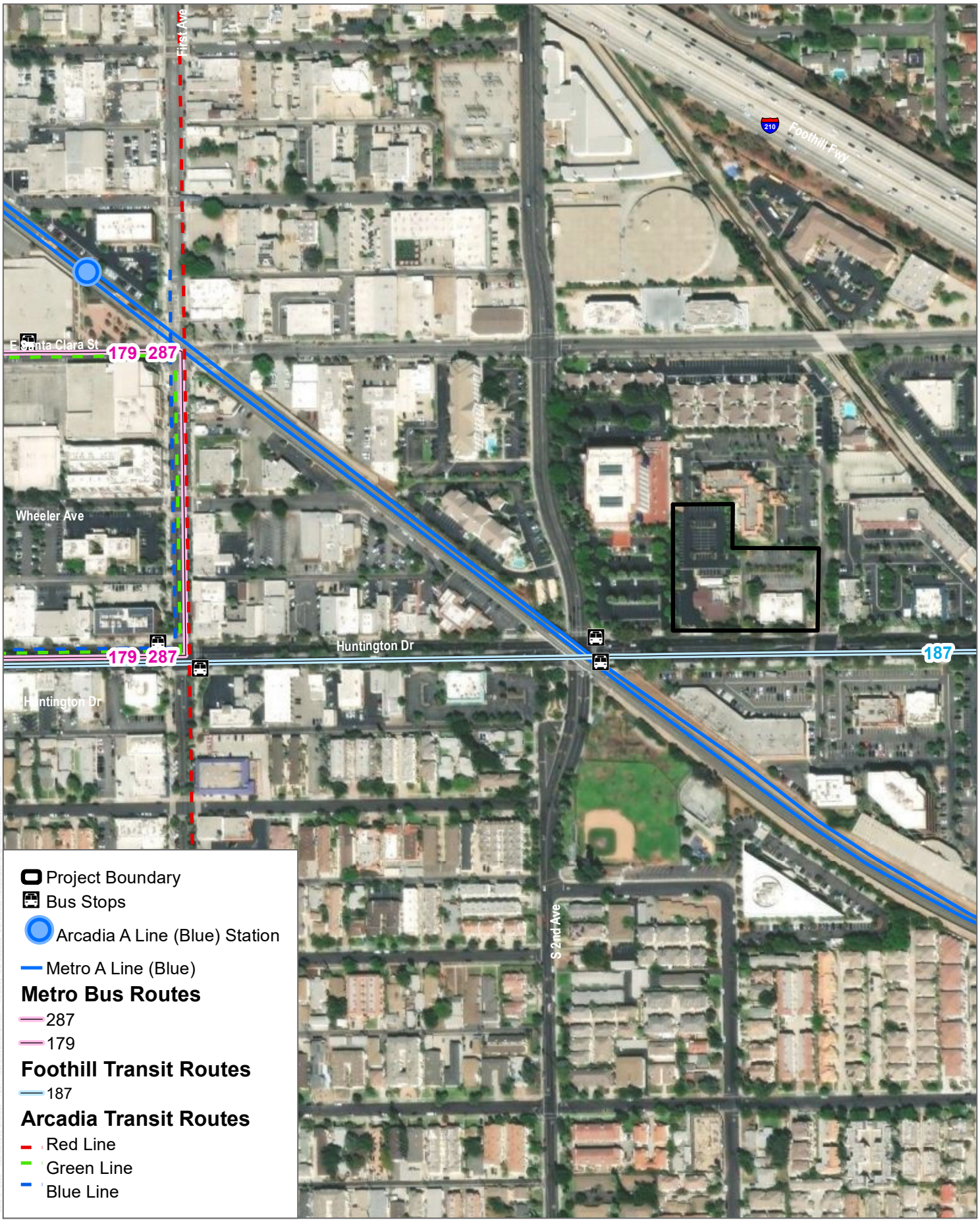
Arcadia Transit provides fixed-route public transit service with three lines (e.g., Green, Blue and Red Lines). The Green and Red Lines operate in the vicinity of the project site. The Green Line connects the Arcadia Metro A Line Station with Santa Anita Park, City Hall, Methodist Hospital, Westfield Santa Anita Mall, and the Los Angeles County Arboretum (City of Arcadia 2022). The Red Line runs north-south along 1st Avenue and 6th Avenue connecting communities in the east of Arcadia to many local activity centers and the Arcadia Metro A Line Station. These lines provide headways of generally one to two buses during the weekday morning peak hour and two to three buses during the weekday afternoon peak hour.

Arcadia Dial-A-Ride is a demand-response service providing curb-to-curb transportation to seniors and persons with disabilities to and from any destination within the Arcadia city boundaries. The service is provided based on space availability and is open Monday through Friday from 7:00 AM to 9:00 PM and Saturday/Sunday from 7:00 AM to 7:00 PM. Trip requests can be made the same day or up to seven days in advance.

2.3 Pedestrian and Bicycle Facilities

Sidewalks are generally present throughout the study area, and marked crosswalks are provided at all major arterial intersections. Pedestrian access to the project is provided along all the roadways surrounding the project site. Bicycle facilities in the City are limited; however, the City looks for funding opportunities on an ongoing basis to improve the City's transportation system (City of Arcadia 2022). There is a Class III bike route (signed route only) on 5th Avenue, between Duarte Road and Foothill Boulevard, approximately 1,000 feet east of the site. The City also recently added 3.6 miles of Class II bike lanes on E. Huntington Drive, and approximately 2 miles of Class II bike lanes on 1st Avenue/Highland Oak Drive, between Duarte Road and Orange Grove Avenue (StreetsBlog LA 2020). Bike lockers and parking are also provided at the Arcadia Metro A Line Station.

Arcadia has not previously prepared or adopted a bikeway master plan. However, the City's General Plan Circulation and Infrastructure Element includes a Bikeway Plan (see Figure 4) that identifies bicycle routes to accommodate a future bicycle plan which will link to regional routes such as the Rio Hondo bike path system, south of the project site (City of Arcadia 2021). The proposed Bicycle Plan includes routes planned around the project site, including a planned Class I bike path along Santa Anita Avenue. However, it should be noted that the City has constructed routes that may differ from those shown in Figure 4. For example, a Class II bike lane has been constructed along Santa Clara Street, between 1st Avenue and 5th Avenue; and a Class II bike lane has been constructed along 1st Avenue/Highland Oak Drive, between Duarte Road and Orange Grove Avenue, in place of the Class III bike lane.



SOURCE: ESRI 2014

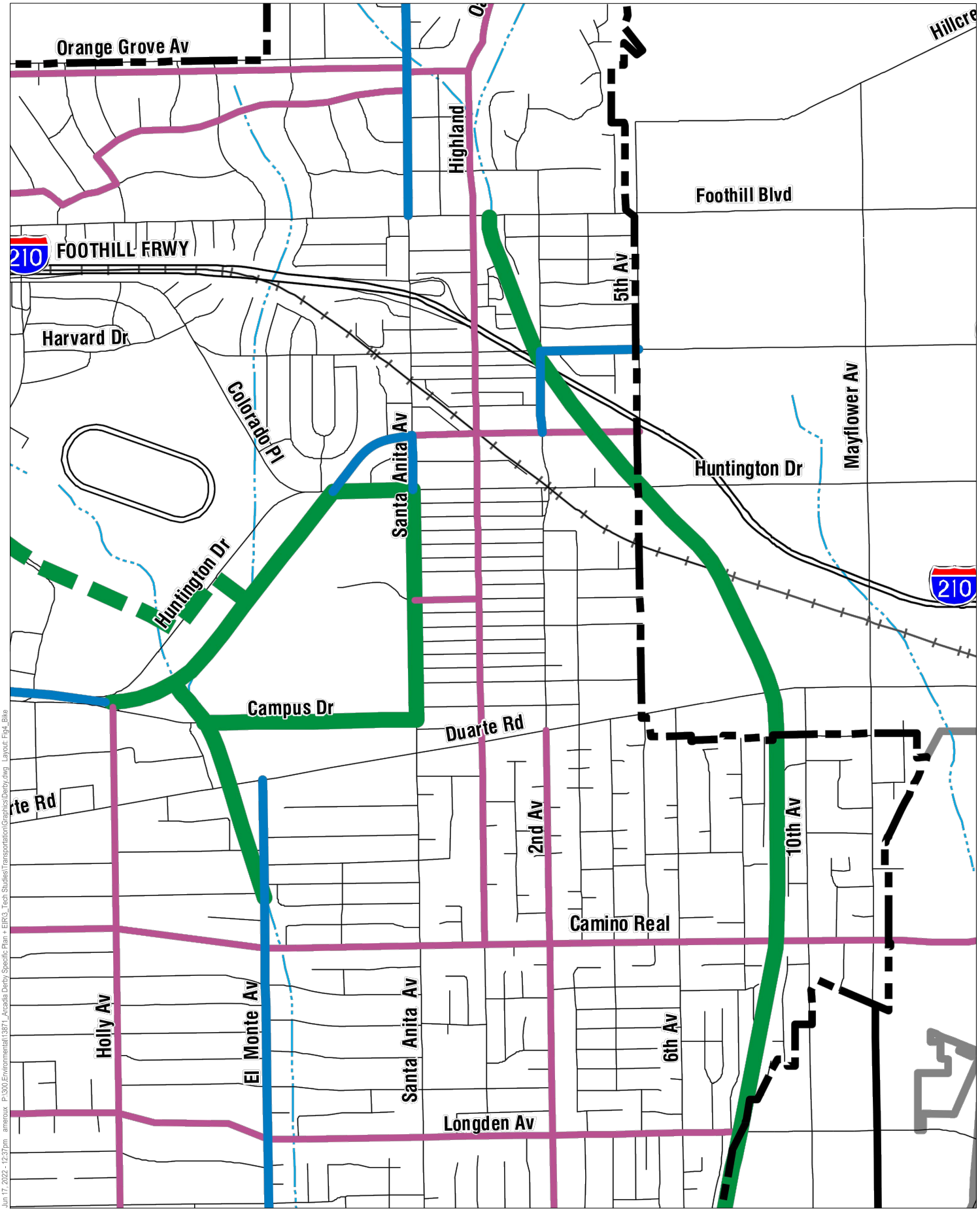
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Figure 3

Existing Transit Facilities

Derby Mixed Use Project



SOURCE: City of Arcadia 2010

Figure 4

Bikeway Plan

Derby Mixed Use Project

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3 Project Trip Generation and Distribution

3.1 Trip Generation

Trip generation estimates for the proposed project are based on daily and AM and PM peak hour trip generation rates obtained from the Institute of Transportation Engineers (ITE) *Trip Generation Handbook, 11th Edition* (2021).

The existing Derby restaurant and Souplantation will be demolished with construction of the proposed project. A trip credit has been applied for the Derby restaurant which is currently in operation. However, the Souplantation has been closed for more than a year and therefore is not included in the trip credit. Additionally, given the mix of land uses, an internal trip capture was applied to the project based on the Transportation Research Board's National Cooperative Highway Research Program (NCHRP) methodology for internal trip capture.

As shown in Table 1 below, the proposed project would generate 2,163 net daily trips, 219 net AM peak hour and 175 net PM peak hour trips.

Table 1. Project Trip Generation

Land Use	ITE Code	Size/Unit	Daily	AM Peak Hour			PM Peak Hour		
				In	Out	Total	In	Out	Total
Trip Rates[1]									
Multifamily Housing (Mid-Rise)	221	per DU	4.54	0.09	0.28	0.37	0.24	0.15	0.39
Fine Dining	931	per TSF	83.84	0.37	0.37	0.73	5.23	2.57	7.80
High-Turnover (Sit-Down) Restaurant	932	per TSF	107.20	5.26	4.31	9.57	5.52	3.53	9.05
Coffee/Donut Shop without Drive-Through Window[2]	936	per TSF	322.90	47.47	45.61	93.08	16.15	16.15	32.29
Trip Generation of Proposed Project									
Residential	221	214 DU	972	18	61	79	51	33	83
Café	936	1.400 TSF	452	66	64	130	23	23	45
The Derby Restaurant	931	12.850 TSF	1,077	5	5	10	67	33	100
Additional Restaurant	932	3.300 TSF	354	17	14	32	18	12	30
Total Proposed Trip Generation (w/o Internal Trip Capture)			**2,855**	**107**	**144**	**251**	**159**	**100**	**259**
Total Internal trip capture[3]			*-105*	*-13*	*-13*	*-26*	*-15*	*-15*	*-29*

Table 1. Project Trip Generation

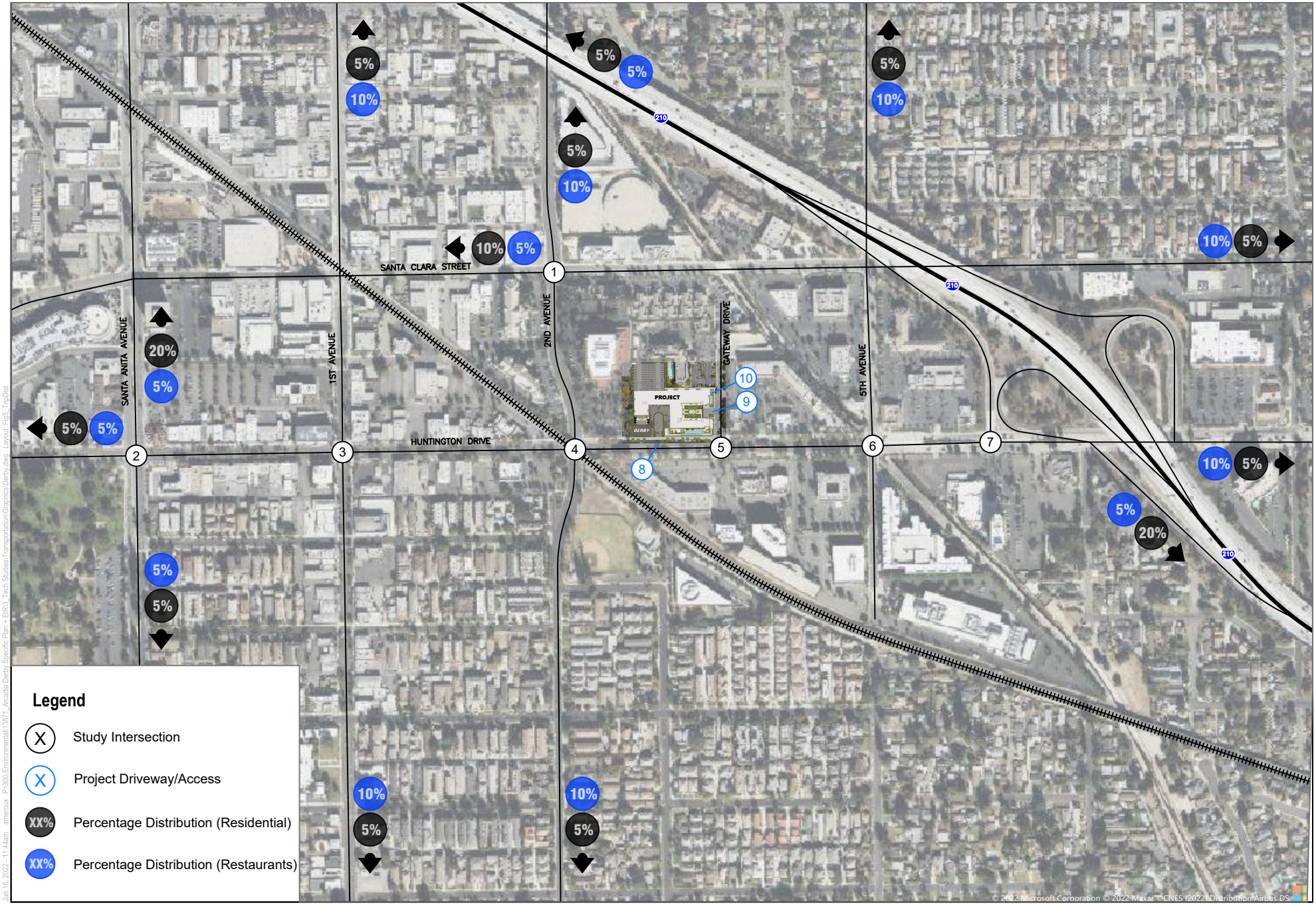
Land Use	ITE Code	Size/Unit	Daily	AM Peak Hour			PM Peak Hour		
				In	Out	Total	In	Out	Total
Total Proposed Trip Generation (w/Internal Trip Capture)			2,750	94	131	225	145	85	230
Trip Generation of Existing Land Uses (to be removed)									
The Derby Restaurant	931	7.000 TSF	587	3	3	6	37	18	55
Net Trip Generation									
NET Total (Proposed - Existing)			2,268	104	141	245	122	82	204
NET Total (Proposed - Existing) w/Internal Trip Capture			2,163	92	128	219	108	67	175

Notes:
[1] Trip rates from the Institute of Transportation Engineers, Trip Generation, 11th Edition, 2021
[2]. No ITE daily trip rate is provided for land use. Daily rate is assumed to be 10 times the PM peak hour rate.
[3]. Consistent with the ITE Trip Generation Handbook, project trip generation was adjusted to account for internal capture between the restaurant and residential components using NCHRP methodology. Daily internal trip capture is estimated from the lowest ITC

3.2 Trip Distribution and Assignment

Project trip distribution percentages are based on logical travel paths to and from the project site, review of traffic studies conducted for nearby projects, and consideration of the traffic distribution patterns in the area. The project trip distribution percentages are shown in Figure 5.

As shown in Table 1, the trips associated with the existing Derby restaurant were subtracted from the trips associated with the total proposed land uses. Figure 6 illustrates the trips to be removed at the existing driveway along E. Huntington Drive, Figure 7 illustrates the total proposed project trips to be added, and Figure 8 shows the net proposed project trips (proposed minus existing) at all study intersections and project driveways.



SOURCE: Bing Maps; [au]workshop 2021

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Figure 5

Proposed Project Trip Distribution

Derby Mixed Use Project



Legend

(X) Weekday AM Peak Hour Traffic Volumes

X Weekday PM Peak Hour Traffic Volumes

SOURCE: Bing Maps; [au]workshop 2021

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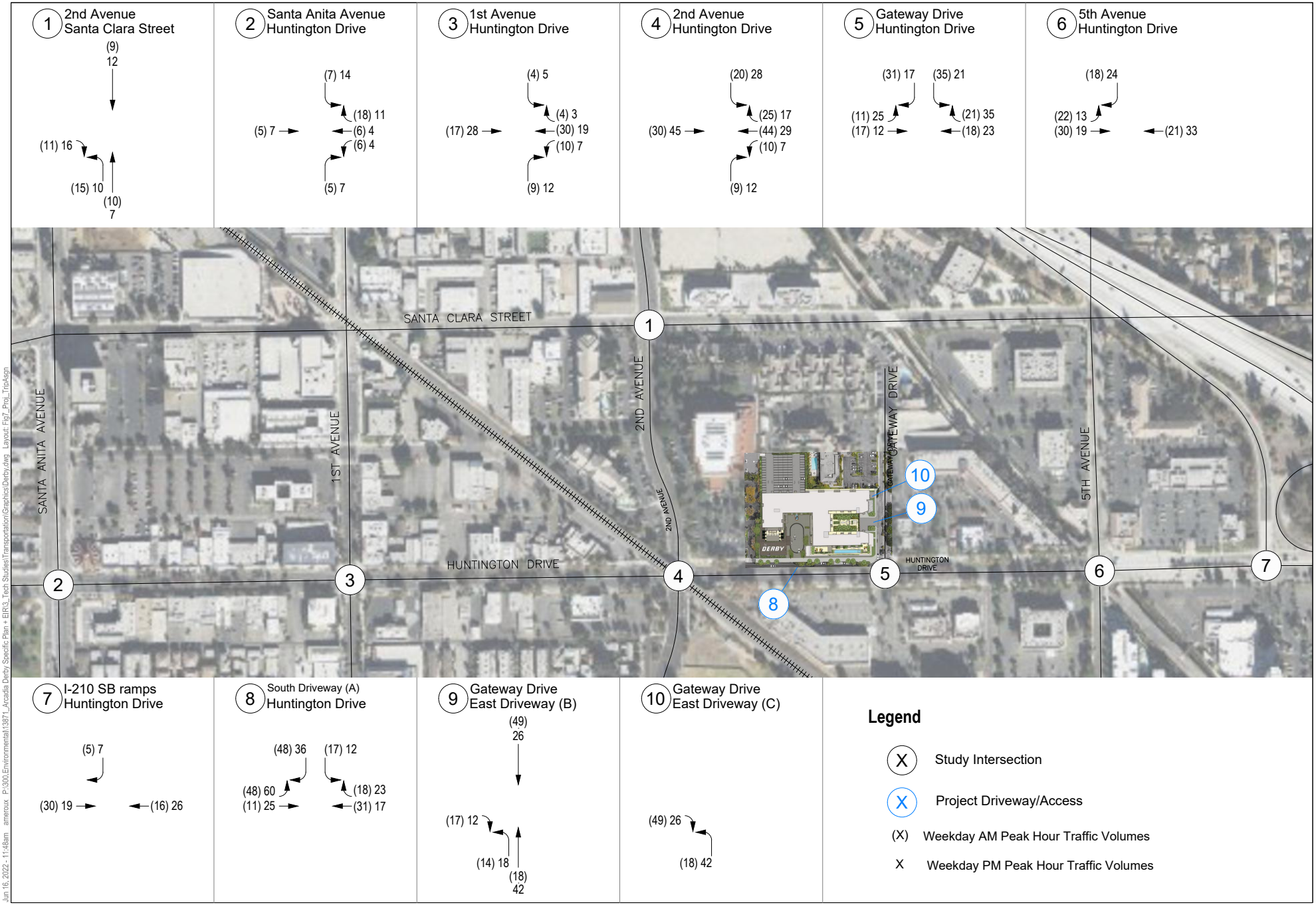
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Figure 6

Existing Land Use (to be removed) Trip Assignment

Derby Mixed Use Project

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SOURCE: Bing Maps; [au]workshop 2021

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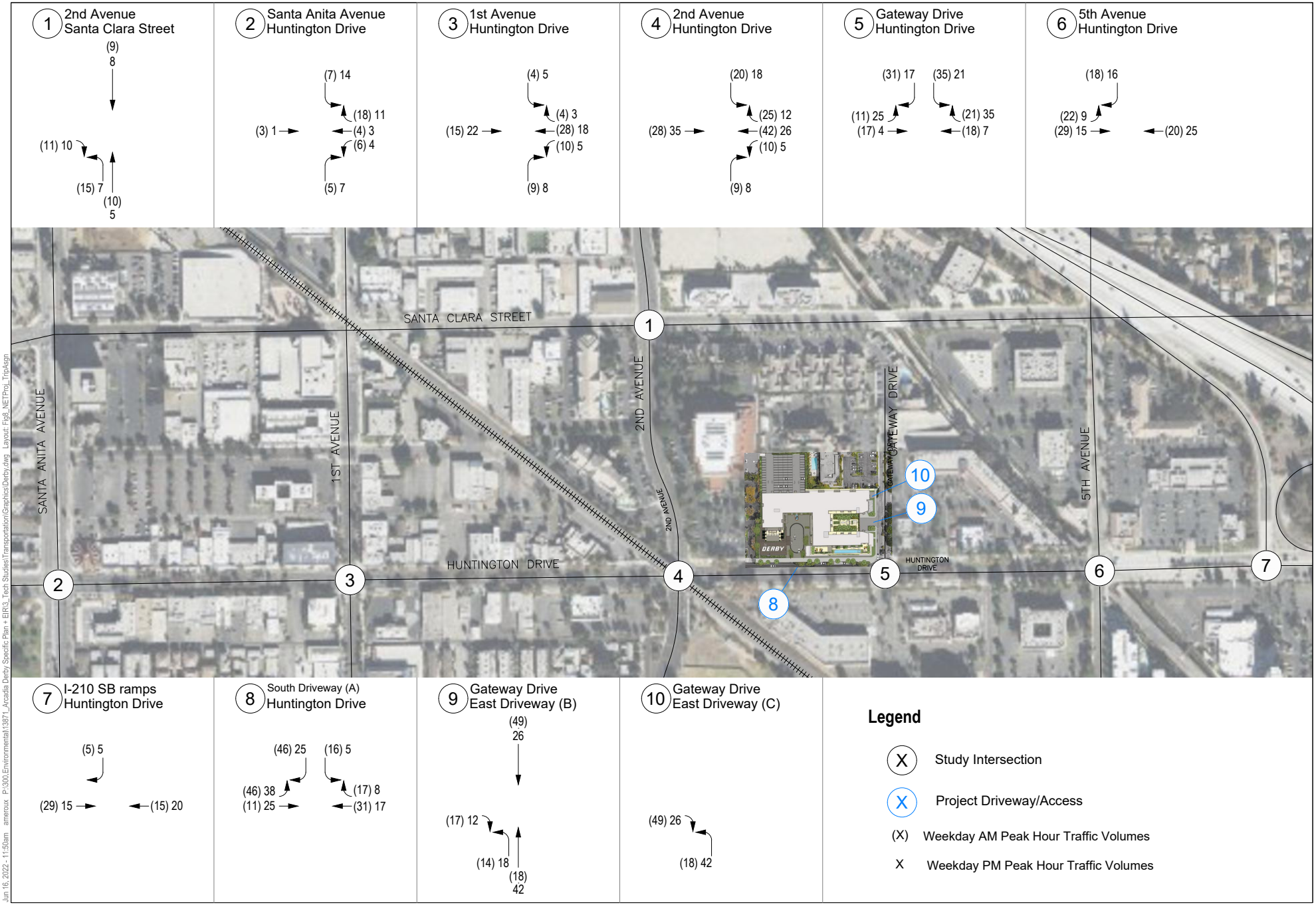
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Figure 7

Project Trip Assignment (w/Internal Trip Capture)

Derby Mixed Use Project

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SOURCE: Bing Maps; [au]workshop 2021

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Figure 8

NET Project Trip Assignment (w/Internal Trip Capture)

Derby Mixed Use Project

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4 Level of Service (LOS) Analysis

The City has vehicle LOS standards in its General Plan Circulation and Infrastructure Element that the City will strive to maintain through various projects designed to improve local infrastructure. The LOS standards apply to discretionary approvals of new land use and transportation projects. This LOS analysis has been prepared to evaluate the project's consistency with the City of Arcadia General Plan Circulation and Infrastructure Element.

4.1 Study Intersections

Per the City of Arcadia Transportation Study Guidelines for Vehicle Miles Traveled and Level of Service Assessment (City of Arcadia 2022), the study area intersections included in this analysis consist of, at least, the intersections of roadways where the project would generate 51 or more peak hour trips through those intersections. The following signalized intersections meet these requirements and comprise the study area:

1. 2nd Avenue/Santa Clara Street
2. Santa Anita/E. Huntington Drive
3. 1st Avenue/E. Huntington Drive
4. 2nd Avenue/E. Huntington Drive
5. Gateway Drive/E. Huntington Drive
6. 5th Avenue/E. Huntington Drive
7. I-210 SB ramps/E. Huntington Drive

4.2 Analysis Scenarios

Consistent with the City's Guidelines, intersection LOS analyses were prepared for the weekday AM and PM peak hours at the study area intersections listed above for the following analysis scenarios:

- Existing (2022) Conditions
- Opening Year (2025) No Project (future short-term year with cumulative projects and ambient growth)
- Opening Year (2025) Plus Project
- Horizon Year (2040) No Project (future year with cumulative projects and ambient growth
- Horizon Year (2040) Plus Project

The City's Guidelines note that if it is determined that the project contributes traffic to an intersection operating at an unacceptable LOS, the project requires a General Plan Amendment or otherwise proposes development that exceeds the land use intensity assumed for the General Plan, and/or at the City Traffic Engineer request, an analysis of the Horizon Year (with and without project) should be conducted. Because the project is requesting a General Plan Amendment to change the project site zoning, an analysis of the horizon year scenario was conducted.

4.3 Traffic Volumes

AM and PM peak hour intersection turning movement counts were collected on Tuesday, April 12, 2022 at the study intersections. The raw traffic data is provided as Appendix A. The Opening Year condition represents a short-term horizon period (less than 5 years) when the proposed project is constructed and fully occupied. Peak hour traffic forecasts for the Year 2025 have been projected by increasing the traffic volumes by an annual growth rate of 1.0% per year, consistent with traffic volume growth factors provided in Exhibit D-1 of the 2010 Congestion Management Plan and the population growth forecasts between 2020 and 2040 provided in the 2016-2040 Regional Transportation Plan/STC, and adding traffic volumes generated by seven cumulative projects. Horizon Year volumes represent the future long-term horizon year at build-out of the General Plan and have also been projected by applying a 1.0% annual growth rate per year and adding traffic volumes generated by the cumulative projects.

4.4 Analysis Methodology

LOS is commonly used as a qualitative description of intersection operations and is based on the design capacity of the intersection configuration and roadway facility, compared to the volume of traffic using the facility. The City's intersection evaluation methodology to assess transportation impacts and traffic operating conditions for signalized intersections is based on the Intersection Capacity Utilization (ICU) methodology. The ICU method determines the volume-to-capacity (V/C) ratio on a critical movement basis and the LOS associated with each V/C ratio at an intersection. These methods are used to assess operational characteristics for signalized intersections which is determined by calculating the intersection's LOS. The intersection as a whole and its individual turning movements can be described alphabetically with a range of LOS (A through F), with LOS A indicating free-flow traffic and LOS F indicating extreme congestion and long vehicle delays.

The PTV Vistro software was used to determine intersection LOS (for all scenarios). Detailed LOS calculation worksheets (for all scenarios) are included in Appendix B. Table 2 shows the LOS values by delay ranges for signalized intersections under the ICU methodology for signalized intersections.

Table 2. Level of Service for Criteria

Level of Service	Signalized Intersections (vehicle/capacity – v/c)
A	≤ 0.600
B	> 0.600 and ≤ 0.700
C	> 0.700 and ≤ 0.800
D	> 0.800 and ≤ 0.900
E	> 0.900 and ≤ 1.000
F	> 1.000

4.5 General Plan Consistency Requirements

The LOS thresholds and impact criteria identified in the City of Arcadia General Plan Circulation and Infrastructure Element and the Transportation Study Guidelines for Vehicle Miles Traveled and Level of Service Assessment were used to evaluate the project's potential impacts on intersection LOS, as described below.

City of Arcadia General Plan Circulation and Infrastructure Element

The acceptable LOS for intersections in the City is D or better as established in the City's General Plan. LOS E is considered acceptable at intersections adjacent to freeway ramps; adjacent to Santa Anita Park during the racing season; and in areas designated as Downtown, Baldwin Avenue, and Live Oak Avenue commercial and mixed-used districts. Any intersection operating at an LOS grade worse than the acceptable condition is considered deficient. LOS E would serve as the acceptable threshold for intersections 1, 2, 3, 4, and 7 as these intersections fall within the Downtown mixed-use district or are adjacent to freeway ramps. LOS D would serve as the acceptable threshold for intersections 5 and 6 as they fall outside of these areas.

Signalized intersections will require improvements if one of the following conditions is met:

- LOS C - Project V/C increase 0.04 or more
- LOS D - Project V/C increase 0.02 or more
- LOS E/F - Project V/C increase 0.01 or more

The fair share cost for the proposed improvements in the cumulative condition should also be calculated. Fees paid through the City of Arcadia Transportation Impact Fee Program (TIFP) will be considered sufficient if the intersection improvement is identified as a planned project in the General Plan.

4.6 Existing (2022) Conditions

Existing traffic controls and geometrics at all study intersections are shown in Figure 9 and existing peak hour traffic volumes are shown in Figure 10. Although a specific LOS analysis is not conducted for an Existing plus Project scenario per the City's guidelines, Existing plus Project traffic volumes are provided at all study intersections for informational purposes only. The net proposed project trip assignments shown in Figure 8 were added to the existing peak hour traffic volumes shown in Figure 10 to derive the Existing plus Project peak hour traffic volumes shown in Figure 11. Table 3 summarizes the results of the intersection analysis for the AM and PM peak hours for existing conditions. As shown, all the study intersections are currently operating at satisfactory levels of service under existing conditions.

Table 3. Existing Weekday Peak Hour Intersection LOS

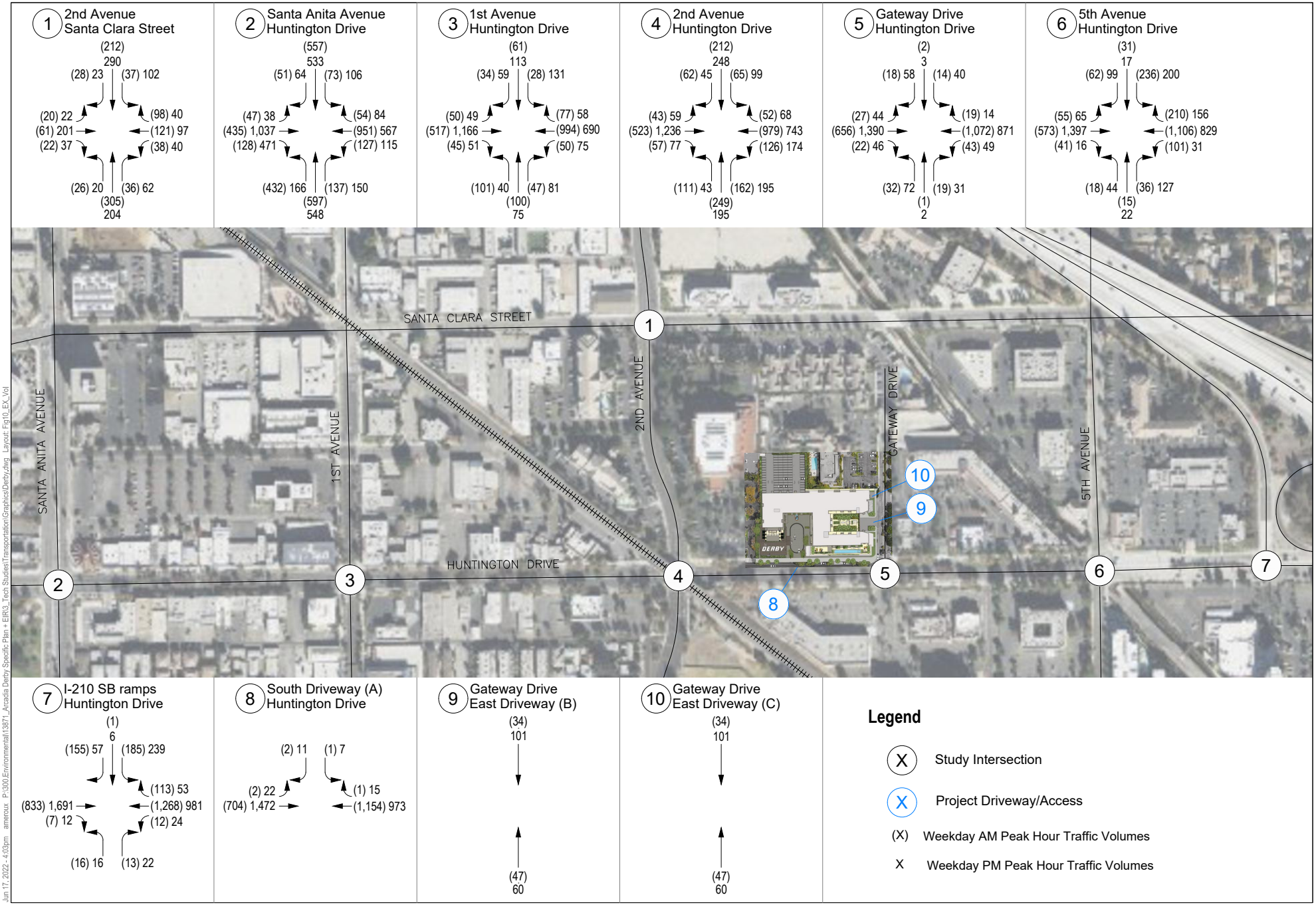
No.	Intersection	Traffic Control	LOS Method	Acceptable LOS	Existing			
					AM Peak		PM Peak	
					V/C	LOS	V/C	LOS
1	2nd Ave./Santa Clara St.	Signal	ICU	E	0.404	A	0.433	A
2	Santa Anita Ave./E. Huntington Dr.	Signal	ICU	E	0.710	C	0.682	B
3	1st Ave./E. Huntington Dr.	Signal	ICU	E	0.565	A	0.656	B
4	2nd Ave./E. Huntington Dr.	Signal	ICU	E	0.556	A	0.673	B
5	Gateway Dr./E. Huntington Dr.	Signal	ICU	D	0.389	A	0.565	A
6	5th Ave./E. Huntington Dr.	Signal	ICU	D	0.617	B	0.747	C
7	I-210 SB ramps/E. Huntington Dr.	Signal	ICU	E	0.575	A	0.546	A

Table 3. Existing Weekday Peak Hour Intersection LOS

No.	Intersection	Traffic Control	LOS Method	Acceptable LOS	Existing			
					AM Peak		PM Peak	
					V/C	LOS	V/C	LOS

Source: Appendix B
Notes: Intersection Capacity Utilization = ICU; V/C = Volume to Capacity; LOS = Level of Service

Figure 9 – Existing Intersection Controls and Geometrics



SOURCE: Bing Maps; [au]workshop 2021

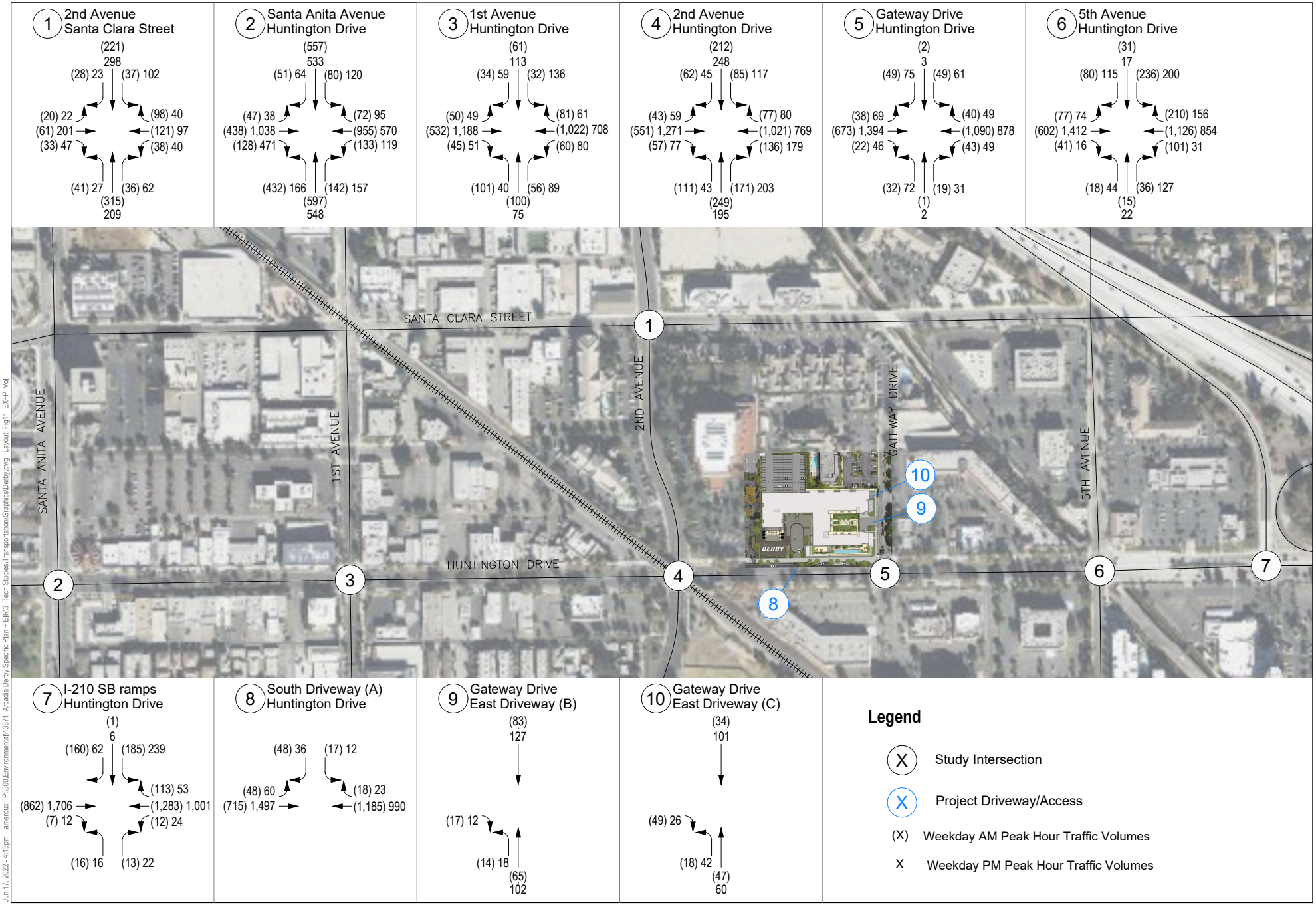
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Figure 10

Existing Peak Hour Traffic Volumes

Derby Mixed Use Project

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SOURCE: Bing Maps; [au]workshop 2021

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Figure 11

Existing plus NET Proposed Project Peak Hour Traffic Volumes

Derby Mixed Use Project

4.7 Opening Year (2025) No Project

This section presents the results of a cumulative condition analysis that was conducted for a short-term horizon year (Year 2025) assuming the proposed project is constructed and fully occupied.

4.7.1 Cumulative Projects

Cumulative projects are projects that are proposed and in the development review process, but not yet fully approved; or projects that have been approved, but not fully constructed or occupied. The following projects listed in Table 4 were provided per communication with City staff and are included in the Opening Year (2025) and Horizon Year (2040) analyses.

Table 4. Cumulative Projects

Address	Name/Use	Units	Square Footage (SF)	Status
City of Arcadia				
205 N. Santa Anita Ave.	Santa Anita Mixed Use	108 Residential	7,787 SF Commercial	In Planning
117 E. Huntington Dr.	Huntington Plaza/Mixed Use	139 Residential	10,200 SF Commercial	Approved; In plan-check under Building Services
125 W. Huntington Dr.	Hilton Hotel	175 Hotel rooms	2,500 SF Restaurant	Under construction
142 La Porte Street	New Warehouse	—	3,384 SF	Approved; In plan-check under Building Services
150 La Porte Street	New Warehouse	—	4,004 SF	Approved
11-19 W. Huntington and 25 N. Santa Anita	Mixed Use	181 Residential (condos)	13,130 SF Commercial	Pending approval
150 N. Santa Anita Ave.	Alexan Mixed-Use Development Project	319 Residential (Existing 8 story commercial building to be retained)	—	In plan-check under Building Services
City of Monrovia				
102-140 W. Huntington Dr.	TownePlace Suites	109 hotel rooms	—	Approved
820 Huntington Dr.	Chick-Fil-A/Starbucks	—	4,562 SF Restaurant; 2,200 SF Starbucks	Operational (Chick-Fil-A) / Under construction (Starbucks)
945 W. Huntington Dr.	Raising Cane's	—	3,172 SF	Operational

Source: Correspondence with the City of Arcadia, June 21, 2023; City of Monrovia Planning Department website, June 21, 2023.

Project trip generation for the cumulative projects were estimated using trip generation rates provided by the ITE *Trip Generation Handbook*, 11th Edition, or derived from traffic impact analyses, where available. As shown in Table 5, the cumulative projects are forecast to generate approximately 9,870 daily trips, 783 AM peak hour trips, and 913 PM peak hour trips. Figure 12 shows the locations of all cumulative projects, and Figure 13 shows the traffic volumes distributed throughout the network.

Table 5. Cumulative Projects Trip Generation

Land Use			ITE Code	Size/Units		Daily	AM Peak Hour			PM Peak Hour		
							In	Out	Total	In	Out	Total
Trip Rates[1]												
Warehousing			150	per TSF		1.71	0.13	0.04	0.17	0.05	0.13	0.18
Multifamily Housing (Low-Rise)			220	per DU		6.74	0.10	0.30	0.40	0.32	0.19	0.51
Multifamily Housing (Mid-Rise)			221	per DU		4.54	0.09	0.28	0.37	0.24	0.15	0.39
Hotel			310	per Room		7.99	0.26	0.20	0.46	0.29	0.30	0.59
General Office Building			710	per TSF		10.84	1.34	0.18	1.52	0.24	1.20	1.44
Medical-Dental Office Building			720	per TSF		36.00	2.45	0.65	3.10	1.18	2.75	3.93
Strip Retail Plaza (<40k)			822	per TSF		54.45	1.42	0.94	2.36	3.30	3.30	6.59
High-Turnover (Sit-Down) Restaurant			932	per TSF		107.20	5.26	4.31	9.57	5.52	3.53	9.05
No.	**Trip Generation**											
City of Arcadia[2]												
A1	Santa Anita Mixed Use	205 N. Santa Anita Ave.	221	108	DU	490	9	31	40	26	16	42
			822	7.787	TSF	424	11	7	18	26	26	51
					Total A1	*914*	*20*	*38*	*58*	*51*	*42*	*93*
A2	Huntington Plaza/Mixed Use	117 E. Huntington Dr.	221	139	DU	631	12	40	51	33	21	54
			822	10.200	TSF	555	14	10	24	34	34	67
					Total A2	*1,186*	*26*	*49*	*76*	*67*	*55*	*121*
A3	Hilton Hotel	125 W. Huntington Dr.	*Various[3]*			2,442	73	105	178	104	43	147
A4	Warehouse	142 La Porte Street	150	3.834	TSF	26	1	2	3	2	1	3
					A4 (PCE)[4]	*38*	*1*	*3*	*4*	*3*	*1*	*4*
A5	Warehouse	150 La Porte Street	150	4.004	TSF	*27*	*1*	*2*	*3*	*2*	*1*	*3*
					A5 (PCE)[4]	*40*	*1*	*3*	*4*	*3*	*1*	*4*
A6	Mixed-Use		220	181	DU	1,220	18	56	74	59	35	94

Table 5. Cumulative Projects Trip Generation

Land Use			ITE Code	Size/Units		Daily	AM Peak Hour In	AM Peak Hour Out	AM Peak Hour Total	PM Peak Hour In	PM Peak Hour Out	PM Peak Hour Total
		11-19 W. Huntington and 25 N. Santa Anita	822	13.130	TSF	715	19	12	31	43	43	87
					Total A6	*1,935*	*37*	*68*	*105*	*102*	*78*	*181*
A7	Mixed-Use	150 N. Santa Anita Ave.	*Various*[5]			1,424	38	94	132	100	66	166
					Total City of Arcadia Cumulative Project Trip Generation	7,954	196	359	555	428	286	715
					Total City of Arcadia Cumulative Project Trip Generation (PCE)	7,980	198	361	558	431	288	718
City of Monrovia[6]												
M1	Chick-fil-A/Starbucks Monrovia Project	Southwest corner of Encino Ave./Huntington Dr.	*Various*[7]			1,019	91	84	175	56	75	131
M2	TownePlace Suites	Southwest corner of Myrtle Ave./E. Huntington Dr.	310	109	Rooms	871	28	22	50	32	33	64
M3	Raising Canes	945 W. Huntington Dr.	N/A	3.172	TSF	N/A[8]						
					Total City of Monrovia Cumulative Project Trip Generation	*1,890*	*119*	*106*	*225*	*88*	*108*	*195*
					Total Cumulative Project Trip Generation	**9,844**	**315**	**465**	**780**	**516**	**394**	**910**
					Total Cumulative Project Trip Generation (PCE)	**9,870**	**317**	**467**	**783**	**519**	**396**	**913**

Notes: DU = dwelling unit; TSF = thousand square feet

[1]Trip rates from *Trip Generation Handbook*, 11tth Edition, Institute of Transportation Engineers (ITE), 2021.

[2] Cumulative projects provided by email correspondence with the City of Arcadia, 2022.

[3] Trip generation is shown as "net increase" (proposed uses - existing uses); provided from Appendix F, Transportation Impact Analysis (LLG, December 2019).

[4] Trips adjusted with Passenger Car Equivalents (PCE). PCE factors used from San Bernardino County CMP, Appendix B - Guidelines for CMP Traffic Impact Analysis Reports in San Bernardino County, 2016; vehicle mix and percent from SCAQMD, Warehouse Truck Trip Study Data Results and Usage, July 2014.

[5] Trip generation is shown as "net increase" (proposed uses - existing uses); provided from the Transportation Analysis Alexan Mixed-Use Development Project (Dudek, October 2021).

Table 5. Cumulative Projects Trip Generation

Land Use	ITE Code	Size/Units		AM Peak Hour			PM Peak Hour		
			Daily	In	Out	Total	In	Out	Total

[6] Cumulative projects provided from review of the City of Monrovia Development Review Committee (DRC) and Planning Commission agendas, per email correspondence with the City of Monrovia, 2022.

[7] Trip generation is shown as "net increase" (proposed uses - existing uses); provided from Traffic Impact Study for Chick-fil-A/Starbucks Monrovia Project (LLG, March 2021).

[8] Per communication with the City of Monrovia (May 25, 2023), no traffic impact study was required because the net change in project-generated trips falls below the City of Monrovia's traffic study thresholds.



SOURCE: ESRI 2014; City of Monrovia 2022; City of Arcadia 2022

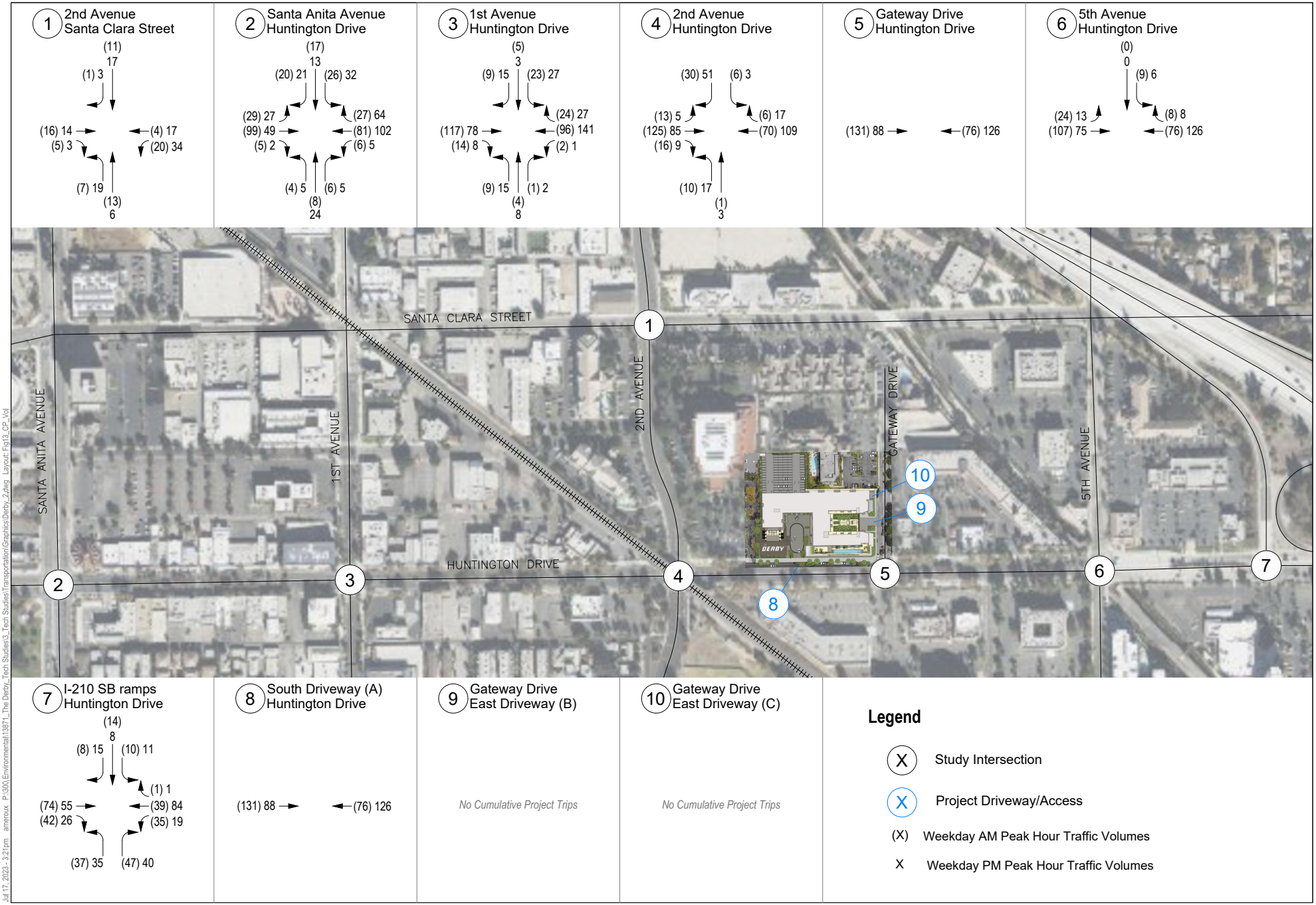
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Figure 12

Cumulative Project Locations

Derby Mixed Use Project



SOURCE: Bing Maps; [au]workshop 2021

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Figure 13

Cumulative Projects Peak Hour Traffic Volumes

Derby Mixed Use Project

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4.7.2 LOS Analysis

The existing intersection configurations have been assumed to be preserved under the Opening Year (2025) conditions. Figure 14 illustrates the Opening Year (2025) (no project) traffic volumes for the peak hour conditions. Table 6 summarizes the results of the Opening Year (2025) intersection analysis. As shown in the table, all the study area intersections are forecast to operate at satisfactory levels of service under Opening Year (2025) conditions.

Table 6. Opening Year (2025) Weekday Peak Hour Intersection LOS

No.	Intersection	Traffic Control	LOS Method	Acceptable LOS	Opening Year (2025)			
					AM Peak		PM Peak	
					V/C	LOS	V/C	LOS
1	2nd Ave./Santa Clara St.	Signal	ICU	E	0.420	A	0.476	A
2	Santa Anita Ave./E. Huntington Dr.	Signal	ICU	E	0.774	C	0.721	C
3	1st Ave./E. Huntington Dr.	Signal	ICU	E	0.626	B	0.718	C
4	2nd Ave./E. Huntington Dr.	Signal	ICU	E	0.604	B	0.719	C
5	Gateway Dr./E. Huntington Dr.	Signal	ICU	D	0.421	A	0.606	B
6	5th Ave./E. Huntington Dr.	Signal	ICU	D	0.671	B	0.791	C
7	I-210 SB ramps/E. Huntington Dr.	Signal	ICU	E	0.629	B	0.615	B

Source: Appendix B
Notes: Intersection Capacity Utilization = ICU; V/C = Volume to Capacity; LOS = Level of Service

4.8 Opening Year (2025) Plus Project

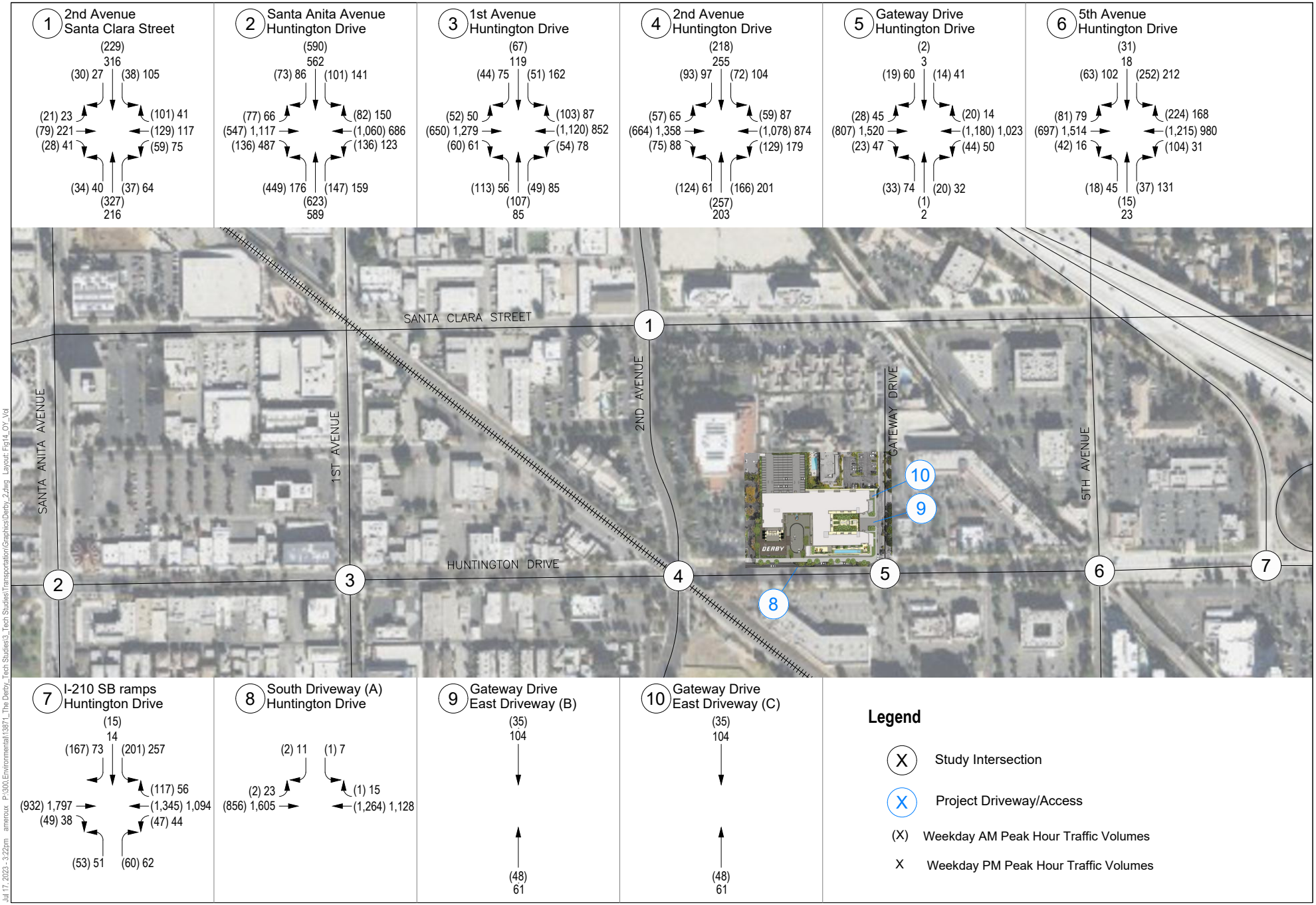
This section details the Opening Year (2025) traffic volumes and the intersection operations within the study area with the addition of project trips.

The net proposed project trip assignments were added to the Opening Year (2025) peak hour traffic volumes to derive the Opening Year (2025) plus Project peak hour traffic volumes shown in Figure 15. Table 7 summarizes the results of the Opening Year (2025) plus Project intersection analysis. As shown in the table, all the study area intersections are forecast to operate at satisfactory levels of service under Opening Year (2025) plus Project conditions.

Table 7. Opening Year (2025) Plus Project Weekday Peak Hour Intersection LOS

No.	Intersection	Acceptable LOS	Opening Year (2025)				Opening Year (2025) Plus Project				Change in V/C		LOS Threshold Exceeded?	
			AM Peak		PM Peak		AM Peak		PM Peak					
			V/C	LOS	V/C	LOS	V/C	LOS	V/C	LOS	AM	PM	AM	PM
1	2nd Ave./Santa Clara St.	E	0.420	A	0.476	A	0.423	A	0.484	A	0.003	0.008	No	No
2	Santa Anita Ave./E. Huntington Dr.	E	0.774	C	0.721	C	0.775	C	0.726	C	0.001	0.005	No	No
3	1st Ave./E. Huntington Dr.	E	0.626	B	0.718	C	0.636	B	0.734	C	0.010	0.016	No	No
4	2nd Ave./E. Huntington Dr.	E	0.604	B	0.719	C	0.636	B	0.747	C	0.032	0.028	No	No
5	Gateway Dr./E. Huntington Dr.	D	0.421	A	0.606	B	0.455	A	0.617	B	0.034	0.011	No	No
6	5th Ave./E. Huntington Dr.	D	0.671	B	0.791	C	0.690	B	0.795	C	0.019	0.004	No	No
7	I-210 SB ramps/E. Huntington Dr.	E	0.629	B	0.615	B	0.636	B	0.618	B	0.007	0.003	No	No

Source: Appendix B
Notes: Intersection Capacity Utilization = ICU; V/C = Volume to Capacity; LOS = Level of Service



SOURCE: Bing Maps; [au]workshop 2021

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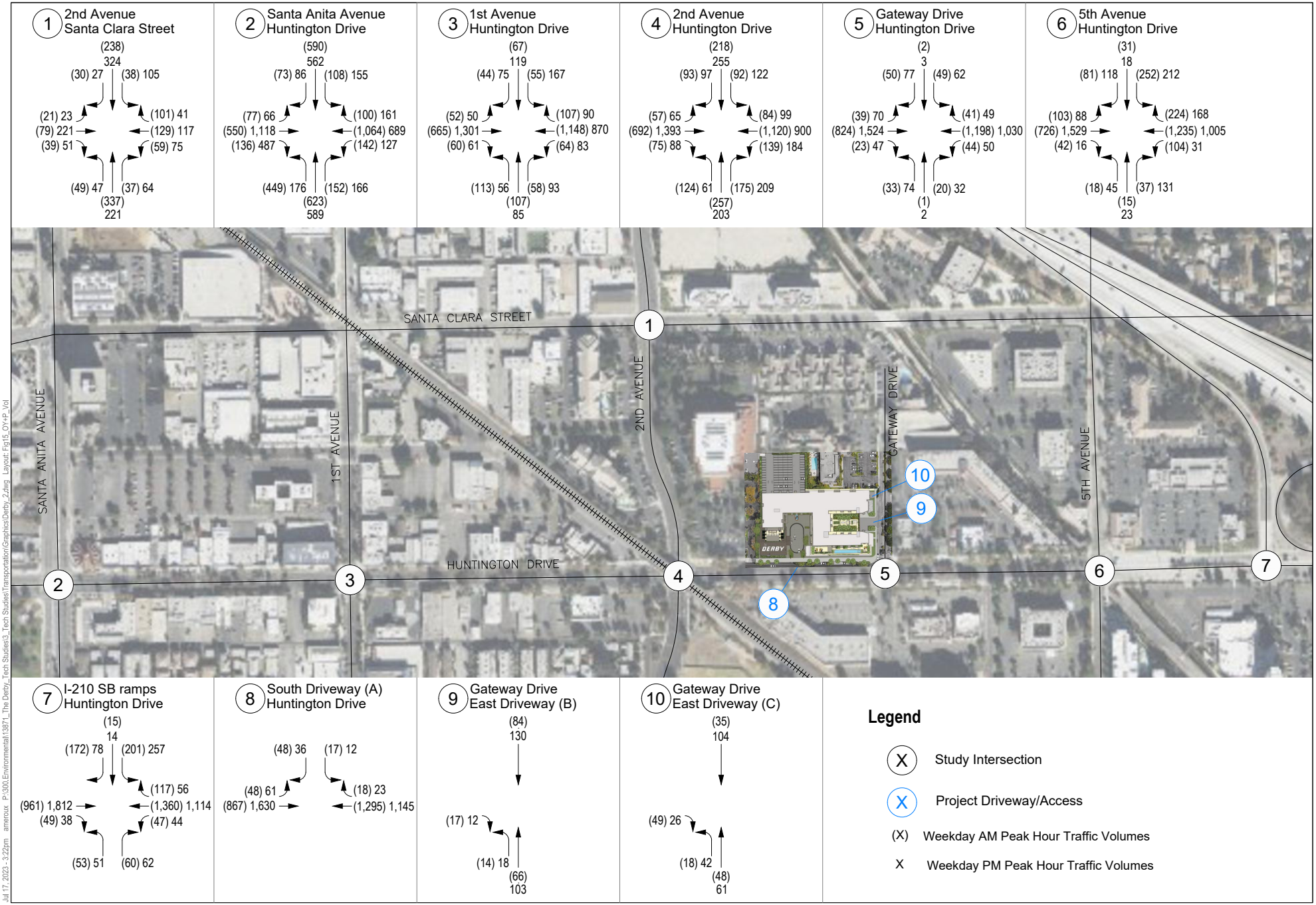
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Figure 14

Opening Year (2024) Peak Hour Traffic Volumes

Derby Mixed Use Project

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SOURCE: Bing Maps; [au]workshop 2021

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Figure 15

Opening Year (2024) plus NET Proposed Project Peak Hour Traffic Volumes

Derby Mixed Use Project

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4.9 Horizon Year (2040) No Project

This section presents the results of a future horizon (buildout year) of 2040. As with Opening Year (2025) conditions, the existing intersection configurations have been assumed to be preserved under the Horizon Year (2040) conditions.

Figure 16 illustrates the Horizon Year (2040) (no project) traffic volumes for the peak hour conditions. Table 8 summarizes the results of the Horizon Year (2040) intersection analysis. As shown in the table, all the study area intersections are currently operating at satisfactory levels of service under Horizon Year (2040) conditions.

Table 8. Horizon Year (2040) Weekday Peak Hour Intersection LOS

No.	Intersection	Traffic Control	LOS Method	Acceptable LOS	Horizon Year (2040)			
					AM Peak		PM Peak	
					V/C	LOS	V/C	LOS
1	2nd Ave./Santa Clara St.	Signal	ICU	E	0.429	A	0.500	A
2	Santa Anita Ave./E. Huntington Dr.	Signal	ICU	E	0.885	D	0.827	D
3	1st Ave./E. Huntington Dr.	Signal	ICU	E	0.706	C	0.838	D
4	2nd Ave./E. Huntington Dr.	Signal	ICU	E	0.684	B	0.829	D
5	Gateway Dr./E. Huntington Dr.	Signal	ICU	D	0.500	A	0.697	B
6	5th Ave./E. Huntington Dr.	Signal	ICU	D	0.778	C	0.895	D
7	I-210 SB ramps/E. Huntington Dr.	Signal	ICU	E	0.716	C	0.682	B

Source: Appendix B
Notes: Intersection Capacity Utilization = ICU; V/C = Volume to Capacity; LOS = Level of Service

4.10 Horizon Year (2040) Plus Project

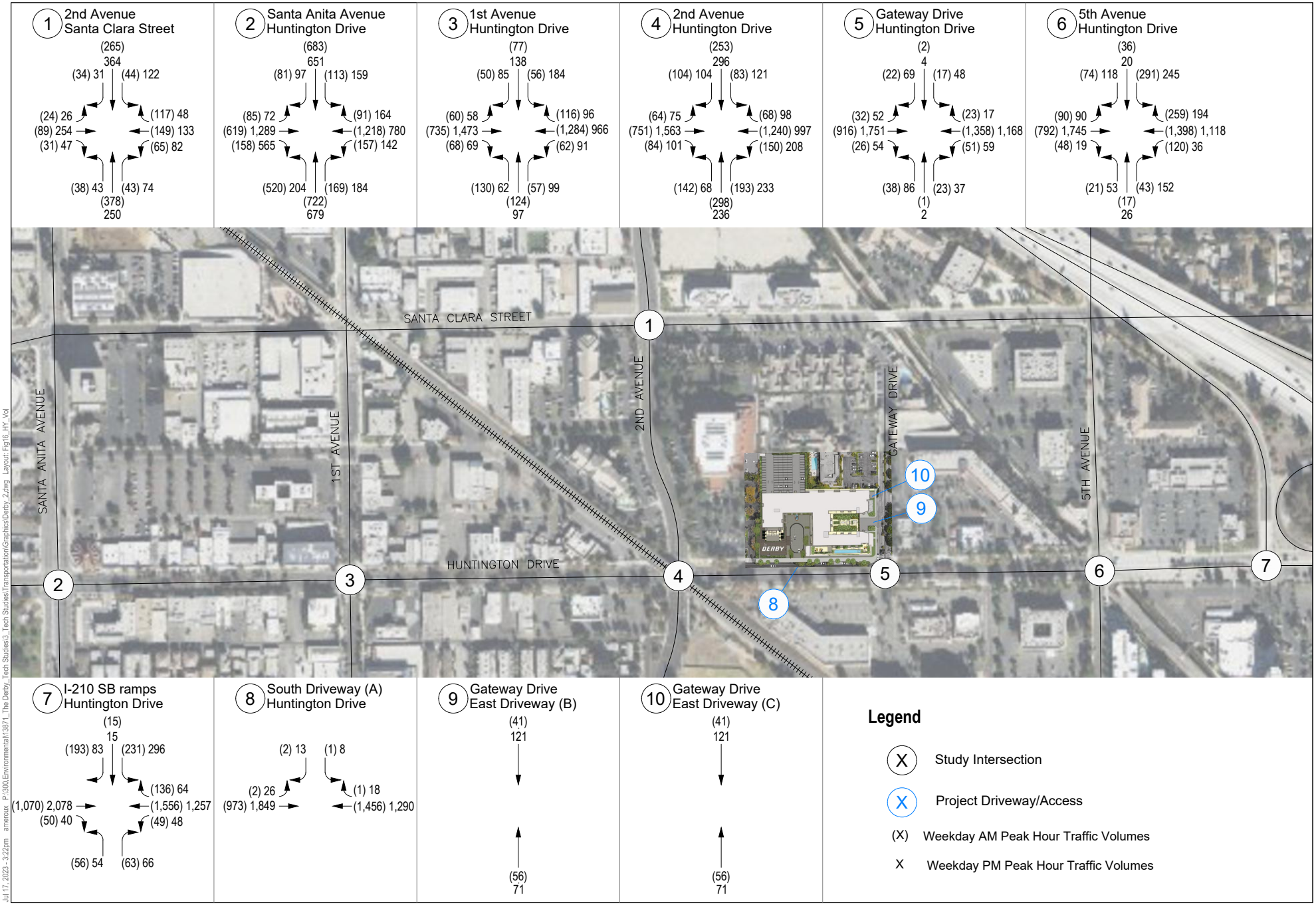
This section details the Horizon Year (2040) traffic volumes and the intersection operations within the study area with the addition of project trips.

The net proposed project trip assignments were added to the Horizon Year (2040) peak hour traffic volumes to derive the Horizon Year (2040) plus Project peak hour traffic volumes shown in Figure 17. Table 9 summarizes the results of the Horizon Year (2040) plus Project intersection analysis. As shown in the table, all the study area intersections are forecast to operate at satisfactory levels of service under Horizon Year (2040) plus Project conditions.

Table 9. Horizon Year (2040) Plus Project Weekday Peak Hour Intersection LOS

No.	Intersection	Acceptable LOS	Horizon Year (2040)				Horizon Year (2040) Plus Project				Change in V/C		LOS Threshold Exceeded?	
			AM Peak		PM Peak		AM Peak		PM Peak					
			V/C	LOS	V/C	LOS	V/C	LOS	V/C	LOS	AM	PM	AM	PM
1	2nd Ave./Santa Clara St.	E	0.429	A	0.500	A	0.471	A	0.538	A	0.042	0.038	No	No
2	Santa Anita Ave./E. Huntington Dr.	E	0.885	D	0.827	D	0.875	D	0.819	D	-0.010	-0.008	No	No
3	1st Ave./E. Huntington Dr.	E	0.706	C	0.838	D	0.711	C	0.825	D	0.005	-0.013	No	No
4	2nd Ave./E. Huntington Dr.	E	0.684	B	0.829	D	0.721	C	0.851	D	0.037	0.022	No	No
5	Gateway Dr./E. Huntington Dr.	D	0.500	A	0.697	B	0.512	A	0.705	C	0.012	0.008	No	No
6	5th Ave./E. Huntington Dr.	D	0.778	C	0.895	D	0.773	C	0.900	D	-0.005	0.005	No	No
7	I-210 SB ramps/E. Huntington Dr.	E	0.716	C	0.682	B	0.714	C	0.691	B	-0.002	0.009	No	No

Source: Appendix B
Notes: Intersection Capacity Utilization = ICU; V/C = Volume to Capacity; LOS = Level of Service



SOURCE: Bing Maps; [au]workshop 2021

DUDEK

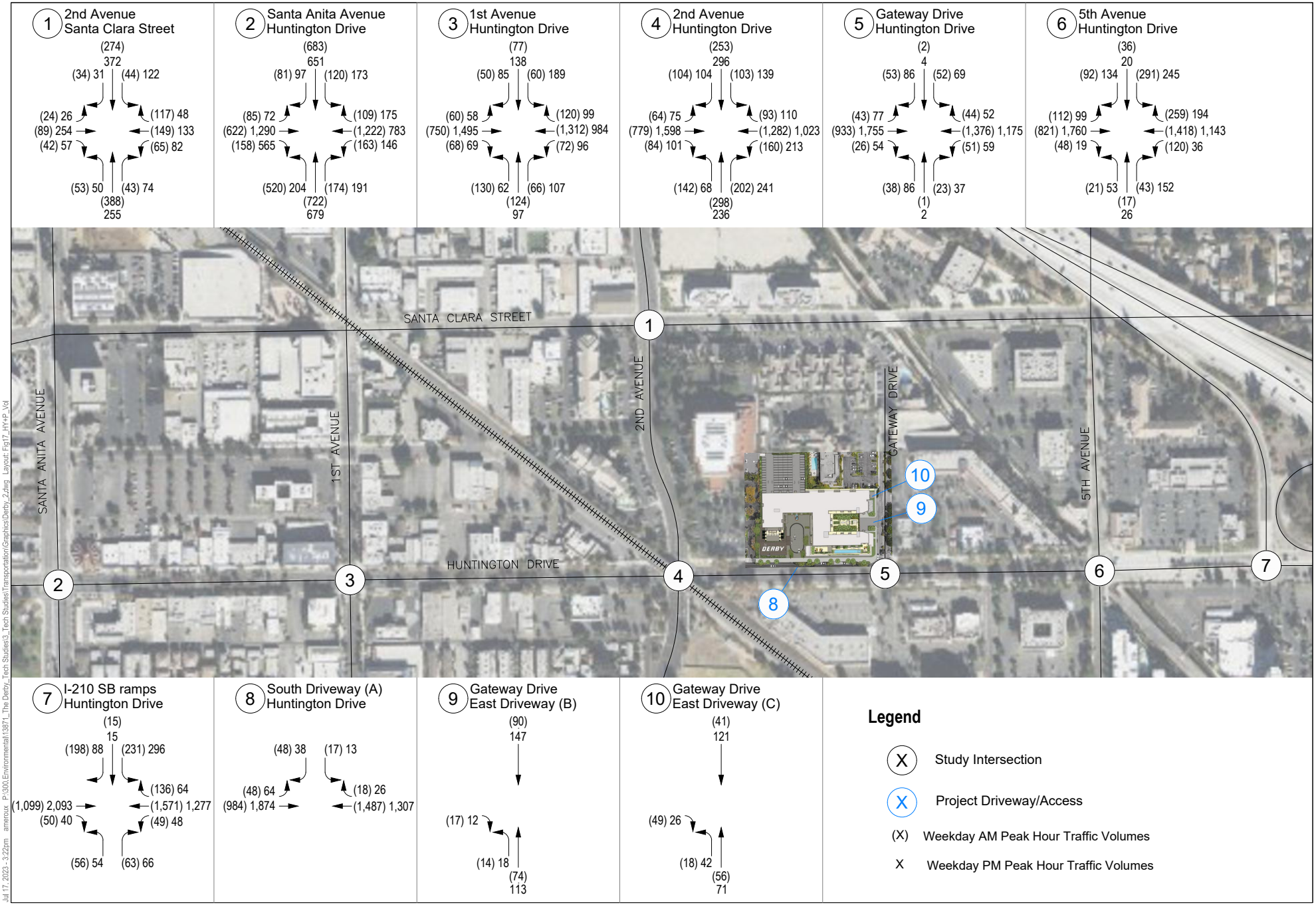
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Figure 16

Horizon Year (2040) Peak Hour Traffic Volumes

Derby Mixed Use Project

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SOURCE: Bing Maps; [au]workshop 2021

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NOT TO SCALE

Figure 17

Horizon Year (2040) plus NET Proposed Project Peak Hour Traffic Volumes

Derby Mixed Use Project

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5 Project Site Access

The existing project site is currently configured with three access points, as shown on the project site plan (Figure 1). Proposed vehicular circulation to the project site and parking structure would remove or reconfigure two access points along E. Huntington Drive and one access point along Gateway Drive to provide one full access driveway along E. Huntington Drive and two access points along Gateway Drive, as follows:

- #8 – South Driveway (A)/E. Huntington Drive: Full access; primarily serving The Derby restaurant, with secondary access to the café and additional restaurant; no residential parking access.
- #9 – Gateway Drive/East Driveway (B): Full access; primarily serving the café and additional restaurant; secondary access for The Derby restaurant; no residential parking access.
- #10 – Gateway Drive/East Driveway (C): Full access; residential parking access only.

5.1 Project Site Access and Internal Circulation

A queuing analysis was prepared for all project driveways to assess the adequacy of any off-site storage lanes into the project site, as well as the adequacy of driveway throat lengths and space on-site for vehicles to queue without effecting the internal circulation on the project site. Queuing was analyzed utilizing the SimTraffic software, which calculates the 95th percentile (design) queue. All queuing analysis data and SimTraffic queuing worksheets are provided in Appendix C.

As shown in Tables 10 and 11, none of the calculated 95th percentile (design) queues exceed storage capacities within the existing left-turn pockets on Gateway Drive or the TWLTL along E. Huntington Drive, with exception of the eastbound left-turn pocket at the Gateway Drive/E. Huntington Drive intersection. Analysis of existing conditions shows that queuing extends past the approximately 35 feet left-turn pocket (see Appendix C). As this pocket length is limited under current conditions, further exceedance of the available storage capacity is expected with the addition of project trips. The following recommendation is provided:

- Remove and reconfigure the raised median to extend the eastbound left-turn pocket to at least 75 feet.

Additionally, queuing is forecast to extend up to 255 feet (approximately 10 vehicles) within the courtyard for vehicles exiting out to E. Huntington Drive under Horizon Year (2040) plus Project conditions. Twenty-five (25) feet is equivalent to approximately one (1) car for the purposes of this analysis. Based on this assumption, approximately 125 feet (or five (5) vehicles) could queue within the courtyard to exit the site before queued vehicles begin to impact other on-site operations. However, it should be noted that this driveway is primarily set up as a valet entrance and exit for The Derby restaurant, and other users will likely utilize the parking garage entrance along Gateway Drive (Driveway B) if they observe queuing within the courtyard. To limit driver confusion, it is also recommended that signage is placed within the commercial section of the parking structure directing personal vehicles to use the Gateway Drive egress to exit the project site during valet operations.

Aside from the above-mentioned queues, none of the other queues are forecast to conflict with turning movements into or out of the project site, or within the internal access drive aisles, with project-added traffic during the Opening Year (2025) and Horizon Year (2040) conditions.

Table 10. Peak-Hour Queuing Summary for Opening Year (2025) Conditions

Intersection or Driveway Access	Movement	Available Stacking Distance (Feet)	Opening Year (2025) plus Project			
			95th Percentile Queue (Feet)		Acceptable?[1]	
			AM	PM	AM	PM
Gateway Drive/E. Huntington Drive	EBL	35	62	63	No	No
	SBL	75	61	65	Yes	Yes
	SBTR	90[2]	57	72	Yes	Yes
South Driveway (A)/E. Huntington Drive	EBL	100[3]	56	64	Yes	Yes
	SBLR	125[4]	101	109	Yes	Yes
Gateway Drive/East Driveway (B)	EBLR	90[5]	38	38	Yes	Yes
	NBLT	95[6]	8	24	Yes	Yes
Gateway Drive/East Driveway (C)	EBLR	100[5]	46	42	Yes	Yes
	NBLT	60[7]	6	22	Yes	Yes

Source: Appendix C
Notes: EBL = eastbound left; EBLT = eastbound left-through; SBL = southbound left; SBLR = southbound left-right; NBR = northbound right; NBLT = northbound left-through
XX – Unacceptable Storage Length

[1] Stacking distance is acceptable if the required stacking distance is less than or equal to the stacking distance provided.
[2] Approximate available stacking distance measured from the intersection stop bar to the curb cut of proposed Driveway B.
[3] Estimated as the queueing available in the TWLTL; measured to from driveway entrance to begin of westbound left-turn pocket at 2nd Avenue/E. Huntington Drive.
[4] Driveway includes a circular courtyard, primarily for valet drop-off; estimated stacking of 5 vehicles (approximately 125 feet) assumed based on length of courtyard available from driveway entrance to northernmost point of courtyard.
[5] Approximate throat length measured from the parking garage entrance to first internal drive aisle.
[6] No left-turn pocket is available along Gateway Drive; available stacking distance measured from driveway entrance to E. Huntington Drive for the purposes of this analysis.
[7] No left-turn pocket is available along Gateway Drive; available stacking distance measured from driveway entrance to Driveway B entrance for the purposes of this analysis.

Table 11. Peak-Hour Queuing Summary for Horizon Year (2040) Conditions

Intersection or Driveway Access	Movement	Available Stacking Distance (Feet)	Horizon Year (2040) plus Project			
			95th Percentile Queue (Feet)		Acceptable?[1]	
			AM	PM	AM	PM
Gateway Drive/E. Huntington Drive	EBL	35	62	68	No	No
	SBL	75	62	68	Yes	Yes
	SBTR	90[2]	74	79	Yes	Yes
South Driveway (A)/E. Huntington Drive	EBL	100[3]	58	66	Yes	Yes
	SBLR	125[4]	255	103	No	Yes
Gateway Drive/East Driveway (B)	EBLR	90[5]	38	35	Yes	Yes
	NBLT	95[6]	19	18	Yes	Yes
Gateway Drive/East Driveway (C)	EBLR	100[5]	46	45	Yes	Yes
	NBLT	60[7]	11	23	Yes	Yes

Source: Appendix C

Table 11. Peak-Hour Queuing Summary for Horizon Year (2040) Conditions

Intersection or Driveway Access	Movement	Available Stacking Distance (Feet)	Horizon Year (2040) plus Project			
			95th Percentile Queue (Feet)		Acceptable?[1]	
			AM	PM	AM	PM

Notes: EBL = eastbound left; EBLT = eastbound left-through; SBL = southbound left; SBLR = southbound left-right; NBR = northbound right; NBLT = northbound left-through
XX – Unacceptable Storage Length

[1] Stacking distance is acceptable if the required stacking distance is less than or equal to the stacking distance provided.
[2] Approximate available stacking distance measured from the intersection stop bar to the curb cut of proposed Driveway B.
[3] Estimated as the queueing available in the TWLTL; measured to from driveway entrance to begin of westbound left-turn pocket at 2nd Avenue/E. Huntington Drive.
[4] Driveway includes a circular courtyard, primarily for valet drop-off; estimated stacking of 5 vehicles (approximately 125 feet) assumed based on length of courtyard available from driveway entrance to northernmost point of courtyard.
[5] Approximate throat length measured from the parking garage entrance to first internal drive aisle.
[6] No left-turn pocket is available along Gateway Drive; available stacking distance measured from driveway entrance to E. Huntington Drive for the purposes of this analysis.
[7] No left-turn pocket is available along Gateway Drive; available stacking distance measured from driveway entrance to Driveway B entrance for the purposes of this analysis.

5.2 Pedestrian and Bicycle Access

As previously noted, sidewalks are generally present throughout the study area, and marked crosswalks are provided at all major arterial intersections. Pedestrian access to the project is provided along all the roadways surrounding the project site, including along E. Huntington Drive and Gateway Drive. The nearest bicycle facilities are provided along 1st Avenue, Santa Clara Street, and 5th Avenue (Class II and Class III Bike Lanes) as discussed in Section 2.3. The proposed project would provide 18 commercial bicycle parking spaces along the E. Huntington Drive frontage, and 43 residential enclosed/secure bicycle parking spaces within the residential lobby at the southern end of the project site with spaces both on the ground and second floors.

Landscaping and pedestrian walkways would be provided throughout the project site, with frontage improvements to Gateway Drive and E. Huntington Drive. The Derby courtyard plaza located along E. Huntington Drive is intended to serve both pedestrians and vehicles, with walkways, rails, landscaping, and other features to provide for a mixed mode environment. Pedestrian walkways connect The Derby restaurant with the residential, parking, and other commercial uses throughout the project site.

6 Parking Analysis

The proposed project would redevelop the existing site with new restaurant space, 214 multi-family units, and construct surface parking and basement level parking. A total of 412 parking spaces are currently proposed. The following section presents a parking code analysis based on the City of Arcadia Development Code, which includes the State's Density Bonus incentive.

6.1 State Density Bonus Program and Assembly Bill 2345

The State Density Bonus Program (Government Code 65915) requires a city or county to provide a developer that proposes a housing development in the city or county with a density bonus and other incentives or concessions for the production of lower income housing units, or for the donation of land within the development, if the developer agrees to, among other things, construct a specified percentage of units for very low income, low-income, or moderate-income households or qualifying residents. Assembly Bill (AB) 2345, effective January 1, 2021, makes several changes to the Density Bonus Law. AB 2345 further relaxes parking standards applicable to density bonus projects. If a project provides at least 20 percent low income or 11 percent very low-income housing and is within half a mile of a major transit stop, a city may not impose a vehicle parking ratio, inclusive of parking for persons with a disability and guests, that exceeds 0.5 parking spaces per unit [1]. In addition to the project's proximity to the Arcadia Metro A Line Station, the project is dedicating 9 units for senior affordable housing and therefore qualifies for the parking incentives under the State Density Bonus program.

6.2 Development Code Parking Requirements

Table 12 presents the City's parking requirements for the existing and proposed land uses on-site per the City of Arcadia Development Code Section 9103.07 *Off-Street Parking and Loading.*

Table 12. City of Arcadia Development Parking Code (With Density Bonus)

Land Use		Parking Spaces Required
Mixed-Use Residential[1]	Studio and One bedroom	1 space per unit
	Two and Three Bedrooms	1.5 spaces per unit
	Affordable units	1 space per unit
Restaurant	Small[2]	1 space per 200 SF
	Large[3]	1 space per 100 SF
	Outdoor[4]	1 space per 6 seats

Source: Section 9103.07 - Off-Street Parking and Loading | Code of Ordinances | Arcadia, CA | Municode Library.
Notes: SF = Square Feet
1. Guest parking requirements included in the parking rates above per the State Density Bonus.

[1] Bill Text - SB-290 Density Bonus Law: qualifications for incentives or concessions: student housing for lower income students: moderate-income persons and families: local government constraints.

2. Large restaurant: Establishments where food and beverages may be consumed on the premises, taken out, or delivered, where the total space dedicated to the use is greater than 2,000 square feet.
3. Small restaurant: Establishments where food and beverages may be consumed on the premises, taken out, or delivered, where the total space dedicated to the use is 2,000 square feet or less.
4. Incidental and Outdoor Dining on Public Property with more than 12 seats or a number of outdoor seats equivalent to 25% of the number of indoor seats, whichever is greater

6.3 Parking Spaces Required per Code

The proposed land uses, square footages, and number of units were reviewed to determine the number of spaces required per the City's Development Code. The required number of parking spaces is summarized in Table 13.

Table 13. Required Parking Spaces by Use (With Density Bonus)

Use	Land Use	Size (Units/SF/Seats)	Metric	Spaces Required	Spaces Provided
Residential	Studio	51 DU	1 space per unit	51	51
	1 bedroom apartment	105 DU	1 space per unit	105	105
	2-bedroom apartment	49 DU	1.5 space per unit	74	74
	Senior apartment (affordable)	9 DU	1 space per unit	9	9
	Subtotal	***214 DU***		***239***	***239[1]***
Eating Establishment	The Derby Restaurant	12,850 SF	1 space per 100 SF (large rest.)	129	129
	Additional Restaurant	3,300 SF	1 space per 100 SF (large rest.)	33	33
	Café	1,400 SF	1 space per 200 SF (small rest.)	7	7
	Outdoor seating	24 seats	1 space per 6 seats	4	4
	Subtotal	***17,550 SF***		***173***	***173[2]***
TOTAL REQUIRED				**412 spaces**	
SPACES PROVIDED				**412 spaces[3]**	

Source: Section 9103.07 - Off-Street Parking and Loading | Code of Ordinances | Arcadia, CA | Municode Library; [au]workshop 2022.
Note: SF = Square Feet; DU = Dwelling units

1. In addition to the 239 vehicular parking spaces, 11 motorcycle spaces will also be provided for residential uses.
2. In addition to the 173 vehicular parking spaces, 10 motorcycle spaces will also be provided for commercial uses.
3. Including additional motorcycle, an on-street parking/loading area along E. Huntington Drive, and transitional valet spaces, a total of 28 additional parking spaces are available across the project site.

As shown, the proposed project is required to provide 412 parking spaces per Code. The project is currently proposing to provide 412 spaces, and therefore meets the City's parking requirements. Valet operations are further discussed in Section 6.4 and a parking management/valet parking operations analysis is provided in a separate memorandum.

6.4 Valet Operations

Ground floor parking areas, totaling 173 spaces, will be predominately parked using a valet service reserved only for the restaurant uses and residential visitors. The valet service will not park any vehicles for other adjacent, off-site uses, and its operations will be kept hidden from adjacent streets. Residential tenant parking will have self-parking (i.e., non-valet) operations located at the basement level with a separate secure access from the northernmost project driveway on Gateway Drive.

Primary access for the commercial parking will be available from two points: (1) via a driveway located along E. Huntington Drive approximately 50 feet east of the curb cut for the existing Derby, and (2) via a curb-cut that will also accommodate service uses from Gateway Drive, separated as far as possible from the Huntington intersection and the residential basement parking access ramp. The relocated driveway along E. Huntington Drive will primarily serve as an off-street valet drop-off and pick-up courtyard area able to accommodate up to approximately 20 active and parked vehicles simultaneously.

Valet parking will be accommodated both within the courtyard and the ground level of the parking garage. The eastern portion of the parking garage will predominately provide commercial parking, with some valet parking, and the western and northwestern portions of the parking garage will serve valet parking only. Of the 140 valet parking spaces provided, 76 spaces will be designated as tandem spaces, oriented in rows of two or four spaces. Two, 24-foot driveway aisles will serve the main tandem spaces, located in the northwest area of the parking garage, one on each side of row, allowing valets to access vehicles from either side. For these tandem spaces, only one vehicle (max) would need to be moved (by the valet) to access another vehicle.

To facilitate safe ingress and egress for vehicles on the project site during valet hours, permanent and temporary signs will be posted throughout the outdoor parking lot, consistent with existing valet operations. When valet operations are completed for the day, permanent valet signs will be covered by the valets, and the temporary signs and valet kiosk/umbrella will be stored in a designated lockable storage room on site. Additionally, to limit the potential for queuing within the courtyard area (see Section 5.1), it is recommended that signage is placed within the parking structure directing personal vehicles to use the Gateway Drive egress to exit the project site during valet operations.

7 Vehicle Miles Traveled Analysis

The following VMT analysis is based on the City of Arcadia Transportation Study Guidelines for Vehicle Miles Traveled and Level of Service Assessment (City of Arcadia 2020) and OPR's Technical Advisory on Evaluating Transportation Impacts in CEQA (OPR 2018). As shown in the analysis below, the project would be screened from a project-level analysis, and the project's impact to VMT would be less than significant.

7.1 Screening Criteria

The City's Guidelines provide three types of VMT screening that can be applied to the proposed project to screen from a project-level VMT assessment. The screening criteria are consistent with the recommendations provided in OPR's Technical Advisory.

Transit Priority Area (TPA) Screening

Projects located within a TPA[2] may be presumed to have a less than significant impact absent substantial evidence to the contrary. This presumption may not be appropriate if the project:

1. Has a Floor Area Ratio (FAR) of less than 0.75;
2. Includes more parking for use by residents, customers, or employees of the project than required by the jurisdiction (if the jurisdiction requires the project to supply parking);
3. Is inconsistent with the applicable Sustainable Communities Strategy (as determined by the lead agency, with input from the Metropolitan Planning Organization)
4. Replaces affordable residential units with a smaller number of moderate- or high-income residential units.

As shown in Appendix D, the proposed Project is located within a TPA and therefore meets this screening this criterium.

Low VMT Area Screening

Residential and office projects located within a low VMT- generating area may be presumed to have a less than significant impact absent substantial evidence to the contrary. In addition, other employment-related and mixed-use land use projects may qualify for the use of screening if the project can reasonably be expected to generate VMT per resident, per worker, or per service population that is similar to the existing land uses in the low VMT area.

The San Gabriel Valley Council of Governments (SGVCOG) screening tool (available at https://www.sgvcog.org/vmt-analysis-tool) was used to determine whether or not the proposed Project would be located in a low VMT-generating area. Per the City's guidelines, a low VMT-generating area is determined as 15% below the subarea baseline home-

[2] A TPA is defined as a half mile area around an existing major transit stop or an existing stop along a high-quality transit corridor per the definitions below:
Pub. Resources Code, § 21064.3 ("'Major transit stop' means a site containing an existing rail transit station, a ferry terminal served by either a bus or rail transit service, or the intersection of two or more major bus routes with a frequency of service interval of 15 minutes or less during the morning and afternoon peak commute periods.")
Pub. Resources Code, § 21155 ("For purposes of this section, a high-quality transit corridor means a corridor with fixed route bus service with service intervals no longer than 15 minutes during peak commute hours.").

based VMT per capita and VMT per employee. As shown in Table 16, the home-based VMT per Capita for the project TAZ is 11.1, and the subarea jurisdiction's average is 15.53. Therefore, the TAZ would be 28.52% below the subarea threshold for VMT per Capita, which would meet the required baseline screening criteria established in the City's guidelines. As such, the proposed Project can be screened out using this criterion.

Table 14. Summary of Project TAZ VMT

Base Year (2021)	Home-based VMT per Capita
Project TAZ	11.1
Jurisdiction	15.53
% Difference (Project TAZ – Jurisdiction)	**-28.52%**
Threshold	13.2

Source: SGVCOG VMT Screening Tool (Appendix D)

Project Type Screening

The City's guidelines list local serving land uses, which have been identified as having the presumption of a less than significant impact. This includes land uses such as local serving schools, parks, day care centers, and local serving retail of less than 50,000 square feet. The uses are those which should be able to demonstrate that its users (employees, customers, visitors) would be existing within the community. The screening criterion also identifies projects that would generate less than 110 daily vehicle trips and having a presumption of less than significant.[3] The proposed residential component of the project would not fall under a local serving land use and would also generate greater than 110 daily vehicle trips; therefore, this component of the project cannot be screened out from further VMT analysis using this criterium. However, the 17,550 square-foot proposed restaurant use would serve as a local serving land use and can be screened out using this criterium.

Based on SB 743 and the revised CEQA guidelines, the City's Guidelines, and the SGVCOG VMT Assessment tool, the project would be screened from a project-level VMT analysis. The project is in a TPA and a Low VMT generating area. Therefore, a project-level VMT analysis is not required and impacts to VMT can be presumed to be less than significant.

[3] This threshold ties directly to the OPR technical advisory and notes that CEQA provides a categorical exemption for existing facilities, including additions to existing structures of up to 10,000 square feet, so long as the project is in an area where public infrastructure is available to allow for maximum planned development and the project is not in an environmentally sensitive area. (CEQA Guidelines, § 15301, subd. (e)(2).) Typical project types for which trip generation increases relatively linearly with building footprint (i.e., general office building, single tenant office building, office park, and business park) generate or attract an additional 110-124 trips per 10,000 square feet. Therefore, absent substantial evidence otherwise, it is reasonable to conclude that the addition of 110 or fewer trips could be considered not to lead to a significant impact.

8 Summary

Based on the results of the LOS, site access, parking analyses, and VMT screening analysis presented in this TIA, the following summarizes the key findings of the analysis:

- The proposed project would generate 2,163 net daily trips, 219 net AM peak hour and 175 net PM peak hour trips (Table 1).
- The seven study area intersections currently and are forecast to operate at LOS D (or E where applicable) or better under all analysis scenarios, which meets the City's traffic impact thresholds (Table 3 and Tables 6 through 9).
- The proposed project would not result in unacceptable queueing conditions into or out of the project site (Table 10 and Table 11) with exception of the eastbound left-turn pocket at Gateway Drive/E. Huntington Drive and within The Derby courtyard. The following recommendations are made:
  - Remove and reconfigure the raised median to extend the eastbound left-turn pocket at Gateway Drive/E. Huntington Drive to at least 75 feet.
  - Place signage within the commercial section of the parking structure directing personal vehicles to use the Gateway Drive egress to exit the project site during valet operations.
- The proposed project is required to provide 412 parking spaces per the City's Development Code with application of the State Density Bonus parking reductions. The project is proposing 412 spaces, which meets the required parking with the State Density Bonus reductions (Table 13).
- The project is in a TPA and a Low VMT generating area and would be screened from a project-level VMT analysis. Therefore, the project's impacts to VMT can be presumed to be less than significant.

9 References

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Appendix A
Raw Traffic Counts

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE: Wed, Apr 20, 22

LOCATION: Arcadia
NORTH & SOUTH: 2nd
EAST & WEST: Santa Clara

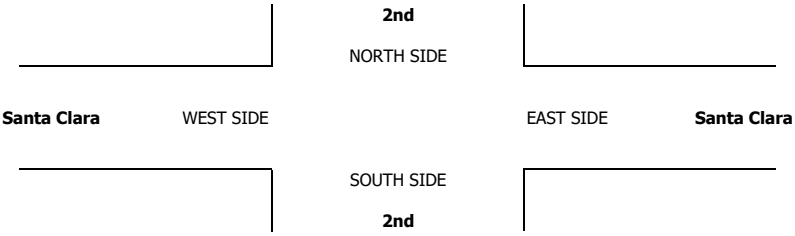
PROJECT #: SC3386
LOCATION #: 1
CONTROL: SIGNAL

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

☑ Add U-Turns to Left Turns

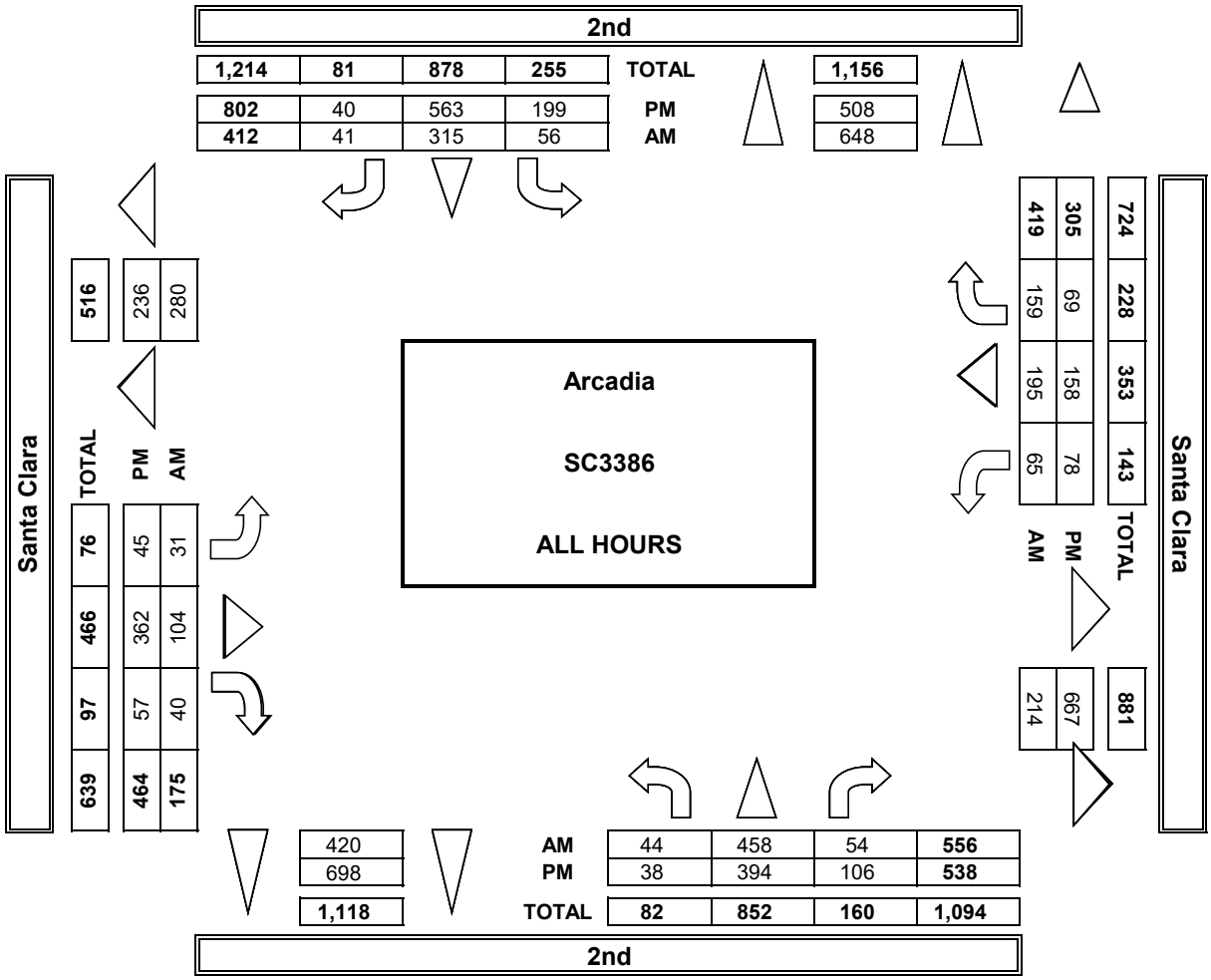
		NORTHBOUND 2nd			SOUTHBOUND 2nd			EASTBOUND Santa Clara			WESTBOUND Santa Clara				U-TURNS				
	LANES:	NL 1	NT 2	NR 0	SL 1	ST 2	SR 0	EL 1	ET 1	ER 0	WL 1	WT 1	WR 0	TOTAL	NB 0	SB 0	EB 0	WB 0	TTL
AM	7:00 AM	2	34	1	3	16	1	2	10	5	4	10	14	102	0	0	0	0	0
	7:15 AM	4	38	5	3	14	4	2	12	4	5	25	13	129	0	0	0	0	0
	7:30 AM	7	40	11	6	34	2	6	7	4	8	27	26	178	0	0	0	0	0
	7:45 AM	5	81	9	8	33	5	5	12	2	14	32	26	232	0	0	0	0	0
	8:00 AM	8	93	9	9	51	8	5	11	7	7	23	26	257	0	0	0	0	0
	8:15 AM	7	79	9	10	77	8	6	17	5	9	35	24	286	0	0	0	0	0
	8:30 AM	5	42	8	8	46	5	3	17	6	8	27	19	194	0	0	0	0	0
	8:45 AM	6	51	2	9	44	8	2	18	7	10	16	11	184	0	0	0	0	0
	VOLUMES	44	458	54	56	315	41	31	104	40	65	195	159	1,562	0	0	0	0	0
	APPROACH %	8%	82%	10%	14%	76%	10%	18%	59%	23%	16%	47%	38%						
	APP/DEPART	556	/	648	412	/	420	175	/	214	419	/	280	0					
	BEGIN PEAK HR		7:45 AM																
	VOLUMES	25	295	35	35	207	26	19	57	20	38	117	95	969					
	APPROACH %	7%	83%	10%	13%	77%	10%	20%	59%	21%	15%	47%	38%						
	PEAK HR FACTOR		0.807			0.705			0.857			0.868		0.847					
	APP/DEPART	355	/	409	268	/	265	96	/	127	250	/	168	0					
PM	4:00 PM	9	40	9	25	64	8	10	48	4	12	14	6	249	0	0	0	0	0
	4:15 PM	1	53	11	34	78	2	6	37	8	6	13	8	257	0	0	0	0	0
	4:30 PM	3	43	13	22	64	4	5	40	5	7	15	6	227	0	0	0	0	0
	4:45 PM	7	54	16	22	73	9	4	40	7	7	27	9	275	0	0	0	0	0
	5:00 PM	3	41	15	26	86	3	6	61	13	12	22	18	306	0	0	0	0	0
	5:15 PM	4	52	14	22	61	8	6	43	6	10	28	7	261	0	0	0	0	0
	5:30 PM	5	56	15	29	63	3	5	44	7	10	19	5	261	0	0	0	0	0
	5:45 PM	6	55	13	19	74	3	3	49	7	14	20	10	273	0	0	0	0	0
	VOLUMES	38	394	106	199	563	40	45	362	57	78	158	69	2,109	0	0	0	0	0
	APPROACH %	7%	73%	20%	25%	70%	5%	10%	78%	12%	26%	52%	23%						
	APP/DEPART	538	/	508	802	/	698	464	/	667	305	/	236	0					
	BEGIN PEAK HR		4:45 PM																
	VOLUMES	19	203	60	99	283	23	21	188	33	39	96	39	1,103					
	APPROACH %	7%	72%	21%	24%	70%	6%	9%	78%	14%	22%	55%	22%						
	PEAK HR FACTOR		0.916			0.880			0.756			0.837		0.901					
	APP/DEPART	282	/	263	405	/	355	242	/	347	174	/	138	0					

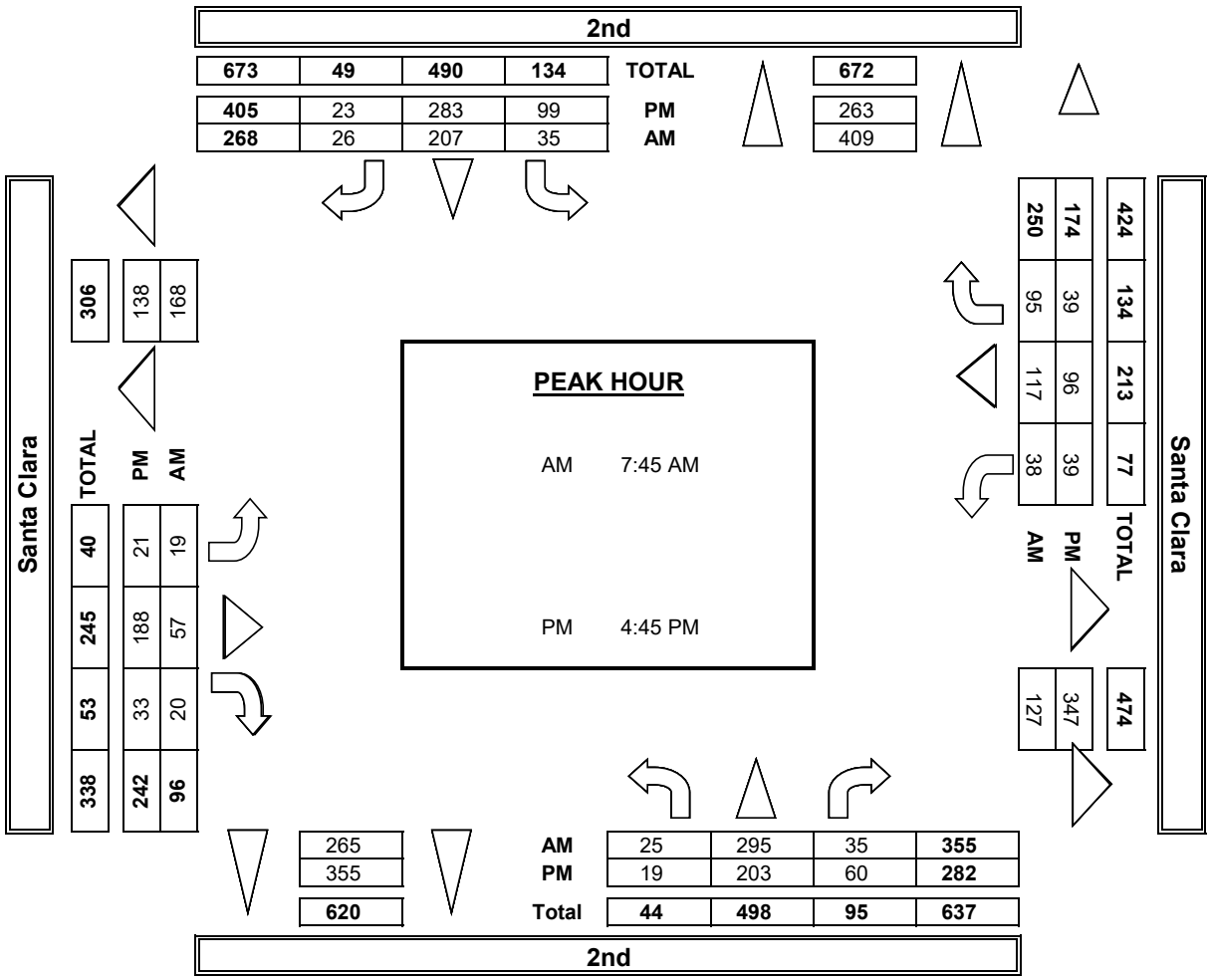


		ALL PED AND BIKE					PEDESTRIAN CROSSINGS					BICYCLE CROSSINGS				
		N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	NS	SS	ES	WS	TOTAL
AM	7:00 AM	1	2	1	2	6	1	2	1	2	6	0	0	0	0	0
	7:15 AM	3	0	1	0	4	1	0	0	0	1	2	0	1	0	3
	7:30 AM	5	2	1	1	9	4	1	1	1	7	1	1	0	0	2
	7:45 AM	2	1	1	2	6	2	0	0	0	2	0	1	1	2	4
	8:00 AM	3	3	1	0	7	3	3	1	0	7	0	0	0	0	0
	8:15 AM	0	3	0	2	5	0	3	0	2	5	0	0	0	0	0
	8:30 AM	1	2	0	2	5	0	1	0	1	2	1	1	0	1	3
	8:45 AM	0	6	3	0	9	0	4	2	0	6	0	2	1	0	3
	TOTAL	15	19	8	9	51	11	14	5	6	36	4	5	3	3	15
PM	4:00 PM	1	3	3	2	9	1	2	2	2	7	0	1	1	0	2
	4:15 PM	3	1	0	0	4	3	1	0	0	4	0	0	0	0	0
	4:30 PM	0	4	0	5	9	0	3	0	5	8	0	1	0	0	1
	4:45 PM	2	2	1	0	5	2	0	1	0	3	0	2	0	0	2
	5:00 PM	1	4	0	2	7	1	4	0	1	6	0	0	0	1	1
	5:15 PM	1	2	1	2	6	1	1	1	2	5	0	1	0	0	1
	5:30 PM	0	0	1	5	6	0	0	1	5	6	0	0	0	0	0
	5:45 PM	0	1	0	2	3	0	0	0	2	2	0	1	0	0	1
	TOTAL	8	17	6	18	49	8	11	5	17	41	0	6	1	1	8

AimTD LLC

TURNING MOVEMENT COUNTS





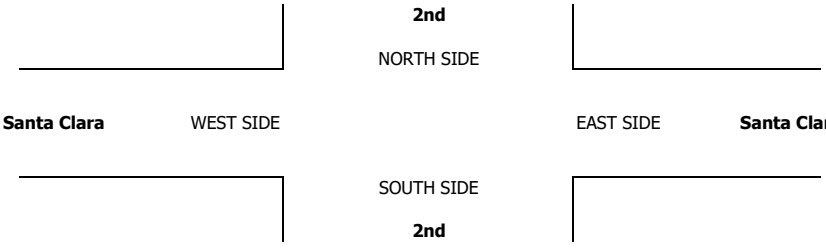
INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:				
4/20/22	LOCATION:	Arcadia	PROJECT #:	SC3386
WEDNESDAY	NORTH & SOUTH:	2nd	LOCATION #:	1
	EAST & WEST:	Santa Clara	CONTROL:	SIGNAL

	NOTES:												
PCE	Class	1	2	3	4	5	6			AM		▲ N	
Adjusted	Factor	1	1.5	2	3	2	2			PM			
										MD	◄ W		E ►
										OTHER		S	
										OTHER		▼	

		NORTHBOUND 2nd			SOUTHBOUND 2nd			EASTBOUND Santa Clara			WESTBOUND Santa Clara				U-TURNS				
	LANES:	NL 1	NT 2	NR 0	SL 1	ST 2	SR 0	EL 1	ET 1	ER 0	WL 1	WT 1	WR 0	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	3	38	2	3	16	2	2	10	7	4	10	15	110					0
	7:15 AM	5	44	5	3	14	4	2	12	4	5	26	13	137					0
	7:30 AM	8	42	11	6	34	2	8	7	4	8	27	27	183					0
	7:45 AM	5	84	10	9	35	6	6	13	2	14	33	28	243					0
	8:00 AM	9	95	9	9	52	8	5	13	8	7	24	26	263					0
	8:15 AM	7	83	9	11	78	9	6	17	6	9	36	25	295					0
	8:30 AM	5	44	8	9	48	5	3	18	7	8	29	20	201					0
	8:45 AM	6	52	2	10	44	8	2	19	10	10	17	12	191					0
	VOLUMES	46	480	55	59	320	43	34	109	47	65	201	164	1,621	0	0	0	0	0
	APPROACH %	8%	83%	9%	14%	76%	10%	18%	57%	25%	15%	47%	38%						
	APP/DEPART	581	/	677	421	/	432	189	/	222	430	/	290	0					
	BEGIN PEAK HR		7:45 AM																
	VOLUMES	26	305	36	37	212	28	20	61	22	38	121	98	1,002					
	APPROACH %	7%	83%	10%	13%	77%	10%	20%	59%	21%	15%	47%	38%						
	PEAK HR FACTOR		0.813			0.708			0.899			0.862		0.849					
	APP/DEPART	366	/	423	276	/	272	103	/	133	257	/	174	0					
PM	4:00 PM	10	41	10	25	66	8	11	50	4	12	16	6	256					0
	4:15 PM	1	55	12	36	80	2	7	37	9	6	14	8	264					0
	4:30 PM	4	43	15	23	65	6	5	41	5	8	17	7	236					0
	4:45 PM	7	54	17	23	75	9	4	41	8	8	28	10	282					0
	5:00 PM	3	42	15	27	89	3	6	69	15	12	22	19	321					0
	5:15 PM	5	52	15	23	63	8	7	46	7	10	28	7	270					0
	5:30 PM	5	56	15	30	64	3	5	45	8	10	19	5	264					0
	5:45 PM	6	56	13	19	75	3	4	50	7	14	20	10	277					0
	VOLUMES	41	398	111	205	575	42	47	378	62	79	162	71	2,168	0	0	0	0	0
	APPROACH %	7%	72%	20%	25%	70%	5%	10%	78%	13%	25%	52%	23%						
	APP/DEPART	549	/	516	821	/	715	487	/	693	312	/	244	0					
	BEGIN PEAK HR		4:45 PM																
	VOLUMES	20	204	62	102	290	23	22	201	37	40	97	40	1,136					
	APPROACH %	7%	71%	22%	25%	70%	6%	8%	78%	14%	22%	55%	23%						
	PEAK HR FACTOR		0.915			0.876			0.723			0.838		0.886					
	APP/DEPART	286	/	266	415	/	366	259	/	365	176	/	139	0					



INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE: Wed, Apr 20, 22

LOCATION: Arcadia
NORTH & SOUTH: Santa Anita
EAST & WEST: Huntington

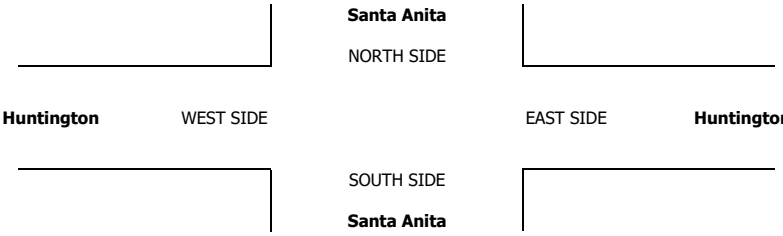
PROJECT #: SC3386
LOCATION #: 2
CONTROL: SIGNAL

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

☑ Add U-Turns to Left Turns

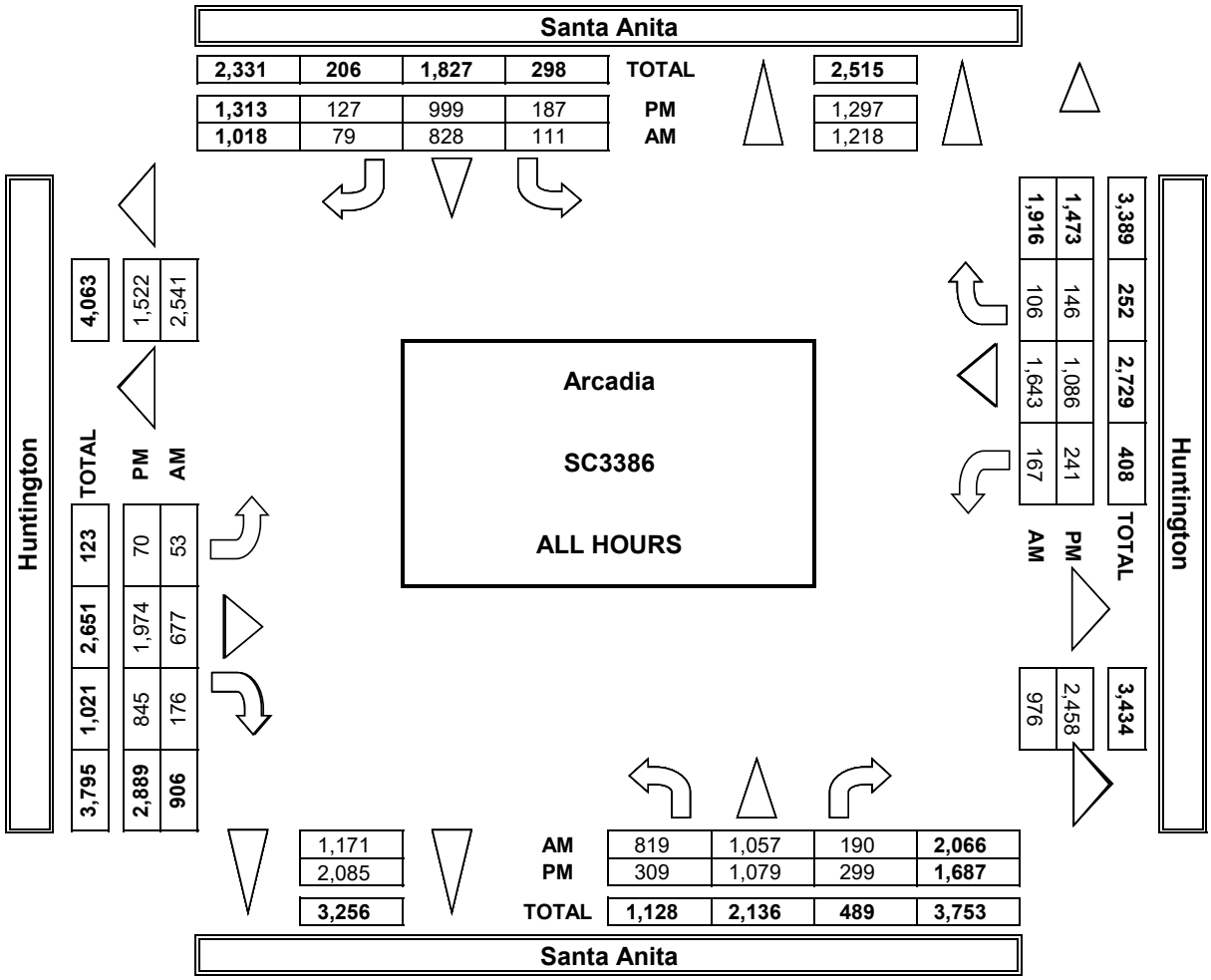
		NORTHBOUND Santa Anita			SOUTHBOUND Santa Anita			EASTBOUND Huntington			WESTBOUND Huntington				U-TURNS				
	LANES:	NL 2	NT 2	NR 1	SL 2	ST 2	SR 1	EL 1	ET 2	ER 1	WL 1	WT 2	WR 0	TOTAL	NB 0	SB 0	EB 0	WB 0	TTL
AM	7:00 AM	52	76	9	6	52	4	2	36	3	13	124	16	393	0	0	0	0	0
	7:15 AM	78	139	12	9	51	4	2	42	13	9	168	11	538	0	0	0	0	0
	7:30 AM	130	125	20	14	65	10	2	86	14	12	211	12	701	0	1	0	0	1
	7:45 AM	137	150	18	11	118	13	2	96	23	11	230	16	825	0	0	0	0	0
	8:00 AM	126	142	27	21	117	12	17	115	26	20	272	21	916	0	1	0	0	1
	8:15 AM	113	156	31	13	127	8	11	89	22	32	198	7	807	0	0	0	0	0
	8:30 AM	77	113	29	17	145	15	6	90	34	34	246	11	817	0	0	0	0	0
	8:45 AM	106	156	44	20	153	13	11	123	41	36	194	12	909	0	0	0	0	0
	VOLUMES	819	1,057	190	111	828	79	53	677	176	167	1,643	106	5,906	0	2	0	0	2
	APPROACH %	40%	51%	9%	11%	81%	8%	6%	75%	19%	9%	86%	6%						
	APP/DEPART	2,066	/	1,218	1,018	/	1,171	906	/	976	1,916	/	2,541	0					
	BEGIN PEAK HR		8:00 AM																
	VOLUMES	422	567	131	71	542	48	45	417	123	122	910	51	3,449					
	APPROACH %	38%	51%	12%	11%	82%	7%	8%	71%	21%	11%	84%	5%						
	PEAK HR FACTOR		0.915			0.888			0.836			0.865		0.941					
	APP/DEPART	1,120	/	664	661	/	787	585	/	618	1,083	/	1,380	0					
PM	4:00 PM	25	123	33	17	102	7	9	241	91	32	118	15	813	0	0	0	0	0
	4:15 PM	51	126	30	33	135	14	4	250	120	37	124	20	944	0	0	0	0	0
	4:30 PM	33	131	38	23	117	15	12	282	141	24	141	17	974	0	2	0	0	2
	4:45 PM	44	156	41	20	123	13	10	231	96	28	119	21	902	0	0	0	0	0
	5:00 PM	35	122	36	27	133	19	12	238	98	22	167	24	933	0	0	0	0	0
	5:15 PM	33	152	39	20	125	14	12	243	103	22	137	13	913	0	0	0	0	0
	5:30 PM	44	120	33	26	136	22	6	282	110	39	148	17	983	0	0	0	0	0
	5:45 PM	44	149	49	21	128	23	5	207	86	37	132	19	900	0	0	0	0	0
	VOLUMES	309	1,079	299	187	999	127	70	1,974	845	241	1,086	146	7,362	0	2	0	0	2
	APPROACH %	18%	64%	18%	14%	76%	10%	2%	68%	29%	16%	74%	10%						
	APP/DEPART	1,687	/	1,297	1,313	/	2,085	2,889	/	2,458	1,473	/	1,522	0					
	BEGIN PEAK HR		4:15 PM																
	VOLUMES	163	535	145	103	508	61	38	1,001	455	111	551	82	3,753					
	APPROACH %	19%	63%	17%	15%	76%	9%	3%	67%	30%	15%	74%	11%						
	PEAK HR FACTOR		0.874			0.923			0.859			0.873		0.963					
	APP/DEPART	843	/	657	672	/	1,074	1,494	/	1,247	744	/	775	0					

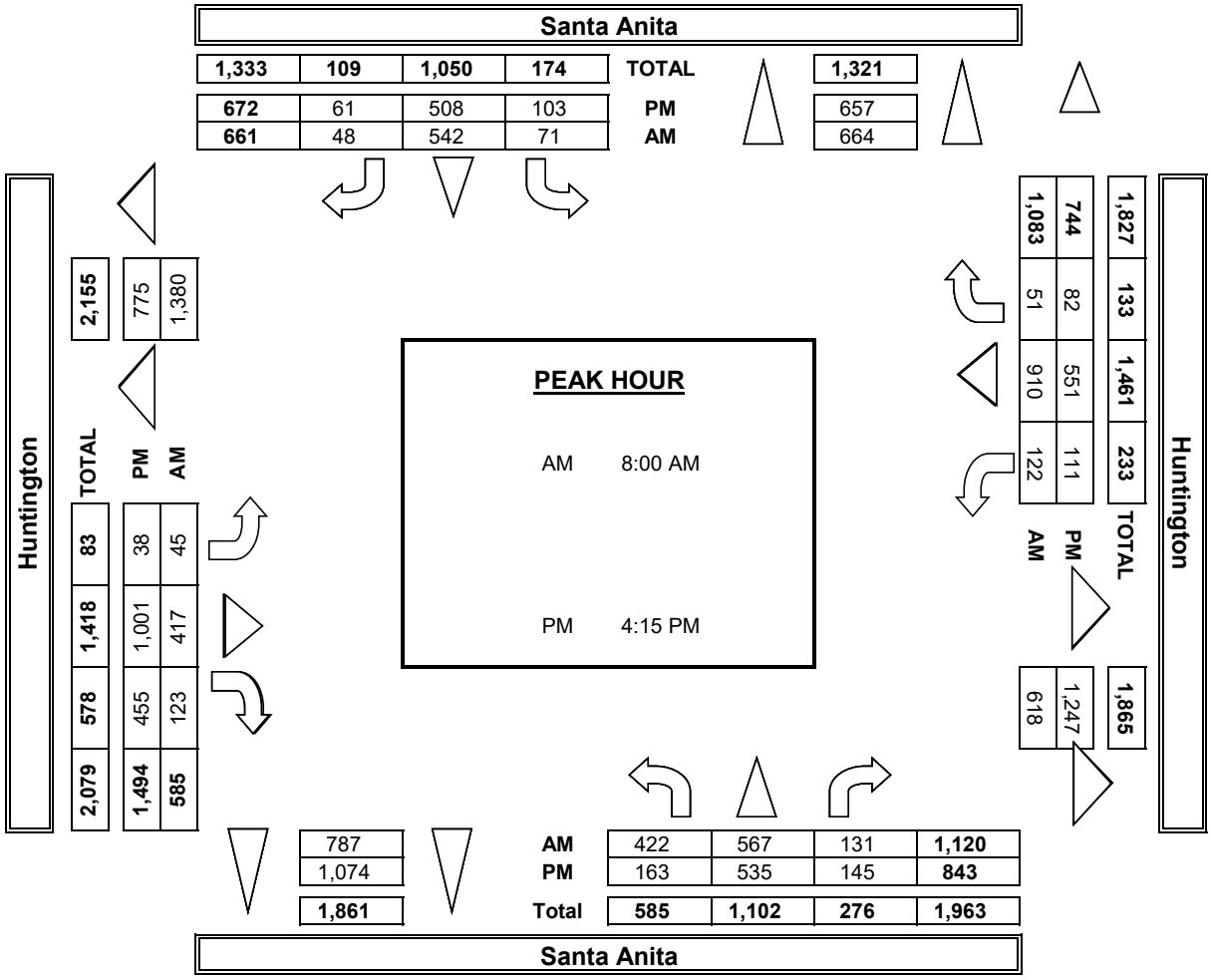


		ALL PED AND BIKE					PEDESTRIAN CROSSINGS					BICYCLE CROSSINGS				
		N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	NS	SS	ES	WS	TOTAL
AM	7:00 AM	1	8	1	2	12	1	7	1	2	11	0	1	0	0	1
	7:15 AM	2	2	4	2	10	2	2	3	1	8	0	0	1	1	2
	7:30 AM	2	5	1	2	10	2	4	1	1	8	0	1	0	1	2
	7:45 AM	3	3	2	2	10	3	3	2	1	9	0	0	0	1	1
	8:00 AM	1	8	1	2	12	1	7	1	2	11	0	1	0	0	1
	8:15 AM	2	1	0	6	9	2	1	0	6	9	0	0	0	0	0
	8:30 AM	2	3	2	8	15	1	3	2	5	11	1	0	0	3	4
	8:45 AM	3	1	2	3	9	3	1	2	2	8	0	0	0	1	1
	TOTAL	16	31	13	27	87	15	28	12	20	75	1	3	1	7	12
PM	4:00 PM	1	4	1	0	6	0	3	1	0	4	1	1	0	0	2
	4:15 PM	1	6	1	3	11	1	4	0	2	7	0	2	1	1	4
	4:30 PM	2	2	2	1	7	2	0	2	0	4	0	2	0	1	3
	4:45 PM	4	8	4	2	18	2	4	3	1	10	2	4	1	1	8
	5:00 PM	2	1	0	2	5	1	1	0	1	3	1	0	0	1	2
	5:15 PM	1	6	1	0	8	0	4	1	0	5	1	2	0	0	3
	5:30 PM	2	5	3	0	10	2	5	3	0	10	0	0	0	0	0
	5:45 PM	3	3	2	1	9	2	3	2	0	7	1	0	0	1	2
	TOTAL	16	35	14	9	74	10	24	12	4	50	6	11	2	5	24

AimTD LLC

TURNING MOVEMENT COUNTS





INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:				
4/20/22	LOCATION:	Arcadia	PROJECT #:	SC3386
WEDNESDAY	NORTH & SOUTH:	Santa Anita	LOCATION #:	2
	EAST & WEST:	Huntington	CONTROL:	SIGNAL

	NOTES:											
PCE	Class	1	2	3	4	5	6			AM		▲ N
Adjusted	Factor	1	1.5	2	3	2	2			PM		
										MD	◄ W	E ►
										OTHER		S
										OTHER		▼

	NORTHBOUND Santa Anita			SOUTHBOUND Santa Anita			EASTBOUND Huntington			WESTBOUND Huntington			
LANES:	NL 2	NT 2	NR 1	SL 2	ST 2	SR 1	EL 1	ET 2	ER 1	WL 1	WT 2	WR 0	TOTAL
7:00 AM	52	83	9	7	60	4	2	39	4	15	129	17	419
7:15 AM	83	144	12	11	57	6	2	44	14	10	172	11	564
7:30 AM	138	133	23	16	69	10	2	89	16	13	219	13	739
7:45 AM	140	157	18	11	124	15	2	99	24	11	239	17	855
8:00 AM	130	147	29	22	119	13	17	120	27	20	283	22	946
8:15 AM	116	165	33	13	132	8	11	93	25	33	207	9	842
8:30 AM	77	121	31	18	147	16	7	96	35	36	257	12	850
8:45 AM	110	165	44	21	160	14	12	127	41	39	204	12	947
AM VOLUMES	844	1,112	198	117	867	86	55	705	185	175	1,709	111	6,161
AM APPROACH %	39%	52%	9%	11%	81%	8%	6%	75%	20%	9%	86%	6%	
AM APP/DEPART	2,154	/	1,278	1,069	/	1,226	944	/	1,020	1,995	/	2,638	0
AM BEGIN PEAK HR		8:00 AM											
AM VOLUMES	432	597	137	73	557	51	47	435	128	127	951	54	3,584
AM APPROACH %	37%	51%	12%	11%	82%	7%	8%	71%	21%	11%	84%	5%	
AM PEAK HR FACTOR		0.914			0.877			0.847			0.872		0.947
AM APP/DEPART	1,165	/	697	681	/	811	609	/	644	1,131	/	1,433	0
4:00 PM	25	126	33	18	107	7	9	250	94	32	119	15	834
4:15 PM	53	131	32	34	141	16	4	262	129	38	129	21	986
4:30 PM	33	135	39	24	125	15	12	293	144	25	144	17	1,005
4:45 PM	45	158	41	21	129	14	10	237	99	30	124	21	928
5:00 PM	36	125	38	28	139	19	12	246	100	22	171	25	959
5:15 PM	38	154	40	20	129	14	12	248	104	23	140	13	933
5:30 PM	45	122	34	28	139	23	7	291	113	39	150	17	1,005
5:45 PM	45	152	50	22	134	23	5	217	87	38	135	19	924
PM VOLUMES	318	1,101	306	193	1,041	131	71	2,041	868	247	1,110	148	7,572
PM APPROACH %	18%	64%	18%	14%	76%	10%	2%	69%	29%	16%	74%	10%	
PM APP/DEPART	1,725	/	1,319	1,364	/	2,155	2,980	/	2,540	1,504	/	1,558	0
PM BEGIN PEAK HR		4:15 PM											
PM VOLUMES	166	548	150	106	533	64	38	1,037	471	115	567	84	3,877
PM APPROACH %	19%	63%	17%	15%	76%	9%	2%	67%	30%	15%	74%	11%	
PM PEAK HR FACTOR		0.887			0.924			0.862			0.879		0.965
PM APP/DEPART	864	/	670	703	/	1,119	1,546	/	1,292	765	/	797	0

U-TURNS					
NB	SB	EB	WB	TTL	
				0	
				0	
				0	
				0	
				0	
				0	
				0	
				0	
0	0	0	0	0	
				0	
				0	
				0	
				0	
				0	
				0	
				0	
				0	
				0	
0	0	0	0	0	

Santa Anita

NORTH SIDE

Huntington WEST SIDE EAST SIDE **Huntington**

SOUTH SIDE

Santa Anita

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE: Wed, Apr 20, 22

LOCATION: Arcadia
NORTH & SOUTH: 1st
EAST & WEST: Huntington

PROJECT #: SC3386
LOCATION #: 3
CONTROL: SIGNAL

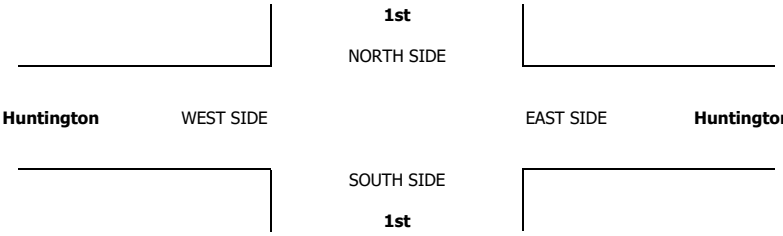
NOTES:

AM / PM / MD / OTHER / OTHER

▲ N ◄ W E ► S ▼

☑ Add U-Turns to Left Turns

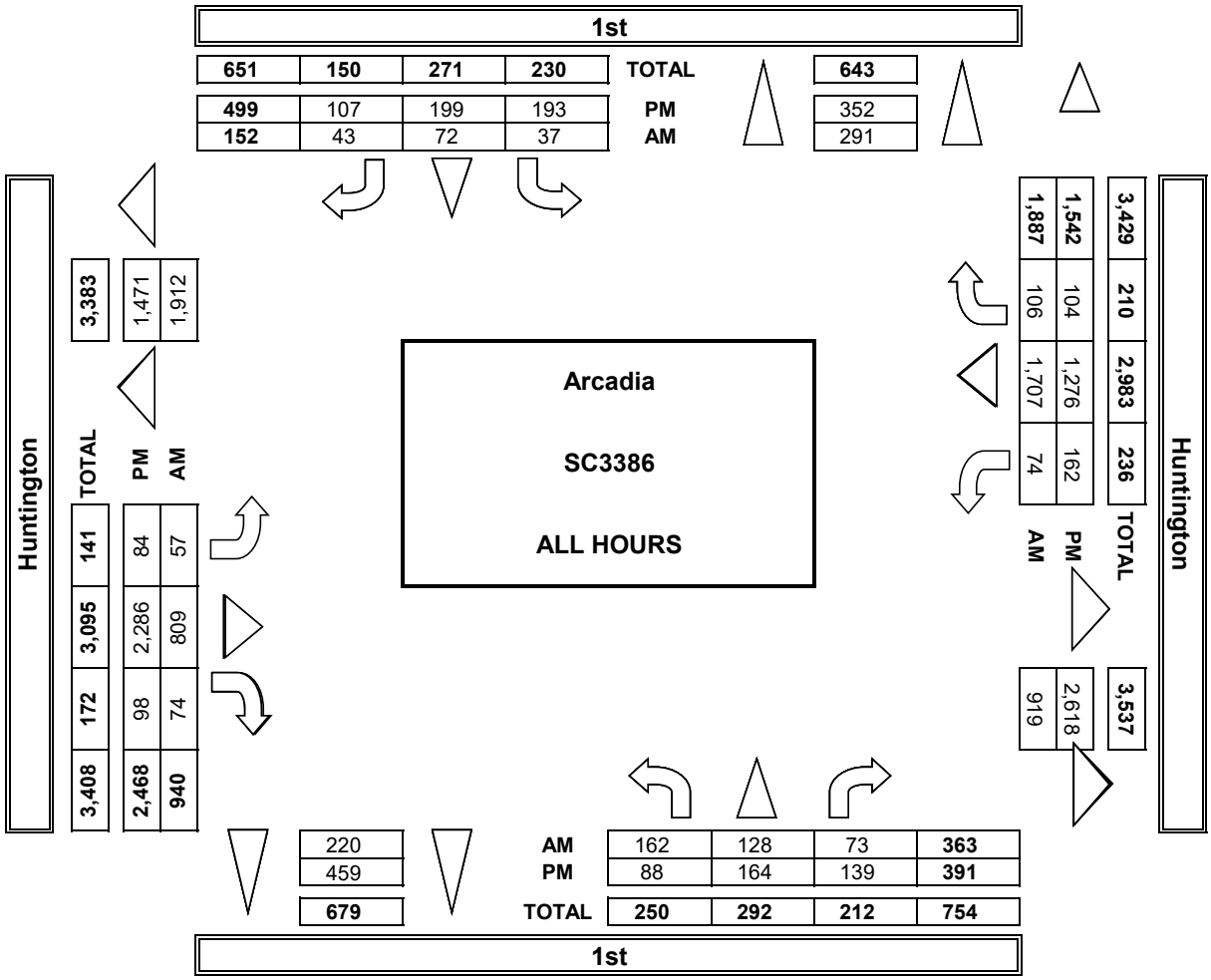
		NORTHBOUND 1st			SOUTHBOUND 1st			EASTBOUND Huntington			WESTBOUND Huntington				U-TURNS				
	LANES:	NL 1	NT 1	NR 0	SL 1	ST 1	SR 0	EL 1	ET 2	ER 0	WL 1	WT 2	WR 0	TOTAL	NB 0	SB 0	EB 0	WB 0	TTL
AM	7:00 AM	8	5	3	2	0	4	2	44	1	7	123	4	203	0	0	0	0	0
AM	7:15 AM	8	3	8	2	2	2	3	59	6	2	181	6	282	0	0	0	0	0
AM	7:30 AM	18	8	8	1	6	0	7	84	12	6	211	7	368	0	0	0	0	0
AM	7:45 AM	29	14	7	5	6	4	2	120	13	9	242	13	464	0	0	0	0	0
AM	8:00 AM	47	35	18	6	12	3	10	120	18	7	237	19	532	0	0	0	0	0
AM	8:15 AM	22	29	13	6	13	9	6	127	9	15	245	21	515	0	0	0	0	0
AM	8:30 AM	15	17	11	9	16	11	14	106	6	15	236	19	475	0	0	0	0	0
AM	8:45 AM	15	17	5	6	17	10	13	149	9	13	232	17	503	0	0	0	0	0
AM	VOLUMES	162	128	73	37	72	43	57	809	74	74	1,707	106	3,342	0	0	0	0	0
AM	APPROACH %	45%	35%	20%	24%	47%	28%	6%	86%	8%	4%	90%	6%						
AM	APP/DEPART	363	/	291	152	/	220	940	/	919	1,887	/	1,912	0					
AM	BEGIN PEAK HR		8:00 AM																
AM	VOLUMES	99	98	47	27	58	33	43	502	42	50	950	76	2,025					
AM	APPROACH %	41%	40%	19%	23%	49%	28%	7%	86%	7%	5%	88%	7%						
AM	PEAK HR FACTOR		0.610			0.819			0.858			0.957		0.952					
AM	APP/DEPART	244	/	217	118	/	150	587	/	576	1,076	/	1,082	0					
PM	4:00 PM	10	22	18	14	27	15	12	256	9	24	136	11	554	0	0	0	0	0
PM	4:15 PM	14	21	12	18	21	12	10	302	13	21	166	10	620	0	0	0	0	0
PM	4:30 PM	11	25	12	16	22	13	12	279	18	21	155	17	601	0	0	0	0	0
PM	4:45 PM	14	25	17	15	19	11	9	311	7	21	140	11	600	0	0	0	0	0
PM	5:00 PM	14	27	21	40	32	13	11	248	10	23	177	17	633	0	0	0	0	0
PM	5:15 PM	7	18	21	32	32	16	7	296	9	20	166	15	639	0	0	0	0	0
PM	5:30 PM	8	8	17	35	25	11	12	303	20	13	166	12	630	0	0	0	0	0
PM	5:45 PM	10	18	21	23	21	16	11	291	12	19	170	11	623	0	0	0	0	0
PM	VOLUMES	88	164	139	193	199	107	84	2,286	98	162	1,276	104	4,900	0	0	0	0	0
PM	APPROACH %	23%	42%	36%	39%	40%	21%	3%	93%	4%	11%	83%	7%						
PM	APP/DEPART	391	/	352	499	/	459	2,468	/	2,618	1,542	/	1,471	0					
PM	BEGIN PEAK HR		5:00 PM																
PM	VOLUMES	39	71	80	130	110	56	41	1,138	51	75	679	55	2,525					
PM	APPROACH %	21%	37%	42%	44%	37%	19%	3%	93%	4%	9%	84%	7%						
PM	PEAK HR FACTOR		0.766			0.871			0.918			0.932		0.988					
PM	APP/DEPART	190	/	167	296	/	236	1,230	/	1,348	809	/	774	0					

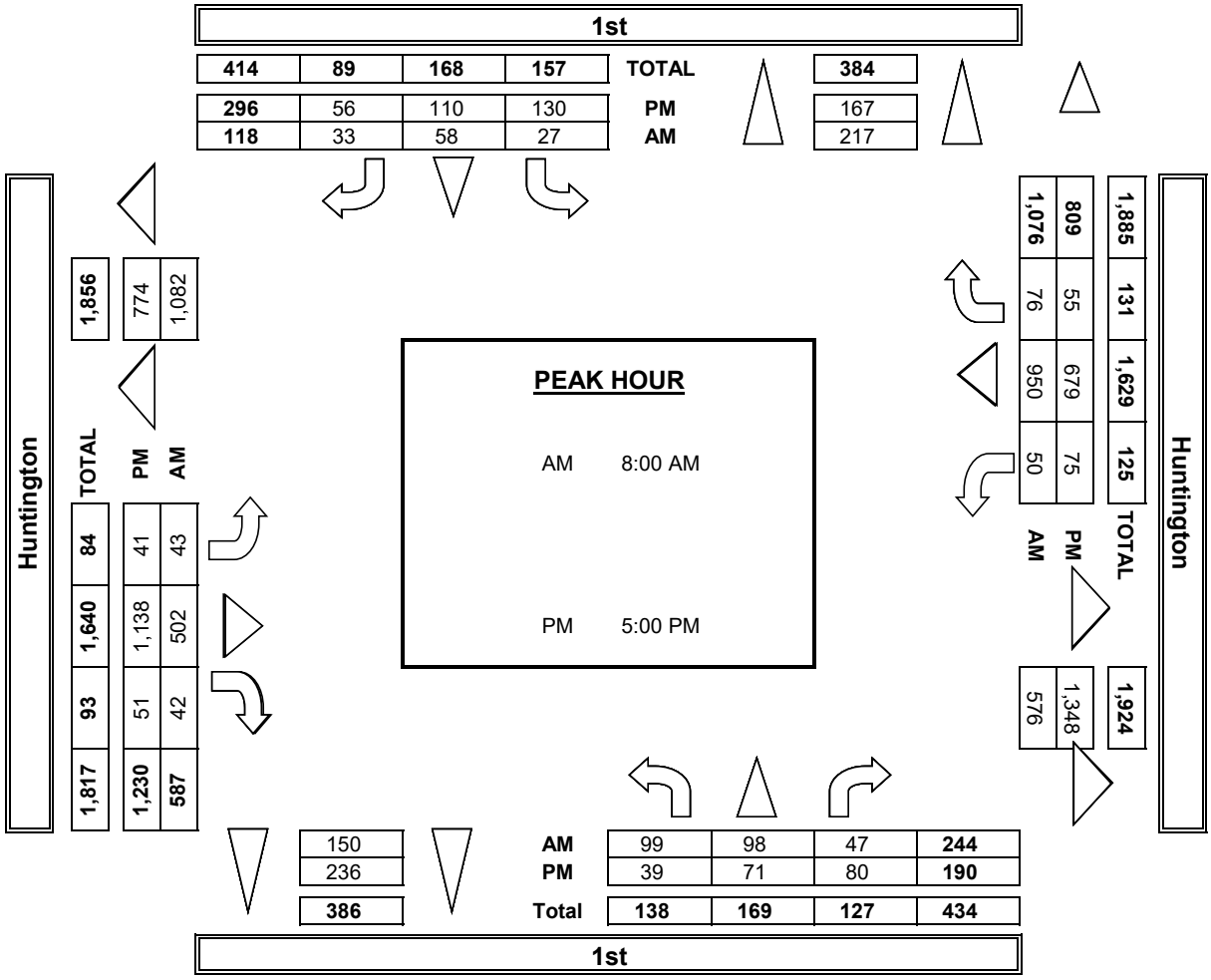


		ALL PED AND BIKE					PEDESTRIAN CROSSINGS					BICYCLE CROSSINGS				
		N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	NS	SS	ES	WS	TOTAL
AM	7:00 AM	1	5	2	3	11	1	4	1	3	9	0	1	1	0	2
AM	7:15 AM	0	2	2	1	5	0	1	2	1	4	0	1	0	0	1
AM	7:30 AM	1	6	2	2	11	1	6	2	2	11	0	0	0	0	0
AM	7:45 AM	2	6	3	4	15	2	6	2	4	14	0	0	1	0	1
AM	8:00 AM	1	3	1	6	11	1	2	1	3	7	0	1	0	3	4
AM	8:15 AM	0	2	2	2	6	0	2	2	2	6	0	0	0	0	0
AM	8:30 AM	3	1	2	7	13	2	1	2	6	11	1	0	0	1	2
AM	8:45 AM	0	2	5	4	11	0	2	4	1	7	0	0	1	3	4
AM	TOTAL	8	27	19	29	83	7	24	16	22	69	1	3	3	7	14
PM	4:00 PM	5	2	3	3	13	5	2	1	2	10	0	0	2	1	3
PM	4:15 PM	2	2	1	2	7	2	1	1	1	5	0	1	0	1	2
PM	4:30 PM	1	4	3	10	18	1	4	3	7	15	0	0	0	3	3
PM	4:45 PM	3	6	3	9	21	2	1	3	4	10	1	5	0	5	11
PM	5:00 PM	2	3	6	2	13	1	2	5	0	8	1	1	1	2	5
PM	5:15 PM	2	7	6	4	19	2	6	5	4	17	0	1	1	0	2
PM	5:30 PM	1	5	2	9	17	1	5	2	7	15	0	0	0	2	2
PM	5:45 PM	2	4	3	7	16	2	3	2	7	14	0	1	1	0	2
	TOTAL	18	33	27	46	124	16	24	22	32	94	2	9	5	14	30

AimTD LLC

TURNING MOVEMENT COUNTS





INTERSECTION TURNING MOVEMENT COUNTS

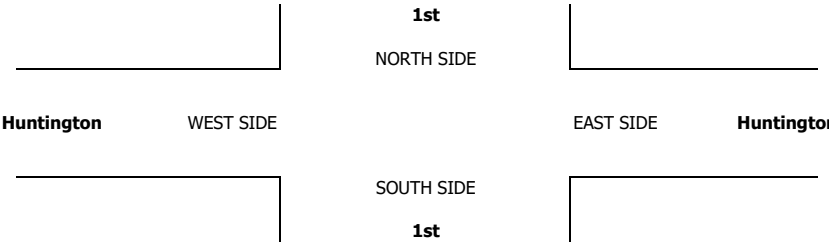
PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Arcadia	PROJECT #:	SC3386
4/20/22	NORTH & SOUTH:	1st	LOCATION #:	3
WEDNESDAY	EAST & WEST:	Huntington	CONTROL:	SIGNAL

	NOTES:									
PCE Adjusted	Class	1	2	3	4	5	6			
	Factor	1	1.5	2	3	2	2			

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND 1st			SOUTHBOUND 1st			EASTBOUND Huntington			WESTBOUND Huntington				U-TURNS				
	LANES:	NL 1	NT 1	NR 0	SL 1	ST 1	SR 0	EL 1	ET 2	ER 0	WL 1	WT 2	WR 0	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	9	5	3	2	0	5	2	47	1	7	127	4	211					0
	7:15 AM	8	3	8	2	2	2	4	62	7	3	187	6	293					0
	7:30 AM	19	9	9	1	7	0	10	88	13	6	219	8	387					0
	7:45 AM	31	16	8	5	7	5	2	122	14	11	251	13	484					0
	8:00 AM	48	36	18	6	14	3	12	123	18	7	247	19	550					0
	8:15 AM	22	30	13	6	13	9	6	131	12	15	258	22	535					0
	8:30 AM	17	17	11	10	16	11	19	110	6	15	246	20	496					0
	8:45 AM	15	18	5	6	18	11	13	154	10	13	244	17	522					0
	VOLUMES	167	133	75	38	76	46	68	836	79	77	1,777	108	3,477	0	0	0	0	0
	APPROACH %	44%	36%	20%	24%	48%	29%	7%	85%	8%	4%	91%	5%						
	APP/DEPART	375	/	308	160	/	232	982	/	948	1,961	/	1,990	0					
	BEGIN PEAK HR		8:00 AM																
	VOLUMES	101	100	47	28	61	34	50	517	45	50	994	77	2,103					
	APPROACH %	41%	40%	19%	23%	50%	28%	8%	84%	7%	4%	89%	7%						
	PEAK HR FACTOR		0.614			0.836			0.869			0.953		0.957					
	APP/DEPART	248	/	227	122	/	156	612	/	592	1,121	/	1,129	0					
PM	4:00 PM	11	25	19	15	28	15	14	264	10	24	137	12	572					0
	4:15 PM	15	23	12	18	22	12	11	315	13	21	169	10	639					0
	4:30 PM	11	25	12	17	24	16	15	289	18	22	158	18	624					0
	4:45 PM	14	26	19	16	21	11	10	317	7	21	146	13	619					0
	5:00 PM	14	29	21	41	33	14	14	254	10	23	180	18	649					0
	5:15 PM	7	19	22	33	34	18	7	302	9	20	169	15	654					0
	5:30 PM	8	8	17	35	26	11	13	311	20	13	169	13	642					0
	5:45 PM	11	19	21	23	21	17	15	300	12	19	173	13	641					0
	VOLUMES	90	173	143	197	206	113	98	2,350	99	163	1,299	111	5,039	0	0	0	0	0
	APPROACH %	22%	43%	35%	38%	40%	22%	4%	92%	4%	10%	83%	7%						
	APP/DEPART	406	/	381	515	/	467	2,547	/	2,690	1,572	/	1,501	0					
	BEGIN PEAK HR		5:00 PM																
	VOLUMES	40	75	81	131	113	59	49	1,166	51	75	690	58	2,586					
	APPROACH %	20%	38%	42%	43%	37%	19%	4%	92%	4%	9%	84%	7%						
	PEAK HR FACTOR		0.762			0.873			0.921			0.933		0.989					
	APP/DEPART	195	/	181	302	/	239	1,266	/	1,378	823	/	788	0					



INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE: Wed, Apr 20, 22

LOCATION: Arcadia
NORTH & SOUTH: 2nd
EAST & WEST: Huntington

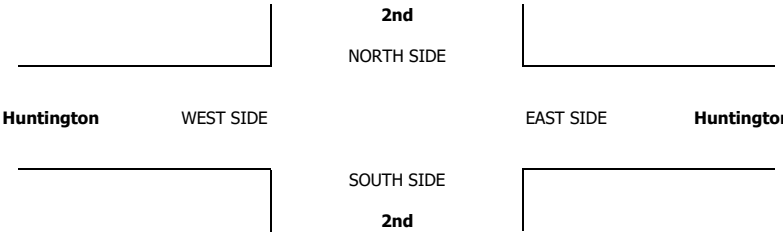
PROJECT #: SC3386
LOCATION #: 4
CONTROL: SIGNAL

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

☑ Add U-Turns to Left Turns

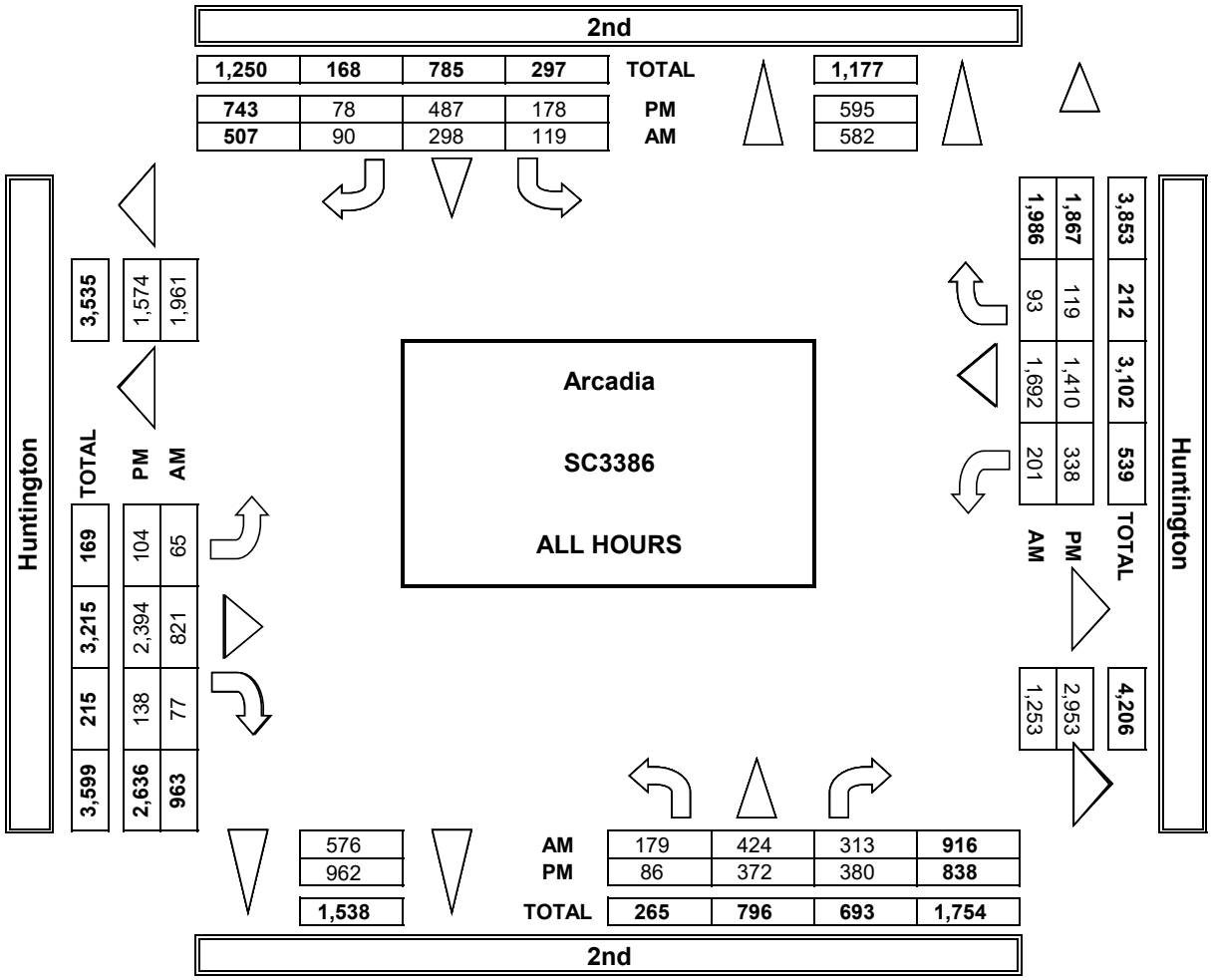
		NORTHBOUND 2nd			SOUTHBOUND 2nd			EASTBOUND Huntington			WESTBOUND Huntington				U-TURNS				
	LANES:	NL 1	NT 1	NR 1	SL 1	ST 2	SR 0	EL 1	ET 2	ER 1	WL 1	WT 2	WR 0	TOTAL	NB 0	SB 0	EB 0	WB 0	TTL
AM	7:00 AM	9	21	32	11	14	4	4	45	4	10	140	8	302	0	0	0	0	0
	7:15 AM	17	39	36	11	13	6	4	54	3	20	173	10	386	0	0	0	0	0
	7:30 AM	22	42	36	17	28	10	7	102	6	22	218	14	524	0	0	0	0	0
	7:45 AM	24	80	49	21	37	11	11	110	8	27	222	12	612	0	0	0	0	0
	8:00 AM	28	84	39	15	42	16	15	136	14	40	240	12	681	0	0	0	0	0
	8:15 AM	32	73	48	15	75	15	5	126	8	28	217	13	655	0	0	0	0	0
	8:30 AM	21	38	31	10	39	15	10	125	13	31	255	11	599	0	0	0	0	0
	8:45 AM	26	47	42	19	50	13	9	123	21	23	227	13	613	0	0	0	0	0
	VOLUMES	179	424	313	119	298	90	65	821	77	201	1,692	93	4,372	0	0	0	0	0
	APPROACH %	20%	46%	34%	23%	59%	18%	7%	85%	8%	10%	85%	5%						
	APP/DEPART	916	/	582	507	/	576	963	/	1,253	1,986	/	1,961	0					
	BEGIN PEAK HR		8:00 AM																
	VOLUMES	107	242	160	59	206	59	39	510	56	122	939	49	2,548					
	APPROACH %	21%	48%	31%	18%	64%	18%	6%	84%	9%	11%	85%	4%						
	PEAK HR FACTOR		0.832			0.771			0.917			0.934		0.935					
	APP/DEPART	509	/	330	324	/	384	605	/	729	1,110	/	1,105	0					
PM	4:00 PM	10	39	32	20	52	13	12	284	15	39	160	13	689	0	0	0	1	1
	4:15 PM	11	53	52	22	69	5	9	276	16	41	183	10	747	0	0	0	0	0
	4:30 PM	10	46	49	16	54	9	12	331	12	41	168	15	763	0	0	0	0	0
	4:45 PM	12	40	53	22	68	10	14	295	19	43	167	15	758	0	0	0	0	0
	5:00 PM	16	43	34	19	73	11	13	311	15	38	196	15	784	0	0	0	0	0
	5:15 PM	9	51	43	27	57	14	18	284	18	47	167	17	752	0	0	0	0	0
	5:30 PM	6	42	58	24	40	11	19	332	20	47	201	20	820	0	0	0	0	0
	5:45 PM	12	58	59	28	74	5	7	281	23	42	168	14	771	0	0	0	0	0
	VOLUMES	86	372	380	178	487	78	104	2,394	138	338	1,410	119	6,084	0	0	0	1	1
	APPROACH %	10%	44%	45%	24%	66%	10%	4%	91%	5%	18%	76%	6%						
	APP/DEPART	838	/	595	743	/	962	2,636	/	2,953	1,867	/	1,574	0					
	BEGIN PEAK HR		5:00 PM																
	VOLUMES	43	194	194	98	244	41	57	1,208	76	174	732	66	3,127					
	APPROACH %	10%	45%	45%	26%	64%	11%	4%	90%	6%	18%	75%	7%						
	PEAK HR FACTOR		0.835			0.895			0.904			0.907		0.953					
	APP/DEPART	431	/	317	383	/	494	1,341	/	1,500	972	/	816	0					

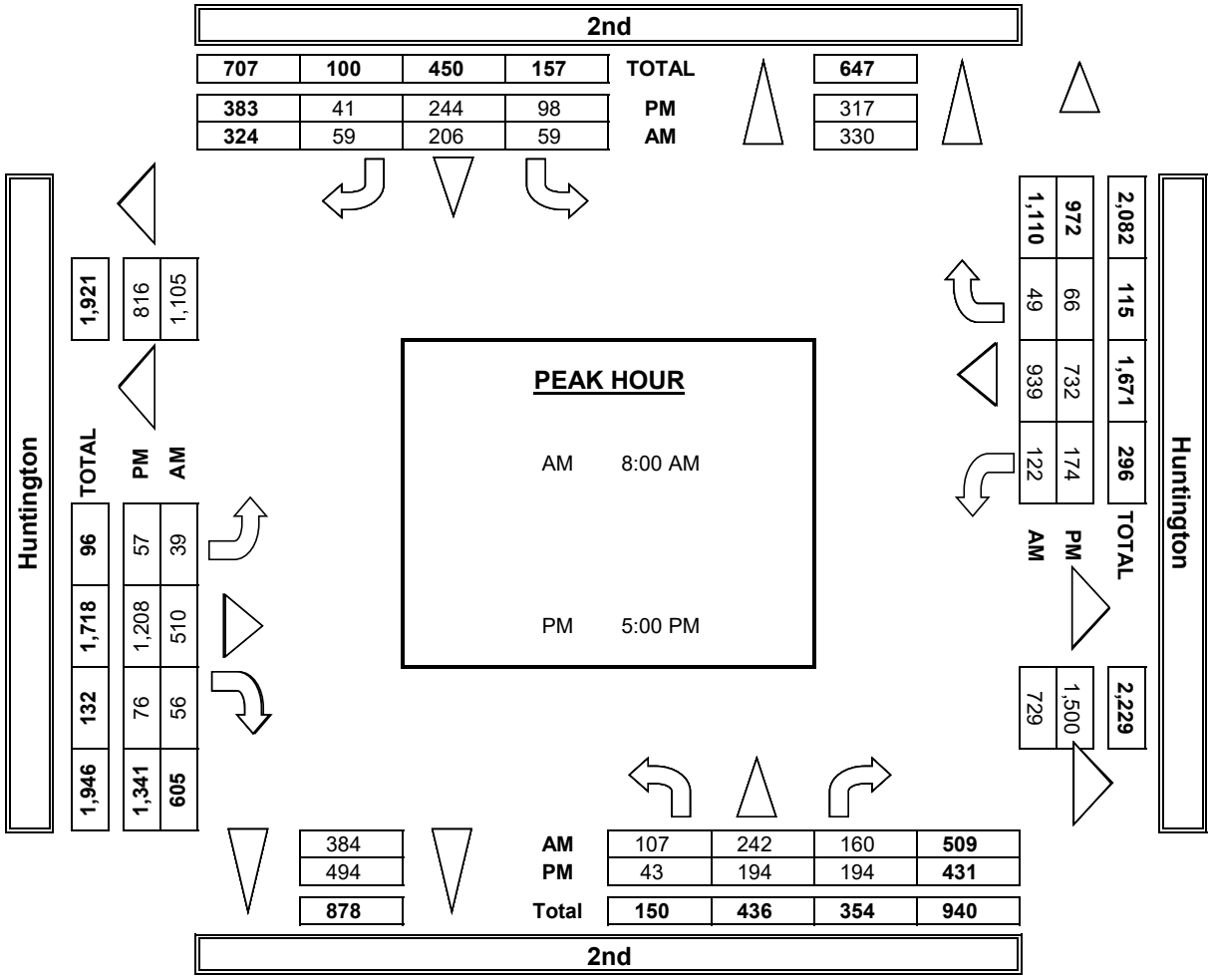


		ALL PED AND BIKE					PEDESTRIAN CROSSINGS					BICYCLE CROSSINGS				
		N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	NS	SS	ES	WS	TOTAL
AM	7:00 AM	2	3	5	0	10	2	3	5	0	10	0	0	0	0	0
	7:15 AM	1	3	3	0	7	1	2	2	0	5	0	1	1	0	2
	7:30 AM	2	5	1	1	9	2	5	1	1	9	0	0	0	0	0
	7:45 AM	4	4	0	1	9	4	4	0	0	8	0	0	0	1	1
	8:00 AM	4	1	0	0	5	4	0	0	0	4	0	1	0	0	1
	8:15 AM	2	0	1	0	3	2	0	1	0	3	0	0	0	0	0
	8:30 AM	2	2	3	0	7	2	2	2	0	6	0	0	1	0	1
	8:45 AM	0	2	2	0	4	0	2	2	0	4	0	0	0	0	0
	TOTAL	17	20	15	2	54	17	18	13	1	49	0	2	2	1	5
PM	4:00 PM	3	1	3	0	7	2	1	2	0	5	1	0	1	0	2
	4:15 PM	5	6	2	2	15	5	5	2	2	14	0	1	0	0	1
	4:30 PM	12	5	1	11	29	12	4	1	11	28	0	1	0	0	1
	4:45 PM	3	10	0	2	15	2	5	0	2	9	1	5	0	0	6
	5:00 PM	5	5	2	1	13	5	4	2	0	11	0	1	0	1	2
	5:15 PM	2	4	8	1	15	2	4	8	1	15	0	0	0	0	0
	5:30 PM	2	4	8	5	19	2	4	8	5	19	0	0	0	0	0
	5:45 PM	4	6	6	0	16	4	5	6	0	15	0	1	0	0	1
	TOTAL	36	41	30	22	129	34	32	29	21	116	2	9	1	1	13

AimTD LLC

TURNING MOVEMENT COUNTS





INTERSECTION TURNING MOVEMENT COUNTS

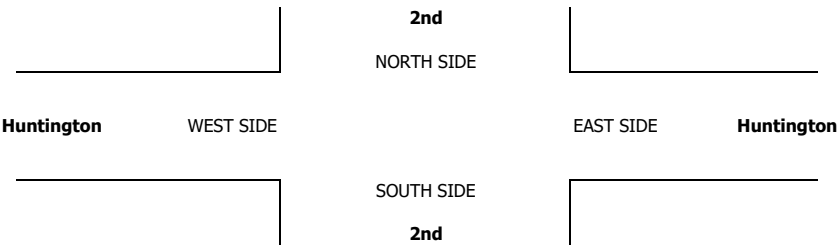
PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:					
4/20/22	LOCATION:	Arcadia	PROJECT #:	SC3386	
WEDNESDAY	NORTH & SOUTH:	2nd	LOCATION #:	4	
	EAST & WEST:	Huntington	CONTROL:	SIGNAL	

	NOTES:												
PCE Adjusted	Class	1	2	3	4	5	6			AM		▲ N	
	Factor	1	1.5	2	3	2	2			PM	◄ W		E ►
										MD			
										OTHER		S ▼	
										OTHER			

	NORTHBOUND 2nd			SOUTHBOUND 2nd			EASTBOUND Huntington			WESTBOUND Huntington			
LANES:	NL 1	NT 1	NR 1	SL 1	ST 2	SR 0	EL 1	ET 2	ER 1	WL 1	WT 2	WR 0	TOTAL
7:00 AM	9	24	33	11	15	4	4	48	5	12	146	9	319
7:15 AM	17	43	36	11	13	6	4	56	3	22	179	13	402
7:30 AM	22	44	37	17	28	11	9	106	6	22	227	14	541
7:45 AM	24	82	51	22	38	11	11	112	9	28	234	12	632
8:00 AM	29	86	40	15	42	17	16	139	14	41	249	13	699
8:15 AM	35	75	49	15	76	15	8	131	8	30	227	15	683
8:30 AM	21	40	31	10	42	16	10	128	13	32	266	11	619
8:45 AM	26	48	42	25	52	15	9	126	22	23	237	13	636
VOLUMES	183	440	318	125	305	93	71	844	80	209	1,764	99	4,529
APPROACH %	19%	47%	34%	24%	58%	18%	7%	85%	8%	10%	85%	5%	
APP/DEPART	940	/	610	523	/	594	995	/	1,287	2,071	/	2,039	0
BEGIN PEAK HR		8:00 AM											
VOLUMES	111	249	162	65	212	62	43	523	57	126	979	52	2,637
APPROACH %	21%	48%	31%	19%	63%	18%	7%	84%	9%	11%	85%	4%	
PEAK HR FACTOR		0.824			0.796			0.922			0.936		0.943
APP/DEPART	521	/	343	338	/	394	623	/	749	1,156	/	1,151	0
4:00 PM	11	40	32	22	53	13	12	293	16	40	161	14	704
4:15 PM	11	54	53	23	71	5	9	289	16	41	189	10	770
4:30 PM	11	48	49	16	55	9	12	339	12	42	173	16	780
4:45 PM	13	41	54	23	71	10	15	304	19	44	170	15	777
5:00 PM	16	44	35	19	74	13	14	317	15	38	199	16	798
5:15 PM	9	51	43	28	59	15	19	291	19	47	170	18	767
5:30 PM	6	42	59	24	40	12	19	340	20	47	204	20	832
5:45 PM	12	58	59	28	75	5	7	288	23	42	170	15	781
VOLUMES	88	377	383	182	497	82	106	2,460	140	340	1,434	122	6,208
APPROACH %	10%	45%	45%	24%	65%	11%	4%	91%	5%	18%	76%	6%	
APP/DEPART	847	/	605	760	/	976	2,706	/	3,024	1,896	/	1,603	0
BEGIN PEAK HR		5:00 PM											
VOLUMES	43	195	195	99	248	45	59	1,236	77	174	743	68	3,178
APPROACH %	10%	45%	45%	25%	63%	11%	4%	90%	6%	18%	75%	7%	
PEAK HR FACTOR		0.838			0.908			0.904			0.909		0.955
APP/DEPART	433	/	321	391	/	498	1,371	/	1,529	984	/	830	0

U-TURNS					
NB	SB	EB	WB	TTL	
				0	7:00 AM
				0	7:15 AM
				0	7:30 AM
				0	7:45 AM
				0	8:00 AM
				0	8:15 AM
				0	8:30 AM
				0	8:45 AM
0	0	0	0	0	AM VOLUMES
					AM APPROACH %
					AM APP/DEPART
					AM BEGIN PEAK HR
					AM PEAK HR VOLUMES
					AM PEAK HR APPROACH %
					AM PEAK HR FACTOR
					AM PEAK HR APP/DEPART
				0	4:00 PM
				0	4:15 PM
				0	4:30 PM
				0	4:45 PM
				0	5:00 PM
				0	5:15 PM
				0	5:30 PM
				0	5:45 PM
0	0	0	0	0	PM VOLUMES
					PM APPROACH %
					PM APP/DEPART
					PM BEGIN PEAK HR
					PM PEAK HR VOLUMES
					PM PEAK HR APPROACH %
					PM PEAK HR FACTOR
					PM PEAK HR APP/DEPART



INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Arcadia	PROJECT #:	SC3386
Wed, Apr 20, 22	NORTH & SOUTH:	Gateway	LOCATION #:	5
	EAST & WEST:	Huntington	CONTROL:	SIGNAL

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

☑ Add U-Turns to Left Turns

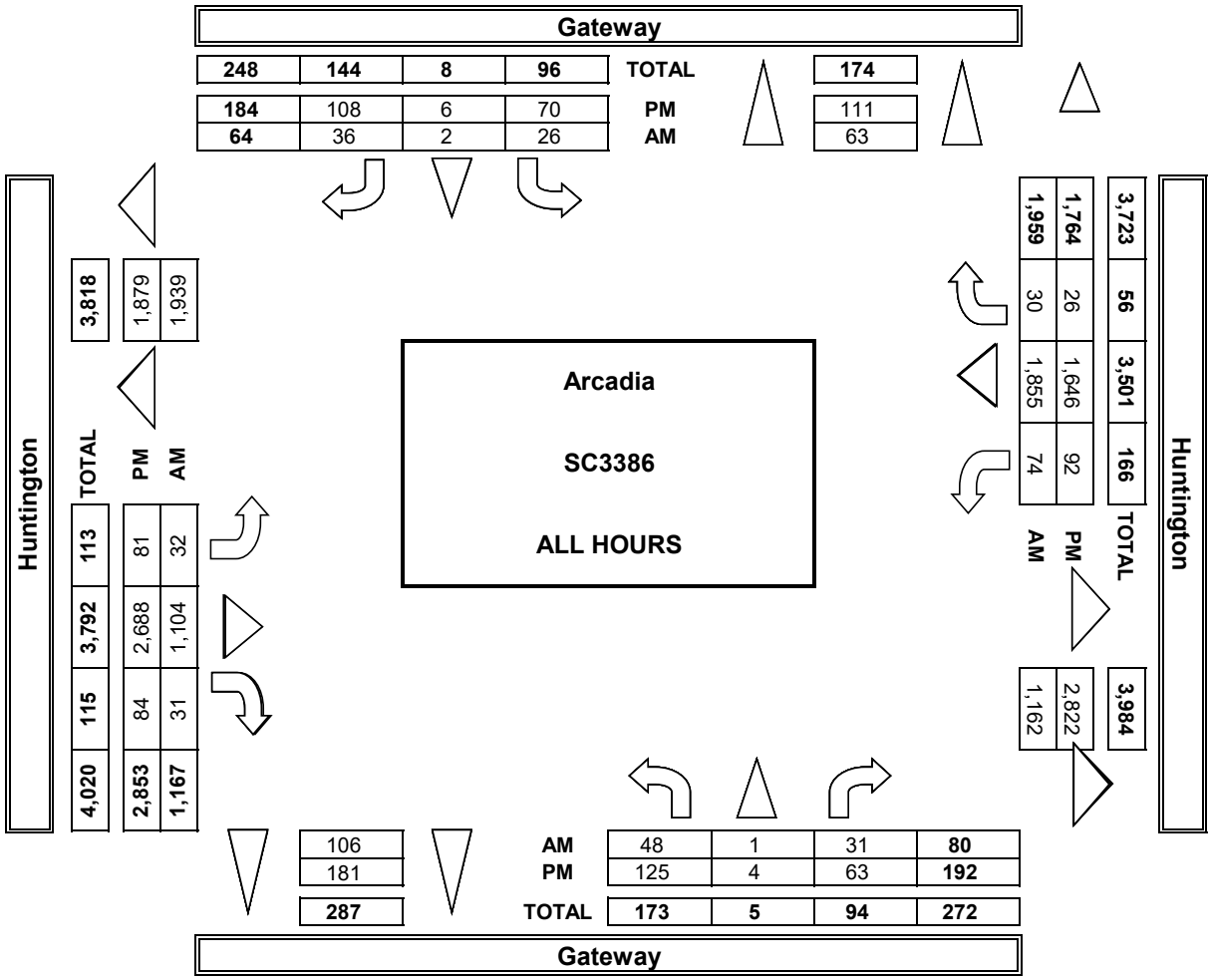
		NORTHBOUND Gateway			SOUTHBOUND Gateway			EASTBOUND Huntington			WESTBOUND Huntington				U-TURNS				
	LANES:	NL 0	NT 1	NR 0	SL 0	ST 1	SR 0	EL 1	ET 2	ER 0	WL 1	WT 2	WR 0	TOTAL	NB 0	SB 0	EB 0	WB 0	TTL
AM	7:00 AM	0	0	2	4	0	5	1	81	1	4	148	3	249	0	0	0	0	0
	7:15 AM	4	0	3	6	0	4	1	105	3	10	190	2	328	0	0	0	0	0
	7:30 AM	10	0	3	2	0	6	1	125	3	10	215	2	377	0	0	0	0	0
	7:45 AM	2	0	4	2	0	3	4	154	3	8	275	4	459	0	0	0	0	0
	8:00 AM	12	1	6	4	0	4	5	177	4	13	245	2	473	0	0	0	0	0
	8:15 AM	9	0	2	2	1	1	4	171	7	10	262	2	471	0	0	0	1	1
	8:30 AM	7	0	4	2	1	8	5	135	5	8	256	3	434	0	0	0	0	0
	8:45 AM	4	0	7	4	0	5	11	156	5	11	264	12	479	0	0	0	0	0
	VOLUMES	48	1	31	26	2	36	32	1,104	31	74	1,855	30	3,270	0	0	0	1	1
	APPROACH %	60%	1%	39%	41%	3%	56%	3%	95%	3%	4%	95%	2%						
	APP/DEPART	80	/	63	64	/	106	1,167	/	1,162	1,959	/	1,939	0					
	BEGIN PEAK HR		8:00 AM																
	VOLUMES	32	1	19	12	2	18	25	639	21	42	1,027	19	1,857					
	APPROACH %	62%	2%	37%	38%	6%	56%	4%	93%	3%	4%	94%	2%						
	PEAK HR FACTOR		0.684			0.727			0.921			0.948		0.969					
	APP/DEPART	52	/	45	32	/	64	685	/	671	1,088	/	1,077	0					
PM	4:00 PM	18	2	7	8	1	13	9	300	10	10	175	1	554	0	0	0	0	0
	4:15 PM	18	0	7	10	1	12	10	337	9	6	192	2	604	0	0	0	0	0
	4:30 PM	8	0	9	7	0	16	11	321	10	8	205	4	599	0	0	0	0	0
	4:45 PM	9	0	9	5	1	10	8	368	10	19	214	5	658	0	0	0	0	0
	5:00 PM	18	1	8	5	1	19	9	308	11	9	225	5	619	0	0	0	0	0
	5:15 PM	9	0	5	11	0	11	16	335	14	14	212	6	633	0	0	0	0	0
	5:30 PM	28	0	8	13	0	14	8	352	6	10	210	3	652	0	0	0	0	0
	5:45 PM	17	1	10	11	2	13	10	367	14	16	213	0	674	0	0	0	1	1
	VOLUMES	125	4	63	70	6	108	81	2,688	84	92	1,646	26	4,993	0	0	0	1	1
	APPROACH %	65%	2%	33%	38%	3%	59%	3%	94%	3%	5%	93%	1%						
	APP/DEPART	192	/	111	184	/	181	2,853	/	2,822	1,764	/	1,879	0					
	BEGIN PEAK HR		5:00 PM																
	VOLUMES	72	2	31	40	3	57	43	1,362	45	49	860	14	2,578					
	APPROACH %	69%	2%	30%	40%	3%	57%	3%	94%	3%	5%	93%	2%						
	PEAK HR FACTOR		0.729			0.926			0.927			0.965		0.956					
	APP/DEPART	105	/	59	100	/	96	1,450	/	1,434	923	/	989	0					

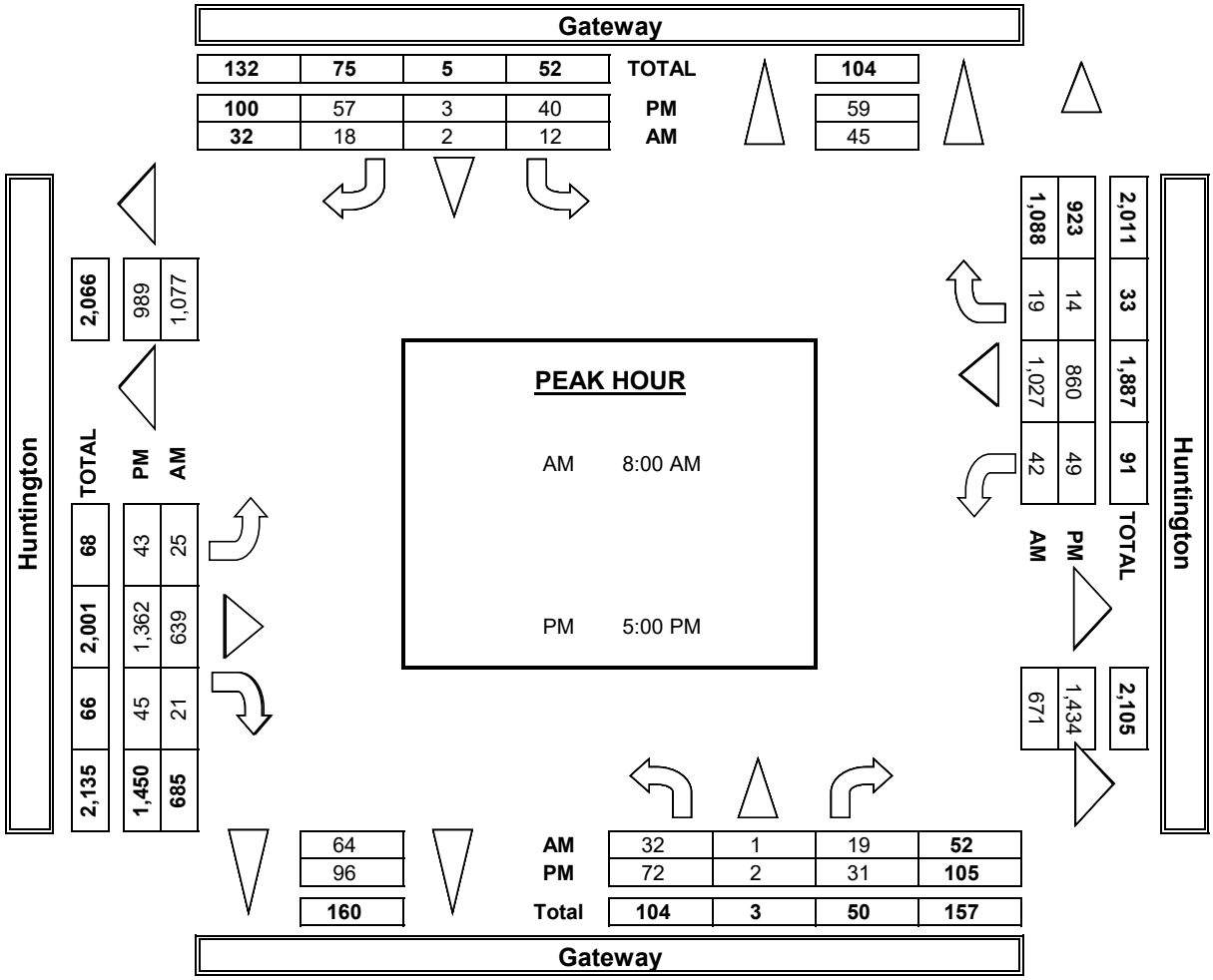


		ALL PED AND BIKE					PEDESTRIAN CROSSINGS					BICYCLE CROSSINGS				
		N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	NS	SS	ES	WS	TOTAL
AM	7:00 AM	0	1	0	0	1	0	1	0	0	1	0	0	0	0	0
	7:15 AM	0	1	0	1	2	0	1	0	1	2	0	0	0	0	0
	7:30 AM	1	8	0	0	9	1	8	0	0	9	0	0	0	0	0
	7:45 AM	4	4	1	0	9	4	4	1	0	9	0	0	0	0	0
	8:00 AM	2	1	0	0	3	2	1	0	0	3	0	0	0	0	0
	8:15 AM	3	3	0	0	6	2	3	0	0	5	1	0	0	0	1
	8:30 AM	4	13	1	0	18	3	13	1	0	17	1	0	0	0	1
	8:45 AM	0	0	1	0	1	0	0	1	0	1	0	0	0	0	0
	TOTAL	14	31	3	1	49	12	31	3	1	47	2	0	0	0	2
PM	4:00 PM	5	1	0	4	10	4	1	0	2	7	1	0	0	2	3
	4:15 PM	6	4	0	2	12	6	3	0	2	11	0	1	0	0	1
	4:30 PM	5	9	0	6	20	5	5	0	6	16	0	4	0	0	4
	4:45 PM	4	9	3	1	17	2	3	2	1	8	2	6	1	0	9
	5:00 PM	1	3	1	1	6	1	2	1	1	5	0	1	0	0	1
	5:15 PM	5	5	0	0	10	5	5	0	0	10	0	0	0	0	0
	5:30 PM	1	5	1	0	7	1	4	1	0	6	0	1	0	0	1
	5:45 PM	1	2	1	0	4	1	1	1	0	3	0	1	0	0	1
	TOTAL	28	38	6	14	86	25	24	5	12	66	3	14	1	2	20

AimTD LLC

TURNING MOVEMENT COUNTS





INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Arcadia	PROJECT #:	SC3386
4/20/22	NORTH & SOUTH:	Gateway	LOCATION #:	5
WEDNESDAY	EAST & WEST:	Huntington	CONTROL:	SIGNAL

	NOTES:											
PCE Adjusted	Class	1	2	3	4	5	6			AM / PM / MD / OTHER / OTHER	▲ N / ◄ W / E ► / S ▼	
	Factor	1	1.5	2	3	2	2					

	NORTHBOUND Gateway			SOUTHBOUND Gateway			EASTBOUND Huntington			WESTBOUND Huntington				U-TURNS				
LANES:	NL 0	NT 1	NR 0	SL 0	ST 1	SR 0	EL 1	ET 2	ER 0	WL 1	WT 2	WR 0	TOTAL	NB	SB	EB	WB	TTL
7:00 AM	0	0	2	4	0	5	1	84	1	4	156	3	260					0
7:15 AM	5	0	3	6	0	4	1	107	3	10	200	2	341					0
7:30 AM	10	0	3	2	0	6	1	130	3	11	224	2	392					0
7:45 AM	2	0	4	2	0	3	4	160	3	8	288	5	478					0
8:00 AM	12	1	6	4	0	4	5	181	5	13	254	2	487					0
8:15 AM	9	0	2	2	1	1	4	174	7	11	277	2	489					0
8:30 AM	7	0	4	2	1	8	5	139	6	8	266	3	448					0
8:45 AM	4	0	7	6	0	5	13	163	5	12	276	12	502					0
AM VOLUMES	49	1	31	28	2	36	34	1,136	32	76	1,939	31	3,394	0	0	0	0	0
AM APPROACH %	60%	1%	39%	42%	3%	55%	3%	95%	3%	4%	95%	1%						
AM APP/DEPART	81	/	66	66	/	110	1,202	/	1,195	2,046	/	2,024	0					
AM BEGIN PEAK HR		8:00 AM																
AM VOLUMES	32	1	19	14	2	18	27	656	22	43	1,072	19	1,925					
AM APPROACH %	62%	2%	37%	41%	6%	53%	4%	93%	3%	4%	95%	2%						
AM PEAK HR FACTOR		0.684			0.773			0.925			0.948		0.960					
AM APP/DEPART	52	/	47	34	/	67	705	/	689	1,134	/	1,122	0					
4:00 PM	19	2	7	9	1	13	9	310	10	10	177	1	567					0
4:15 PM	18	0	7	10	1	12	10	353	9	6	197	2	625					0
4:30 PM	9	0	9	7	0	17	11	331	10	9	209	4	614					0
4:45 PM	10	0	9	5	1	10	8	377	10	19	218	5	671					0
5:00 PM	18	1	8	5	1	20	9	314	12	9	228	5	629					0
5:15 PM	9	0	5	11	0	12	17	343	14	14	215	6	645					0
5:30 PM	28	0	8	13	0	14	8	358	6	10	213	3	661					0
5:45 PM	17	1	10	11	2	13	10	376	14	16	216	0	686					0
PM VOLUMES	127	4	63	71	6	110	82	2,760	85	93	1,671	26	5,095	0	0	0	0	0
PM APPROACH %	65%	2%	32%	38%	3%	59%	3%	94%	3%	5%	93%	1%						
PM APP/DEPART	194	/	112	186	/	183	2,926	/	2,894	1,789	/	1,907	0					
PM BEGIN PEAK HR		5:00 PM																
PM VOLUMES	72	2	31	40	3	58	44	1,390	46	49	871	14	2,619					
PM APPROACH %	69%	2%	30%	40%	3%	57%	3%	94%	3%	5%	93%	1%						
PM PEAK HR FACTOR		0.729			0.935			0.926			0.965		0.955					
PM APP/DEPART	105	/	60	101	/	98	1,479	/	1,461	934	/	1,001	0					

Gateway

NORTH SIDE

Huntington WEST SIDE EAST SIDE **Huntington**

SOUTH SIDE

Gateway

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

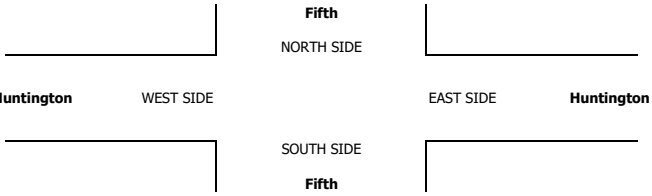
DATE:	LOCATION:	Arcadia	PROJECT #:	SC3386
Wed, Apr 20, 22	NORTH & SOUTH:	Fifth	LOCATION #:	6
	EAST & WEST:	Huntington	CONTROL:	SIGNAL

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

☑ Add U-Turns to Left Turns

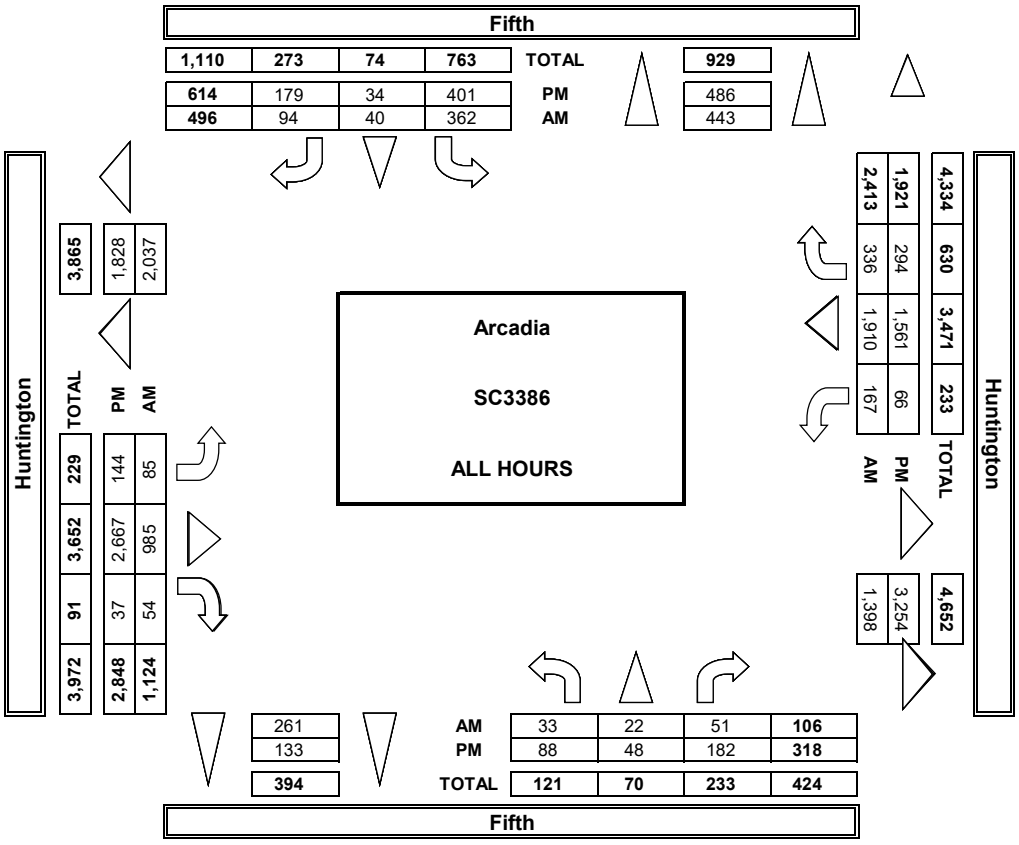
		NORTHBOUND Fifth			SOUTHBOUND Fifth			EASTBOUND Huntington			WESTBOUND Huntington				U-TURNS				
	LANES:	NL 1	NT 1	NR 0	SL 1	ST 1	SR 0	EL 1	ET 2	ER 0	WL 1	WT 2	WR 1	TOTAL	NB 0	SB 0	EB 0	WB 0	TTL
AM	7:00 AM	1	1	5	30	2	4	5	71	1	15	155	25	315	0	0	0	0	0
	7:15 AM	2	1	2	34	3	9	5	110	4	10	199	25	404	0	0	0	0	0
	7:30 AM	3	3	4	28	3	9	6	117	5	17	233	43	471	0	0	0	0	0
	7:45 AM	2	6	8	51	11	11	8	132	12	33	265	58	597	0	0	0	0	0
	8:00 AM	4	2	10	47	6	15	18	160	6	19	274	48	609	0	0	0	0	0
	8:15 AM	4	5	7	76	8	14	16	143	9	21	248	49	600	0	0	0	0	0
	8:30 AM	7	1	9	55	5	20	12	122	13	24	268	44	580	0	0	0	0	0
	8:45 AM	10	3	6	41	2	12	15	130	4	28	268	44	563	0	0	0	0	0
	VOLUMES	33	22	51	362	40	94	85	985	54	167	1,910	336	4,139	0	0	0	0	0
	APPROACH %	31%	21%	48%	73%	8%	19%	8%	88%	5%	7%	79%	14%						
	APP/DEPART	106	/	443	496	/	261	1,124	/	1,398	2,413	/	2,037	0					
	BEGIN PEAK HR		7:45 AM																
	VOLUMES	17	14	34	229	30	60	54	557	40	97	1,055	199	2,386					
	APPROACH %	26%	22%	52%	72%	9%	19%	8%	86%	6%	7%	78%	15%						
	PEAK HR FACTOR		0.956			0.814			0.885			0.949		0.979					
	APP/DEPART	65	/	267	319	/	167	651	/	820	1,351	/	1,132	0					
PM	4:00 PM	14	6	10	48	1	17	18	319	7	6	167	28	641	0	0	0	0	0
	4:15 PM	10	6	22	52	9	26	24	310	7	9	184	43	702	0	0	0	1	1
	4:30 PM	11	11	11	68	5	26	14	329	0	14	191	36	716	0	0	0	3	3
	4:45 PM	11	7	23	41	5	33	18	345	7	7	193	38	728	0	0	0	0	0
	5:00 PM	15	6	51	48	6	29	18	324	2	8	197	38	742	0	0	0	0	0
	5:15 PM	11	4	37	43	1	14	14	312	3	6	219	33	697	0	0	0	0	0
	5:30 PM	6	5	14	57	4	21	14	389	3	9	211	44	777	0	0	0	0	0
	5:45 PM	10	3	14	44	3	13	24	339	8	7	199	34	698	0	0	0	0	0
	VOLUMES	88	48	182	401	34	179	144	2,667	37	66	1,561	294	5,701	0	0	0	4	4
	APPROACH %	28%	15%	57%	65%	6%	29%	5%	94%	1%	3%	81%	15%						
	APP/DEPART	318	/	486	614	/	133	2,848	/	3,254	1,921	/	1,828	0					
	BEGIN PEAK HR		4:45 PM																
	VOLUMES	43	22	125	189	16	97	64	1,370	15	30	820	153	2,944					
	APPROACH %	23%	12%	66%	63%	5%	32%	4%	95%	1%	3%	82%	15%						
	PEAK HR FACTOR		0.660			0.910			0.892			0.950		0.947					
	APP/DEPART	190	/	239	302	/	61	1,449	/	1,684	1,003	/	960	0					

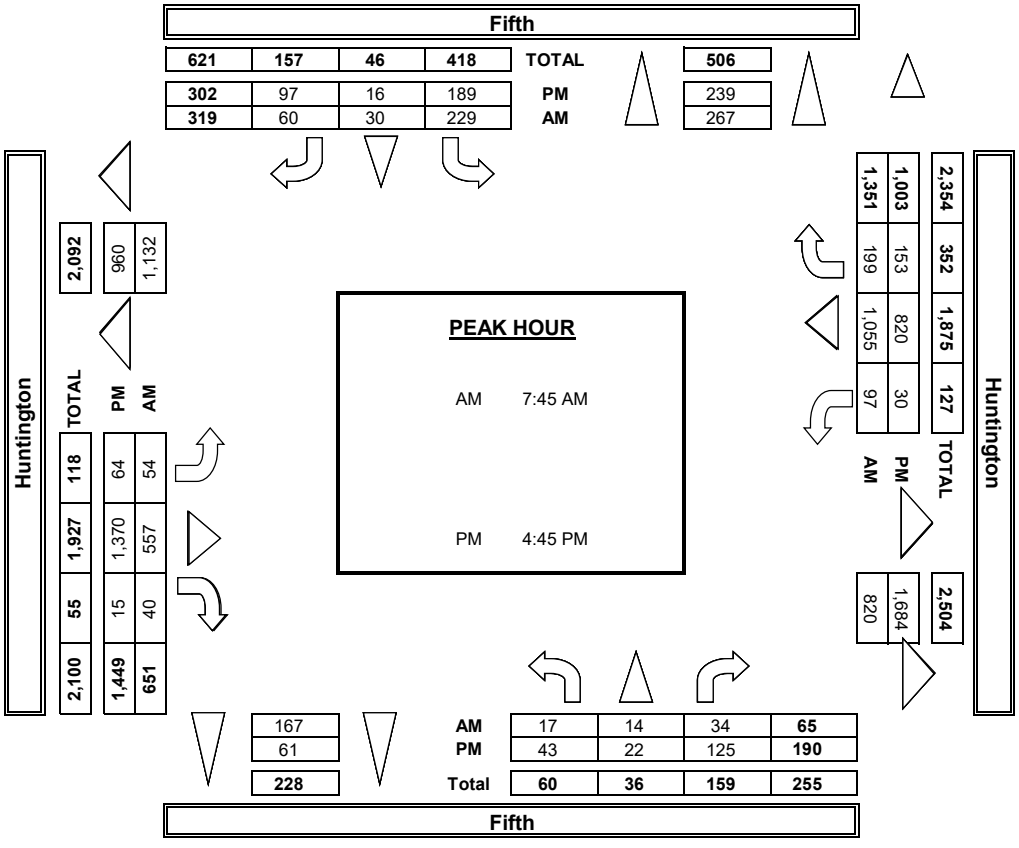


		ALL PED AND BIKE					PEDESTRIAN CROSSINGS					BICYCLE CROSSINGS				
		N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	NS	SS	ES	WS	TOTAL
AM	7:00 AM	0	1	0	0	1	0	1	0	0	1	0	0	0	0	0
	7:15 AM	1	3	3	1	8	1	3	3	0	7	0	0	0	1	1
	7:30 AM	1	4	3	0	8	1	4	3	0	8	0	0	0	0	0
	7:45 AM	1	3	4	3	11	1	3	4	2	10	0	0	0	1	1
	8:00 AM	1	1	2	1	5	1	1	2	1	5	0	0	0	0	0
	8:15 AM	0	0	4	2	6	0	0	4	1	5	0	0	0	1	1
	8:30 AM	3	3	8	0	14	2	3	7	0	12	1	0	1	0	2
	8:45 AM	1	0	2	0	3	1	0	2	0	3	0	0	0	0	0
	TOTAL	8	15	26	7	56	7	15	25	4	51	1	0	1	3	5
PM	4:00 PM	0	2	2	3	7	0	2	2	1	5	0	0	0	2	2
	4:15 PM	2	4	4	1	11	2	3	2	1	8	0	1	2	0	3
	4:30 PM	8	9	3	4	24	8	4	2	2	16	0	5	1	2	8
	4:45 PM	4	1	0	10	15	2	0	0	10	12	2	1	0	0	3
	5:00 PM	0	5	2	2	9	0	4	1	2	7	0	1	1	0	2
	5:15 PM	2	1	1	1	5	2	1	1	0	4	0	0	0	1	1
	5:30 PM	0	2	1	0	3	0	1	0	0	1	0	1	1	0	2
	5:45 PM	1	2	2	3	8	1	1	1	1	4	0	1	1	2	4
	TOTAL	17	26	15	24	82	15	16	9	17	57	2	10	6	7	25

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TURNING MOVEMENT COUNTS





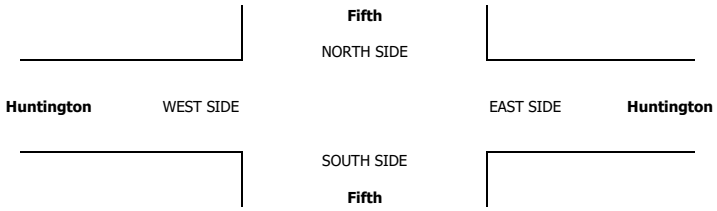
INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:					
4/20/22	LOCATION:	Arcadia	PROJECT #:	SC3386	
WEDNESDAY	NORTH & SOUTH:	Fifth	LOCATION #:	6	
	EAST & WEST:	Huntington	CONTROL:	SIGNAL	

	NOTES:												
PCE	Class	1	2	3	4	5	6			AM		▲ N	
Adjusted	Factor	1	1.5	2	3	2	2			PM			
										MD	◄ W		E ►
										OTHER		S	
										OTHER		▼	

		NORTHBOUND Fifth			SOUTHBOUND Fifth			EASTBOUND Huntington			WESTBOUND Huntington				U-TURNS				
	LANES:	NL 1	NT 1	NR 0	SL 1	ST 1	SR 0	EL 1	ET 2	ER 0	WL 1	WT 2	WR 1	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	1	1	5	30	2	4	6	77	1	15	162	26	329					0
	7:15 AM	3	1	2	35	3	9	6	111	5	11	207	26	418					0
	7:30 AM	3	3	4	29	3	9	7	122	5	17	243	44	488					0
	7:45 AM	2	7	9	52	12	11	8	137	12	34	281	62	626					0
	8:00 AM	4	2	11	48	6	16	18	164	6	20	283	50	625					0
	8:15 AM	4	5	8	80	8	15	17	146	10	22	265	54	630					0
	8:30 AM	8	1	9	57	5	21	13	127	13	26	277	45	599					0
	8:45 AM	10	3	7	44	2	13	17	137	4	29	281	47	592					0
	VOLUMES	35	23	54	373	41	96	90	1,019	56	172	1,998	353	4,306	0	0	0	0	0
	APPROACH %	31%	20%	48%	73%	8%	19%	8%	88%	5%	7%	79%	14%						
	APP/DEPART	111	/	465	509	/	268	1,164	/	1,445	2,523	/	2,129	0					
	BEGIN PEAK HR		7:45 AM																
	VOLUMES	18	15	36	236	31	62	55	573	41	101	1,106	210	2,480					
	APPROACH %	26%	21%	53%	72%	9%	19%	8%	86%	6%	7%	78%	15%						
	PEAK HR FACTOR		0.971			0.803			0.891			0.939		0.984					
	APP/DEPART	68	/	280	328	/	172	668	/	844	1,416	/	1,185	0					
PM	4:00 PM	14	8	11	50	1	18	18	329	7	7	169	29	658					0
	4:15 PM	11	6	23	53	10	27	24	323	7	9	189	45	725					0
	4:30 PM	11	11	11	68	5	26	14	339	0	15	196	38	733					0
	4:45 PM	11	7	24	42	5	35	18	352	7	7	194	39	740					0
	5:00 PM	16	6	52	49	7	29	18	331	2	8	200	40	757					0
	5:15 PM	11	4	38	52	1	14	14	317	4	6	222	33	714					0
	5:30 PM	6	5	14	58	4	21	15	397	3	10	214	45	790					0
	5:45 PM	11	3	14	45	3	13	24	347	9	7	202	36	712					0
	VOLUMES	90	50	185	416	36	182	145	2,734	38	68	1,584	303	5,828	0	0	0	0	0
	APPROACH %	28%	15%	57%	66%	6%	29%	5%	94%	1%	3%	81%	15%						
	APP/DEPART	325	/	497	634	/	141	2,917	/	3,335	1,954	/	1,856	0					
	BEGIN PEAK HR		4:45 PM																
	VOLUMES	44	22	127	200	17	99	65	1,397	16	31	829	156	3,001					
	APPROACH %	23%	11%	66%	63%	5%	31%	4%	95%	1%	3%	82%	15%						
	PEAK HR FACTOR		0.652			0.929			0.891			0.947		0.950					
	APP/DEPART	193	/	242	316	/	63	1,477	/	1,724	1,015	/	972	0					



INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

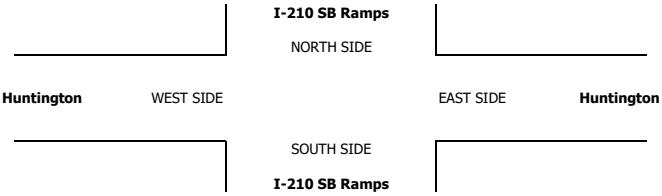
DATE:	LOCATION:	Arcadia	PROJECT #:	SC3386
Wed, Apr 20, 22	NORTH & SOUTH:	I-210 SB Ramps	LOCATION #:	7
	EAST & WEST:	Huntington	CONTROL:	SIGNAL

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

☑ Add U-Turns to Left Turns

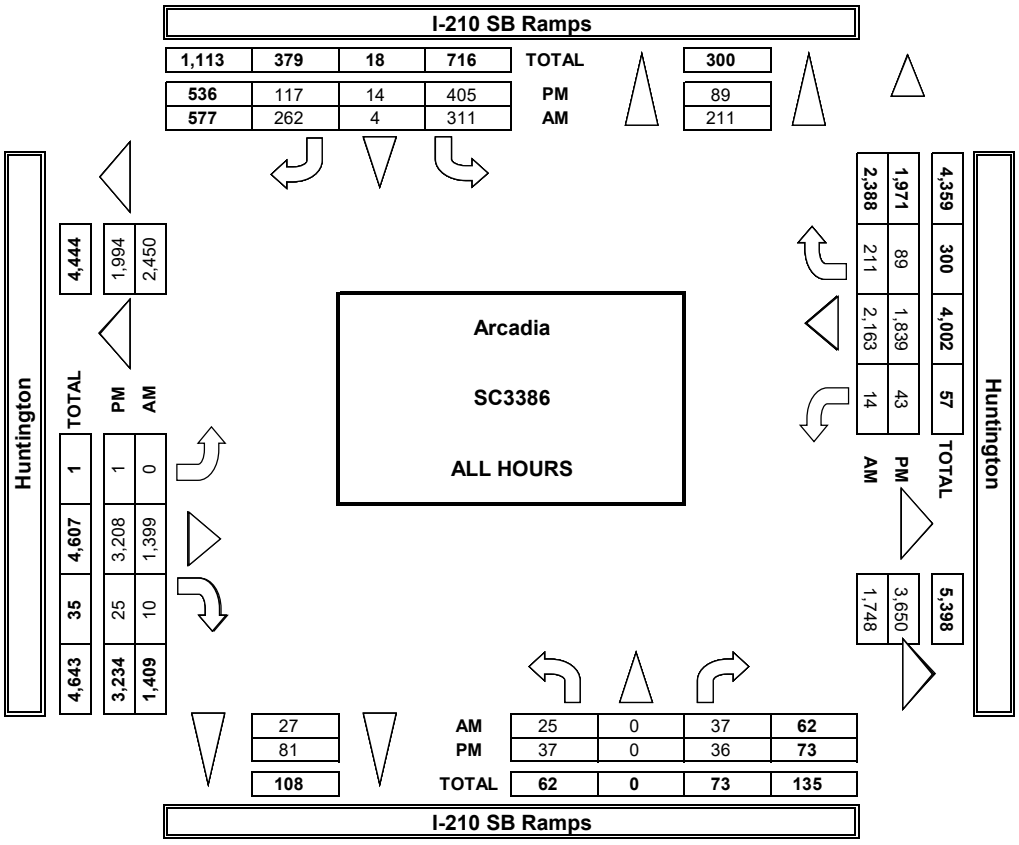
		NORTHBOUND I-210 SB Ramps			SOUTHBOUND I-210 SB Ramps			EASTBOUND Huntington			WESTBOUND Huntington				U-TURNS				
	LANES:	NL 1	NT X	NR 1	SL 1.5	ST 0.5	SR 1	EL X	ET 3	ER 0	WL 1	WT 2	WR 1	TOTAL	NB 0	SB 0	EB 0	WB 0	TTL
AM	7:00 AM	1	0	5	24	0	13	0	111	1	0	178	26	359	0	0	0	0	0
	7:15 AM	4	0	5	27	2	22	0	142	1	0	225	23	451	0	0	0	0	0
	7:30 AM	4	0	10	42	0	25	0	148	1	2	267	35	534	0	0	0	0	0
	7:45 AM	3	0	3	40	1	40	0	191	1	4	321	26	630	0	0	0	1	1
	8:00 AM	4	0	4	39	0	34	0	212	1	5	303	22	624	0	0	0	0	0
	8:15 AM	4	0	5	45	0	34	0	226	2	1	296	32	645	0	0	0	0	0
	8:30 AM	4	0	1	54	0	42	0	182	3	1	288	29	604	0	0	0	0	0
	8:45 AM	1	0	4	40	1	52	0	187	0	1	285	18	589	0	0	0	0	0
	VOLUMES	25	0	37	311	4	262	0	1,399	10	14	2,163	211	4,436	0	0	0	1	1
	APPROACH %	40%	0%	60%	54%	1%	45%	0%	99%	1%	1%	91%	9%						
	APP/DEPART	62	/	211	577	/	27	1,409	/	1,748	2,388	/	2,450	0					
	BEGIN PEAK HR		7:45 AM																
	VOLUMES	15	0	13	178	1	150	0	811	7	11	1,208	109	2,503					
	APPROACH %	54%	0%	46%	54%	0%	46%	0%	99%	1%	1%	91%	8%						
	PEAK HR FACTOR		0.778			0.857			0.897			0.946		0.970					
	APP/DEPART	28	/	109	329	/	18	818	/	1,003	1,328	/	1,373	0					
PM	4:00 PM	4	0	2	44	0	13	0	364	1	4	188	11	631	0	0	0	0	0
	4:15 PM	5	0	5	36	2	14	0	383	6	6	228	8	693	0	0	0	0	0
	4:30 PM	6	0	4	45	6	19	0	409	5	6	222	11	733	0	0	0	0	0
	4:45 PM	6	0	4	46	1	16	0	399	1	4	232	8	717	0	0	0	0	0
	5:00 PM	3	0	6	59	1	16	0	419	4	7	236	19	770	0	0	0	0	0
	5:15 PM	1	0	3	57	2	13	1	386	1	6	250	11	731	0	0	1	1	2
	5:30 PM	6	0	3	51	0	14	0	458	3	4	256	15	810	0	0	0	0	0
	5:45 PM	6	0	9	67	2	12	0	390	4	6	227	6	729	0	0	0	0	0
	VOLUMES	37	0	36	405	14	117	1	3,208	25	43	1,839	89	5,814	0	0	1	1	2
	APPROACH %	51%	0%	49%	76%	3%	22%	0%	99%	1%	2%	93%	5%						
	APP/DEPART	73	/	89	536	/	81	3,234	/	3,650	1,971	/	1,994	0					
	BEGIN PEAK HR		5:00 PM																
	VOLUMES	16	0	21	234	5	55	1	1,653	12	23	969	51	3,040					
	APPROACH %	43%	0%	57%	80%	2%	19%	0%	99%	1%	2%	93%	5%						
	PEAK HR FACTOR		0.617			0.907			0.903			0.948		0.938					
	APP/DEPART	37	/	51	294	/	39	1,666	/	1,909	1,043	/	1,041	0					

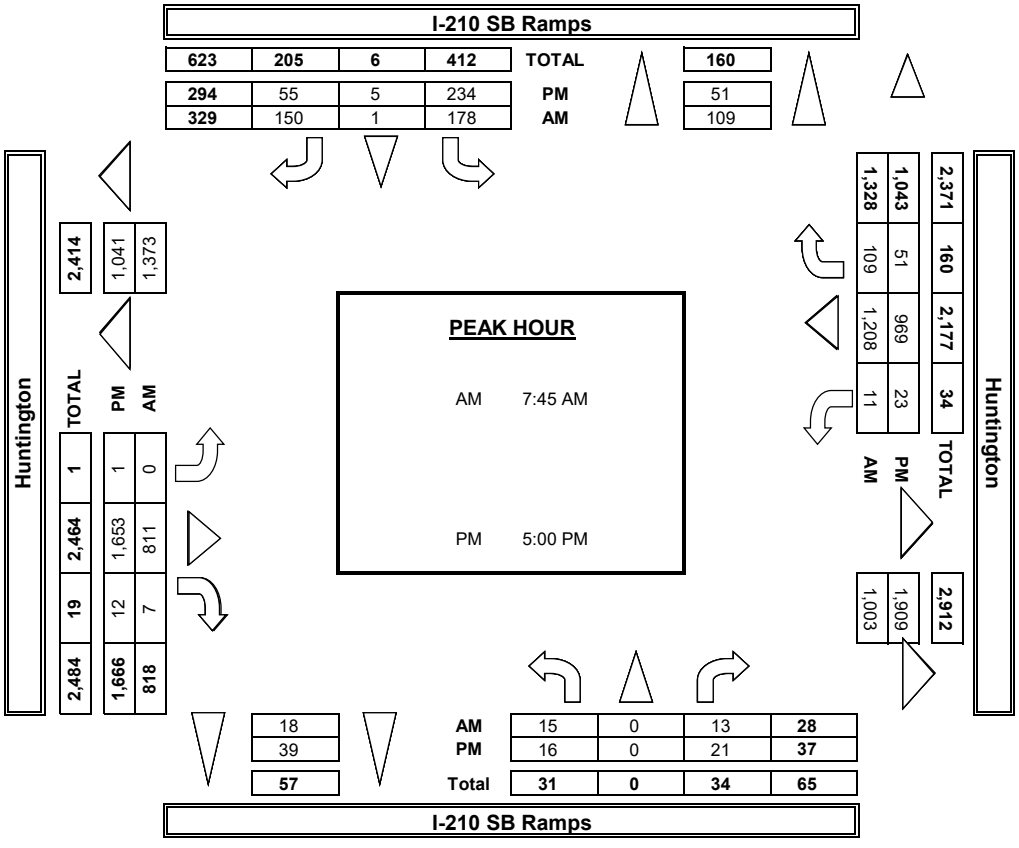


		ALL PED AND BIKE					PEDESTRIAN CROSSINGS					BICYCLE CROSSINGS				
		N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	NS	SS	ES	WS	TOTAL
AM	7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:15 AM	0	2	0	0	2	0	2	0	0	2	0	0	0	0	0
	7:30 AM	0	4	0	0	4	0	4	0	0	4	0	0	0	0	0
	7:45 AM	1	1	0	0	2	1	1	0	0	2	0	0	0	0	0
	8:00 AM	2	1	0	0	3	2	1	0	0	3	0	0	0	0	0
	8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:30 AM	2	3	0	0	5	1	3	0	0	4	1	0	0	0	1
	8:45 AM	0	1	0	0	1	0	1	0	0	1	0	0	0	0	0
	TOTAL	5	12	0	0	17	4	12	0	0	16	1	0	0	0	1
PM	4:00 PM	1	2	0	2	5	1	1	0	1	3	0	1	0	1	2
	4:15 PM	0	4	0	0	4	0	0	0	0	0	0	4	0	0	4
	4:30 PM	4	2	0	2	8	4	1	0	2	7	0	1	0	0	1
	4:45 PM	2	5	0	1	8	0	2	0	1	3	2	3	0	0	5
	5:00 PM	3	2	0	4	9	3	2	0	4	9	0	0	0	0	0
	5:15 PM	0	0	0	1	1	0	0	0	1	1	0	0	0	0	0
	5:30 PM	1	3	0	0	4	1	2	0	0	3	0	1	0	0	1
	5:45 PM	0	3	0	0	3	0	1	0	0	1	0	2	0	0	2
	TOTAL	11	21	0	10	42	9	9	0	9	27	2	12	0	1	15

AimTD LLC

TURNING MOVEMENT COUNTS





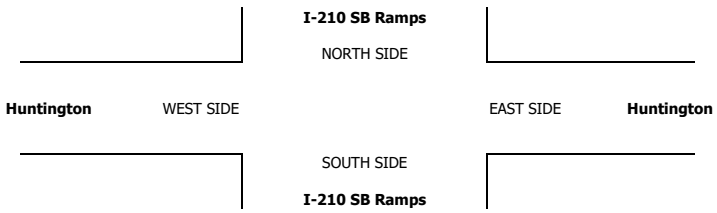
INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Arcadia	PROJECT #:	SC3386
4/20/22	NORTH & SOUTH:	I-210 SB Ramps	LOCATION #:	7
WEDNESDAY	EAST & WEST:	Huntington	CONTROL:	SIGNAL

	NOTES:											
PCE	Class	1	2	3	4	5	6			AM		▲ N
Adjusted	Factor	1	1.5	2	3	2	2			PM		
										MD	◄ W	E ►
										OTHER		S
										OTHER		▼

		NORTHBOUND I-210 SB Ramps			SOUTHBOUND I-210 SB Ramps			EASTBOUND Huntington			WESTBOUND Huntington				U-TURNS				
	LANES:	NL 1	NT X	NR 1	SL 1.5	ST 0.5	SR 1	EL X	ET 3	ER 0	WL 1	WT 2	WR 1	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	1	0	5	25	0	16	0	116	1	0	184	28	375					0
	7:15 AM	4	0	6	28	2	22	0	143	1	0	236	23	464					0
	7:30 AM	4	0	11	44	0	26	0	153	1	3	278	36	554					0
	7:45 AM	4	0	3	41	1	40	0	196	1	5	339	26	654					0
	8:00 AM	4	0	4	42	0	35	0	217	1	6	315	23	646					0
	8:15 AM	4	0	5	46	0	35	0	233	2	1	317	33	675					0
	8:30 AM	4	0	1	57	0	45	0	188	3	1	298	32	628					0
	8:45 AM	1	0	4	42	1	54	0	197	0	1	297	20	616					0
	VOLUMES	26	0	38	324	4	271	0	1,441	10	16	2,262	219	4,611	0	0	0	0	0
	APPROACH %	40%	0%	60%	54%	1%	45%	0%	99%	1%	1%	91%	9%						
	APP/DEPART	64	/	219	599	/	30	1,451	/	1,803	2,497	/	2,559	0					
	BEGIN PEAK HR		7:45 AM																
	VOLUMES	16	0	13	185	1	155	0	833	7	12	1,268	113	2,602					
	APPROACH %	54%	0%	46%	54%	0%	45%	0%	99%	1%	1%	91%	8%						
	PEAK HR FACTOR		0.792			0.843			0.894			0.944		0.964					
	APP/DEPART	29	/	113	341	/	20	840	/	1,031	1,393	/	1,438	0					
PM	4:00 PM	4	0	2	46	0	13	0	377	1	5	193	12	651					0
	4:15 PM	5	0	6	37	2	15	0	400	7	6	235	9	720					0
	4:30 PM	7	0	4	47	6	19	0	421	5	7	227	12	754					0
	4:45 PM	6	0	4	48	1	16	0	407	1	4	234	8	728					0
	5:00 PM	3	0	6	62	2	17	0	428	4	7	239	19	785					0
	5:15 PM	1	0	3	59	2	13	1	399	1	6	254	11	749					0
	5:30 PM	6	0	3	51	0	14	0	467	3	5	259	17	824					0
	5:45 PM	6	0	10	68	2	13	0	398	4	7	230	6	742					0
	VOLUMES	38	0	38	415	15	119	1	3,295	26	46	1,869	93	5,952	0	0	0	0	0
	APPROACH %	50%	0%	50%	76%	3%	22%	0%	99%	1%	2%	93%	5%						
	APP/DEPART	76	/	94	549	/	86	3,321	/	3,747	2,007	/	2,026	0					
	BEGIN PEAK HR		5:00 PM																
	VOLUMES	16	0	22	239	6	57	1	1,691	12	24	981	53	3,100					
	APPROACH %	43%	0%	57%	79%	2%	19%	0%	99%	1%	2%	93%	5%						
	PEAK HR FACTOR		0.605			0.911			0.907			0.943		0.940					
	APP/DEPART	38	/	54	301	/	42	1,704	/	1,951	1,058	/	1,053	0					



Appendix B
LOS Worksheets

The Derby Mixed-Use Project

Vistro File: P:\...\The Derby Mixed Use Project_AM.vistro
Report File: P:\...\EX AM.pdf
Scenario 1 Existing
6/15/2022

Intersection Analysis Summary

ID	Intersection Name	Control Type	Method	Worst Mvmt	V/C	Delay (s/veh)	LOS
1	2nd Avenue/Santa Clara Street	Signalized	ICU 1	WB Thru	0.404	-	A
2	Santa Anita Avenue/Huntington Drive	Signalized	ICU 1	WB Thru	0.710	-	C
3	1st Avenue/Huntington Drive	Signalized	ICU 1	WB Thru	0.565	-	A
4	2nd Avenue/Huntington Drive	Signalized	ICU 1	WB Thru	0.556	-	A
5	Gateway Drive/Huntington Drive	Signalized	ICU 1	WB Thru	0.389	-	A
6	5th Avenue/Huntington Drive	Signalized	ICU 1	WB Thru	0.617	-	B
7	I-210 SB ramps/Huntington Drive	Signalized	ICU 1	WB Thru	0.575	-	A

V/C, Delay, LOS: For two-way stop, these values are taken from the movement with the worst (highest) delay value. For all other control types, they are taken for the whole intersection.

Intersection Level Of Service Report
Intersection 1: 2nd Avenue/Santa Clara Street

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.404

Intersection Setup

Name	2nd Avenue			2nd Avenue			Santa Clara Street			Santa Clara Street		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	0	1	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	50.00	100.00	100.00	40.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	1	0	0	0	0	0	0	0	0	1
Exit Pocket Length [ft]	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	150.00
Speed [mph]	35.00			35.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	2nd Avenue			2nd Avenue			Santa Clara Street			Santa Clara Street		
Base Volume Input [veh/h]	26	305	36	37	212	28	20	61	22	38	121	98
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	26	305	36	37	212	28	20	61	22	38	121	98
Peak Hour Factor	0.8490	0.8490	0.8490	0.8490	0.8490	0.8490	0.8490	0.8490	0.8490	0.8490	0.8490	0.8490
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	8	90	11	11	62	8	6	18	6	11	36	29
Total Analysis Volume [veh/h]	31	359	42	44	250	33	24	72	26	45	143	115
Pedestrian Volume [ped/h]	14			11			6			5		
Bicycle Volume [bicycles/h]	5			4			3			3		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	6	0	0	2	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.02	0.11	0.11	0.02	0.08	0.08	0.01	0.05	0.05	0.03	0.14	0.14
Intersection LOS	A											
Intersection V/C	0.404											

Intersection Level Of Service Report
Intersection 2: Santa Anita Avenue/Huntington Drive

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.710

Intersection Setup

Name	Santa Anita Avenue			Santa Anita Avenue			Huntington Drive			Huntington Drive		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	2	0	1	2	0	1	1	0	1	1	0	1
Entry Pocket Length [ft]	150.00	100.00	100.00	150.00	100.00	100.00	145.00	100.00	100.00	100.00	100.00	30.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	1
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
Speed [mph]	35.00			35.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Santa Anita Avenue			Santa Anita Avenue			Huntington Drive			Huntington Drive		
Base Volume Input [veh/h]	432	597	137	73	557	51	47	435	128	127	951	54
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	432	597	137	73	557	51	47	435	128	127	951	54
Peak Hour Factor	0.9650	0.9650	0.9650	0.9650	0.9650	0.9650	0.9650	0.9650	0.9650	0.9650	0.9650	0.9650
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	112	155	35	19	144	13	12	113	33	33	246	14
Total Analysis Volume [veh/h]	448	619	142	76	577	53	49	451	133	132	985	56
Pedestrian Volume [ped/h]	28			15			20			12		
Bicycle Volume [bicycles/h]	3			1			7			1		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Protecte	Permiss	Overlap	Protecte	Permiss	Overlap	ProtPer	Permiss	Overlap	ProtPer	Permiss	Overlap
Signal Group	1	6	6	5	2	2	3	8	8	7	4	4
Auxiliary Signal Groups			6,7			2,3			1,8			4,5
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.14	0.17	0.08	0.02	0.16	0.03	0.03	0.13	0.00	0.07	0.27	0.01
Intersection LOS	C											
Intersection V/C	0.710											

Intersection Level Of Service Report
Intersection 3: 1st Avenue/Huntington Drive

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.565

Intersection Setup

Name	1st Avenue			1st Avenue			Huntington Drive			Huntington Drive		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	0	1	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	1
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
Speed [mph]	35.00			35.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	1st Avenue			1st Avenue			Huntington Drive			Huntington Drive		
Base Volume Input [veh/h]	101	100	47	28	61	34	50	517	45	50	994	77
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	101	100	47	28	61	34	50	517	45	50	994	77
Peak Hour Factor	0.9570	0.9570	0.9570	0.9570	0.9570	0.9570	0.9570	0.9570	0.9570	0.9570	0.9570	0.9570
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	26	26	12	7	16	9	13	135	12	13	260	20
Total Analysis Volume [veh/h]	106	104	49	29	64	36	52	540	47	52	1039	80
Pedestrian Volume [ped/h]	24			7			22			16		
Bicycle Volume [bicycles/h]	3			1			7			3		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	ProtPer	Permiss	Permiss	ProtPer	Permiss	Permiss	ProtPer	Permiss	Permiss	ProtPer	Permiss	Permiss
Signal Group	1	6	0	5	2	0	3	8	0	7	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.06	0.09	0.09	0.02	0.06	0.06	0.03	0.16	0.16	0.03	0.31	0.31
Intersection LOS	A											
Intersection V/C	0.565											

Intersection Level Of Service Report
Intersection 4: 2nd Avenue/Huntington Drive

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.556

Intersection Setup

Name	2nd Avenue			2nd Avenue			Huntington Drive			Huntington Drive		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	1	1	0	0
Entry Pocket Length [ft]	85.00	100.00	100.00	100.00	100.00	100.00	80.00	100.00	100.00	75.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	35.00			35.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	2nd Avenue			2nd Avenue			Huntington Drive			Huntington Drive		
Base Volume Input [veh/h]	111	249	162	65	212	62	43	523	57	126	979	52
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	111	249	162	65	212	62	43	523	57	126	979	52
Peak Hour Factor	0.9430	0.9430	0.9430	0.9430	0.9430	0.9430	0.9430	0.9430	0.9430	0.9430	0.9430	0.9430
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	29	66	43	17	56	16	11	139	15	33	260	14
Total Analysis Volume [veh/h]	118	264	172	69	225	66	46	555	60	134	1038	55
Pedestrian Volume [ped/h]	18			17			1			13		
Bicycle Volume [bicycles/h]	2			0			1			2		

Intersection Settings

Cycle Length [s]	240
Lost time [s]	10.00

Phasing & Timing

Control Type	ProtPer	Permiss	Overlap	ProtPer	Permiss	Permiss	ProtPer	Permiss	Permiss	ProtPer	Permiss	Permiss
Signal Group	1	6	6	5	2	0	3	8	0	7	4	0
Auxiliary Signal Groups			6,7									
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.07	0.15	0.10	0.04	0.08	0.08	0.03	0.15	0.03	0.07	0.30	0.30
Intersection LOS	A											
Intersection V/C	0.556											

Intersection Level Of Service Report
Intersection 5: Gateway Drive/Huntington Drive

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.389

Intersection Setup

Name	Gateway Drive			Gateway Drive			Huntington Drive			Huntington Drive		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	1	1	0	0	1	0	0	1	0	0
Entry Pocket Length [ft]	100.00	100.00	50.00	75.00	100.00	100.00	35.00	100.00	100.00	60.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	25.00			25.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Gateway Drive			Gateway Drive			Huntington Drive			Huntington Drive		
Base Volume Input [veh/h]	32	1	19	14	2	18	27	656	22	43	1072	19
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	32	1	19	14	2	18	27	656	22	43	1072	19
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	8	0	5	4	1	5	7	164	6	11	268	5
Total Analysis Volume [veh/h]	32	1	19	14	2	18	27	656	22	43	1072	19
Pedestrian Volume [ped/h]	31			12			1			3		
Bicycle Volume [bicycles/h]	0			2			0			0		

Intersection Settings

Cycle Length [s]	240
Lost time [s]	10.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	ProtPer	Permiss	Permiss	ProtPer	Permiss	Permiss
Signal Group	0	6	0	0	2	0	3	8	0	7	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	Lead	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.02	0.01	0.01	0.01	0.01	0.01	0.02	0.19	0.19	0.02	0.30	0.30
Intersection LOS	A											
Intersection V/C	0.389											

Intersection Level Of Service Report
Intersection 6: 5th Avenue/Huntington Drive

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	B
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.617

Intersection Setup

Name	5th Avenue			5th Avenue			Huntington Drive			Huntington Drive		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	0	1	0	1
Entry Pocket Length [ft]	75.00	100.00	100.00	140.00	100.00	100.00	55.00	100.00	100.00	155.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	25.00			35.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	5th Avenue			5th Avenue			Huntington Drive			Huntington Drive		
Base Volume Input [veh/h]	18	15	36	236	31	62	55	573	41	101	1106	210
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	18	15	36	236	31	62	55	573	41	101	1106	210
Peak Hour Factor	0.9840	0.9840	0.9840	0.9840	0.9840	0.9840	0.9840	0.9840	0.9840	0.9840	0.9840	0.9840
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	5	4	9	60	8	16	14	146	10	26	281	53
Total Analysis Volume [veh/h]	18	15	37	240	32	63	56	582	42	103	1124	213
Pedestrian Volume [ped/h]	15			7			4			25		
Bicycle Volume [bicycles/h]	0			1			3			1		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	6	0	0	2	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.01	0.03	0.03	0.13	0.05	0.05	0.03	0.17	0.17	0.06	0.31	0.12
Intersection LOS	B											
Intersection V/C	0.617											

Intersection Level Of Service Report
Intersection 7: I-210 SB ramps/Huntington Drive

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.575

Intersection Setup

Name	I-210 SB ramps			I-210 SB ramps			Huntington Drive			Huntington Drive		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	1	1	0	1	0	0	0	1	0	1
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	2
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
Speed [mph]	25.00			30.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			No		

Volumes

Name	I-210 SB ramps			I-210 SB ramps			Huntington Drive			Huntington Drive		
Base Volume Input [veh/h]	16	0	13	185	1	155	0	833	7	12	1268	0
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	2.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	16	0	13	185	1	155	0	833	7	12	1268	0
Peak Hour Factor	0.9640	1.0000	0.9640	0.9640	0.9640	0.9640	1.0000	0.9640	0.9640	0.9640	0.9640	0.9640
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	4	0	3	48	0	40	0	216	2	3	329	0
Total Analysis Volume [veh/h]	17	0	13	192	1	161	0	864	7	12	1315	0
Pedestrian Volume [ped/h]	12			4			0			0		
Bicycle Volume [bicycles/h]	0			1			0			0		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Split	Permiss	Split	Split	Split	Split	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	1	0	0	0	2	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	-	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.01	0.00	0.01	0.05	0.05	0.09	0.00	0.16	0.16	0.01	0.37	0.00
Intersection LOS	A											
Intersection V/C	0.575											

The Derby Mixed-Use Project

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Scenario 1 Existing
6/15/2022

Intersection Analysis Summary

ID	Intersection Name	Control Type	Method	Worst Mvmt	V/C	Delay (s/veh)	LOS
1	2nd Avenue/Santa Clara Street	Signalized	ICU 1	EB Right	0.433	-	A
2	Santa Anita Avenue/Huntington Drive	Signalized	ICU 1	EB Thru	0.682	-	B
3	1st Avenue/Huntington Drive	Signalized	ICU 1	EB Thru	0.656	-	B
4	2nd Avenue/Huntington Drive	Signalized	ICU 1	EB Thru	0.673	-	B
5	Gateway Drive/Huntington Drive	Signalized	ICU 1	EB Right	0.565	-	A
6	5th Avenue/Huntington Drive	Signalized	ICU 1	EB Thru	0.747	-	C
7	I-210 SB ramps/Huntington Drive	Signalized	ICU 1	EB Thru	0.546	-	A

V/C, Delay, LOS: For two-way stop, these values are taken from the movement with the worst (highest) delay value. For all other control types, they are taken for the whole intersection.

Intersection Level Of Service Report
Intersection 1: 2nd Avenue/Santa Clara Street

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.433

Intersection Setup

Name	2nd Avenue			2nd Avenue			Santa Clara Street			Santa Clara Street		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	0	1	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	50.00	100.00	100.00	40.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	1	0	0	0	0	0	0	0	0	1
Exit Pocket Length [ft]	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	150.00
Speed [mph]	35.00			35.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	2nd Avenue			2nd Avenue			Santa Clara Street			Santa Clara Street		
Base Volume Input [veh/h]	20	204	62	102	290	23	22	201	37	40	97	40
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	20	204	62	102	290	23	22	201	37	40	97	40
Peak Hour Factor	0.8860	0.8860	0.8860	0.8860	0.8860	0.8860	0.8860	0.8860	0.8860	0.8860	0.8860	0.8860
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	6	58	17	29	82	6	6	57	10	11	27	11
Total Analysis Volume [veh/h]	23	230	70	115	327	26	25	227	42	45	109	45
Pedestrian Volume [ped/h]	14			11			6			5		
Bicycle Volume [bicycles/h]	5			4			3			3		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	6	0	0	2	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.01	0.08	0.08	0.06	0.10	0.10	0.01	0.15	0.15	0.03	0.09	0.09
Intersection LOS	A											
Intersection V/C	0.433											

Intersection Level Of Service Report
Intersection 2: Santa Anita Avenue/Huntington Drive

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	B
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.682

Intersection Setup

Name	Santa Anita Avenue			Santa Anita Avenue			Huntington Drive			Huntington Drive		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	2	0	1	2	0	1	1	0	1	1	0	1
Entry Pocket Length [ft]	150.00	100.00	100.00	150.00	100.00	100.00	145.00	100.00	100.00	100.00	100.00	30.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	1
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
Speed [mph]	35.00			35.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Santa Anita Avenue			Santa Anita Avenue			Huntington Drive			Huntington Drive		
Base Volume Input [veh/h]	166	548	150	106	533	64	38	1037	471	115	567	84
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	166	548	150	106	533	64	38	1037	471	115	567	84
Peak Hour Factor	0.9650	0.9650	0.9650	0.9650	0.9650	0.9650	0.9650	0.9650	0.9650	0.9650	0.9650	0.9650
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	43	142	39	27	138	17	10	269	122	30	147	22
Total Analysis Volume [veh/h]	172	568	155	110	552	66	39	1075	488	119	588	87
Pedestrian Volume [ped/h]	28			15			20			12		
Bicycle Volume [bicycles/h]	3			1			7			1		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Protecte	Permiss	Overlap	Protecte	Permiss	Overlap	ProtPer	Permiss	Overlap	ProtPer	Permiss	Overlap
Signal Group	1	6	6	5	2	2	3	8	8	7	4	4
Auxiliary Signal Groups			6,7			2,3			1,8			4,5
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.05	0.16	0.09	0.03	0.15	0.04	0.02	0.30	0.22	0.07	0.16	0.01
Intersection LOS	B											
Intersection V/C	0.682											

Intersection Level Of Service Report
Intersection 3: 1st Avenue/Huntington Drive

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	B
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.656

Intersection Setup

Name	1st Avenue			1st Avenue			Huntington Drive			Huntington Drive		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	0	1	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	1
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
Speed [mph]	35.00			35.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	1st Avenue			1st Avenue			Huntington Drive			Huntington Drive		
Base Volume Input [veh/h]	40	75	81	131	113	59	49	1166	51	75	690	58
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	40	75	81	131	113	59	49	1166	51	75	690	58
Peak Hour Factor	0.9890	0.9890	0.9890	0.9890	0.9890	0.9890	0.9890	0.9890	0.9890	0.9890	0.9890	0.9890
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	10	19	20	33	29	15	12	295	13	19	174	15
Total Analysis Volume [veh/h]	40	76	82	132	114	60	50	1179	52	76	698	59
Pedestrian Volume [ped/h]	24			7			22			16		
Bicycle Volume [bicycles/h]	3			1			7			3		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	ProtPer	Permiss	Permiss	ProtPer	Permiss	Permiss	ProtPer	Permiss	Permiss	ProtPer	Permiss	Permiss
Signal Group	1	6	0	5	2	0	3	8	0	7	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.02	0.09	0.09	0.07	0.10	0.10	0.03	0.34	0.34	0.04	0.21	0.21
Intersection LOS	B											
Intersection V/C	0.656											

Intersection Level Of Service Report
Intersection 4: 2nd Avenue/Huntington Drive

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	B
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.673

Intersection Setup

Name	2nd Avenue			2nd Avenue			Huntington Drive			Huntington Drive		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	1	1	0	0
Entry Pocket Length [ft]	85.00	100.00	100.00	100.00	100.00	100.00	80.00	100.00	100.00	75.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	35.00			35.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	2nd Avenue			2nd Avenue			Huntington Drive			Huntington Drive		
Base Volume Input [veh/h]	43	195	195	99	248	45	59	1236	77	174	743	68
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	43	195	195	99	248	45	59	1236	77	174	743	68
Peak Hour Factor	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	11	51	51	26	65	12	15	324	20	46	195	18
Total Analysis Volume [veh/h]	45	204	204	104	260	47	62	1294	81	182	778	71
Pedestrian Volume [ped/h]	18			17			1			13		
Bicycle Volume [bicycles/h]	2			0			1			2		

Intersection Settings

Cycle Length [s]	240
Lost time [s]	10.00

Phasing & Timing

Control Type	ProtPer	Permiss	Overlap	ProtPer	Permiss	Permiss	ProtPer	Permiss	Permiss	ProtPer	Permiss	Permiss
Signal Group	1	6	6	5	2	0	3	8	0	7	4	0
Auxiliary Signal Groups			6,7									
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.03	0.11	0.11	0.06	0.09	0.09	0.03	0.36	0.05	0.10	0.24	0.24
Intersection LOS	B											
Intersection V/C	0.673											

Intersection Level Of Service Report
Intersection 5: Gateway Drive/Huntington Drive

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.565

Intersection Setup

Name	Gateway Drive			Gateway Drive			Huntington Drive			Huntington Drive		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	1	1	0	0	1	0	0	1	0	0
Entry Pocket Length [ft]	100.00	100.00	50.00	75.00	100.00	100.00	35.00	100.00	100.00	60.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	25.00			25.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Gateway Drive			Gateway Drive			Huntington Drive			Huntington Drive		
Base Volume Input [veh/h]	72	2	31	40	3	58	44	1390	46	49	871	14
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	72	2	31	40	3	58	44	1390	46	49	871	14
Peak Hour Factor	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	19	1	8	10	1	15	12	364	12	13	228	4
Total Analysis Volume [veh/h]	75	2	32	42	3	61	46	1455	48	51	912	15
Pedestrian Volume [ped/h]	31			12			1			3		
Bicycle Volume [bicycles/h]	0			2			0			0		

Intersection Settings

Cycle Length [s]	240
Lost time [s]	10.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	ProtPer	Permiss	Permiss	ProtPer	Permiss	Permiss
Signal Group	0	6	0	0	2	0	3	8	0	7	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	Lead	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.04	0.02	0.02	0.02	0.04	0.04	0.03	0.42	0.42	0.03	0.26	0.26
Intersection LOS	A											
Intersection V/C	0.565											

Intersection Level Of Service Report
Intersection 6: 5th Avenue/Huntington Drive

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.747

Intersection Setup

Name	5th Avenue			5th Avenue			Huntington Drive			Huntington Drive		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	0	1	0	1
Entry Pocket Length [ft]	75.00	100.00	100.00	140.00	100.00	100.00	55.00	100.00	100.00	155.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	25.00			35.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	5th Avenue			5th Avenue			Huntington Drive			Huntington Drive		
Base Volume Input [veh/h]	44	22	127	200	17	99	65	1397	16	31	829	156
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	44	22	127	200	17	99	65	1397	16	31	829	156
Peak Hour Factor	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	12	6	33	53	4	26	17	368	4	8	218	41
Total Analysis Volume [veh/h]	46	23	134	211	18	104	68	1471	17	33	873	164
Pedestrian Volume [ped/h]	15			7			4			25		
Bicycle Volume [bicycles/h]	0			1			3			1		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	6	0	0	2	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.03	0.09	0.09	0.12	0.07	0.07	0.04	0.41	0.41	0.02	0.24	0.09
Intersection LOS	C											
Intersection V/C	0.747											

Intersection Level Of Service Report
Intersection 7: I-210 SB ramps/Huntington Drive

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.546

Intersection Setup

Name	I-210 SB ramps			I-210 SB ramps			Huntington Drive			Huntington Drive		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	1	1	0	1	0	0	0	1	0	1
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	2
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
Speed [mph]	25.00			30.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			No		

Volumes

Name	I-210 SB ramps			I-210 SB ramps			Huntington Drive			Huntington Drive		
Base Volume Input [veh/h]	16	0	22	239	6	57	0	1691	12	24	981	53
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	2.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	16	0	22	239	6	57	0	1691	12	24	981	53
Peak Hour Factor	0.9400	1.0000	0.9400	0.9400	0.9400	0.9400	1.0000	0.9400	0.9400	0.9400	0.9400	0.9400
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	4	0	6	64	2	15	0	450	3	6	261	14
Total Analysis Volume [veh/h]	17	0	23	254	6	61	0	1799	13	26	1044	56
Pedestrian Volume [ped/h]	12			4			0			0		
Bicycle Volume [bicycles/h]	0			1			0			0		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Split	Permiss	Split	Split	Split	Split	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	1	0	0	0	2	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	-	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.01	0.00	0.01	0.07	0.07	0.03	0.00	0.34	0.34	0.01	0.29	0.03
Intersection LOS	A											
Intersection V/C	0.546											

The Derby Mixed-Use Project

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Report File: P:\...\OY AM_3.pdf

Scenario 7 Opening Year (2025)
7/17/2023

Intersection Analysis Summary

ID	Intersection Name	Control Type	Method	Worst Mvmt	V/C	Delay (s/veh)	LOS
1	2nd Avenue/Santa Clara Street	Signalized	ICU 1	WB Thru	0.420	-	A
2	Santa Anita Avenue/Huntington Drive	Signalized	ICU 1	WB Thru	0.774	-	C
3	1st Avenue/Huntington Drive	Signalized	ICU 1	WB Right	0.626	-	B
4	2nd Avenue/Huntington Drive	Signalized	ICU 1	WB Thru	0.604	-	B
5	Gateway Drive/Huntington Drive	Signalized	ICU 1	WB Thru	0.421	-	A
6	5th Avenue/Huntington Drive	Signalized	ICU 1	WB Thru	0.671	-	B
7	I-210 SB ramps/Huntington Drive	Signalized	ICU 1	WB Thru	0.629	-	B

V/C, Delay, LOS: For two-way stop, these values are taken from the movement with the worst (highest) delay value. For all other control types, they are taken for the whole intersection.

Intersection Level Of Service Report
Intersection 1: 2nd Avenue/Santa Clara Street

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.420

Intersection Setup

Name	2nd Avenue			2nd Avenue			Santa Clara Street			Santa Clara Street		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	0	1	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	50.00	100.00	100.00	40.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	1	0	0	0	0	0	0	0	0	1
Exit Pocket Length [ft]	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	150.00
Speed [mph]	35.00			35.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	2nd Avenue			2nd Avenue			Santa Clara Street			Santa Clara Street		
Base Volume Input [veh/h]	34	327	37	38	229	30	21	79	28	59	129	101
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	34	327	37	38	229	30	21	79	28	59	129	101
Peak Hour Factor	0.8490	0.8490	0.8490	0.8490	0.8490	0.8490	0.8490	0.8490	0.8490	0.8490	0.8490	0.8490
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	10	96	11	11	67	9	6	23	8	17	38	30
Total Analysis Volume [veh/h]	40	385	44	45	270	35	25	93	33	69	152	119
Pedestrian Volume [ped/h]	14			11			6			5		
Bicycle Volume [bicycles/h]	5			4			3			3		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	6	0	0	2	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.02	0.12	0.12	0.03	0.08	0.08	0.01	0.07	0.07	0.04	0.15	0.15
Intersection LOS	A											
Intersection V/C	0.420											

Intersection Level Of Service Report
Intersection 2: Santa Anita Avenue/Huntington Drive

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.774

Intersection Setup

Name	Santa Anita Avenue			Santa Anita Avenue			Huntington Drive			Huntington Drive		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	2	0	1	2	0	1	1	0	1	1	0	1
Entry Pocket Length [ft]	150.00	100.00	100.00	150.00	100.00	100.00	145.00	100.00	100.00	100.00	100.00	30.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	1
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
Speed [mph]	35.00			35.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Santa Anita Avenue			Santa Anita Avenue			Huntington Drive			Huntington Drive		
Base Volume Input [veh/h]	449	623	147	101	590	73	77	547	136	136	1060	82
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	449	623	147	101	590	73	77	547	136	136	1060	82
Peak Hour Factor	0.9650	0.9650	0.9650	0.9650	0.9650	0.9650	0.9650	0.9650	0.9650	0.9650	0.9650	0.9650
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	116	161	38	26	153	19	20	142	35	35	275	21
Total Analysis Volume [veh/h]	465	646	152	105	611	76	80	567	141	141	1098	85
Pedestrian Volume [ped/h]	28			15			20			12		
Bicycle Volume [bicycles/h]	3			1			7			1		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Protecte	Permiss	Overlap	Protecte	Permiss	Overlap	ProtPer	Permiss	Overlap	ProtPer	Permiss	Overlap
Signal Group	1	6	6	5	2	2	3	8	8	7	4	4
Auxiliary Signal Groups			6,7			2,3			1,8			4,5
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.14	0.18	0.08	0.03	0.17	0.04	0.04	0.16	0.00	0.08	0.31	0.01
Intersection LOS	C											
Intersection V/C	0.774											

Intersection Level Of Service Report
Intersection 3: 1st Avenue/Huntington Drive

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	B
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.626

Intersection Setup

Name	1st Avenue			1st Avenue			Huntington Drive			Huntington Drive		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	0	1	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	1
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
Speed [mph]	35.00			35.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	1st Avenue			1st Avenue			Huntington Drive			Huntington Drive		
Base Volume Input [veh/h]	113	107	49	51	67	44	52	650	60	54	1120	103
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	113	107	49	51	67	44	52	650	60	54	1120	103
Peak Hour Factor	0.9570	0.9570	0.9570	0.9570	0.9570	0.9570	0.9570	0.9570	0.9570	0.9570	0.9570	0.9570
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	30	28	13	13	18	11	14	170	16	14	293	27
Total Analysis Volume [veh/h]	118	112	51	53	70	46	54	679	63	56	1170	108
Pedestrian Volume [ped/h]	24			7			22			16		
Bicycle Volume [bicycles/h]	3			1			7			3		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	ProtPer	Permiss	Permiss	ProtPer	Permiss	Permiss	ProtPer	Permiss	Permiss	ProtPer	Permiss	Permiss
Signal Group	1	6	0	5	2	0	3	8	0	7	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.07	0.09	0.09	0.03	0.06	0.06	0.03	0.21	0.21	0.03	0.36	0.36
Intersection LOS	B											
Intersection V/C	0.626											

Intersection Level Of Service Report
Intersection 4: 2nd Avenue/Huntington Drive

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	B
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.604

Intersection Setup

Name	2nd Avenue			2nd Avenue			Huntington Drive			Huntington Drive		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	1	1	0	0
Entry Pocket Length [ft]	85.00	100.00	100.00	100.00	100.00	100.00	80.00	100.00	100.00	75.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	35.00			35.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	2nd Avenue			2nd Avenue			Huntington Drive			Huntington Drive		
Base Volume Input [veh/h]	124	257	166	72	218	93	57	664	75	129	1078	59
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	124	257	166	72	218	93	57	664	75	129	1078	59
Peak Hour Factor	0.9430	0.9430	0.9430	0.9430	0.9430	0.9430	0.9430	0.9430	0.9430	0.9430	0.9430	0.9430
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	33	68	44	19	58	25	15	176	20	34	286	16
Total Analysis Volume [veh/h]	131	273	176	76	231	99	60	704	80	137	1143	63
Pedestrian Volume [ped/h]	18			17			1			13		
Bicycle Volume [bicycles/h]	2			0			1			2		

Intersection Settings

Cycle Length [s]	240
Lost time [s]	10.00

Phasing & Timing

Control Type	ProtPer	Permiss	Overlap	ProtPer	Permiss	Permiss	ProtPer	Permiss	Permiss	ProtPer	Permiss	Permiss
Signal Group	1	6	6	5	2	0	3	8	0	7	4	0
Auxiliary Signal Groups			6,7									
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.07	0.15	0.10	0.04	0.09	0.09	0.03	0.20	0.04	0.08	0.34	0.34
Intersection LOS	B											
Intersection V/C	0.604											

Intersection Level Of Service Report
Intersection 5: Gateway Drive/Huntington Drive

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.421

Intersection Setup

Name	Gateway Drive			Gateway Drive			Huntington Drive			Huntington Drive		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	1	1	0	0	1	0	0	1	0	0
Entry Pocket Length [ft]	100.00	100.00	50.00	75.00	100.00	100.00	35.00	100.00	100.00	60.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	25.00			25.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Gateway Drive			Gateway Drive			Huntington Drive			Huntington Drive		
Base Volume Input [veh/h]	33	1	20	14	2	19	28	807	23	44	1180	20
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	33	1	20	14	2	19	28	807	23	44	1180	20
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	8	0	5	4	1	5	7	202	6	11	295	5
Total Analysis Volume [veh/h]	33	1	20	14	2	19	28	807	23	44	1180	20
Pedestrian Volume [ped/h]	31			12			1			3		
Bicycle Volume [bicycles/h]	0			2			0			0		

Intersection Settings

Cycle Length [s]	240
Lost time [s]	10.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	ProtPer	Permiss	Permiss	ProtPer	Permiss	Permiss
Signal Group	0	6	0	0	2	0	3	8	0	7	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	Lead	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.02	0.01	0.01	0.01	0.01	0.01	0.02	0.23	0.23	0.02	0.33	0.33
Intersection LOS	A											
Intersection V/C	0.421											

Intersection Level Of Service Report
Intersection 6: 5th Avenue/Huntington Drive

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	B
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.671

Intersection Setup

Name	5th Avenue			5th Avenue			Huntington Drive			Huntington Drive		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	0	1	0	1
Entry Pocket Length [ft]	75.00	100.00	100.00	140.00	100.00	100.00	55.00	100.00	100.00	155.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	25.00			30.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	5th Avenue			5th Avenue			Huntington Drive			Huntington Drive		
Base Volume Input [veh/h]	18	15	37	252	31	63	81	697	42	104	1215	224
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	18	15	37	252	31	63	81	697	42	104	1215	224
Peak Hour Factor	0.9840	0.9840	0.9840	0.9840	0.9840	0.9840	0.9840	0.9840	0.9840	0.9840	0.9840	0.9840
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	5	4	9	64	8	16	21	177	11	26	309	57
Total Analysis Volume [veh/h]	18	15	38	256	32	64	82	708	43	106	1235	228
Pedestrian Volume [ped/h]	15			7			4			25		
Bicycle Volume [bicycles/h]	0			1			3			1		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	6	0	0	2	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.01	0.03	0.03	0.14	0.05	0.05	0.05	0.21	0.21	0.06	0.34	0.13
Intersection LOS	B											
Intersection V/C	0.671											

Intersection Level Of Service Report
Intersection 7: I-210 SB ramps/Huntington Drive

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	B
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.629

Intersection Setup

Name	I-210 SB ramps			I-210 SB ramps			Huntington Drive			Huntington Drive		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	1	1	0	1	0	0	0	1	0	1
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	2
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
Speed [mph]	25.00			30.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			No		

Volumes

Name	I-210 SB ramps			I-210 SB ramps			Huntington Drive			Huntington Drive		
Base Volume Input [veh/h]	53	0	60	201	15	167	0	932	49	47	1345	117
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	2.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	53	0	60	201	15	167	0	932	49	47	1345	117
Peak Hour Factor	0.9640	1.0000	0.9640	0.9640	0.9640	0.9640	1.0000	0.9640	0.9640	0.9640	0.9640	0.9640
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	14	0	16	52	4	43	0	242	13	12	349	30
Total Analysis Volume [veh/h]	55	0	62	209	16	173	0	967	51	49	1395	121
Pedestrian Volume [ped/h]	12			4			0			0		
Bicycle Volume [bicycles/h]	0			1			0			0		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Split	Permiss	Split	Split	Split	Split	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	1	0	0	0	2	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	-	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.03	0.00	0.03	0.06	0.06	0.10	0.00	0.19	0.19	0.03	0.39	0.07
Intersection LOS	B											
Intersection V/C	0.629											

The Derby Mixed-Use Project

Vistro File: P:\...\The Derby Mixed Use Project_PM_2.vistro
Report File: P:\...\OY PM_3.pdf

Scenario 3 Opening Year (2025)
7/17/2023

Intersection Analysis Summary

ID	Intersection Name	Control Type	Method	Worst Mvmt	V/C	Delay (s/veh)	LOS
1	2nd Avenue/Santa Clara Street	Signalized	ICU 1	EB Thru	0.476	-	A
2	Santa Anita Avenue/Huntington Drive	Signalized	ICU 1	EB Thru	0.721	-	C
3	1st Avenue/Huntington Drive	Signalized	ICU 1	EB Thru	0.718	-	C
4	2nd Avenue/Huntington Drive	Signalized	ICU 1	EB Thru	0.719	-	C
5	Gateway Drive/Huntington Drive	Signalized	ICU 1	EB Right	0.606	-	B
6	5th Avenue/Huntington Drive	Signalized	ICU 1	EB Thru	0.791	-	C
7	I-210 SB ramps/Huntington Drive	Signalized	ICU 1	EB Right	0.615	-	B

V/C, Delay, LOS: For two-way stop, these values are taken from the movement with the worst (highest) delay value. For all other control types, they are taken for the whole intersection.

Intersection Level Of Service Report
Intersection 1: 2nd Avenue/Santa Clara Street

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.476

Intersection Setup

Name	2nd Avenue			2nd Avenue			Santa Clara Street			Santa Clara Street		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	0	1	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	50.00	100.00	100.00	40.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	1	0	0	0	0	0	0	0	0	1
Exit Pocket Length [ft]	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	150.00
Speed [mph]	35.00			35.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	2nd Avenue			2nd Avenue			Santa Clara Street			Santa Clara Street		
Base Volume Input [veh/h]	40	216	64	105	316	27	23	221	41	75	117	41
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	40	216	64	105	316	27	23	221	41	75	117	41
Peak Hour Factor	0.8860	0.8860	0.8860	0.8860	0.8860	0.8860	0.8860	0.8860	0.8860	0.8860	0.8860	0.8860
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	11	61	18	30	89	8	6	62	12	21	33	12
Total Analysis Volume [veh/h]	45	244	72	119	357	30	26	249	46	85	132	46
Pedestrian Volume [ped/h]	14			11			6			5		
Bicycle Volume [bicycles/h]	5			4			3			3		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	6	0	0	2	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.03	0.09	0.09	0.07	0.11	0.11	0.01	0.16	0.16	0.05	0.10	0.10
Intersection LOS	A											
Intersection V/C	0.476											

Intersection Level Of Service Report
Intersection 2: Santa Anita Avenue/Huntington Drive

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.721

Intersection Setup

Name	Santa Anita Avenue			Santa Anita Avenue			Huntington Drive			Huntington Drive		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	2	0	1	2	0	1	1	0	1	1	0	1
Entry Pocket Length [ft]	150.00	100.00	100.00	150.00	100.00	100.00	145.00	100.00	100.00	100.00	100.00	30.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	1
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
Speed [mph]	35.00			35.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Santa Anita Avenue			Santa Anita Avenue			Huntington Drive			Huntington Drive		
Base Volume Input [veh/h]	176	589	159	141	562	86	66	1117	487	123	686	150
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	176	589	159	141	562	86	66	1117	487	123	686	150
Peak Hour Factor	0.9650	0.9650	0.9650	0.9650	0.9650	0.9650	0.9650	0.9650	0.9650	0.9650	0.9650	0.9650
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	46	153	41	37	146	22	17	289	126	32	178	39
Total Analysis Volume [veh/h]	182	610	165	146	582	89	68	1158	505	127	711	155
Pedestrian Volume [ped/h]	28			15			20			12		
Bicycle Volume [bicycles/h]	3			1			7			1		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Protecte	Permiss	Overlap	Protecte	Permiss	Overlap	ProtPer	Permiss	Overlap	ProtPer	Permiss	Overlap
Signal Group	1	6	6	5	2	2	3	8	8	7	4	4
Auxiliary Signal Groups			6,7			2,3			1,8			4,5
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.06	0.17	0.09	0.05	0.16	0.05	0.04	0.32	0.22	0.07	0.20	0.04
Intersection LOS	C											
Intersection V/C	0.721											

Intersection Level Of Service Report
Intersection 3: 1st Avenue/Huntington Drive

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.718

Intersection Setup

Name	1st Avenue			1st Avenue			Huntington Drive			Huntington Drive		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	0	1	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	1
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
Speed [mph]	35.00			35.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	1st Avenue			1st Avenue			Huntington Drive			Huntington Drive		
Base Volume Input [veh/h]	56	85	85	162	119	75	50	1279	61	78	852	87
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	56	85	85	162	119	75	50	1279	61	78	852	87
Peak Hour Factor	0.9890	0.9890	0.9890	0.9890	0.9890	0.9890	0.9890	0.9890	0.9890	0.9890	0.9890	0.9890
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	14	21	21	41	30	19	13	323	15	20	215	22
Total Analysis Volume [veh/h]	57	86	86	164	120	76	51	1293	62	79	861	88
Pedestrian Volume [ped/h]	24			7			22			16		
Bicycle Volume [bicycles/h]	3			1			7			3		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	ProtPer	Permiss	Permiss	ProtPer	Permiss	Permiss	ProtPer	Permiss	Permiss	ProtPer	Permiss	Permiss
Signal Group	1	6	0	5	2	0	3	8	0	7	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.03	0.10	0.10	0.09	0.11	0.11	0.03	0.38	0.38	0.04	0.26	0.26
Intersection LOS	C											
Intersection V/C	0.718											

Intersection Level Of Service Report
Intersection 4: 2nd Avenue/Huntington Drive

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.719

Intersection Setup

Name	2nd Avenue			2nd Avenue			Huntington Drive			Huntington Drive		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	1	1	0	0
Entry Pocket Length [ft]	85.00	100.00	100.00	100.00	100.00	100.00	80.00	100.00	100.00	75.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	35.00			35.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	2nd Avenue			2nd Avenue			Huntington Drive			Huntington Drive		
Base Volume Input [veh/h]	61	203	201	104	255	97	65	1358	88	179	874	87
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	61	203	201	104	255	97	65	1358	88	179	874	87
Peak Hour Factor	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	16	53	53	27	67	25	17	355	23	47	229	23
Total Analysis Volume [veh/h]	64	213	210	109	267	102	68	1422	92	187	915	91
Pedestrian Volume [ped/h]	18			17			1			13		
Bicycle Volume [bicycles/h]	2			0			1			2		

Intersection Settings

Cycle Length [s]	240
Lost time [s]	10.00

Phasing & Timing

Control Type	ProtPer	Permiss	Overlap	ProtPer	Permiss	Permiss	ProtPer	Permiss	Permiss	ProtPer	Permiss	Permiss
Signal Group	1	6	6	5	2	0	3	8	0	7	4	0
Auxiliary Signal Groups			6,7									
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.04	0.12	0.12	0.06	0.10	0.10	0.04	0.40	0.05	0.10	0.28	0.28
Intersection LOS	C											
Intersection V/C	0.719											

Intersection Level Of Service Report
Intersection 5: Gateway Drive/Huntington Drive

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	B
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.606

Intersection Setup

Name	Gateway Drive			Gateway Drive			Huntington Drive			Huntington Drive		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	1	1	0	0	1	0	0	1	0	0
Entry Pocket Length [ft]	100.00	100.00	50.00	75.00	100.00	100.00	35.00	100.00	100.00	60.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	25.00			25.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Gateway Drive			Gateway Drive			Huntington Drive			Huntington Drive		
Base Volume Input [veh/h]	74	2	32	41	3	60	45	1520	47	50	1023	14
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	74	2	32	41	3	60	45	1520	47	50	1023	14
Peak Hour Factor	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	19	1	8	11	1	16	12	398	12	13	268	4
Total Analysis Volume [veh/h]	77	2	34	43	3	63	47	1592	49	52	1071	15
Pedestrian Volume [ped/h]	31			12			1			3		
Bicycle Volume [bicycles/h]	0			2			0			0		

Intersection Settings

Cycle Length [s]	240
Lost time [s]	10.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	ProtPer	Permiss	Permiss	ProtPer	Permiss	Permiss
Signal Group	0	6	0	0	2	0	3	8	0	7	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	Lead	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.04	0.02	0.02	0.02	0.04	0.04	0.03	0.46	0.46	0.03	0.30	0.30
Intersection LOS	B											
Intersection V/C	0.606											

Intersection Level Of Service Report
Intersection 6: 5th Avenue/Huntington Drive

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.791

Intersection Setup

Name	5th Avenue			5th Avenue			Huntington Drive			Huntington Drive		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	0	1	0	1
Entry Pocket Length [ft]	75.00	100.00	100.00	140.00	100.00	100.00	55.00	100.00	100.00	155.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	25.00			30.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	5th Avenue			5th Avenue			Huntington Drive			Huntington Drive		
Base Volume Input [veh/h]	45	23	131	212	18	102	79	1514	16	31	980	168
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	45	23	131	212	18	102	79	1514	16	31	980	168
Peak Hour Factor	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	12	6	34	56	5	27	21	398	4	8	258	44
Total Analysis Volume [veh/h]	47	24	138	223	19	107	83	1594	17	33	1032	177
Pedestrian Volume [ped/h]	15			7			4			25		
Bicycle Volume [bicycles/h]	0			1			3			1		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	6	0	0	2	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.03	0.09	0.09	0.12	0.07	0.07	0.05	0.45	0.45	0.02	0.29	0.10
Intersection LOS	C											
Intersection V/C	0.791											

Intersection Level Of Service Report
Intersection 7: I-210 SB ramps/Huntington Drive

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	B
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.615

Intersection Setup

Name	I-210 SB ramps			I-210 SB ramps			Huntington Drive			Huntington Drive		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	1	1	0	1	0	0	0	1	0	1
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	2
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
Speed [mph]	25.00			30.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			No		

Volumes

Name	I-210 SB ramps			I-210 SB ramps			Huntington Drive			Huntington Drive		
Base Volume Input [veh/h]	51	0	62	257	14	73	0	1797	38	44	1094	56
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	2.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	51	0	62	257	14	73	0	1797	38	44	1094	56
Peak Hour Factor	0.9400	1.0000	0.9400	0.9400	0.9400	0.9400	1.0000	0.9400	0.9400	0.9400	0.9400	0.9400
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	14	0	16	68	4	19	0	478	10	12	291	15
Total Analysis Volume [veh/h]	54	0	66	273	15	78	0	1912	40	47	1164	60
Pedestrian Volume [ped/h]	12			4			0			0		
Bicycle Volume [bicycles/h]	0			1			0			0		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Split	Permiss	Split	Split	Split	Split	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	1	0	0	0	2	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	-	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.03	0.00	0.04	0.08	0.08	0.04	0.00	0.36	0.36	0.03	0.32	0.03
Intersection LOS	B											
Intersection V/C	0.615											

The Derby Mixed-Use Project

Vistro File: P:\...\The Derby Mixed Use Project_AM_2.vistro
Report File: P:\...\OY+P AM_3.pdf

Scenario 4 Opening Year (2025) plus Project
7/17/2023

Intersection Analysis Summary

ID	Intersection Name	Control Type	Method	Worst Mvmt	V/C	Delay (s/veh)	LOS
1	2nd Avenue/Santa Clara Street	Signalized	ICU 1	WB Thru	0.423	-	A
2	Santa Anita Avenue/Huntington Drive	Signalized	ICU 1	WB Thru	0.775	-	C
3	1st Avenue/Huntington Drive	Signalized	ICU 1	WB Right	0.636	-	B
4	2nd Avenue/Huntington Drive	Signalized	ICU 1	WB Thru	0.636	-	B
5	Gateway Drive/Huntington Drive	Signalized	ICU 1	WB Thru	0.455	-	A
6	5th Avenue/Huntington Drive	Signalized	ICU 1	WB Thru	0.690	-	B
7	I-210 SB ramps/Huntington Drive	Signalized	ICU 1	WB Thru	0.636	-	B

V/C, Delay, LOS: For two-way stop, these values are taken from the movement with the worst (highest) delay value. For all other control types, they are taken for the whole intersection.

Intersection Level Of Service Report
Intersection 1: 2nd Avenue/Santa Clara Street

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.423

Intersection Setup

Name	2nd Avenue			2nd Avenue			Santa Clara Street			Santa Clara Street		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	0	1	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	50.00	100.00	100.00	40.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	1	0	0	0	0	0	0	0	0	1
Exit Pocket Length [ft]	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	150.00
Speed [mph]	35.00			35.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	2nd Avenue			2nd Avenue			Santa Clara Street			Santa Clara Street		
Base Volume Input [veh/h]	49	337	37	38	238	30	21	79	39	59	129	101
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	49	337	37	38	238	30	21	79	39	59	129	101
Peak Hour Factor	0.8490	0.8490	0.8490	0.8490	0.8490	0.8490	0.8490	0.8490	0.8490	0.8490	0.8490	0.8490
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	14	99	11	11	70	9	6	23	11	17	38	30
Total Analysis Volume [veh/h]	58	397	44	45	280	35	25	93	46	69	152	119
Pedestrian Volume [ped/h]	14			11			6			5		
Bicycle Volume [bicycles/h]	5			4			3			3		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	6	0	0	2	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-

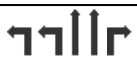
Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.03	0.12	0.12	0.03	0.09	0.09	0.01	0.08	0.08	0.04	0.15	0.15
Intersection LOS	A											
Intersection V/C	0.423											

Intersection Level Of Service Report
Intersection 2: Santa Anita Avenue/Huntington Drive

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.775

Intersection Setup

Name	Santa Anita Avenue			Santa Anita Avenue			Huntington Drive			Huntington Drive		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	2	0	1	2	0	1	1	0	1	1	0	1
Entry Pocket Length [ft]	150.00	100.00	100.00	150.00	100.00	100.00	145.00	100.00	100.00	100.00	100.00	30.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	1
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
Speed [mph]	35.00			35.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Santa Anita Avenue			Santa Anita Avenue			Huntington Drive			Huntington Drive		
Base Volume Input [veh/h]	449	623	152	108	590	73	77	550	136	142	1064	100
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	449	623	152	108	590	73	77	550	136	142	1064	100
Peak Hour Factor	0.9650	0.9650	0.9650	0.9650	0.9650	0.9650	0.9650	0.9650	0.9650	0.9650	0.9650	0.9650
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	116	161	39	28	153	19	20	142	35	37	276	26
Total Analysis Volume [veh/h]	465	646	158	112	611	76	80	570	141	147	1103	104
Pedestrian Volume [ped/h]	28			15			20			12		
Bicycle Volume [bicycles/h]	3			1			7			1		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Protecte	Permiss	Overlap	Protecte	Permiss	Overlap	ProtPer	Permiss	Overlap	ProtPer	Permiss	Overlap
Signal Group	1	6	6	5	2	2	3	8	8	7	4	4
Auxiliary Signal Groups			6,7			2,3			1,8			4,5
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.14	0.18	0.09	0.03	0.17	0.04	0.04	0.16	0.00	0.08	0.31	0.02
Intersection LOS	C											
Intersection V/C	0.775											

Intersection Level Of Service Report
Intersection 3: 1st Avenue/Huntington Drive

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	B
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.636

Intersection Setup

Name	1st Avenue			1st Avenue			Huntington Drive			Huntington Drive		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	0	1	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	1
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
Speed [mph]	35.00			35.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	1st Avenue			1st Avenue			Huntington Drive			Huntington Drive		
Base Volume Input [veh/h]	113	107	58	55	67	44	52	665	60	64	1148	107
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	113	107	58	55	67	44	52	665	60	64	1148	107
Peak Hour Factor	0.9570	0.9570	0.9570	0.9570	0.9570	0.9570	0.9570	0.9570	0.9570	0.9570	0.9570	0.9570
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	30	28	15	14	18	11	14	174	16	17	300	28
Total Analysis Volume [veh/h]	118	112	61	57	70	46	54	695	63	67	1200	112
Pedestrian Volume [ped/h]	24			7			22			16		
Bicycle Volume [bicycles/h]	3			1			7			3		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	ProtPer	Permiss	Permiss	ProtPer	Permiss	Permiss	ProtPer	Permiss	Permiss	ProtPer	Permiss	Permiss
Signal Group	1	6	0	5	2	0	3	8	0	7	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.07	0.10	0.10	0.03	0.06	0.06	0.03	0.21	0.21	0.04	0.36	0.36
Intersection LOS	B											
Intersection V/C	0.636											

Intersection Level Of Service Report
Intersection 4: 2nd Avenue/Huntington Drive

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	B
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.636

Intersection Setup

Name	2nd Avenue			2nd Avenue			Huntington Drive			Huntington Drive		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	1	1	0	0
Entry Pocket Length [ft]	85.00	100.00	100.00	100.00	100.00	100.00	80.00	100.00	100.00	75.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	35.00			35.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	2nd Avenue			2nd Avenue			Huntington Drive			Huntington Drive		
Base Volume Input [veh/h]	124	257	175	92	218	93	57	692	75	139	1120	84
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	124	257	175	92	218	93	57	692	75	139	1120	84
Peak Hour Factor	0.9430	0.9430	0.9430	0.9430	0.9430	0.9430	0.9430	0.9430	0.9430	0.9430	0.9430	0.9430
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	33	68	46	24	58	25	15	183	20	37	297	22
Total Analysis Volume [veh/h]	131	273	186	98	231	99	60	734	80	147	1188	89
Pedestrian Volume [ped/h]	18			17			1			13		
Bicycle Volume [bicycles/h]	2			0			1			2		

Intersection Settings

Cycle Length [s]	240
Lost time [s]	10.00

Phasing & Timing

Control Type	ProtPer	Permiss	Overlap	ProtPer	Permiss	Permiss	ProtPer	Permiss	Permiss	ProtPer	Permiss	Permiss
Signal Group	1	6	6	5	2	0	3	8	0	7	4	0
Auxiliary Signal Groups			6,7									
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.07	0.15	0.10	0.05	0.09	0.09	0.03	0.20	0.04	0.08	0.35	0.35
Intersection LOS	B											
Intersection V/C	0.636											

Intersection Level Of Service Report
Intersection 5: Gateway Drive/Huntington Drive

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.455

Intersection Setup

Name	Gateway Drive			Gateway Drive			Huntington Drive			Huntington Drive		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	1	1	0	0	1	0	0	1	0	0
Entry Pocket Length [ft]	100.00	100.00	50.00	75.00	100.00	100.00	35.00	100.00	100.00	60.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	25.00			25.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Gateway Drive			Gateway Drive			Huntington Drive			Huntington Drive		
Base Volume Input [veh/h]	33	1	20	49	2	50	39	824	23	44	1198	41
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	33	1	20	49	2	50	39	824	23	44	1198	41
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	8	0	5	12	1	13	10	206	6	11	300	10
Total Analysis Volume [veh/h]	33	1	20	49	2	50	39	824	23	44	1198	41
Pedestrian Volume [ped/h]	31			12			1			3		
Bicycle Volume [bicycles/h]	0			2			0			0		

Intersection Settings

Cycle Length [s]	240
Lost time [s]	10.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	ProtPer	Permiss	Permiss	ProtPer	Permiss	Permiss
Signal Group	0	6	0	0	2	0	3	8	0	7	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	Lead	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.02	0.01	0.01	0.03	0.03	0.03	0.02	0.24	0.24	0.02	0.34	0.34
Intersection LOS	A											
Intersection V/C	0.455											

Intersection Level Of Service Report
Intersection 6: 5th Avenue/Huntington Drive

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	B
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.690

Intersection Setup

Name	5th Avenue			5th Avenue			Huntington Drive			Huntington Drive		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	0	1	0	1
Entry Pocket Length [ft]	75.00	100.00	100.00	140.00	100.00	100.00	55.00	100.00	100.00	155.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	25.00			30.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	5th Avenue			5th Avenue			Huntington Drive			Huntington Drive		
Base Volume Input [veh/h]	18	15	37	252	31	81	103	726	42	104	1235	224
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	18	15	37	252	31	81	103	726	42	104	1235	224
Peak Hour Factor	0.9840	0.9840	0.9840	0.9840	0.9840	0.9840	0.9840	0.9840	0.9840	0.9840	0.9840	0.9840
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	5	4	9	64	8	21	26	184	11	26	314	57
Total Analysis Volume [veh/h]	18	15	38	256	32	82	105	738	43	106	1255	228
Pedestrian Volume [ped/h]	15			7			4			25		
Bicycle Volume [bicycles/h]	0			1			3			1		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	6	0	0	2	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.01	0.03	0.03	0.14	0.06	0.06	0.06	0.22	0.22	0.06	0.35	0.13
Intersection LOS	B											
Intersection V/C	0.690											

Intersection Level Of Service Report
Intersection 7: I-210 SB ramps/Huntington Drive

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	B
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.636

Intersection Setup

Name	I-210 SB ramps			I-210 SB ramps			Huntington Drive			Huntington Drive		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	1	1	0	1	0	0	0	1	0	1
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	2
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
Speed [mph]	25.00			30.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			No		

Volumes

Name	I-210 SB ramps			I-210 SB ramps			Huntington Drive			Huntington Drive		
Base Volume Input [veh/h]	53	0	60	201	15	172	0	961	49	47	1360	117
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	2.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	53	0	60	201	15	172	0	961	49	47	1360	117
Peak Hour Factor	0.9640	1.0000	0.9640	0.9640	0.9640	0.9640	1.0000	0.9640	0.9640	0.9640	0.9640	0.9640
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	14	0	16	52	4	45	0	249	13	12	353	30
Total Analysis Volume [veh/h]	55	0	62	209	16	178	0	997	51	49	1411	121
Pedestrian Volume [ped/h]	12			4			0			0		
Bicycle Volume [bicycles/h]	0			1			0			0		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Split	Permiss	Split	Split	Split	Split	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	1	0	0	0	2	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	-	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.03	0.00	0.03	0.06	0.06	0.10	0.00	0.19	0.19	0.03	0.39	0.07
Intersection LOS	B											
Intersection V/C	0.636											

The Derby Mixed-Use Project

Vistro File: P:\...\The Derby Mixed Use Project_PM_2.vistro
Report File: P:\...\OY+P PM_3.pdf

Scenario 4 Opening Year (2025) plus Project
7/17/2023

Intersection Analysis Summary

ID	Intersection Name	Control Type	Method	Worst Mvmt	V/C	Delay (s/veh)	LOS
1	2nd Avenue/Santa Clara Street	Signalized	ICU 1	EB Thru	0.484	-	A
2	Santa Anita Avenue/Huntington Drive	Signalized	ICU 1	EB Thru	0.726	-	C
3	1st Avenue/Huntington Drive	Signalized	ICU 1	EB Thru	0.734	-	C
4	2nd Avenue/Huntington Drive	Signalized	ICU 1	EB Thru	0.747	-	C
5	Gateway Drive/Huntington Drive	Signalized	ICU 1	EB Thru	0.617	-	B
6	5th Avenue/Huntington Drive	Signalized	ICU 1	EB Thru	0.795	-	C
7	I-210 SB ramps/Huntington Drive	Signalized	ICU 1	EB Thru	0.618	-	B

V/C, Delay, LOS: For two-way stop, these values are taken from the movement with the worst (highest) delay value. For all other control types, they are taken for the whole intersection.

Intersection Level Of Service Report
Intersection 1: 2nd Avenue/Santa Clara Street

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.484

Intersection Setup

Name	2nd Avenue			2nd Avenue			Santa Clara Street			Santa Clara Street		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	0	1	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	50.00	100.00	100.00	40.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	1	0	0	0	0	0	0	0	0	1
Exit Pocket Length [ft]	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	150.00
Speed [mph]	35.00			35.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	2nd Avenue			2nd Avenue			Santa Clara Street			Santa Clara Street		
Base Volume Input [veh/h]	47	221	64	105	324	27	23	221	51	75	117	41
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	47	221	64	105	324	27	23	221	51	75	117	41
Peak Hour Factor	0.8860	0.8860	0.8860	0.8860	0.8860	0.8860	0.8860	0.8860	0.8860	0.8860	0.8860	0.8860
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	13	62	18	30	91	8	6	62	14	21	33	12
Total Analysis Volume [veh/h]	53	249	72	119	366	30	26	249	58	85	132	46
Pedestrian Volume [ped/h]	14			11			6			5		
Bicycle Volume [bicycles/h]	5			4			3			3		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	6	0	0	2	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.03	0.09	0.09	0.07	0.11	0.11	0.01	0.17	0.17	0.05	0.10	0.10
Intersection LOS	A											
Intersection V/C	0.484											

Intersection Level Of Service Report
Intersection 2: Santa Anita Avenue/Huntington Drive

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.726

Intersection Setup

Name	Santa Anita Avenue			Santa Anita Avenue			Huntington Drive			Huntington Drive		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	2	0	1	2	0	1	1	0	1	1	0	1
Entry Pocket Length [ft]	150.00	100.00	100.00	150.00	100.00	100.00	145.00	100.00	100.00	100.00	100.00	30.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	1
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
Speed [mph]	35.00			35.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Santa Anita Avenue			Santa Anita Avenue			Huntington Drive			Huntington Drive		
Base Volume Input [veh/h]	176	589	166	155	562	86	66	1118	487	127	689	161
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	176	589	166	155	562	86	66	1118	487	127	689	161
Peak Hour Factor	0.9650	0.9650	0.9650	0.9650	0.9650	0.9650	0.9650	0.9650	0.9650	0.9650	0.9650	0.9650
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	46	153	43	40	146	22	17	290	126	33	178	42
Total Analysis Volume [veh/h]	182	610	172	161	582	89	68	1159	505	132	714	167
Pedestrian Volume [ped/h]	28			15			20			12		
Bicycle Volume [bicycles/h]	3			1			7			1		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Protecte	Permiss	Overlap	Protecte	Permiss	Overlap	ProtPer	Permiss	Overlap	ProtPer	Permiss	Overlap
Signal Group	1	6	6	5	2	2	3	8	8	7	4	4
Auxiliary Signal Groups			6,7			2,3			1,8			4,5
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.06	0.17	0.10	0.05	0.16	0.05	0.04	0.32	0.22	0.07	0.20	0.04
Intersection LOS	C											
Intersection V/C	0.726											

Intersection Level Of Service Report
Intersection 3: 1st Avenue/Huntington Drive

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.734

Intersection Setup

Name	1st Avenue			1st Avenue			Huntington Drive			Huntington Drive		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	0	1	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	1
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
Speed [mph]	35.00			35.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	1st Avenue			1st Avenue			Huntington Drive			Huntington Drive		
Base Volume Input [veh/h]	56	85	93	167	119	75	50	1301	61	83	870	90
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	56	85	93	167	119	75	50	1301	61	83	870	90
Peak Hour Factor	0.9890	0.9890	0.9890	0.9890	0.9890	0.9890	0.9890	0.9890	0.9890	0.9890	0.9890	0.9890
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	14	21	24	42	30	19	13	329	15	21	220	23
Total Analysis Volume [veh/h]	57	86	94	169	120	76	51	1315	62	84	880	91
Pedestrian Volume [ped/h]	24			7			22			16		
Bicycle Volume [bicycles/h]	3			1			7			3		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	ProtPer	Permiss	Permiss	ProtPer	Permiss	Permiss	ProtPer	Permiss	Permiss	ProtPer	Permiss	Permiss
Signal Group	1	6	0	5	2	0	3	8	0	7	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.03	0.10	0.10	0.09	0.11	0.11	0.03	0.38	0.38	0.05	0.27	0.27
Intersection LOS	C											
Intersection V/C	0.734											

Intersection Level Of Service Report
Intersection 4: 2nd Avenue/Huntington Drive

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.747

Intersection Setup

Name	2nd Avenue			2nd Avenue			Huntington Drive			Huntington Drive		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	1	1	0	0
Entry Pocket Length [ft]	85.00	100.00	100.00	100.00	100.00	100.00	80.00	100.00	100.00	75.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	35.00			35.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	2nd Avenue			2nd Avenue			Huntington Drive			Huntington Drive		
Base Volume Input [veh/h]	61	203	209	122	255	97	65	1393	88	184	900	99
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	61	203	209	122	255	97	65	1393	88	184	900	99
Peak Hour Factor	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	16	53	55	32	67	25	17	365	23	48	236	26
Total Analysis Volume [veh/h]	64	213	219	128	267	102	68	1459	92	193	942	104
Pedestrian Volume [ped/h]	18			17			1			13		
Bicycle Volume [bicycles/h]	2			0			1			2		

Intersection Settings

Cycle Length [s]	240
Lost time [s]	10.00

Phasing & Timing

Control Type	ProtPer	Permiss	Overlap	ProtPer	Permiss	Permiss	ProtPer	Permiss	Permiss	ProtPer	Permiss	Permiss
Signal Group	1	6	6	5	2	0	3	8	0	7	4	0
Auxiliary Signal Groups			6,7									
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.04	0.12	0.12	0.07	0.10	0.10	0.04	0.41	0.05	0.11	0.29	0.29
Intersection LOS	C											
Intersection V/C	0.747											

Intersection Level Of Service Report
Intersection 5: Gateway Drive/Huntington Drive

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	B
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.617

Intersection Setup

Name	Gateway Drive			Gateway Drive			Huntington Drive			Huntington Drive		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	1	1	0	0	1	0	0	1	0	0
Entry Pocket Length [ft]	100.00	100.00	50.00	75.00	100.00	100.00	35.00	100.00	100.00	60.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	25.00			25.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Gateway Drive			Gateway Drive			Huntington Drive			Huntington Drive		
Base Volume Input [veh/h]	74	2	32	62	3	77	70	1524	47	50	1030	49
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	74	2	32	62	3	77	70	1524	47	50	1030	49
Peak Hour Factor	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	19	1	8	16	1	20	18	399	12	13	270	13
Total Analysis Volume [veh/h]	77	2	34	65	3	81	73	1596	49	52	1079	51
Pedestrian Volume [ped/h]	31			12			1			3		
Bicycle Volume [bicycles/h]	0			2			0			0		

Intersection Settings

Cycle Length [s]	240
Lost time [s]	10.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	ProtPer	Permiss	Permiss	ProtPer	Permiss	Permiss
Signal Group	0	6	0	0	2	0	3	8	0	7	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	Lead	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.04	0.02	0.02	0.04	0.05	0.05	0.04	0.46	0.46	0.03	0.31	0.31
Intersection LOS	B											
Intersection V/C	0.617											

Intersection Level Of Service Report
Intersection 6: 5th Avenue/Huntington Drive

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.795

Intersection Setup

Name	5th Avenue			5th Avenue			Huntington Drive			Huntington Drive		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	0	1	0	1
Entry Pocket Length [ft]	75.00	100.00	100.00	140.00	100.00	100.00	55.00	100.00	100.00	155.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	25.00			30.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	5th Avenue			5th Avenue			Huntington Drive			Huntington Drive		
Base Volume Input [veh/h]	45	23	131	212	18	118	88	1529	16	31	1005	168
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	45	23	131	212	18	118	88	1529	16	31	1005	168
Peak Hour Factor	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	12	6	34	56	5	31	23	402	4	8	264	44
Total Analysis Volume [veh/h]	47	24	138	223	19	124	93	1609	17	33	1058	177
Pedestrian Volume [ped/h]	15			7			4			25		
Bicycle Volume [bicycles/h]	0			1			3			1		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	6	0	0	2	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.03	0.09	0.09	0.12	0.08	0.08	0.05	0.45	0.45	0.02	0.29	0.10
Intersection LOS	C											
Intersection V/C	0.795											

Intersection Level Of Service Report
Intersection 7: I-210 SB ramps/Huntington Drive

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	B
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.618

Intersection Setup

Name	I-210 SB ramps			I-210 SB ramps			Huntington Drive			Huntington Drive		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	1	1	0	1	0	0	0	1	0	1
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	2
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
Speed [mph]	25.00			30.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			No		

Volumes

Name	I-210 SB ramps			I-210 SB ramps			Huntington Drive			Huntington Drive		
Base Volume Input [veh/h]	51	0	62	257	14	78	0	1812	38	44	1114	56
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	2.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	51	0	62	257	14	78	0	1812	38	44	1114	56
Peak Hour Factor	0.9400	1.0000	0.9400	0.9400	0.9400	0.9400	1.0000	0.9400	0.9400	0.9400	0.9400	0.9400
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	14	0	16	68	4	21	0	482	10	12	296	15
Total Analysis Volume [veh/h]	54	0	66	273	15	83	0	1928	40	47	1185	60
Pedestrian Volume [ped/h]	12			4			0			0		
Bicycle Volume [bicycles/h]	0			1			0			0		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Split	Permiss	Split	Split	Split	Split	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	1	0	0	0	2	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	-	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.03	0.00	0.04	0.08	0.08	0.05	0.00	0.36	0.36	0.03	0.33	0.03
Intersection LOS	B											
Intersection V/C	0.618											

The Derby Mixed-Use Project

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Report File: P:\...\HY AM_3.pdf

Scenario 5 Horizon Year (2040)
7/17/2023

Intersection Analysis Summary

ID	Intersection Name	Control Type	Method	Worst Mvmt	V/C	Delay (s/veh)	LOS
1	2nd Avenue/Santa Clara Street	Signalized	ICU 1	WB Thru	0.429	-	A
2	Santa Anita Avenue/Huntington Drive	Signalized	ICU 1	WB Thru	0.885	-	D
3	1st Avenue/Huntington Drive	Signalized	ICU 1	WB Thru	0.706	-	C
4	2nd Avenue/Huntington Drive	Signalized	ICU 1	WB Thru	0.684	-	B
5	Gateway Drive/Huntington Drive	Signalized	ICU 1	WB Thru	0.500	-	A
6	5th Avenue/Huntington Drive	Signalized	ICU 1	WB Thru	0.778	-	C
7	I-210 SB ramps/Huntington Drive	Signalized	ICU 1	WB Thru	0.716	-	C

V/C, Delay, LOS: For two-way stop, these values are taken from the movement with the worst (highest) delay value. For all other control types, they are taken for the whole intersection.

Intersection Level Of Service Report
Intersection 1: 2nd Avenue/Santa Clara Street

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.429

Intersection Setup

Name	2nd Avenue			2nd Avenue			Santa Clara Street			Santa Clara Street		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	0	1	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	50.00	100.00	100.00	40.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	1	0	0	0	0	0	0	0	0	1
Exit Pocket Length [ft]	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	150.00
Speed [mph]	35.00			35.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	2nd Avenue			2nd Avenue			Santa Clara Street			Santa Clara Street		
Base Volume Input [veh/h]	38	378	43	44	265	34	24	89	31	65	149	117
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	38	378	43	44	265	34	24	89	31	65	149	117
Peak Hour Factor	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	10	99	11	12	70	9	6	23	8	17	39	31
Total Analysis Volume [veh/h]	40	398	45	46	279	36	25	94	33	68	157	123
Pedestrian Volume [ped/h]	14			11			6			5		
Bicycle Volume [bicycles/h]	5			4			3			3		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	6	0	0	2	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.02	0.12	0.12	0.03	0.09	0.09	0.01	0.07	0.07	0.04	0.16	0.16
Intersection LOS	A											
Intersection V/C	0.429											

Intersection Level Of Service Report
Intersection 2: Santa Anita Avenue/Huntington Drive

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	D
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.885

Intersection Setup

Name	Santa Anita Avenue			Santa Anita Avenue			Huntington Drive			Huntington Drive		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	2	0	1	2	0	1	1	0	1	1	0	1
Entry Pocket Length [ft]	150.00	100.00	100.00	150.00	100.00	100.00	145.00	100.00	100.00	100.00	100.00	30.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	1
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
Speed [mph]	35.00			35.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Santa Anita Avenue			Santa Anita Avenue			Huntington Drive			Huntington Drive		
Base Volume Input [veh/h]	520	722	169	113	683	81	85	619	158	157	1218	91
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	520	722	169	113	683	81	85	619	158	157	1218	91
Peak Hour Factor	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	137	190	44	30	180	21	22	163	42	41	321	24
Total Analysis Volume [veh/h]	547	760	178	119	719	85	89	652	166	165	1282	96
Pedestrian Volume [ped/h]	28			15			20			12		
Bicycle Volume [bicycles/h]	3			1			7			1		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Protecte	Permiss	Overlap	Protecte	Permiss	Overlap	ProtPer	Permiss	Overlap	ProtPer	Permiss	Overlap
Signal Group	1	6	6	5	2	2	3	8	8	7	4	4
Auxiliary Signal Groups			6,7			2,3			1,8			4,5
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.17	0.21	0.10	0.04	0.20	0.05	0.05	0.18	0.00	0.09	0.36	0.02
Intersection LOS	D											
Intersection V/C	0.885											

Intersection Level Of Service Report
Intersection 3: 1st Avenue/Huntington Drive

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.706

Intersection Setup

Name	1st Avenue			1st Avenue			Huntington Drive			Huntington Drive		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	0	1	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	1
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
Speed [mph]	35.00			35.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	1st Avenue			1st Avenue			Huntington Drive			Huntington Drive		
Base Volume Input [veh/h]	130	124	57	56	77	50	60	735	68	62	1284	116
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	130	124	57	56	77	50	60	735	68	62	1284	116
Peak Hour Factor	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	34	33	15	15	20	13	16	193	18	16	338	31
Total Analysis Volume [veh/h]	137	131	60	59	81	53	63	774	72	65	1352	122
Pedestrian Volume [ped/h]	24			7			22			16		
Bicycle Volume [bicycles/h]	3			1			7			3		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	ProtPer	Permiss	Permiss	ProtPer	Permiss	Permiss	ProtPer	Permiss	Permiss	ProtPer	Permiss	Permiss
Signal Group	1	6	0	5	2	0	3	8	0	7	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.08	0.11	0.11	0.03	0.07	0.07	0.04	0.24	0.24	0.04	0.41	0.41
Intersection LOS	C											
Intersection V/C	0.706											

Intersection Level Of Service Report
Intersection 4: 2nd Avenue/Huntington Drive

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	B
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.684

Intersection Setup

Name	2nd Avenue			2nd Avenue			Huntington Drive			Huntington Drive		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	1	1	0	0
Entry Pocket Length [ft]	85.00	100.00	100.00	100.00	100.00	100.00	80.00	100.00	100.00	75.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	35.00			35.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	2nd Avenue			2nd Avenue			Huntington Drive			Huntington Drive		
Base Volume Input [veh/h]	142	298	193	83	253	104	64	751	84	150	1240	68
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	142	298	193	83	253	104	64	751	84	150	1240	68
Peak Hour Factor	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	37	78	51	22	67	27	17	198	22	39	326	18
Total Analysis Volume [veh/h]	149	314	203	87	266	109	67	791	88	158	1305	72
Pedestrian Volume [ped/h]	18			17			1			13		
Bicycle Volume [bicycles/h]	2			0			1			2		

Intersection Settings

Cycle Length [s]	240
Lost time [s]	10.00

Phasing & Timing

Control Type	ProtPer	Permiss	Overlap	ProtPer	Permiss	Permiss	ProtPer	Permiss	Permiss	ProtPer	Permiss	Permiss
Signal Group	1	6	6	5	2	0	3	8	0	7	4	0
Auxiliary Signal Groups			6,7									
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.08	0.17	0.11	0.05	0.10	0.10	0.04	0.22	0.05	0.09	0.38	0.38
Intersection LOS	B											
Intersection V/C	0.684											

Intersection Level Of Service Report
Intersection 5: Gateway Drive/Huntington Drive

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.500

Intersection Setup

Name	Gateway Drive			Gateway Drive			Huntington Drive			Huntington Drive		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	1	1	0	0	1	0	0	1	0	0
Entry Pocket Length [ft]	100.00	100.00	50.00	75.00	100.00	100.00	35.00	100.00	100.00	60.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	25.00			25.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Gateway Drive			Gateway Drive			Huntington Drive			Huntington Drive		
Base Volume Input [veh/h]	38	1	23	17	2	22	32	916	26	51	1358	23
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	38	1	23	17	2	22	32	916	26	51	1358	23
Peak Hour Factor	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	10	0	6	4	1	6	8	241	7	13	357	6
Total Analysis Volume [veh/h]	40	1	24	18	2	23	34	964	27	54	1429	24
Pedestrian Volume [ped/h]	31			12			1			3		
Bicycle Volume [bicycles/h]	0			2			0			0		

Intersection Settings

Cycle Length [s]	240
Lost time [s]	10.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	ProtPer	Permiss	Permiss	ProtPer	Permiss	Permiss
Signal Group	0	6	0	0	2	0	3	8	0	7	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	Lead	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.02	0.01	0.01	0.01	0.01	0.01	0.02	0.28	0.28	0.03	0.40	0.40
Intersection LOS	A											
Intersection V/C	0.500											

Intersection Level Of Service Report
Intersection 6: 5th Avenue/Huntington Drive

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.778

Intersection Setup

Name	5th Avenue			5th Avenue			Huntington Drive			Huntington Drive		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	0	1	0	1
Entry Pocket Length [ft]	75.00	100.00	100.00	140.00	100.00	100.00	55.00	100.00	100.00	155.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	25.00			30.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	5th Avenue			5th Avenue			Huntington Drive			Huntington Drive		
Base Volume Input [veh/h]	21	17	43	291	36	74	90	792	48	120	1398	259
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	21	17	43	291	36	74	90	792	48	120	1398	259
Peak Hour Factor	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	6	4	11	77	9	19	24	208	13	32	368	68
Total Analysis Volume [veh/h]	22	18	45	306	38	78	95	834	51	126	1472	273
Pedestrian Volume [ped/h]	15			7			4			25		
Bicycle Volume [bicycles/h]	0			1			3			1		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	6	0	0	2	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.01	0.04	0.04	0.17	0.06	0.06	0.05	0.25	0.25	0.07	0.41	0.15
Intersection LOS	C											
Intersection V/C	0.778											

Intersection Level Of Service Report
Intersection 7: I-210 SB ramps/Huntington Drive

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.716

Intersection Setup

Name	I-210 SB ramps			I-210 SB ramps			Huntington Drive			Huntington Drive		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	1	1	0	1	0	0	0	1	0	1
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	2
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
Speed [mph]	25.00			30.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			No		

Volumes

Name	I-210 SB ramps			I-210 SB ramps			Huntington Drive			Huntington Drive		
Base Volume Input [veh/h]	56	0	63	231	15	193	0	1070	50	49	1556	136
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	2.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	56	0	63	231	15	193	0	1070	50	49	1556	136
Peak Hour Factor	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	15	0	17	61	4	51	0	282	13	13	409	36
Total Analysis Volume [veh/h]	59	0	66	243	16	203	0	1126	53	52	1638	143
Pedestrian Volume [ped/h]	12			4			0			0		
Bicycle Volume [bicycles/h]	0			1			0			0		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Split	Permiss	Split	Split	Split	Split	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	1	0	0	0	2	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	-	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.03	0.00	0.04	0.07	0.07	0.11	0.00	0.22	0.22	0.03	0.46	0.08
Intersection LOS	C											
Intersection V/C	0.716											

The Derby Mixed-Use Project

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Report File: P:\...\HY PM_3.pdf

Scenario 5 Horizon Year (2040)
7/17/2023

Intersection Analysis Summary

ID	Intersection Name	Control Type	Method	Worst Mvmt	V/C	Delay (s/veh)	LOS
1	2nd Avenue/Santa Clara Street	Signalized	ICU 1	EB Right	0.500	-	A
2	Santa Anita Avenue/Huntington Drive	Signalized	ICU 1	EB Thru	0.827	-	D
3	1st Avenue/Huntington Drive	Signalized	ICU 1	EB Thru	0.838	-	D
4	2nd Avenue/Huntington Drive	Signalized	ICU 1	EB Thru	0.829	-	D
5	Gateway Drive/Huntington Drive	Signalized	ICU 1	EB Thru	0.697	-	B
6	5th Avenue/Huntington Drive	Signalized	ICU 1	EB Thru	0.895	-	D
7	I-210 SB ramps/Huntington Drive	Signalized	ICU 1	EB Thru	0.682	-	B

V/C, Delay, LOS: For two-way stop, these values are taken from the movement with the worst (highest) delay value. For all other control types, they are taken for the whole intersection.

Intersection Level Of Service Report
Intersection 1: 2nd Avenue/Santa Clara Street

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.500

Intersection Setup

Name	2nd Avenue			2nd Avenue			Santa Clara Street			Santa Clara Street		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	0	1	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	50.00	100.00	100.00	40.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	1	0	0	0	0	0	0	0	0	1
Exit Pocket Length [ft]	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	150.00
Speed [mph]	35.00			35.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	2nd Avenue			2nd Avenue			Santa Clara Street			Santa Clara Street		
Base Volume Input [veh/h]	43	250	74	122	364	31	26	254	47	82	133	48
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	43	250	74	122	364	31	26	254	47	82	133	48
Peak Hour Factor	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	11	66	19	32	96	8	7	67	12	22	35	13
Total Analysis Volume [veh/h]	45	263	78	128	383	33	27	267	49	86	140	51
Pedestrian Volume [ped/h]	14			11			6			5		
Bicycle Volume [bicycles/h]	5			4			3			3		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	6	0	0	2	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.03	0.09	0.09	0.07	0.12	0.12	0.02	0.18	0.18	0.05	0.11	0.11
Intersection LOS	A											
Intersection V/C	0.500											

Intersection Level Of Service Report
Intersection 2: Santa Anita Avenue/Huntington Drive

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	D
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.827

Intersection Setup

Name	Santa Anita Avenue			Santa Anita Avenue			Huntington Drive			Huntington Drive		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	2	0	1	2	0	1	1	0	1	1	0	1
Entry Pocket Length [ft]	150.00	100.00	100.00	150.00	100.00	100.00	145.00	100.00	100.00	100.00	100.00	30.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	1
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
Speed [mph]	35.00			35.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Santa Anita Avenue			Santa Anita Avenue			Huntington Drive			Huntington Drive		
Base Volume Input [veh/h]	204	679	184	159	651	97	72	1289	565	142	780	164
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	204	679	184	159	651	97	72	1289	565	142	780	164
Peak Hour Factor	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	54	179	48	42	171	26	19	339	149	37	205	43
Total Analysis Volume [veh/h]	215	715	194	167	685	102	76	1357	595	149	821	173
Pedestrian Volume [ped/h]	28			15			20			12		
Bicycle Volume [bicycles/h]	3			1			7			1		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Protecte	Permiss	Overlap	Protecte	Permiss	Overlap	ProtPer	Permiss	Overlap	ProtPer	Permiss	Overlap
Signal Group	1	6	6	5	2	2	3	8	8	7	4	4
Auxiliary Signal Groups			6,7			2,3			1,8			4,5
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.07	0.20	0.11	0.05	0.19	0.06	0.04	0.38	0.26	0.08	0.23	0.04
Intersection LOS	D											
Intersection V/C	0.827											

Intersection Level Of Service Report
Intersection 3: 1st Avenue/Huntington Drive

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	D
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.838

Intersection Setup

Name	1st Avenue			1st Avenue			Huntington Drive			Huntington Drive		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	0	1	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	1
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
Speed [mph]	35.00			35.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	1st Avenue			1st Avenue			Huntington Drive			Huntington Drive		
Base Volume Input [veh/h]	62	97	99	184	138	85	58	1473	69	91	966	96
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	62	97	99	184	138	85	58	1473	69	91	966	96
Peak Hour Factor	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	16	26	26	48	36	22	15	388	18	24	254	25
Total Analysis Volume [veh/h]	65	102	104	194	145	89	61	1551	73	96	1017	101
Pedestrian Volume [ped/h]	24			7			22			16		
Bicycle Volume [bicycles/h]	3			1			7			3		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	ProtPer	Permiss	Permiss	ProtPer	Permiss	Permiss	ProtPer	Permiss	Permiss	ProtPer	Permiss	Permiss
Signal Group	1	6	0	5	2	0	3	8	0	7	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.04	0.11	0.11	0.11	0.13	0.13	0.03	0.45	0.45	0.05	0.31	0.31
Intersection LOS	D											
Intersection V/C	0.838											

Intersection Level Of Service Report
Intersection 4: 2nd Avenue/Huntington Drive

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	D
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.829

Intersection Setup

Name	2nd Avenue			2nd Avenue			Huntington Drive			Huntington Drive		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	1	1	0	0
Entry Pocket Length [ft]	85.00	100.00	100.00	100.00	100.00	100.00	80.00	100.00	100.00	75.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	35.00			35.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	2nd Avenue			2nd Avenue			Huntington Drive			Huntington Drive		
Base Volume Input [veh/h]	68	236	233	121	296	104	75	1563	101	208	997	98
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	68	236	233	121	296	104	75	1563	101	208	997	98
Peak Hour Factor	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	18	62	61	32	78	27	20	411	27	55	262	26
Total Analysis Volume [veh/h]	72	248	245	127	312	109	79	1645	106	219	1049	103
Pedestrian Volume [ped/h]	18			17			1			13		
Bicycle Volume [bicycles/h]	2			0			1			2		

Intersection Settings

Cycle Length [s]	240
Lost time [s]	10.00

Phasing & Timing

Control Type	ProtPer	Permiss	Overlap	ProtPer	Permiss	Permiss	ProtPer	Permiss	Permiss	ProtPer	Permiss	Permiss
Signal Group	1	6	6	5	2	0	3	8	0	7	4	0
Auxiliary Signal Groups			6,7									
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.04	0.14	0.14	0.07	0.12	0.12	0.04	0.46	0.06	0.12	0.32	0.32
Intersection LOS	D											
Intersection V/C	0.829											

Intersection Level Of Service Report
Intersection 5: Gateway Drive/Huntington Drive

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	B
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.697

Intersection Setup

Name	Gateway Drive			Gateway Drive			Huntington Drive			Huntington Drive		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	1	1	0	0	1	0	0	1	0	0
Entry Pocket Length [ft]	100.00	100.00	50.00	75.00	100.00	100.00	35.00	100.00	100.00	60.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	25.00			25.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Gateway Drive			Gateway Drive			Huntington Drive			Huntington Drive		
Base Volume Input [veh/h]	86	2	37	48	4	69	52	1751	54	59	1168	17
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	86	2	37	48	4	69	52	1751	54	59	1168	17
Peak Hour Factor	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	23	1	10	13	1	18	14	461	14	16	307	4
Total Analysis Volume [veh/h]	91	2	39	51	4	73	55	1843	57	62	1229	18
Pedestrian Volume [ped/h]	31			12			1			3		
Bicycle Volume [bicycles/h]	0			2			0			0		

Intersection Settings

Cycle Length [s]	240
Lost time [s]	10.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	ProtPer	Permiss	Permiss	ProtPer	Permiss	Permiss
Signal Group	0	6	0	0	2	0	3	8	0	7	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	Lead	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.05	0.02	0.02	0.03	0.04	0.04	0.03	0.53	0.53	0.03	0.35	0.35
Intersection LOS	B											
Intersection V/C	0.697											

Intersection Level Of Service Report
Intersection 6: 5th Avenue/Huntington Drive

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	D
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.895

Intersection Setup

Name	5th Avenue			5th Avenue			Huntington Drive			Huntington Drive		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	0	1	0	1
Entry Pocket Length [ft]	75.00	100.00	100.00	140.00	100.00	100.00	55.00	100.00	100.00	155.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	25.00			30.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	5th Avenue			5th Avenue			Huntington Drive			Huntington Drive		
Base Volume Input [veh/h]	53	26	152	245	20	118	90	1745	19	36	1118	194
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	53	26	152	245	20	118	90	1745	19	36	1118	194
Peak Hour Factor	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	14	7	40	64	5	31	24	459	5	9	294	51
Total Analysis Volume [veh/h]	56	27	160	258	21	124	95	1837	20	38	1177	204
Pedestrian Volume [ped/h]	15			7			4			25		
Bicycle Volume [bicycles/h]	0			1			3			1		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	6	0	0	2	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.03	0.10	0.10	0.14	0.08	0.08	0.05	0.52	0.52	0.02	0.33	0.11
Intersection LOS	D											
Intersection V/C	0.895											

Intersection Level Of Service Report
Intersection 7: I-210 SB ramps/Huntington Drive

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	B
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.682

Intersection Setup

Name	I-210 SB ramps			I-210 SB ramps			Huntington Drive			Huntington Drive		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	1	1	0	1	0	0	0	1	0	1
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	2
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
Speed [mph]	25.00			30.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			No		

Volumes

Name	I-210 SB ramps			I-210 SB ramps			Huntington Drive			Huntington Drive		
Base Volume Input [veh/h]	54	0	66	296	15	83	0	2078	40	48	1257	64
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	2.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	54	0	66	296	15	83	0	2078	40	48	1257	64
Peak Hour Factor	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	14	0	17	78	4	22	0	547	11	13	331	17
Total Analysis Volume [veh/h]	57	0	69	312	16	87	0	2187	42	51	1323	67
Pedestrian Volume [ped/h]	12			4			0			0		
Bicycle Volume [bicycles/h]	0			1			0			0		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Split	Permiss	Split	Split	Split	Split	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	1	0	0	0	2	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	-	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.03	0.00	0.04	0.09	0.09	0.05	0.00	0.41	0.41	0.03	0.37	0.04
Intersection LOS	B											
Intersection V/C	0.682											

The Derby Mixed-Use Project

Vistro File: P:\...\The Derby Mixed Use Project_AM_2.vistro
Scenario 6 Horizon Year (2040) plus Project
Report File: P:\...\HY+P AM_3.pdf
7/17/2023

Intersection Analysis Summary

ID	Intersection Name	Control Type	Method	Worst Mvmt	V/C	Delay (s/veh)	LOS
1	2nd Avenue/Santa Clara Street	Signalized	ICU 1	WB Thru	0.471	-	A
2	Santa Anita Avenue/Huntington Drive	Signalized	ICU 1	WB Thru	0.875	-	D
3	1st Avenue/Huntington Drive	Signalized	ICU 1	WB Right	0.711	-	C
4	2nd Avenue/Huntington Drive	Signalized	ICU 1	WB Right	0.721	-	C
5	Gateway Drive/Huntington Drive	Signalized	ICU 1	WB Thru	0.512	-	A
6	5th Avenue/Huntington Drive	Signalized	ICU 1	WB Thru	0.773	-	C
7	I-210 SB ramps/Huntington Drive	Signalized	ICU 1	WB Thru	0.714	-	C

V/C, Delay, LOS: For two-way stop, these values are taken from the movement with the worst (highest) delay value. For all other control types, they are taken for the whole intersection.

Intersection Level Of Service Report
Intersection 1: 2nd Avenue/Santa Clara Street

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.471

Intersection Setup

Name	2nd Avenue			2nd Avenue			Santa Clara Street			Santa Clara Street		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	0	1	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	50.00	100.00	100.00	40.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	1	0	0	0	0	0	0	0	0	1
Exit Pocket Length [ft]	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	150.00
Speed [mph]	35.00			35.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	2nd Avenue			2nd Avenue			Santa Clara Street			Santa Clara Street		
Base Volume Input [veh/h]	53	388	43	44	274	34	24	89	42	65	149	117
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	53	388	43	44	274	34	24	89	42	65	149	117
Peak Hour Factor	0.8490	0.8490	0.8490	0.8490	0.8490	0.8490	0.8490	0.8490	0.8490	0.8490	0.8490	0.8490
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	16	114	13	13	81	10	7	26	12	19	44	34
Total Analysis Volume [veh/h]	62	457	51	52	323	40	28	105	49	77	176	138
Pedestrian Volume [ped/h]	14			11			6			5		
Bicycle Volume [bicycles/h]	5			4			3			3		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	6	0	0	2	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-

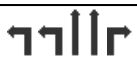
Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.03	0.14	0.14	0.03	0.10	0.10	0.02	0.09	0.09	0.04	0.17	0.17
Intersection LOS	A											
Intersection V/C	0.471											

Intersection Level Of Service Report
Intersection 2: Santa Anita Avenue/Huntington Drive

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	D
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.875

Intersection Setup

Name	Santa Anita Avenue			Santa Anita Avenue			Huntington Drive			Huntington Drive		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	2	0	1	2	0	1	1	0	1	1	0	1
Entry Pocket Length [ft]	150.00	100.00	100.00	150.00	100.00	100.00	145.00	100.00	100.00	100.00	100.00	30.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	1
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
Speed [mph]	35.00			35.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Santa Anita Avenue			Santa Anita Avenue			Huntington Drive			Huntington Drive		
Base Volume Input [veh/h]	520	722	174	120	683	81	85	622	158	163	1222	109
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	520	722	174	120	683	81	85	622	158	163	1222	109
Peak Hour Factor	0.9650	0.9650	0.9650	0.9650	0.9650	0.9650	0.9650	0.9650	0.9650	0.9650	0.9650	0.9650
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	135	187	45	31	177	21	22	161	41	42	317	28
Total Analysis Volume [veh/h]	539	748	180	124	708	84	88	645	164	169	1266	113
Pedestrian Volume [ped/h]	28			15			20			12		
Bicycle Volume [bicycles/h]	3			1			7			1		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Protecte	Permiss	Overlap	Protecte	Permiss	Overlap	ProtPer	Permiss	Overlap	ProtPer	Permiss	Overlap
Signal Group	1	6	6	5	2	2	3	8	8	7	4	4
Auxiliary Signal Groups			6,7			2,3			1,8			4,5
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.17	0.21	0.10	0.04	0.20	0.05	0.05	0.18	0.00	0.09	0.35	0.02
Intersection LOS	D											
Intersection V/C	0.875											

Intersection Level Of Service Report
Intersection 3: 1st Avenue/Huntington Drive

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.711

Intersection Setup

Name	1st Avenue			1st Avenue			Huntington Drive			Huntington Drive		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	0	1	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	1
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
Speed [mph]	35.00			35.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	1st Avenue			1st Avenue			Huntington Drive			Huntington Drive		
Base Volume Input [veh/h]	130	124	66	60	77	50	60	750	68	72	1312	120
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	130	124	66	60	77	50	60	750	68	72	1312	120
Peak Hour Factor	0.9570	0.9570	0.9570	0.9570	0.9570	0.9570	0.9570	0.9570	0.9570	0.9570	0.9570	0.9570
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	34	32	17	16	20	13	16	196	18	19	343	31
Total Analysis Volume [veh/h]	136	130	69	63	80	52	63	784	71	75	1371	125
Pedestrian Volume [ped/h]	24			7			22			16		
Bicycle Volume [bicycles/h]	3			1			7			3		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	ProtPer	Permiss	Permiss	ProtPer	Permiss	Permiss	ProtPer	Permiss	Permiss	ProtPer	Permiss	Permiss
Signal Group	1	6	0	5	2	0	3	8	0	7	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.08	0.11	0.11	0.04	0.07	0.07	0.04	0.24	0.24	0.04	0.42	0.42
Intersection LOS	C											
Intersection V/C	0.711											

Intersection Level Of Service Report
Intersection 4: 2nd Avenue/Huntington Drive

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.721

Intersection Setup

Name	2nd Avenue			2nd Avenue			Huntington Drive			Huntington Drive		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	1	1	0	0
Entry Pocket Length [ft]	85.00	100.00	100.00	100.00	100.00	100.00	80.00	100.00	100.00	75.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	35.00			35.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	2nd Avenue			2nd Avenue			Huntington Drive			Huntington Drive		
Base Volume Input [veh/h]	142	298	202	103	253	104	64	779	84	160	1282	93
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	142	298	202	103	253	104	64	779	84	160	1282	93
Peak Hour Factor	0.9430	0.9430	0.9430	0.9430	0.9430	0.9430	0.9430	0.9430	0.9430	0.9430	0.9430	0.9430
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	38	79	54	27	67	28	17	207	22	42	340	25
Total Analysis Volume [veh/h]	151	316	214	109	268	110	68	826	89	170	1359	99
Pedestrian Volume [ped/h]	18			17			1			13		
Bicycle Volume [bicycles/h]	2			0			1			2		

Intersection Settings

Cycle Length [s]	240
Lost time [s]	10.00

Phasing & Timing

Control Type	ProtPer	Permiss	Overlap	ProtPer	Permiss	Permiss	ProtPer	Permiss	Permiss	ProtPer	Permiss	Permiss
Signal Group	1	6	6	5	2	0	3	8	0	7	4	0
Auxiliary Signal Groups			6,7									
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.08	0.18	0.12	0.06	0.11	0.11	0.04	0.23	0.05	0.09	0.41	0.41
Intersection LOS	C											
Intersection V/C	0.721											

Intersection Level Of Service Report
Intersection 5: Gateway Drive/Huntington Drive

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.512

Intersection Setup

Name	Gateway Drive			Gateway Drive			Huntington Drive			Huntington Drive		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	1	1	0	0	1	0	0	1	0	0
Entry Pocket Length [ft]	100.00	100.00	50.00	75.00	100.00	100.00	35.00	100.00	100.00	60.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	25.00			25.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Gateway Drive			Gateway Drive			Huntington Drive			Huntington Drive		
Base Volume Input [veh/h]	38	1	23	52	2	53	43	933	26	51	1376	44
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	38	1	23	52	2	53	43	933	26	51	1376	44
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	10	0	6	13	1	13	11	233	7	13	344	11
Total Analysis Volume [veh/h]	38	1	23	52	2	53	43	933	26	51	1376	44
Pedestrian Volume [ped/h]	31			12			1			3		
Bicycle Volume [bicycles/h]	0			2			0			0		

Intersection Settings

Cycle Length [s]	240
Lost time [s]	10.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	ProtPer	Permiss	Permiss	ProtPer	Permiss	Permiss
Signal Group	0	6	0	0	2	0	3	8	0	7	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	Lead	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.02	0.01	0.01	0.03	0.03	0.03	0.02	0.27	0.27	0.03	0.39	0.39
Intersection LOS	A											
Intersection V/C	0.512											

Intersection Level Of Service Report
Intersection 6: 5th Avenue/Huntington Drive

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.773

Intersection Setup

Name	5th Avenue			5th Avenue			Huntington Drive			Huntington Drive		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	0	1	0	1
Entry Pocket Length [ft]	75.00	100.00	100.00	140.00	100.00	100.00	55.00	100.00	100.00	155.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	25.00			30.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	5th Avenue			5th Avenue			Huntington Drive			Huntington Drive		
Base Volume Input [veh/h]	21	17	43	291	36	92	112	821	48	120	1418	259
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	21	17	43	291	36	92	112	821	48	120	1418	259
Peak Hour Factor	0.9840	0.9840	0.9840	0.9840	0.9840	0.9840	0.9840	0.9840	0.9840	0.9840	0.9840	0.9840
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	5	4	11	74	9	23	28	209	12	30	360	66
Total Analysis Volume [veh/h]	21	17	44	296	37	93	114	834	49	122	1441	263
Pedestrian Volume [ped/h]	15			7			4			25		
Bicycle Volume [bicycles/h]	0			1			3			1		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	6	0	0	2	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.01	0.03	0.03	0.16	0.07	0.07	0.06	0.25	0.25	0.07	0.40	0.15
Intersection LOS	C											
Intersection V/C	0.773											

Intersection Level Of Service Report
Intersection 7: I-210 SB ramps/Huntington Drive

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.714

Intersection Setup

Name	I-210 SB ramps			I-210 SB ramps			Huntington Drive			Huntington Drive		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	1	1	0	1	0	0	0	1	0	1
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	2
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
Speed [mph]	25.00			30.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			No		

Volumes

Name	I-210 SB ramps			I-210 SB ramps			Huntington Drive			Huntington Drive		
Base Volume Input [veh/h]	56	0	63	231	15	198	0	1099	50	49	1571	136
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	2.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	56	0	63	231	15	198	0	1099	50	49	1571	136
Peak Hour Factor	0.9640	1.0000	0.9640	0.9640	0.9640	0.9640	1.0000	0.9640	0.9640	0.9640	0.9640	0.9640
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	15	0	16	60	4	51	0	285	13	13	407	35
Total Analysis Volume [veh/h]	58	0	65	240	16	205	0	1140	52	51	1630	141
Pedestrian Volume [ped/h]	12			4			0			0		
Bicycle Volume [bicycles/h]	0			1			0			0		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Split	Permiss	Split	Split	Split	Split	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	1	0	0	0	2	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	-	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.03	0.00	0.04	0.07	0.07	0.11	0.00	0.22	0.22	0.03	0.45	0.08
Intersection LOS	C											
Intersection V/C	0.714											

The Derby Mixed-Use Project

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Scenario 6 Horizon Year (2040) plus Project
Report File: P:\...\HY+P PM_3.pdf
7/17/2023

Intersection Analysis Summary

ID	Intersection Name	Control Type	Method	Worst Mvmt	V/C	Delay (s/veh)	LOS
1	2nd Avenue/Santa Clara Street	Signalized	ICU 1	EB Thru	0.538	-	A
2	Santa Anita Avenue/Huntington Drive	Signalized	ICU 1	EB Thru	0.819	-	D
3	1st Avenue/Huntington Drive	Signalized	ICU 1	EB Thru	0.825	-	D
4	2nd Avenue/Huntington Drive	Signalized	ICU 1	EB Thru	0.851	-	D
5	Gateway Drive/Huntington Drive	Signalized	ICU 1	EB Thru	0.705	-	C
6	5th Avenue/Huntington Drive	Signalized	ICU 1	EB Thru	0.900	-	D
7	I-210 SB ramps/Huntington Drive	Signalized	ICU 1	EB Thru	0.691	-	B

V/C, Delay, LOS: For two-way stop, these values are taken from the movement with the worst (highest) delay value. For all other control types, they are taken for the whole intersection.

Intersection Level Of Service Report
Intersection 1: 2nd Avenue/Santa Clara Street

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.538

Intersection Setup

Name	2nd Avenue			2nd Avenue			Santa Clara Street			Santa Clara Street		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	0	1	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	50.00	100.00	100.00	40.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	1	0	0	0	0	0	0	0	0	1
Exit Pocket Length [ft]	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	150.00
Speed [mph]	35.00			35.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	2nd Avenue			2nd Avenue			Santa Clara Street			Santa Clara Street		
Base Volume Input [veh/h]	50	255	74	122	372	31	26	254	57	82	133	48
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	50	255	74	122	372	31	26	254	57	82	133	48
Peak Hour Factor	0.8860	0.8860	0.8860	0.8860	0.8860	0.8860	0.8860	0.8860	0.8860	0.8860	0.8860	0.8860
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	14	72	21	34	105	9	7	72	16	23	38	14
Total Analysis Volume [veh/h]	56	288	84	138	420	35	29	287	64	93	150	54
Pedestrian Volume [ped/h]	14			11			6			5		
Bicycle Volume [bicycles/h]	5			4			3			3		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	6	0	0	2	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-

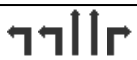
Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.03	0.10	0.10	0.08	0.13	0.13	0.02	0.20	0.20	0.05	0.11	0.11
Intersection LOS	A											
Intersection V/C	0.538											

Intersection Level Of Service Report
Intersection 2: Santa Anita Avenue/Huntington Drive

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	D
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.819

Intersection Setup

Name	Santa Anita Avenue			Santa Anita Avenue			Huntington Drive			Huntington Drive		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	2	0	1	2	0	1	1	0	1	1	0	1
Entry Pocket Length [ft]	150.00	100.00	100.00	150.00	100.00	100.00	145.00	100.00	100.00	100.00	100.00	30.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	1
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
Speed [mph]	35.00			35.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Santa Anita Avenue			Santa Anita Avenue			Huntington Drive			Huntington Drive		
Base Volume Input [veh/h]	204	679	191	173	651	97	72	1290	565	146	783	175
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	204	679	191	173	651	97	72	1290	565	146	783	175
Peak Hour Factor	0.9650	0.9650	0.9650	0.9650	0.9650	0.9650	0.9650	0.9650	0.9650	0.9650	0.9650	0.9650
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	53	176	49	45	169	25	19	334	146	38	203	45
Total Analysis Volume [veh/h]	211	704	198	179	675	101	75	1337	585	151	811	181
Pedestrian Volume [ped/h]	28			15			20			12		
Bicycle Volume [bicycles/h]	3			1			7			1		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Protecte	Permiss	Overlap	Protecte	Permiss	Overlap	ProtPer	Permiss	Overlap	ProtPer	Permiss	Overlap
Signal Group	1	6	6	5	2	2	3	8	8	7	4	4
Auxiliary Signal Groups			6,7			2,3			1,8			4,5
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.07	0.20	0.11	0.06	0.19	0.06	0.04	0.37	0.26	0.08	0.23	0.05
Intersection LOS	D											
Intersection V/C	0.819											

Intersection Level Of Service Report
Intersection 3: 1st Avenue/Huntington Drive

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	D
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.825

Intersection Setup

Name	1st Avenue			1st Avenue			Huntington Drive			Huntington Drive		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	0	1	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	1
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
Speed [mph]	35.00			35.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	1st Avenue			1st Avenue			Huntington Drive			Huntington Drive		
Base Volume Input [veh/h]	62	97	107	189	138	85	58	1495	69	96	984	99
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	62	97	107	189	138	85	58	1495	69	96	984	99
Peak Hour Factor	0.9890	0.9890	0.9890	0.9890	0.9890	0.9890	0.9890	0.9890	0.9890	0.9890	0.9890	0.9890
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	16	25	27	48	35	21	15	378	17	24	249	25
Total Analysis Volume [veh/h]	63	98	108	191	140	86	59	1512	70	97	995	100
Pedestrian Volume [ped/h]	24			7			22			16		
Bicycle Volume [bicycles/h]	3			1			7			3		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	ProtPer	Permiss	Permiss	ProtPer	Permiss	Permiss	ProtPer	Permiss	Permiss	ProtPer	Permiss	Permiss
Signal Group	1	6	0	5	2	0	3	8	0	7	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.04	0.11	0.11	0.11	0.13	0.13	0.03	0.44	0.44	0.05	0.30	0.30
Intersection LOS	D											
Intersection V/C	0.825											

Intersection Level Of Service Report
Intersection 4: 2nd Avenue/Huntington Drive

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	D
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.851

Intersection Setup

Name	2nd Avenue			2nd Avenue			Huntington Drive			Huntington Drive		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	1	1	0	0
Entry Pocket Length [ft]	85.00	100.00	100.00	100.00	100.00	100.00	80.00	100.00	100.00	75.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	35.00			35.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	2nd Avenue			2nd Avenue			Huntington Drive			Huntington Drive		
Base Volume Input [veh/h]	68	236	241	139	296	104	75	1598	101	213	1023	110
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	68	236	241	139	296	104	75	1598	101	213	1023	110
Peak Hour Factor	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	18	62	63	36	77	27	20	418	26	56	268	29
Total Analysis Volume [veh/h]	71	247	252	146	310	109	79	1673	106	223	1071	115
Pedestrian Volume [ped/h]	18			17			1			13		
Bicycle Volume [bicycles/h]	2			0			1			2		

Intersection Settings

Cycle Length [s]	240
Lost time [s]	10.00

Phasing & Timing

Control Type	ProtPer	Permiss	Overlap	ProtPer	Permiss	Permiss	ProtPer	Permiss	Permiss	ProtPer	Permiss	Permiss
Signal Group	1	6	6	5	2	0	3	8	0	7	4	0
Auxiliary Signal Groups			6,7									
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.04	0.14	0.14	0.08	0.12	0.12	0.04	0.46	0.06	0.12	0.33	0.33
Intersection LOS	D											
Intersection V/C	0.851											

Intersection Level Of Service Report
Intersection 5: Gateway Drive/Huntington Drive

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.705

Intersection Setup

Name	Gateway Drive			Gateway Drive			Huntington Drive			Huntington Drive		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	1	1	0	0	1	0	0	1	0	0
Entry Pocket Length [ft]	100.00	100.00	50.00	75.00	100.00	100.00	35.00	100.00	100.00	60.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	25.00			25.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Gateway Drive			Gateway Drive			Huntington Drive			Huntington Drive		
Base Volume Input [veh/h]	86	2	37	69	4	86	77	1755	54	59	1175	52
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	86	2	37	69	4	86	77	1755	54	59	1175	52
Peak Hour Factor	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550	0.9550
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	23	1	10	18	1	23	20	459	14	15	308	14
Total Analysis Volume [veh/h]	90	2	39	72	4	90	81	1838	57	62	1230	54
Pedestrian Volume [ped/h]	31			12			1			3		
Bicycle Volume [bicycles/h]	0			2			0			0		

Intersection Settings

Cycle Length [s]	240
Lost time [s]	10.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	ProtPer	Permiss	Permiss	ProtPer	Permiss	Permiss
Signal Group	0	6	0	0	2	0	3	8	0	7	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	Lead	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.05	0.02	0.02	0.04	0.05	0.05	0.05	0.53	0.53	0.03	0.36	0.36
Intersection LOS	C											
Intersection V/C	0.705											

Intersection Level Of Service Report
Intersection 6: 5th Avenue/Huntington Drive

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	D
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.900

Intersection Setup

Name	5th Avenue			5th Avenue			Huntington Drive			Huntington Drive		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	0	1	0	1
Entry Pocket Length [ft]	75.00	100.00	100.00	140.00	100.00	100.00	55.00	100.00	100.00	155.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	25.00			30.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	5th Avenue			5th Avenue			Huntington Drive			Huntington Drive		
Base Volume Input [veh/h]	53	26	152	245	20	134	99	1760	19	36	1143	194
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	53	26	152	245	20	134	99	1760	19	36	1143	194
Peak Hour Factor	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	14	7	40	64	5	35	26	463	5	9	301	51
Total Analysis Volume [veh/h]	56	27	160	258	21	141	104	1853	20	38	1203	204
Pedestrian Volume [ped/h]	15			7			4			25		
Bicycle Volume [bicycles/h]	0			1			3			1		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	6	0	0	2	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.03	0.10	0.10	0.14	0.09	0.09	0.06	0.52	0.52	0.02	0.33	0.11
Intersection LOS	D											
Intersection V/C	0.900											

Intersection Level Of Service Report
Intersection 7: I-210 SB ramps/Huntington Drive

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	B
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.691

Intersection Setup

Name	I-210 SB ramps			I-210 SB ramps			Huntington Drive			Huntington Drive		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	1	1	0	1	0	0	0	1	0	1
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	2
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
Speed [mph]	25.00			30.00			35.00			35.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			No		

Volumes

Name	I-210 SB ramps			I-210 SB ramps			Huntington Drive			Huntington Drive		
Base Volume Input [veh/h]	54	0	66	296	15	88	0	2093	40	48	1277	64
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	2.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	54	0	66	296	15	88	0	2093	40	48	1277	64
Peak Hour Factor	0.9400	1.0000	0.9400	0.9400	0.9400	0.9400	1.0000	0.9400	0.9400	0.9400	0.9400	0.9400
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	14	0	18	79	4	23	0	557	11	13	340	17
Total Analysis Volume [veh/h]	57	0	70	315	16	94	0	2227	43	51	1359	68
Pedestrian Volume [ped/h]	12			4			0			0		
Bicycle Volume [bicycles/h]	0			1			0			0		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Split	Permiss	Split	Split	Split	Split	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	1	0	0	0	2	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	-	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.03	0.00	0.04	0.09	0.09	0.05	0.00	0.42	0.42	0.03	0.38	0.04
Intersection LOS	B											
Intersection V/C	0.691											

Appendix C

SimTraffic Queuing Worksheets

Intersection: 5: Gateway Drive & Huntington Drive

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	L	TR	L	TR
Maximum Queue (ft)	60	177	198	72	340	366	48	43	38	47
Average Queue (ft)	22	77	99	26	144	159	16	11	7	13
95th Queue (ft)	58	155	183	64	318	328	44	36	29	38
Link Distance (ft)		195	195		620	620	197			80
Upstream Blk Time (%)		0	0							
Queuing Penalty (veh)		0	1							
Storage Bay Dist (ft)	35			60				50	75	
Storage Blk Time (%)	9	15		0	12		1	0		
Queuing Penalty (veh)	29	4		1	5		0	0		

Intersection: 5: Gateway Drive & Huntington Drive

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	L	TR	L	TR
Maximum Queue (ft)	60	213	225	84	255	249	97	72	57	63
Average Queue (ft)	25	140	154	36	126	136	41	19	21	30
95th Queue (ft)	60	245	249	81	239	246	82	54	53	59
Link Distance (ft)		195	195		620	620	197			80
Upstream Blk Time (%)		4	5						0	0
Queuing Penalty (veh)		28	40						0	0
Storage Bay Dist (ft)	35			60				50	75	
Storage Blk Time (%)	8	22		1	12		10	2	0	0
Queuing Penalty (veh)	56	10		6	6		3	1	0	0

Intersection: 5: Gateway Drive & Huntington Drive

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	L	TR	L	TR
Maximum Queue (ft)	60	201	207	84	331	329	66	50	40	48
Average Queue (ft)	21	90	104	32	140	154	18	14	8	11
95th Queue (ft)	55	190	200	75	312	323	51	42	31	37
Link Distance (ft)		195	195		620	620	197			80
Upstream Blk Time (%)		1	1							
Queuing Penalty (veh)		3	4							
Storage Bay Dist (ft)	35			60				50	75	
Storage Blk Time (%)	9	15		0	13		2	0		
Queuing Penalty (veh)	35	4		2	5		0	0		

Intersection: 8: Huntington Drive & South Driveway (A)

Movement	EB	EB	EB	WB	WB	SB
Directions Served	L	T	T	T	TR	LR
Maximum Queue (ft)	24	46	86	120	125	31
Average Queue (ft)	1	3	6	11	18	4
95th Queue (ft)	12	25	41	62	74	20
Link Distance (ft)		308	308	195	195	236
Upstream Blk Time (%)				0	0	
Queuing Penalty (veh)				0	0	
Storage Bay Dist (ft)	50					
Storage Blk Time (%)	0	0				
Queuing Penalty (veh)	0	0				

Intersection: 9: Gateway Drive

Movement
Directions Served
Maximum Queue (ft)
Average Queue (ft)
95th Queue (ft)
Link Distance (ft)
Upstream Blk Time (%)
Queuing Penalty (veh)
Storage Bay Dist (ft)
Storage Blk Time (%)
Queuing Penalty (veh)

Intersection: 10: Gateway Drive

Movement
Directions Served
Maximum Queue (ft)
Average Queue (ft)
95th Queue (ft)
Link Distance (ft)
Upstream Blk Time (%)
Queuing Penalty (veh)
Storage Bay Dist (ft)
Storage Blk Time (%)
Queuing Penalty (veh)

Zone Summary

Zone wide Queuing Penalty: 55

Intersection: 5: Gateway Drive & Huntington Drive

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	L	TR	L	TR
Maximum Queue (ft)	60	206	210	84	285	294	116	73	60	79
Average Queue (ft)	27	124	141	37	129	146	45	23	24	32
95th Queue (ft)	59	233	238	78	274	285	89	61	53	64
Link Distance (ft)		195	195		620	620	197			80
Upstream Blk Time (%)		3	4						0	1
Queuing Penalty (veh)		21	30						0	1
Storage Bay Dist (ft)	35			60				50	75	
Storage Blk Time (%)	8	19		1	12		12	3	0	1
Queuing Penalty (veh)	63	8		6	6		4	2	0	0

Intersection: 8: Huntington Drive & South Driveway (A)

Movement	EB	EB	EB	WB	WB	SB
Directions Served	L	T	T	T	TR	LR
Maximum Queue (ft)	65	214	229	26	33	60
Average Queue (ft)	15	38	49	2	2	18
95th Queue (ft)	48	145	168	17	18	50
Link Distance (ft)		308	308	195	195	236
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)	50					
Storage Blk Time (%)	1	3				
Queuing Penalty (veh)	7	1				

Intersection: 9: Gateway Drive

Movement	SB
Directions Served	TR
Maximum Queue (ft)	13
Average Queue (ft)	1
95th Queue (ft)	8
Link Distance (ft)	27
Upstream Blk Time (%)	0
Queuing Penalty (veh)	0
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 10: Gateway Drive

Movement	SB
Directions Served	TR
Maximum Queue (ft)	6
Average Queue (ft)	0
95th Queue (ft)	4
Link Distance (ft)	217
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Zone Summary

Zone wide Queuing Penalty: 150

Intersection: 5: Gateway Drive & Huntington Drive

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	L	TR	L	TR
Maximum Queue (ft)	59	204	208	84	388	399	72	56	66	68
Average Queue (ft)	30	105	121	29	163	183	21	13	27	26
95th Queue (ft)	62	195	213	71	347	362	54	41	61	57
Link Distance (ft)		195	195		620	620	197			80
Upstream Blk Time (%)		1	1						0	0
Queuing Penalty (veh)		2	6						0	0
Storage Bay Dist (ft)	35			60				50	75	
Storage Blk Time (%)	15	17		1	15		2	0	1	0
Queuing Penalty (veh)	61	7		3	7		0	0	0	0

Intersection: 8: Huntington Drive & South Driveway (A)

Movement	EB	EB	EB	WB	WB	SB
Directions Served	L	T	T	T	TR	LR
Maximum Queue (ft)	66	103	90	189	185	131
Average Queue (ft)	24	7	6	28	37	44
95th Queue (ft)	56	48	39	121	135	101
Link Distance (ft)		308	308	195	195	236
Upstream Blk Time (%)				0	1	0
Queuing Penalty (veh)				3	5	0
Storage Bay Dist (ft)	50					
Storage Blk Time (%)	4	0				
Queuing Penalty (veh)	16	0				

Intersection: 9: Gateway Drive

Movement	EB	NB	SB
Directions Served	LR	LT	TR
Maximum Queue (ft)	31	12	12
Average Queue (ft)	13	1	1
95th Queue (ft)	38	8	8
Link Distance (ft)	143	80	27
Upstream Blk Time (%)			0
Queuing Penalty (veh)			0
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 10: Gateway Drive

Movement	EB	NB
Directions Served	LR	LT
Maximum Queue (ft)	50	12
Average Queue (ft)	24	0
95th Queue (ft)	46	6
Link Distance (ft)	148	27
Upstream Blk Time (%)		0
Queuing Penalty (veh)		0
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Zone Summary

Zone wide Queuing Penalty: 111

Intersection: 5: Gateway Drive & Huntington Drive

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	L	TR	L	TR
Maximum Queue (ft)	59	223	219	84	297	328	112	74	73	86
Average Queue (ft)	34	146	157	40	133	152	48	26	34	38
95th Queue (ft)	63	250	251	80	272	297	96	64	65	72
Link Distance (ft)		195	195		620	620	197			80
Upstream Blk Time (%)		4	6						0	1
Queuing Penalty (veh)		36	45						0	1
Storage Bay Dist (ft)	35			60				50	75	
Storage Blk Time (%)	15	22		2	13		13	3	1	1
Queuing Penalty (veh)	117	16		10	7		4	2	1	1

Intersection: 8: Huntington Drive & South Driveway (A)

Movement	EB	EB	EB	WB	WB	SB
Directions Served	L	T	T	T	TR	LR
Maximum Queue (ft)	73	225	248	61	85	149
Average Queue (ft)	30	59	64	4	6	44
95th Queue (ft)	64	180	190	31	41	109
Link Distance (ft)		308	308	195	195	236
Upstream Blk Time (%)		0	0			0
Queuing Penalty (veh)		0	0			0
Storage Bay Dist (ft)	50					
Storage Blk Time (%)	4	5				
Queuing Penalty (veh)	34	3				

Intersection: 9: Gateway Drive

Movement	EB	NB	SB
Directions Served	LR	LT	TR
Maximum Queue (ft)	30	44	31
Average Queue (ft)	13	4	2
95th Queue (ft)	38	24	14
Link Distance (ft)	143	80	27
Upstream Blk Time (%)			0
Queuing Penalty (veh)			1
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 10: Gateway Drive

Movement	EB	NB	SB
Directions Served	LR	LT	TR
Maximum Queue (ft)	31	31	6
Average Queue (ft)	18	5	0
95th Queue (ft)	42	22	4
Link Distance (ft)	148	27	217
Upstream Blk Time (%)		0	
Queuing Penalty (veh)		0	
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Zone Summary

Zone wide Queuing Penalty: 278

Intersection: 5: Gateway Drive & Huntington Drive

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	L	TR	L	TR
Maximum Queue (ft)	60	207	208	84	505	514	74	61	44	66
Average Queue (ft)	26	102	116	31	236	248	22	13	13	21
95th Queue (ft)	60	201	213	81	517	530	58	44	39	55
Link Distance (ft)		195	195		620	620	197			80
Upstream Blk Time (%)		1	2		0	0				1
Queuing Penalty (veh)		6	8		2	3				0
Storage Bay Dist (ft)	35			60				50	75	
Storage Blk Time (%)	12	15		0	27		3	1		1
Queuing Penalty (veh)	56	5		2	14		1	0		0

Intersection: 8: Huntington Drive & South Driveway (A)

Movement	EB	EB	EB	WB	WB	SB
Directions Served	L	T	T	T	TR	LR
Maximum Queue (ft)	29	104	107	211	218	39
Average Queue (ft)	2	8	10	112	121	5
95th Queue (ft)	14	52	57	251	258	25
Link Distance (ft)		308	308	195	195	236
Upstream Blk Time (%)				4	7	
Queuing Penalty (veh)				31	46	
Storage Bay Dist (ft)	50					
Storage Blk Time (%)	0	1				
Queuing Penalty (veh)	0	0				

Intersection: 9: Gateway Drive

Movement	SB
Directions Served	TR
Maximum Queue (ft)	6
Average Queue (ft)	0
95th Queue (ft)	4
Link Distance (ft)	27
Upstream Blk Time (%)	0
Queuing Penalty (veh)	0
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 10: Gateway Drive

Movement
Directions Served
Maximum Queue (ft)
Average Queue (ft)
95th Queue (ft)
Link Distance (ft)
Upstream Blk Time (%)
Queuing Penalty (veh)
Storage Bay Dist (ft)
Storage Blk Time (%)
Queuing Penalty (veh)

Zone Summary

Zone wide Queuing Penalty: 175

Intersection: 5: Gateway Drive & Huntington Drive

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	L	TR	L	TR
Maximum Queue (ft)	59	216	228	84	320	322	137	74	71	77
Average Queue (ft)	31	146	160	44	143	152	56	30	27	33
95th Queue (ft)	62	246	248	82	301	305	112	71	63	65
Link Distance (ft)		195	195		620	620	197			80
Upstream Blk Time (%)		5	6						0	0
Queuing Penalty (veh)		43	54						0	0
Storage Bay Dist (ft)	35			60				50	75	
Storage Blk Time (%)	12	25		4	14		14	3	1	0
Queuing Penalty (veh)	108	13		23	8		6	3	0	0

Intersection: 8: Huntington Drive & South Driveway (A)

Movement	EB	EB	EB	WB	WB	SB
Directions Served	L	T	T	T	TR	LR
Maximum Queue (ft)	55	258	255	105	120	91
Average Queue (ft)	17	61	70	9	13	22
95th Queue (ft)	46	204	217	58	66	61
Link Distance (ft)		308	308	195	195	236
Upstream Blk Time (%)		0	0	0	0	
Queuing Penalty (veh)		1	0	0	0	
Storage Bay Dist (ft)	50					
Storage Blk Time (%)	1	5				
Queuing Penalty (veh)	7	1				

Intersection: 9: Gateway Drive

Movement	SB
Directions Served	TR
Maximum Queue (ft)	12
Average Queue (ft)	0
95th Queue (ft)	6
Link Distance (ft)	27
Upstream Blk Time (%)	0
Queuing Penalty (veh)	0
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 10: Gateway Drive

Movement	SB
Directions Served	TR
Maximum Queue (ft)	12
Average Queue (ft)	0
95th Queue (ft)	6
Link Distance (ft)	217
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Zone Summary

Zone wide Queuing Penalty: 267

Intersection: 5: Gateway Drive & Huntington Drive

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	L	TR	L	TR
Maximum Queue (ft)	60	209	209	84	522	521	101	63	67	89
Average Queue (ft)	30	109	121	34	269	291	28	18	29	36
95th Queue (ft)	62	213	220	82	563	582	71	51	62	74
Link Distance (ft)		195	195		620	620	197			80
Upstream Blk Time (%)		1	2		0	1			0	2
Queuing Penalty (veh)		6	10		2	5			0	3
Storage Bay Dist (ft)	35			60				50	75	
Storage Blk Time (%)	17	18		1	32		8	1	0	3
Queuing Penalty (veh)	79	8		4	16		2	0	0	1

Intersection: 8: Huntington Drive & South Driveway (A)

Movement	EB	EB	EB	WB	WB	SB
Directions Served	L	T	T	T	TR	LR
Maximum Queue (ft)	69	109	130	221	219	246
Average Queue (ft)	27	12	12	139	149	115
95th Queue (ft)	58	60	64	271	273	255
Link Distance (ft)		308	308	195	195	236
Upstream Blk Time (%)				7	10	16
Queuing Penalty (veh)				50	69	0
Storage Bay Dist (ft)	50					
Storage Blk Time (%)	3	1				
Queuing Penalty (veh)	14	0				

Intersection: 9: Gateway Drive

Movement	EB	NB	SB
Directions Served	LR	LT	TR
Maximum Queue (ft)	30	40	31
Average Queue (ft)	13	3	3
95th Queue (ft)	38	19	16
Link Distance (ft)	143	80	27
Upstream Blk Time (%)			1
Queuing Penalty (veh)			1
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 10: Gateway Drive

Movement	EB	NB	SB
Directions Served	LR	LT	TR
Maximum Queue (ft)	54	31	6
Average Queue (ft)	28	1	0
95th Queue (ft)	46	11	4
Link Distance (ft)	148	27	217
Upstream Blk Time (%)		0	
Queuing Penalty (veh)		0	
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Zone Summary

Zone wide Queuing Penalty: 270

Intersection: 5: Gateway Drive & Huntington Drive

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	L	TR	L	TR
Maximum Queue (ft)	59	215	226	84	330	345	118	74	71	97
Average Queue (ft)	38	153	163	42	167	180	49	30	37	41
95th Queue (ft)	68	250	253	83	319	335	100	73	68	79
Link Distance (ft)		195	195		620	620	197			80
Upstream Blk Time (%)		5	6						0	1
Queuing Penalty (veh)		45	61						0	2
Storage Bay Dist (ft)	35			60				50	75	
Storage Blk Time (%)	21	23		3	18		15	3	1	2
Queuing Penalty (veh)	185	18		16	10		6	2	1	1

Intersection: 8: Huntington Drive & South Driveway (A)

Movement	EB	EB	EB	WB	WB	SB
Directions Served	L	T	T	T	TR	LR
Maximum Queue (ft)	74	254	267	158	173	126
Average Queue (ft)	32	66	81	29	36	47
95th Queue (ft)	66	194	222	119	136	103
Link Distance (ft)		308	308	195	195	236
Upstream Blk Time (%)		0	0	0	0	
Queuing Penalty (veh)		0	0	1	2	
Storage Bay Dist (ft)	50					
Storage Blk Time (%)	4	5				
Queuing Penalty (veh)	42	3				

Intersection: 9: Gateway Drive

Movement	EB	NB	SB
Directions Served	LR	LT	TR
Maximum Queue (ft)	40	31	30
Average Queue (ft)	10	3	2
95th Queue (ft)	35	18	15
Link Distance (ft)	143	80	27
Upstream Blk Time (%)			1
Queuing Penalty (veh)			1
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 10: Gateway Drive

Movement	EB	NB	SB
Directions Served	LR	LT	TR
Maximum Queue (ft)	50	31	27
Average Queue (ft)	19	5	1
95th Queue (ft)	45	23	13
Link Distance (ft)	148	27	217
Upstream Blk Time (%)		0	
Queuing Penalty (veh)		0	
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Zone Summary

Zone wide Queuing Penalty: 398

Appendix D

SJVCOG VMT Screening Tool

SGVCOG VMT Evaluation Tool Report

Project Details

Timestamp of Analysis: June 17, 2022, 05:13:40 PM

Project Name: The Derby Mixed-Use Project

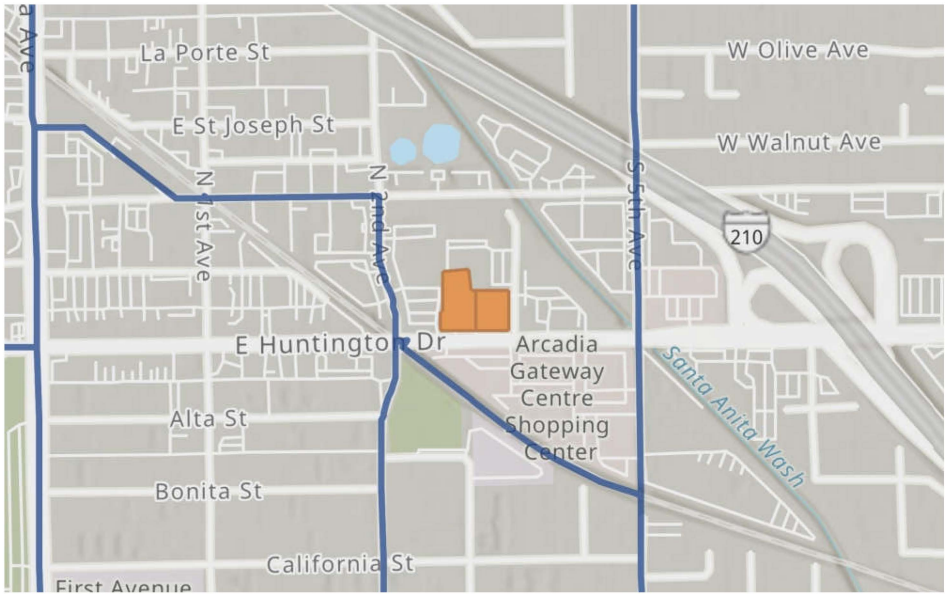
Project Description: Mixed-use project with 17,550 square feet of restaurant space and 214 multi-family units

Project Location

jurisdiction:
Arcadia

apn	TAZ
5773-009-065	22229100
5773-009-070	22229100

Inside a TPA?
Yes (Pass)



Analysis Details

Data Version: SCAG Regional Travel Demand Model 2016 RTP Base Year 2012

Analysis Methodology: TAZ

Baseline Year: 2022

Project Land Use

Residential:

Single Family DU:	214
Multifamily DU:	
Total DUs:	214

Non-Residential:

Office KSF:	
Local Serving Retail KSF:	17
Industrial KSF:	

Residential Affordability (percent of all units):

Extremely Low Income:	0 %
Very Low Income:	0 %
Low Income:	0 %

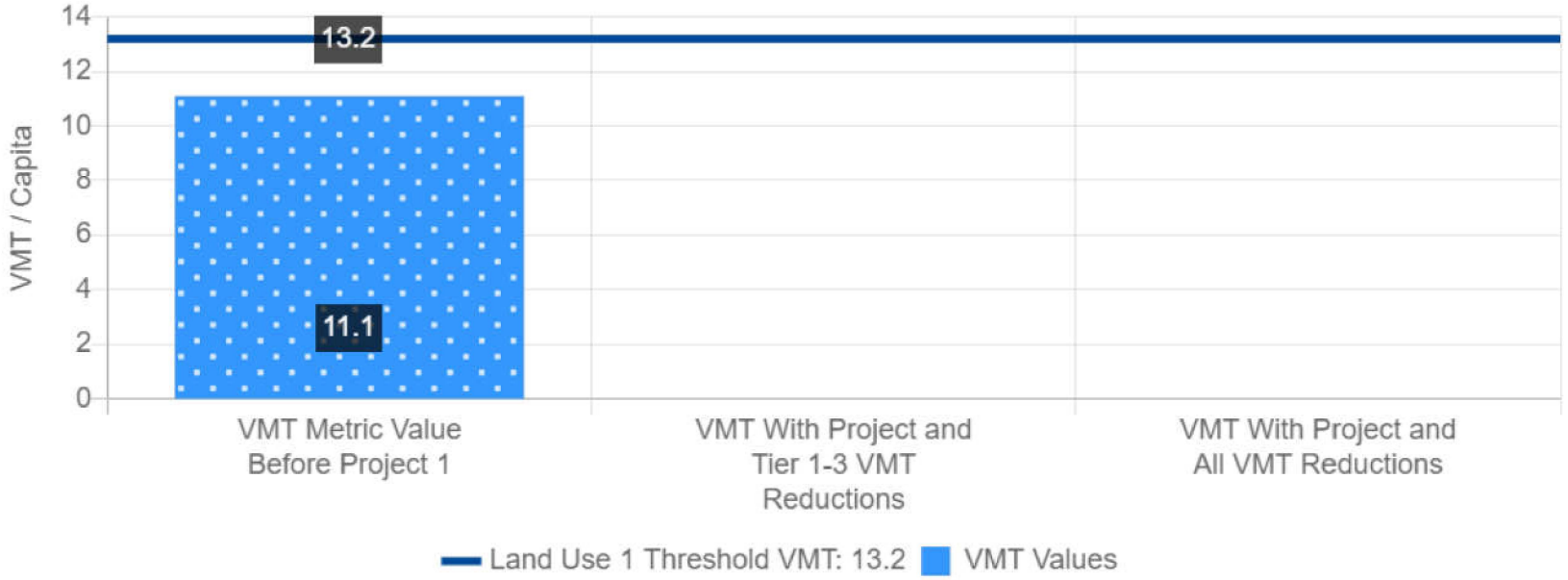
Parking:

Motor Vehicle Parking:	446
Bicycle Parking:	63

Residential Vehicle Miles Traveled (VMT) Screening Results

Land Use Type 1:	Residential
VMT Without Project 1:	Home-based VMT per Capita
VMT Baseline Description 1:	Subarea
VMT Baseline Value 1:	15.53
VMT Threshold Description 1:	-15%
Land Use 1 has been Pre-Screened by the Local Jurisdiction:	N/A

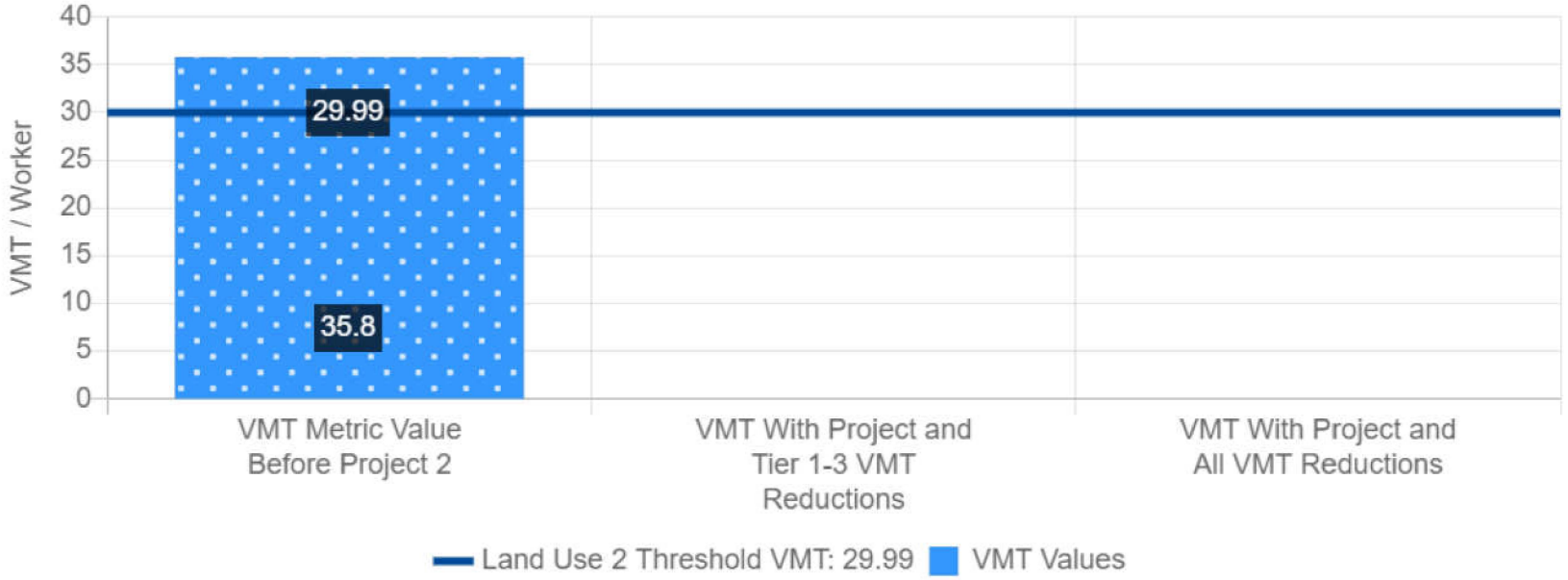
	Without Project	With Project & Tier 1-3 VMT Reductions	With Project & All VMT Reductions
Project Generated Vehicle Miles Traveled (VMT) Rate	11.1	null	null
Low VMT Screening Analysis	Yes (Pass)	null	null



Commercial Vehicle Miles Traveled (VMT) Screening Results

Land Use Type 2:	Commercial
VMT Without Project 2:	Total VMT per Service Population
VMT Baseline Description 2:	Subarea
VMT Baseline Value 2:	35.28
VMT Threshold Description 2:	-15%
Land Use 2 has been Pre-Screened by the Local Jurisdiction:	N/A

	Without Project	With Project & Tier 1-3 VMT Reductions	With Project & All VMT Reductions
Project Generated Vehicle Miles Traveled (VMT) Rate	35.8	null	null
Low VMT Screening Analysis	No (Fail)	null	null



Appendix K-1

Assembly Bill 52 Letters and Senate Bill 18 Letters

City of Arcadia

Development Services Department

Jason Kruckeberg
Assistant City Manager/ Development Services Director

October 25, 2022

Gabrieleño Band of Mission Indians – Kizh Nation
Andrew Salas, Chairman
[redacted]

Re: ***Formal Notification for The Derby Mixed-Use Project, Pursuant to Assembly Bill 52***

Dear Chairman Salas,

Pursuant to California Assembly Bill (AB) 52, the City of Arcadia (City) is providing you with formal notification of The Derby Mixed-Use Project (proposed Project), located in the City of Arcadia, in Los Angeles County, California. The City of Arcadia, as lead agency, is reaching out to all eligible tribal entities that have formally requested in writing AB 52 notification from the City for eligible projects under their jurisdiction. The City received your request for formal notification of proposed projects within your Tribe's traditional use area. This correspondence is intended as formal notification of the proposed project pursuant to AB 52.

The present notice includes:

- A description of the proposed project and location;
- Project Location figure;
- A summary of cultural resources work to date, and summary of associated information that can be made available upon request;
- A clear and definitive statement that the tribe has 30 days to request consultation; and
- The lead agency contact information.

Project Location and Description

The Project site is in the City of Arcadia at 233 and 301 East Huntington Drive and includes Assessor Parcel Numbers 5773-009-070 and 5773-009-065. The Project site is bound by Huntington Drive to the south, Gateway Drive to the east, and existing hotel uses to the north and west. The Project site includes approximately 2.23 acres, as shown on the attached Figure 1, Project Location.

The Project would involve the demolition of existing structures on the Project site, including a two-story restaurant building (The Derby) at 233 East Huntington Drive, a one-story restaurant building (Souplantation) at 301 East Hunting Drive, and the associated surface parking. The proposed Lot Line Adjustment would merge the two existing lots into one legal lot.

The Project would construct The Derby as a larger, two-story restaurant as part of a new, six-story mixed-use development consisting of restaurant, cafe, and multi-family residential uses. The Project's multifamily residential component would include a total of 214 for-rent dwelling units, including nine affordable units. The mixed-use building would front onto East Huntington Drive and would include a landscaped residential pool and

240 West Huntington Drive
Post Office Box 60021
Arcadia, CA 91066-6021
(626) 574-5415
(626) 447-3309 Fax
www.ArcadiaCA.gov

amenity space, including an approximately 4,800 square feet (sf) roof deck and 1,100 sf indoor amenity kitchen for residents. Additional residential amenities would include a 6,500 sf landscaped courtyard, herb garden, and shared outdoor cooking space as well as other interior residential amenities such as a fitness center, co-working space, and yoga room.

The Project would include one level of subterranean (i.e., basement level) parking for residents, as well as exterior and interior ground-level commercial and valet parking areas. The Project would provide a total of 414 parking spaces consisting of 241 residential and 173 commercial/valet spaces. Approximately 10% of the spaces provided would include Electric Vehicle (EV) charging stations. Off-site improvements would be required within the sidewalk and roadway rights-of-way along East Huntington Drive and Gateway Drive. These improvements would include modification and/or relocation of existing curb cuts, utility connections, removal of signage, street light relocation, and new/replacement street trees

Project Involves Ground Disturbance: Yes

Summary of Cultural Resources Work and Documentation

A CHRIS records search was performed at the South Central Coast Information Center (SCCIC). Results of the cultural resources records search indicated that twenty-four (24) previous cultural resource studies have been conducted between 1984 and 2015 within 1 mile of the proposed Project site. Of these studies, one (1) overlaps the proposed Project site. The entirety of the proposed Project site has been subjected to previous cultural resource investigations. The SCCIC records indicate that 122 cultural resources have been previously recorded within 1-mile of the proposed Project site. Of these 121 are historic built environment resources and one (1) is a historic-era archaeological resource; none overlap the Project site. No prehistoric cultural resources of a Native American nature have previously recorded within 1 mile of the Project site. Cultural resources documentation can be provided upon request. Please note, this information should be considered confidential and is not to be redistributed to individuals without traditional or cultural affiliation.

Consultation Request

If you have any comments or concerns regarding potential impacts to tribal cultural resources (as defined in Public Resources Code § 21074) in relation to the proposed Project, or would like to request any additional information, please contact the City of Arcadia at the address below or via email to Ms. Fiona Graham, Planning Services Manager (fgraham@arcadiaca.gov). All requests for formal tribal consultation, pursuant to AB-52, must be received within 30 days of receipt of this notice. Please include in any request the name of the designated lead contact person.

Sincerely,



Ms. Fiona Graham, Planning Services Manager
City of Arcadia Planning Division
Attn: The Derby Mixed-Use Project
P.O. Box 60021
Arcadia, CA 91066-6021

Attachments: Figure 1, Project Location

From: Fiona Graham
Sent: Tuesday, October 25, 2022 1:57 PM
To: '[redacted]'
Cc: Lisa Flores
Subject: AB 52 Letter - The Derby Mixed-Use Project
Attachments: AB-52 TheDerby_Gabrieleno Band of Mission Indians – Kizh Nation.pdf; Fig1 _ProjectLocation.pdf

Good afternoon Mr. Salas,

Please find attached an AB 52 notification letter for The Derby Mixed-Use Project in Arcadia.

A hard copy has been sent via Certified Mail today.

Regards,

Fiona Graham
Planning Services Manager | City of Arcadia
240 W. Huntington Dr. | Arcadia, CA 91007
(626) 574-5442 | fgraham@ArcadiaCA.gov

City of Arcadia

Development Services Department

Jason Kruckeberg
Assistant City Manager/ Development Services Director

October 25, 2022

Gabrielino Tongva Indian Tribe
Linda Candelaria, Co-Chairwoman
[redacted]

Re: ***Formal Notification for The Derby Mixed-Use Project, Pursuant to Assembly Bill 52***

Dear Director Dunlap,

Pursuant to California Assembly Bill (AB) 52, the City of Arcadia (City) is providing you with formal notification of The Derby Mixed-Use Development Project (proposed Project), located in the City of Arcadia, in Los Angeles County, California. The City of Arcadia, as lead agency, is reaching out to all eligible tribal entities that have formally requested in writing AB 52 notification from the City for eligible projects under their jurisdiction. The City received your request for formal notification of proposed projects within your Tribe's traditional use area. This correspondence is intended as formal notification of the proposed project pursuant to AB 52.

The present notice includes:

- A description of the proposed project and location;
- Project Location figure;
- A summary of cultural resources work to date, and summary of associated information that can be made available upon request;
- A clear and definitive statement that the tribe has 30 days to request consultation; and
- The lead agency contact information.

Project Location and Description

The Project site is in the City of Arcadia at 233 and 301 East Huntington Drive and includes Assessor Parcel Numbers 5773-009-070 and 5773-009-065. The Project site is bound by Huntington Drive to the south, Gateway Drive to the east, and existing hotel uses to the north and west. The Project site includes approximately 2.23 acres, as shown on the attached Figure 1, Project Location.

The Project would involve the demolition of existing structures on the Project site, including a two-story restaurant building (The Derby) at 233 East Huntington Drive, a one-story restaurant building (Souplantation) at 301 East Hunting Drive, and the associated surface parking. The proposed Lot Line Adjustment would merge the two existing lots into one legal lot.

The Project would construct The Derby as a larger, two-story restaurant as part of a new, six-story mixed-use development consisting of restaurant, cafe, and multi-family residential uses. The Project's multifamily residential component would include a total of 214 for-rent dwelling units, including nine affordable units. The mixed-use building would front onto East Huntington Drive and would include a landscaped residential pool

240 West Huntington Drive
Post Office Box 60021
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(626) 574-5415
(626) 447-3309 Fax
www.ArcadiaCA.gov

and amenity space, including an approximately 4,800 square feet (sf) roof deck and 1,100 sf indoor amenity kitchen for residents. Additional residential amenities would include a 6,500 sf landscaped courtyard, herb garden, and shared outdoor cooking space as well as other interior residential amenities such as a fitness center, co-working space, and yoga room.

The Project would include one level of subterranean (i.e., basement level) parking for residents, as well as exterior and interior ground-level commercial and valet parking areas. The Project would provide a total of 414 parking spaces consisting of 241 residential and 173 commercial/valet spaces. Approximately 10% of the spaces provided would include Electric Vehicle (EV) charging stations. Off-site improvements would be required within the sidewalk and roadway rights-of-way along East Huntington Drive and Gateway Drive. These improvements would include modification and/or relocation of existing curb cuts, utility connections, removal of signage, street light relocation, and new/replacement street trees

Project Involves Ground Disturbance: Yes

Summary of Cultural Resources Work and Documentation

A CHRIS records search was performed at the South Central Coast Information Center (SCCIC). Results of the cultural resources records search indicated that twenty-four (24) previous cultural resource studies have been conducted between 1984 and 2015 within 1 mile of the proposed Project site. Of these studies, one (1) overlaps the proposed Project site. The entirety of the proposed Project site has been subjected to previous cultural resource investigations. The SCCIC records indicate that 122 cultural resources have been previously recorded within 1-mile of the proposed Project site. Of these 121 are historic built environment resources and one (1) is a historic-era archaeological resource; none overlap the Project site. No prehistoric cultural resources of a Native American nature have previously recorded within 1 mile of the Project site. Cultural resources documentation can be provided upon request. Please note, this information should be considered confidential and is not to be redistributed to individuals without traditional or cultural affiliation.

Consultation Request

If you have any comments or concerns regarding potential impacts to tribal cultural resources (as defined in Public Resources Code § 21074) in relation to the proposed Project, or would like to request any additional information, please contact the City of Arcadia at the address below or via email to Ms. Fiona Graham, Planning Services Manager (fgraham@arcadiaca.gov). All requests for formal tribal consultation, pursuant to AB-52, must be received within 30 days of receipt of this notice. Please include in any request the name of the designated lead contact person.

Sincerely,



Ms. Fiona Graham, Planning Services Manager
City of Arcadia Planning Division
Attn: The Derby Mixed-Use Project
P.O. Box 60021
Arcadia, CA 91066-6021

Attachments: Figure 1, Project Location

From: Fiona Graham
Sent: Tuesday, October 25, 2022 1:59 PM
To: '[redacted]'
Cc: Lisa Flores
Subject: AB 52 Letter - The Derby Mixed-Use Project
Attachments: Fig1_ProjectLocation.pdf; AB-52 TheDerby_Gabrielino Tongva Tribe.pdf

Good afternoon Ms. Candelaria,

Please find attached an AB 52 notification letter for The Derby Mixed-Use Project in Arcadia.

A hard copy has been sent via Certified Mail today.

Regards,

Fiona Graham
Planning Services Manager | City of Arcadia
240 W. Huntington Dr. | Arcadia, CA 91007
(626) 574-5442 | fgraham@ArcadiaCA.gov

City of Arcadia

Development Services Department

Jason Kruckeberg
Assistant City Manager/ Development Services Director

December 1, 2022

Gabrieleno Band of Mission Indians - Kizh Nation
Andrew Salas, Chairperson
[redacted]

Re: ***Formal Notification for The Derby Mixed-Use Project, Pursuant to Senate Bill 18***

Dear Mr. Salas,

The Native American Heritage Commission (NAHC) has identified your tribe as one with traditional lands or cultural places located within the boundary of the proposed The Derby Mixed-Use Project (proposed Project). The proposed Project requires amendments to the City General Plan and is therefore subject to SB 18 (Government Code Section 65352.3). This letter serves as a formal notification and invitation to consult with the City of Arcadia (City) on the proposed Project pursuant to SB 18.

The present notice includes:

- A description of the proposed project and location;
- Project Location figure;
- A summary of cultural resources work to date, and summary of associated information that can be made available upon request;
- A clear and definitive statement that the tribe has 90 days to request consultation; and
- The lead agency contact information.

Project Location and Description

The Project site is in the City of Arcadia at 233 and 301 East Huntington Drive and includes Assessor Parcel Numbers 5773-009-070 and 5773-009-065. The Project site is bound by Huntington Drive to the south, Gateway Drive to the east, and existing hotel uses to the north and west. The Project site includes approximately 2.23 acres, as shown on the attached Figure 1, Project Location.

The Project would involve the demolition of existing structures on the Project site, including a two-story restaurant building (The Derby) at 233 East Huntington Drive, a one-story restaurant building (Souplantation) at 301 East Hunting Drive, and the associated surface parking. The proposed Lot Line Adjustment would merge the two existing lots into one legal lot.

The Project would construct The Derby as a larger, two-story restaurant as part of a new, six-story mixed-use development consisting of restaurant, cafe, and multi-family residential uses. The Project's multifamily residential component would include a total of 214 for-rent dwelling units, including nine affordable units. The mixed-use building would front onto East Huntington Drive and would include a landscaped residential pool and amenity space, including an approximately 4,800 square feet (sf) roof deck and 1,100 sf indoor amenity kitchen for residents. Additional residential amenities would include a 6,500 sf landscaped courtyard, herb garden, and shared outdoor cooking space as well as

240 West Huntington Drive
Post Office Box 60021
Arcadia, CA 91066-6021
(626) 574-5415
(626) 447-3309 Fax
www.ArcadiaCA.gov

other interior residential amenities such as a fitness center, co-working space, and yoga room.

The Project would include one level of subterranean (i.e., basement level) parking for residents, as well as exterior and interior ground-level commercial and valet parking areas. The Project would provide a total of 414 parking spaces consisting of 241 residential and 173 commercial/valet spaces. Approximately 10% of the spaces provided would include Electric Vehicle (EV) charging stations. Off-site improvements would be required within the sidewalk and roadway rights-of-way along East Huntington Drive and Gateway Drive. These improvements would include modification and/or relocation of existing curb cuts, utility connections, removal of signage, street light relocation, and new/replacement street trees

Project Involves Ground Disturbance: Yes

Summary of Cultural Resources Work and Documentation

A CHRIS records search was performed at the South Central Coast Information Center (SCCIC). Results of the cultural resources records search indicated that twenty-four (24) previous cultural resource studies have been conducted between 1984 and 2015 within 1 mile of the proposed Project site. Of these studies, one (1) overlaps the proposed Project site. The entirety of the proposed Project site has been subjected to previous cultural resource investigations. The SCCIC records indicate that 122 cultural resources have been previously recorded within 1-mile of the proposed Project site. Of these 121 are historic built environment resources and one (1) is a historic-era archaeological resource; none overlap the Project site. No prehistoric cultural resources of a Native American nature have previously recorded within 1 mile of the Project site. Cultural resources documentation can be provided upon request. Please note, this information should be considered confidential and is not to be redistributed to individuals without traditional or cultural affiliation.

Consultation Request

Your participation in this local planning process is important and the City welcomes the opportunity to consult with the Gabrieleno Band of Mission Indians - Kizh Nation, if it is so desired. Pursuant to Government Code Section 65352.3(a)(2), you have 90 days from the receipt of this letter to request consultation with the City of Arcadia. Please submit your written request to the City of Arcadia at the address below or via email to Ms. Fiona Graham, Planning Services Manager (fgraham@arcadiaca.gov). All requests for formal tribal consultation, pursuant to SB-18, must be received within 90 days of receipt of this notice. Please include in any request the name of the designated lead contact person.

Sincerely,



Ms. Fiona Graham, Planning Services Manager
City of Arcadia Planning Division
Attn: The Derby Mixed-Use Project
P.O. Box 60021
Arcadia, CA 91066-6021

Attachments: Figure 1, Project Location

From: Fiona Graham
Sent: Thursday, December 1, 2022 10:01 AM
To: Gabrieleno Administration
Subject: SB 18 Notice - The Derby Mixed-Use Project
Attachments: Fig1_ProjectLocation.pdf; SB-18 Letter for The Derby_Gabrieleno Band of Mission_Salas.pdf

Good morning Mr. Salas,

Please find attached an SB 18 notice for The Derby Mixed-Use Project in Arcadia.
A hard copy will be sent via mail.

If you have any questions, please don't hesitate to contact me.

Regards,

Fiona Graham
Planning Services Manager | City of Arcadia
240 W. Huntington Dr. | Arcadia, CA 91007
(626) 574-5442 | fgraham@ArcadiaCA.gov

December 1, 2022

Gabrieleno/Tongva San Gabriel
Band of Mission Indians
Anthony Morales, Chairperson
[redacted]

Re: ***Formal Notification for The Derby Mixed-Use Project, Pursuant to Senate Bill 18***

City of Arcadia

Development Services Department

Jason Kruckeberg
Assistant City Manager/ Development Services Director

Dear Mr. Anthony Morales,

The Native American Heritage Commission (NAHC) has identified your tribe as one with traditional lands or cultural places located within the boundary of the proposed The Derby Mixed-Use Project (proposed Project). The proposed Project requires amendments to the City General Plan and is therefore subject to SB 18 (Government Code Section 65352.3). This letter serves as a formal notification and invitation to consult with the City of Arcadia (City) on the proposed Project pursuant to SB 18.

The present notice includes:

- A description of the proposed project and location;
- Project Location figure;
- A summary of cultural resources work to date, and summary of associated information that can be made available upon request;
- A clear and definitive statement that the tribe has 90 days to request consultation; and
- The lead agency contact information.

Project Location and Description

The Project site is in the City of Arcadia at 233 and 301 East Huntington Drive and includes Assessor Parcel Numbers 5773-009-070 and 5773-009-065. The Project site is bound by Huntington Drive to the south, Gateway Drive to the east, and existing hotel uses to the north and west. The Project site includes approximately 2.23 acres, as shown on the attached Figure 1, Project Location.

The Project would involve the demolition of existing structures on the Project site, including a two-story restaurant building (The Derby) at 233 East Huntington Drive, a one-story restaurant building (Souplantation) at 301 East Hunting Drive, and the associated surface parking. The proposed Lot Line Adjustment would merge the two existing lots into one legal lot.

The Project would construct The Derby as a larger, two-story restaurant as part of a new, six-story mixed-use development consisting of restaurant, cafe, and multi-family residential uses. The Project's multifamily residential component would include a total of 214 for-rent dwelling units, including nine affordable units. The mixed-use building would front onto East Huntington Drive and would include a landscaped residential pool and amenity space, including an approximately 4,800 square feet (sf) roof deck and 1,100 sf indoor amenity kitchen for residents. Additional residential amenities would include a 6,500 sf landscaped courtyard, herb garden, and shared outdoor cooking space as well as

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other interior residential amenities such as a fitness center, co-working space, and yoga room.

The Project would include one level of subterranean (i.e., basement level) parking for residents, as well as exterior and interior ground-level commercial and valet parking areas. The Project would provide a total of 414 parking spaces consisting of 241 residential and 173 commercial/valet spaces. Approximately 10% of the spaces provided would include Electric Vehicle (EV) charging stations. Off-site improvements would be required within the sidewalk and roadway rights-of-way along East Huntington Drive and Gateway Drive. These improvements would include modification and/or relocation of existing curb cuts, utility connections, removal of signage, street light relocation, and new/replacement street trees

Project Involves Ground Disturbance: Yes

Summary of Cultural Resources Work and Documentation

A CHRIS records search was performed at the South Central Coast Information Center (SCCIC). Results of the cultural resources records search indicated that twenty-four (24) previous cultural resource studies have been conducted between 1984 and 2015 within 1 mile of the proposed Project site. Of these studies, one (1) overlaps the proposed Project site. The entirety of the proposed Project site has been subjected to previous cultural resource investigations. The SCCIC records indicate that 122 cultural resources have been previously recorded within 1-mile of the proposed Project site. Of these 121 are historic built environment resources and one (1) is a historic-era archaeological resource; none overlap the Project site. No prehistoric cultural resources of a Native American nature have previously recorded within 1 mile of the Project site. Cultural resources documentation can be provided upon request. Please note, this information should be considered confidential and is not to be redistributed to individuals without traditional or cultural affiliation.

Consultation Request

Your participation in this local planning process is important and the City welcomes the opportunity to consult with the Gabrieleno/Tongva San Gabriel Band of Mission Indians, if it is so desired. Pursuant to Government Code Section 65352.3(a)(2), you have 90 days from the receipt of this letter to request consultation with the City of Arcadia. Please submit your written request to the City of Arcadia at the address below or via email to Ms. Fiona Graham, Planning Services Manager (fgraham@arcadiaca.gov). All requests for formal tribal consultation, pursuant to SB-18, must be received within 90 days of receipt of this notice. Please include in any request the name of the designated lead contact person.

Sincerely,



Ms. Fiona Graham, Planning Services Manager
City of Arcadia Planning Division
Attn: The Derby Mixed-Use Project
P.O. Box 60021
Arcadia, CA 91066-6021

Attachments: Figure 1, Project Location

From: Fiona Graham
Sent: Thursday, December 1, 2022 10:13 AM
To: '[redacted]'
Subject: SB 18 Notice - The Derby Mixed-Use Project
Attachments: Fig1_ProjectLocation.pdf; SB-18 Letter for The Derby_GabrielenoTongva San Gabriel_Morales.pdf

Good morning Mr. Morales,

Please find attached an SB 18 notice for The Derby Mixed-Use Project in Arcadia.
A hard copy will be sent via mail.

If you have any questions, please don't hesitate to contact me.

Regards,

Fiona Graham
Planning Services Manager | City of Arcadia
240 W. Huntington Dr. | Arcadia, CA 91007
(626) 574-5442 | fgraham@ArcadiaCA.gov

City of Arcadia

Development Services Department

Jason Kruckeberg
Assistant City Manager/ Development Services Director

December 1, 2022

Gabrielino-Tongva Tribe
Charles Alvarez,
[redacted]

Re: ***Formal Notification for The Derby Mixed-Use Project, Pursuant to Senate Bill 18***

Dear Mr. Charles Alvarez,

The Native American Heritage Commission (NAHC) has identified your tribe as one with traditional lands or cultural places located within the boundary of the proposed The Derby Mixed-Use Project (proposed Project). The proposed Project requires amendments to the City General Plan and is therefore subject to SB 18 (Government Code Section 65352.3). This letter serves as a formal notification and invitation to consult with the City of Arcadia (City) on the proposed Project pursuant to SB 18.

The present notice includes:

- A description of the proposed project and location;
- Project Location figure;
- A summary of cultural resources work to date, and summary of associated information that can be made available upon request;
- A clear and definitive statement that the tribe has 90 days to request consultation; and
- The lead agency contact information.

Project Location and Description

The Project site is in the City of Arcadia at 233 and 301 East Huntington Drive and includes Assessor Parcel Numbers 5773-009-070 and 5773-009-065. The Project site is bound by Huntington Drive to the south, Gateway Drive to the east, and existing hotel uses to the north and west. The Project site includes approximately 2.23 acres, as shown on the attached Figure 1, Project Location.

The Project would involve the demolition of existing structures on the Project site, including a two-story restaurant building (The Derby) at 233 East Huntington Drive, a one-story restaurant building (Souplantation) at 301 East Hunting Drive, and the associated surface parking. The proposed Lot Line Adjustment would merge the two existing lots into one legal lot.

The Project would construct The Derby as a larger, two-story restaurant as part of a new, six-story mixed-use development consisting of restaurant, cafe, and multi-family residential uses. The Project's multifamily residential component would include a total of 214 for-rent dwelling units, including nine affordable units. The mixed-use building would front onto East Huntington Drive and would include a landscaped residential pool and amenity space, including an approximately 4,800 square feet (sf) roof deck and 1,100 sf indoor amenity kitchen for residents. Additional residential amenities would include a 6,500 sf landscaped courtyard, herb garden, and shared outdoor cooking space as well as

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www.ArcadiaCA.gov

other interior residential amenities such as a fitness center, co-working space, and yoga room.

The Project would include one level of subterranean (i.e., basement level) parking for residents, as well as exterior and interior ground-level commercial and valet parking areas. The Project would provide a total of 414 parking spaces consisting of 241 residential and 173 commercial/valet spaces. Approximately 10% of the spaces provided would include Electric Vehicle (EV) charging stations. Off-site improvements would be required within the sidewalk and roadway rights-of-way along East Huntington Drive and Gateway Drive. These improvements would include modification and/or relocation of existing curb cuts, utility connections, removal of signage, street light relocation, and new/replacement street trees

Project Involves Ground Disturbance: Yes

Summary of Cultural Resources Work and Documentation

A CHRIS records search was performed at the South Central Coast Information Center (SCCIC). Results of the cultural resources records search indicated that twenty-four (24) previous cultural resource studies have been conducted between 1984 and 2015 within 1 mile of the proposed Project site. Of these studies, one (1) overlaps the proposed Project site. The entirety of the proposed Project site has been subjected to previous cultural resource investigations. The SCCIC records indicate that 122 cultural resources have been previously recorded within 1-mile of the proposed Project site. Of these 121 are historic built environment resources and one (1) is a historic-era archaeological resource; none overlap the Project site. No prehistoric cultural resources of a Native American nature have previously recorded within 1 mile of the Project site. Cultural resources documentation can be provided upon request. Please note, this information should be considered confidential and is not to be redistributed to individuals without traditional or cultural affiliation.

Consultation Request

Your participation in this local planning process is important and the City welcomes the opportunity to consult with the Gabrielino-Tongva Tribe, if it is so desired. Pursuant to Government Code Section 65352.3(a)(2), you have 90 days from the receipt of this letter to request consultation with the City of Arcadia. Please submit your written request to the City of Arcadia at the address below or via email to Ms. Fiona Graham, Planning Services Manager (fgraham@arcadiaca.gov). All requests for formal tribal consultation, pursuant to SB-18, must be received within 90 days of receipt of this notice. Please include in any request the name of the designated lead contact person.

Sincerely,



Ms. Fiona Graham, Planning Services Manager
City of Arcadia Planning Division
Attn: The Derby Mixed-Use Project
P.O. Box 60021
Arcadia, CA 91066-6021

Attachments: Figure 1, Project Location

From: Fiona Graham
Sent: Thursday, December 1, 2022 9:42 AM
To: '[redacted]'
Subject: SB 18 Notice - The Derby Mixed-Use Project
Attachments: Fig1_ProjectLocation.pdf; SB-18 Letter for The Derby_Gabrielino-Tongva Tribe_Alvarez.pdf

Good morning Mr. Alvarez,

Please find attached an SB 18 notice for The Derby Mixed-Use Project in Arcadia.
A hard copy will be sent via mail.

If you have any questions, please don't hesitate to contact me.

Regards,

Fiona Graham
Planning Services Manager | City of Arcadia
240 W. Huntington Dr. | Arcadia, CA 91007
(626) 574-5442 | fgraham@ArcadiaCA.gov

From: Fiona Graham
Sent: Thursday, December 1, 2022 9:50 AM
To: '[redacted]'
Subject: FW: SB 18 Notice - The Derby Mixed-Use Project
Attachments: Fig1_ProjectLocation.pdf; SB-18 Letter for The Derby_Gabrielino-Tongva Tribe_Alvarez.pdf

Good morning Mr. Alvarez,

We may have an old email address for you.

Please see the original email, below, and attachments.

Regards,

Fiona Graham
Planning Services Manager | City of Arcadia
240 W. Huntington Dr. | Arcadia, CA 91007
(626) 574-5442 | fgraham@ArcadiaCA.gov

-----Original Message-----
From: Fiona Graham
Sent: Thursday, December 1, 2022 9:42 AM
To: '[redacted]>
Subject: SB 18 Notice - The Derby Mixed-Use Project

Good morning Mr. Alvarez,

Please find attached an SB 18 notice for The Derby Mixed-Use Project in Arcadia.

A hard copy will be sent via mail.

If you have any questions, please don't hesitate to contact me.

Regards,

<http://www.arcadiaca.gov/> Fiona Graham Planning Services Manager | City of Arcadia

240 W. Huntington Dr. | Arcadia, CA 91007
(626) 574-5442 | fgraham@ArcadiaCA.gov <mailto:fgraham@ArcadiaCA.gov>

<https://www.twitter.com/DiscoverArcadia/> <https://www.twitter.com/ProtectArcadia/>
<https://www.twitter.com/EnrichArcadia/> <https://www.twitter.com/ShapeArcadia/>

City of Arcadia

Development Services Department

Jason Kruckeberg
Assistant City Manager/ Development Services Director

December 1, 2022

Gabrielino Tongva Indians of California Tribal Council
Christina Conley, Tribal Consultant and Administrator
[redacted]

Re: ***Formal Notification for The Derby Mixed-Use Project, Pursuant to Senate Bill 18***

Dear Ms. Christina Conley,

The Native American Heritage Commission (NAHC) has identified your tribe as one with traditional lands or cultural places located within the boundary of the proposed The Derby Mixed-Use Project (proposed Project). The proposed Project requires amendments to the City General Plan and is therefore subject to SB 18 (Government Code Section 65352.3). This letter serves as a formal notification and invitation to consult with the City of Arcadia (City) on the proposed Project pursuant to SB 18.

The present notice includes:

- A description of the proposed project and location;
- Project Location figure;
- A summary of cultural resources work to date, and summary of associated information that can be made available upon request;
- A clear and definitive statement that the tribe has 90 days to request consultation; and
- The lead agency contact information.

Project Location and Description

The Project site is in the City of Arcadia at 233 and 301 East Huntington Drive and includes Assessor Parcel Numbers 5773-009-070 and 5773-009-065. The Project site is bound by Huntington Drive to the south, Gateway Drive to the east, and existing hotel uses to the north and west. The Project site includes approximately 2.23 acres, as shown on the attached Figure 1, Project Location.

The Project would involve the demolition of existing structures on the Project site, including a two-story restaurant building (The Derby) at 233 East Huntington Drive, a one-story restaurant building (Souplantation) at 301 East Hunting Drive, and the associated surface parking. The proposed Lot Line Adjustment would merge the two existing lots into one legal lot.

The Project would construct The Derby as a larger, two-story restaurant as part of a new, six-story mixed-use development consisting of restaurant, cafe, and multi-family residential uses. The Project's multifamily residential component would include a total of 214 for-rent dwelling units, including nine affordable units. The mixed-use building would front onto East Huntington Drive and would include a landscaped residential pool and amenity space, including an approximately 4,800 square feet (sf) roof deck and 1,100 sf indoor amenity kitchen for residents. Additional residential amenities would include a

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6,500 sf landscaped courtyard, herb garden, and shared outdoor cooking space as well as other interior residential amenities such as a fitness center, co-working space, and yoga room.

The Project would include one level of subterranean (i.e., basement level) parking for residents, as well as exterior and interior ground-level commercial and valet parking areas. The Project would provide a total of 414 parking spaces consisting of 241 residential and 173 commercial/valet spaces. Approximately 10% of the spaces provided would include Electric Vehicle (EV) charging stations. Off-site improvements would be required within the sidewalk and roadway rights-of-way along East Huntington Drive and Gateway Drive. These improvements would include modification and/or relocation of existing curb cuts, utility connections, removal of signage, street light relocation, and new/replacement street trees

Project Involves Ground Disturbance: Yes

Summary of Cultural Resources Work and Documentation

A CHRIS records search was performed at the South Central Coast Information Center (SCCIC). Results of the cultural resources records search indicated that twenty-four (24) previous cultural resource studies have been conducted between 1984 and 2015 within 1 mile of the proposed Project site. Of these studies, one (1) overlaps the proposed Project site. The entirety of the proposed Project site has been subjected to previous cultural resource investigations. The SCCIC records indicate that 122 cultural resources have been previously recorded within 1-mile of the proposed Project site. Of these 121 are historic built environment resources and one (1) is a historic-era archaeological resource; none overlap the Project site. No prehistoric cultural resources of a Native American nature have previously recorded within 1 mile of the Project site. Cultural resources documentation can be provided upon request. Please note, this information should be considered confidential and is not to be redistributed to individuals without traditional or cultural affiliation.

Consultation Request

Your participation in this local planning process is important and the City welcomes the opportunity to consult with the Gabrielino Tongva Indians of California Tribal Council, if it is so desired. Pursuant to Government Code Section 65352.3(a)(2), you have 90 days from the receipt of this letter to request consultation with the City of Arcadia. Please submit your written request to the City of Arcadia at the address below or via email to Ms. Fiona Graham, Planning Services Manager (fgraham@arcadiaca.gov). All requests for formal tribal consultation, pursuant to SB-18, must be received within 90 days of receipt of this notice. Please include in any request the name of the designated lead contact person.
Sincerely,



Ms. Fiona Graham, Planning Services Manager
City of Arcadia Planning Division
Attn: The Derby Mixed-Use Project
P.O. Box 60021
Arcadia, CA 91066-6021

Attachments: Figure 1, Project Location

From: Fiona Graham
Sent: Thursday, December 1, 2022 10:10 AM
To: '[redacted]'
Subject: SB 18 Notice - The Derby Mixed-Use Project
Attachments: Fig1_ProjectLocation.pdf; SB-18 Letter for The Derby_Gabrielino Tongva Indians_Conley.pdf

Good morning Ms. Conley,

Please find attached an SB 18 notice for The Derby Mixed-Use Project in Arcadia.
A hard copy will be sent via mail.

If you have any questions, please don't hesitate to contact me.

Regards,

Fiona Graham
Planning Services Manager | City of Arcadia
240 W. Huntington Dr. | Arcadia, CA 91007
(626) 574-5442 | fgraham@ArcadiaCA.gov

City of Arcadia

Development Services Department

Jason Kruckeberg
Assistant City Manager/ Development Services Director

December 1, 2022

Soboba Band of Luiseno Indians
Isaiah Vivanco, Chairperson
[redacted]

Re: Formal Notification for The Derby Mixed-Use Project, Pursuant to Senate Bill 18

Dear Mr. Isaiah Vivanco,

The Native American Heritage Commission (NAHC) has identified your tribe as one with traditional lands or cultural places located within the boundary of the proposed The Derby Mixed-Use Project (proposed Project). The proposed Project requires amendments to the City General Plan and is therefore subject to SB 18 (Government Code Section 65352.3). This letter serves as a formal notification and invitation to consult with the City of Arcadia (City) on the proposed Project pursuant to SB 18.

The present notice includes:

- A description of the proposed project and location;
- Project Location figure;
- A summary of cultural resources work to date, and summary of associated information that can be made available upon request;
- A clear and definitive statement that the tribe has 90 days to request consultation; and
- The lead agency contact information.

Project Location and Description

The Project site is in the City of Arcadia at 233 and 301 East Huntington Drive and includes Assessor Parcel Numbers 5773-009-070 and 5773-009-065. The Project site is bound by Huntington Drive to the south, Gateway Drive to the east, and existing hotel uses to the north and west. The Project site includes approximately 2.23 acres, as shown on the attached Figure 1, Project Location.

The Project would involve the demolition of existing structures on the Project site, including a two-story restaurant building (The Derby) at 233 East Huntington Drive, a one-story restaurant building (Souplantation) at 301 East Hunting Drive, and the associated surface parking. The proposed Lot Line Adjustment would merge the two existing lots into one legal lot.

The Project would construct The Derby as a larger, two-story restaurant as part of a new, six-story mixed-use development consisting of restaurant, cafe, and multi-family residential uses. The Project's multifamily residential component would include a total of 214 for-rent dwelling units, including nine affordable units. The mixed-use building would front onto East Huntington Drive and would include a landscaped residential pool and amenity space, including an approximately 4,800 square feet (sf) roof deck and 1,100 sf indoor amenity kitchen for residents. Additional residential amenities would include a 6,500 sf landscaped courtyard, herb garden, and shared outdoor cooking space as well as

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other interior residential amenities such as a fitness center, co-working space, and yoga room.

The Project would include one level of subterranean (i.e., basement level) parking for residents, as well as exterior and interior ground-level commercial and valet parking areas. The Project would provide a total of 414 parking spaces consisting of 241 residential and 173 commercial/valet spaces. Approximately 10% of the spaces provided would include Electric Vehicle (EV) charging stations. Off-site improvements would be required within the sidewalk and roadway rights-of-way along East Huntington Drive and Gateway Drive. These improvements would include modification and/or relocation of existing curb cuts, utility connections, removal of signage, street light relocation, and new/replacement street trees

Project Involves Ground Disturbance: Yes

Summary of Cultural Resources Work and Documentation

A CHRIS records search was performed at the South Central Coast Information Center (SCCIC). Results of the cultural resources records search indicated that twenty-four (24) previous cultural resource studies have been conducted between 1984 and 2015 within 1 mile of the proposed Project site. Of these studies, one (1) overlaps the proposed Project site. The entirety of the proposed Project site has been subjected to previous cultural resource investigations. The SCCIC records indicate that 122 cultural resources have been previously recorded within 1-mile of the proposed Project site. Of these 121 are historic built environment resources and one (1) is a historic-era archaeological resource; none overlap the Project site. No prehistoric cultural resources of a Native American nature have previously recorded within 1 mile of the Project site. Cultural resources documentation can be provided upon request. Please note, this information should be considered confidential and is not to be redistributed to individuals without traditional or cultural affiliation.

Consultation Request

Your participation in this local planning process is important and the City welcomes the opportunity to consult with the Soboba Band of Luiseno Indians, if it is so desired. Pursuant to Government Code Section 65352.3(a)(2), you have 90 days from the receipt of this letter to request consultation with the City of Arcadia. Please submit your written request to the City of Arcadia at the address below or via email to Ms. Fiona Graham, Planning Services Manager (fgraham@arcadiaca.gov). All requests for formal tribal consultation, pursuant to SB-18, must be received within 90 days of receipt of this notice. Please include in any request the name of the designated lead contact person.
Sincerely,



Ms. Fiona Graham, Planning Services Manager
City of Arcadia Planning Division
Attn: The Derby Mixed-Use Project
P.O. Box 60021
Arcadia, CA 91066-6021

Attachments: Figure 1, Project Location

From: Fiona Graham
Sent: Thursday, December 1, 2022 9:47 AM
To: '[redacted]'
Subject: SB 18 Notice - The Derby Mixed-Use Project
Attachments: Fig1_ProjectLocation.pdf; SB-18 Letter for The Derby_Soboba Band of Luiseno_Vivanco.pdf

Good morning Mr. Vivanco,

Please find attached an SB 18 notice for The Derby Mixed-Use Project in Arcadia.
A hard copy will be sent via mail.

If you have any questions, please don't hesitate to contact me.

Regards,

Fiona Graham
Planning Services Manager | City of Arcadia
240 W. Huntington Dr. | Arcadia, CA 91007
(626) 574-5442 | fgraham@ArcadiaCA.gov

City of Arcadia

Development Services Department

Jason Kruckeberg
Assistant City Manager/ Development Services Director

December 1, 2022

Soboba Band of Luiseno Indians
Joseph Ontiveros, Cultural Resource Department
[redacted]

Re: ***Formal Notification for The Derby Mixed-Use Project, Pursuant to Senate Bill 18***

Dear Mr. Joseph Ontiveros,

The Native American Heritage Commission (NAHC) has identified your tribe as one with traditional lands or cultural places located within the boundary of the proposed The Derby Mixed-Use Project (proposed Project). The proposed Project requires amendments to the City General Plan and is therefore subject to SB 18 (Government Code Section 65352.3). This letter serves as a formal notification and invitation to consult with the City of Arcadia (City) on the proposed Project pursuant to SB 18.

The present notice includes:

- A description of the proposed Project and location;
- Project Location figure;
- A summary of cultural resources work to date, and summary of associated information that can be made available upon request;
- A clear and definitive statement that the tribe has 90 days to request consultation; and
- The lead agency contact information.

Project Location and Description

The Project site is in the City of Arcadia at 233 and 301 East Huntington Drive and includes Assessor Parcel Numbers 5773-009-070 and 5773-009-065. The Project site is bound by Huntington Drive to the south, Gateway Drive to the east, and existing hotel uses to the north and west. The Project site includes approximately 2.23 acres, as shown on the attached Figure 1, Project Location.

The Project would involve the demolition of existing structures on the Project site, including a two-story restaurant building (The Derby) at 233 East Huntington Drive, a one-story restaurant building (Souplantation) at 301 East Hunting Drive, and the associated surface parking. The proposed Lot Line Adjustment would merge the two existing lots into one legal lot.

The Project would construct The Derby as a larger, two-story restaurant as part of a new, six-story mixed-use development consisting of restaurant, café, and multifamily residential uses. The Project's multifamily residential component would include a total of 214 for-rent dwelling units, including nine affordable units. The mixed-use building would front onto East Huntington Drive and would include a landscaped residential pool and amenity space, including an approximately 4,800 square feet (sf) roof deck and 1,100 sf indoor amenity kitchen for residents. Additional residential amenities would include a 6,500 sf landscaped

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courtyard, herb garden, and shared outdoor cooking space as well as other interior residential amenities such as a fitness center, co-working space, and yoga room.

The Project would include one level of subterranean (i.e., basement level) parking for residents, as well as exterior and interior ground-level commercial and valet parking areas. The Project would provide a total of 414 parking spaces consisting of 241 residential and 173 commercial/valet spaces. Approximately 10% of the spaces provided would include electric vehicle charging stations. Off-site improvements would be required within the sidewalk and roadway rights-of-way along East Huntington Drive and Gateway Drive. These improvements would include modification and/or relocation of existing curb cuts, utility connections, removal of signage, street light relocation, and new/replacement street trees

Project Involves Ground Disturbance: Yes

Summary of Cultural Resources Work and Documentation

A CHRIS records search was performed at the South Central Coast Information Center (SCCIC). Results of the cultural resources records search indicated that twenty-four (24) previous cultural resource studies have been conducted between 1984 and 2015 within 1 mile of the proposed Project site. Of these studies, one (1) overlaps the proposed Project site. The entirety of the proposed Project site has been subjected to previous cultural resource investigations. The SCCIC records indicate that 122 cultural resources have been previously recorded within 1-mile of the proposed Project site. Of these 121 are historic built environment resources and one (1) is a historic-era archaeological resource; none overlap the Project site. No prehistoric cultural resources of a Native American nature have previously recorded within one mile of the Project site. Cultural resources documentation can be provided upon request. Please note, this information should be considered confidential and is not to be redistributed to individuals without traditional or cultural affiliation.

Consultation Request

Your participation in this local planning process is important and the City welcomes the opportunity to consult with the Soboba Band of Luiseno Indians, if it is so desired. Pursuant to Government Code Section 65352.3(a)(2), you have 90 days from the receipt of this letter to request consultation with the City of Arcadia. Please submit your written request to the City of Arcadia at the address below or via email to Ms. Fiona Graham, Planning Services Manager (fgraham@arcadiaca.gov). All requests for formal tribal consultation, pursuant to SB-18, must be received within 90 days of receipt of this notice. Please include in any request the name of the designated lead contact person.

Sincerely,



Ms. Fiona Graham, Planning Services Manager
City of Arcadia Planning Division
Attn: The Derby Mixed-Use Project
P.O. Box 60021
Arcadia, CA 91066-6021

Attachments: Figure 1, Project Location

From: Fiona Graham
Sent: Thursday, December 1, 2022 9:52 AM
To: '[redacted]'
Subject: SB 18 Notice - The Derby Mixed-Use Project
Attachments: Fig1_ProjectLocation.pdf; SB-18 Letter for The Derby_Soboba Band of Luiseno_Ontiveros.pdf

Good morning Mr. Ontiveros,

Please find attached an SB 18 notice for The Derby Mixed-Use Project in Arcadia.
A hard copy will be sent via mail.

If you have any questions, please don't hesitate to contact me.

Regards,

Fiona Graham
Planning Services Manager | City of Arcadia
240 W. Huntington Dr. | Arcadia, CA 91007
(626) 574-5442 | fgraham@ArcadiaCA.gov

City of Arcadia

Development Services Department

Jason Kruckeberg
Assistant City Manager/ Development Services Director

December 1, 2022

Santa Rosa Band of Cahuilla Indians
Lovina Redner, Tribal Chair
[redacted]

Re: Formal Notification for The Derby Mixed-Use Project, Pursuant to Senate Bill 18

Dear Ms. Lovina Redner,

The Native American Heritage Commission (NAHC) has identified your tribe as one with traditional lands or cultural places located within the boundary of the proposed The Derby Mixed-Use Project (proposed Project). The proposed Project requires amendments to the City General Plan and is therefore subject to SB 18 (Government Code Section 65352.3). This letter serves as a formal notification and invitation to consult with the City of Arcadia (City) on the proposed Project pursuant to SB 18.

The present notice includes:

- A description of the proposed project and location;
- Project Location figure;
- A summary of cultural resources work to date, and summary of associated information that can be made available upon request;
- A clear and definitive statement that the tribe has 90 days to request consultation; and
- The lead agency contact information.

Project Location and Description

The Project site is in the City of Arcadia at 233 and 301 East Huntington Drive and includes Assessor Parcel Numbers 5773-009-070 and 5773-009-065. The Project site is bound by Huntington Drive to the south, Gateway Drive to the east, and existing hotel uses to the north and west. The Project site includes approximately 2.23 acres, as shown on the attached Figure 1, Project Location.

The Project would involve the demolition of existing structures on the Project site, including a two-story restaurant building (The Derby) at 233 East Huntington Drive, a one-story restaurant building (Souplantation) at 301 East Hunting Drive, and the associated surface parking. The proposed Lot Line Adjustment would merge the two existing lots into one legal lot.

The Project would construct The Derby as a larger, two-story restaurant as part of a new, six-story mixed-use development consisting of restaurant, cafe, and multi-family residential uses. The Project's multifamily residential component would include a total of 214 for-rent dwelling units, including nine affordable units. The mixed-use building would front onto East Huntington Drive and would include a landscaped residential pool and amenity space, including an approximately 4,800 square feet (sf) roof deck and 1,100 sf indoor amenity kitchen for residents. Additional residential amenities would include a 6,500 sf landscaped courtyard, herb garden, and shared outdoor cooking space as well as

240 West Huntington Drive
Post Office Box 60021
Arcadia, CA 91066-6021
(626) 574-5415
(626) 447-3309 Fax
www.ArcadiaCA.gov

other interior residential amenities such as a fitness center, co-working space, and yoga room.

The Project would include one level of subterranean (i.e., basement level) parking for residents, as well as exterior and interior ground-level commercial and valet parking areas. The Project would provide a total of 414 parking spaces consisting of 241 residential and 173 commercial/valet spaces. Approximately 10% of the spaces provided would include Electric Vehicle (EV) charging stations. Off-site improvements would be required within the sidewalk and roadway rights-of-way along East Huntington Drive and Gateway Drive. These improvements would include modification and/or relocation of existing curb cuts, utility connections, removal of signage, street light relocation, and new/replacement street trees

Project Involves Ground Disturbance: Yes

Summary of Cultural Resources Work and Documentation

A CHRIS records search was performed at the South Central Coast Information Center (SCCIC). Results of the cultural resources records search indicated that twenty-four (24) previous cultural resource studies have been conducted between 1984 and 2015 within 1 mile of the proposed Project site. Of these studies, one (1) overlaps the proposed Project site. The entirety of the proposed Project site has been subjected to previous cultural resource investigations. The SCCIC records indicate that 122 cultural resources have been previously recorded within 1-mile of the proposed Project site. Of these 121 are historic built environment resources and one (1) is a historic-era archaeological resource; none overlap the Project site. No prehistoric cultural resources of a Native American nature have previously recorded within 1 mile of the Project site. Cultural resources documentation can be provided upon request. Please note, this information should be considered confidential and is not to be redistributed to individuals without traditional or cultural affiliation.

Consultation Request

Your participation in this local planning process is important and the City welcomes the opportunity to consult with the Santa Rosa Band of Cahuilla Indians, if it is so desired. Pursuant to Government Code Section 65352.3(a)(2), you have 90 days from the receipt of this letter to request consultation with the City of Arcadia. Please submit your written request to the City of Arcadia at the address below or via email to Ms. Fiona Graham, Planning Services Manager (fgraham@arcadiaca.gov). All requests for formal tribal consultation, pursuant to SB-18, must be received within 90 days of receipt of this notice. Please include in any request the name of the designated lead contact person.

Sincerely,



Ms. Fiona Graham, Planning Services Manager
City of Arcadia Planning Division
Attn: The Derby Mixed-Use Project
P.O. Box 60021
Arcadia, CA 91066-6021

Attachments: Figure 1, Project Location

From: Fiona Graham
Sent: Thursday, December 1, 2022 9:39 AM
To: '[redacted]'
Subject: SB 18 Notice - The Derby Mixed-Use Project
Attachments: SB-18 Letter for The Derby_Santa Rosa Band of Cahuilla_Redner.pdf; Fig1 _ProjectLocation.pdf

Good morning Ms. Redner,

Please find attached an SB 18 notice for The Derby Mixed-Use Project in Arcadia.
A hard copy will be sent via mail.

If you have any questions, please don't hesitate to contact me.

Regards,

Fiona Graham
Planning Services Manager | City of Arcadia
240 W. Huntington Dr. | Arcadia, CA 91007
(626) 574-5442 | fgraham@ArcadiaCA.gov

City of Arcadia

Development Services Department

Jason Kruckeberg
Assistant City Manager/ Development Services Director

December 1, 2022

Gabrielino Tongva Indians of
California Tribal Council
Robert Dorame, Chairperson
[redacted]

Re: ***Formal Notification for The Derby Mixed-Use Project, Pursuant to Senate Bill 18***

Dear Mr. Robert Dorame,

The Native American Heritage Commission (NAHC) has identified your tribe as one with traditional lands or cultural places located within the boundary of the proposed The Derby Mixed-Use Project (proposed Project). The proposed Project requires amendments to the City General Plan and is therefore subject to SB 18 (Government Code Section 65352.3). This letter serves as a formal notification and invitation to consult with the City of Arcadia (City) on the proposed Project pursuant to SB 18.

The present notice includes:

- A description of the proposed project and location;
- Project Location figure;
- A summary of cultural resources work to date, and summary of associated information that can be made available upon request;
- A clear and definitive statement that the tribe has 90 days to request consultation; and
- The lead agency contact information.

Project Location and Description

The Project site is in the City of Arcadia at 233 and 301 East Huntington Drive and includes Assessor Parcel Numbers 5773-009-070 and 5773-009-065. The Project site is bound by Huntington Drive to the south, Gateway Drive to the east, and existing hotel uses to the north and west. The Project site includes approximately 2.23 acres, as shown on the attached Figure 1, Project Location.

The Project would involve the demolition of existing structures on the Project site, including a two-story restaurant building (The Derby) at 233 East Huntington Drive, a one-story restaurant building (Souplantation) at 301 East Hunting Drive, and the associated surface parking. The proposed Lot Line Adjustment would merge the two existing lots into one legal lot.

The Project would construct The Derby as a larger, two-story restaurant as part of a new, six-story mixed-use development consisting of restaurant, cafe, and multi-family residential uses. The Project's multifamily residential component would include a total of 214 for-rent dwelling units, including nine affordable units. The mixed-use building would front onto East Huntington Drive and would include a landscaped residential pool and amenity space, including an approximately 4,800 square feet (sf) roof deck and 1,100 sf indoor amenity kitchen for residents. Additional residential amenities would include a

240 West Huntington Drive
Post Office Box 60021
Arcadia, CA 91066-6021
(626) 574-5415
(626) 447-3309 Fax
www.ArcadiaCA.gov

6,500 sf landscaped courtyard, herb garden, and shared outdoor cooking space as well as other interior residential amenities such as a fitness center, co-working space, and yoga room.

The Project would include one level of subterranean (i.e., basement level) parking for residents, as well as exterior and interior ground-level commercial and valet parking areas. The Project would provide a total of 414 parking spaces consisting of 241 residential and 173 commercial/valet spaces. Approximately 10% of the spaces provided would include Electric Vehicle (EV) charging stations. Off-site improvements would be required within the sidewalk and roadway rights-of-way along East Huntington Drive and Gateway Drive. These improvements would include modification and/or relocation of existing curb cuts, utility connections, removal of signage, street light relocation, and new/replacement street trees

Project Involves Ground Disturbance: Yes

Summary of Cultural Resources Work and Documentation

A CHRIS records search was performed at the South Central Coast Information Center (SCCIC). Results of the cultural resources records search indicated that twenty-four (24) previous cultural resource studies have been conducted between 1984 and 2015 within 1 mile of the proposed Project site. Of these studies, one (1) overlaps the proposed Project site. The entirety of the proposed Project site has been subjected to previous cultural resource investigations. The SCCIC records indicate that 122 cultural resources have been previously recorded within 1-mile of the proposed Project site. Of these 121 are historic built environment resources and one (1) is a historic-era archaeological resource; none overlap the Project site. No prehistoric cultural resources of a Native American nature have previously recorded within 1 mile of the Project site. Cultural resources documentation can be provided upon request. Please note, this information should be considered confidential and is not to be redistributed to individuals without traditional or cultural affiliation.

Consultation Request

Your participation in this local planning process is important and the City welcomes the opportunity to consult with the Gabrielino Tongva Indians of California Tribal Council, if it is so desired. Pursuant to Government Code Section 65352.3(a)(2), you have 90 days from the receipt of this letter to request consultation with the City of Arcadia. Please submit your written request to the City of Arcadia at the address below or via email to Ms. Fiona Graham, Planning Services Manager (fgraham@arcadiaca.gov). All requests for formal tribal consultation, pursuant to SB-18, must be received within 90 days of receipt of this notice. Please include in any request the name of the designated lead contact person.

Sincerely,



Ms. Fiona Graham, Planning Services Manager
City of Arcadia Planning Division
Attn: The Derby Mixed-Use Project
P.O. Box 60021
Arcadia, CA 91066-6021

Attachments: Figure 1, Project Location

From: Fiona Graham
Sent: Thursday, December 1, 2022 9:56 AM
To: '[redacted]'
Subject: SB 18 Notice - The Derby Mixed-Use Project
Attachments: Fig1_ProjectLocation.pdf; SB-18 Letter for The Derby_Gabrielino Tongva Indians_Dorame.pdf

Good morning Mr. Dorame,

Please find attached an SB 18 notice for The Derby Mixed-Use Project in Arcadia.
A hard copy will be sent via mail.

If you have any questions, please don't hesitate to contact me.

Regards,

Fiona Graham
Planning Services Manager | City of Arcadia
240 W. Huntington Dr. | Arcadia, CA 91007
(626) 574-5442 | fgraham@ArcadiaCA.gov

City of Arcadia

Development Services Department

Jason Kruckeberg
Assistant City Manager/ Development Services Director

December 1, 2022

Gabrielino /Tongva Nation
Sandonne Goad, Chairperson
[redacted]

Re: Formal Notification for The Derby Mixed-Use Project, Pursuant to Senate Bill 18

Dear Ms. Sandonne Goad

The Native American Heritage Commission (NAHC) has identified your tribe as one with traditional lands or cultural places located within the boundary of the proposed The Derby Mixed-Use Project (proposed Project). The proposed Project requires amendments to the City General Plan and is therefore subject to SB 18 (Government Code Section 65352.3). This letter serves as a formal notification and invitation to consult with the City of Arcadia (City) on the proposed Project pursuant to SB 18.

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- A description of the proposed project and location;
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- A summary of cultural resources work to date, and summary of associated information that can be made available upon request;
- A clear and definitive statement that the tribe has 90 days to request consultation; and
- The lead agency contact information.

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The Project would involve the demolition of existing structures on the Project site, including a two-story restaurant building (The Derby) at 233 East Huntington Drive, a one-story restaurant building (Souplantation) at 301 East Hunting Drive, and the associated surface parking. The proposed Lot Line Adjustment would merge the two existing lots into one legal lot.

The Project would construct The Derby as a larger, two-story restaurant as part of a new, six-story mixed-use development consisting of restaurant, cafe, and multi-family residential uses. The Project's multifamily residential component would include a total of 214 for-rent dwelling units, including nine affordable units. The mixed-use building would front onto East Huntington Drive and would include a landscaped residential pool and amenity space, including an approximately 4,800 square feet (sf) roof deck and 1,100 sf indoor amenity kitchen for residents. Additional residential amenities would include a 6,500 sf landscaped courtyard, herb garden, and shared outdoor cooking space as well as

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(626) 574-5415
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www.ArcadiaCA.gov

other interior residential amenities such as a fitness center, co-working space, and yoga room.

The Project would include one level of subterranean (i.e., basement level) parking for residents, as well as exterior and interior ground-level commercial and valet parking areas. The Project would provide a total of 414 parking spaces consisting of 241 residential and 173 commercial/valet spaces. Approximately 10% of the spaces provided would include Electric Vehicle (EV) charging stations. Off-site improvements would be required within the sidewalk and roadway rights-of-way along East Huntington Drive and Gateway Drive. These improvements would include modification and/or relocation of existing curb cuts, utility connections, removal of signage, street light relocation, and new/replacement street trees

Project Involves Ground Disturbance: Yes

Summary of Cultural Resources Work and Documentation

A CHRIS records search was performed at the South Central Coast Information Center (SCCIC). Results of the cultural resources records search indicated that twenty-four (24) previous cultural resource studies have been conducted between 1984 and 2015 within 1 mile of the proposed Project site. Of these studies, one (1) overlaps the proposed Project site. The entirety of the proposed Project site has been subjected to previous cultural resource investigations. The SCCIC records indicate that 122 cultural resources have been previously recorded within 1-mile of the proposed Project site. Of these 121 are historic built environment resources and one (1) is a historic-era archaeological resource; none overlap the Project site. No prehistoric cultural resources of a Native American nature have previously recorded within 1 mile of the Project site. Cultural resources documentation can be provided upon request. Please note, this information should be considered confidential and is not to be redistributed to individuals without traditional or cultural affiliation.

Consultation Request

Your participation in this local planning process is important and the City welcomes the opportunity to consult with the Gabrielino /Tongva Nation, if it is so desired. Pursuant to Government Code Section 65352.3(a)(2), you have 90 days from the receipt of this letter to request consultation with the City of Arcadia. Please submit your written request to the City of Arcadia at the address below or via email to Ms. Fiona Graham, Planning Services Manager (fgraham@arcadiaca.gov). All requests for formal tribal consultation, pursuant to SB-18, must be received within 90 days of receipt of this notice. Please include in any request the name of the designated lead contact person.

Sincerely,



Ms. Fiona Graham, Planning Services Manager
City of Arcadia Planning Division
Attn: The Derby Mixed-Use Project
P.O. Box 60021
Arcadia, CA 91066-6021

Attachments: Figure 1, Project Location

From: Fiona Graham
Sent: Thursday, December 1, 2022 10:04 AM
To: '[redacted]'
Subject: SB 18 Notice - The Derby Mixed-Use Project
Attachments: Fig1_ProjectLocation.pdf; SB-18 Letter for The Derby_Gabrielino Tongva Nation_Goad.pdf

Good morning Ms. Goad,

Please find attached an SB 18 notice for The Derby Mixed-Use Project in Arcadia.
A hard copy will be sent via mail.

If you have any questions, please don't hesitate to contact me.

Regards,

Fiona Graham
Planning Services Manager | City of Arcadia
240 W. Huntington Dr. | Arcadia, CA 91007
(626) 574-5442 | fgraham@ArcadiaCA.gov

Appendix K-2

CONFIDENTIAL Record of Assembly Bill 52 and Senate Bill 18 Consultations

Appendix L-1

Utility Infrastructure Technical Report, prepared by Labib Funk and Associates

Labib Funk + Associates Burnett + Young
Structural | Shoring | Civil | EBM

UTILITY INFRASTRUCTURE TECHNICAL REPORT
FOR ENERGY, SEWER AND WATER
FOR

233 & 301 HUNTINGTON DR

Arcadia, CA 91006

Prepared for:
City of Arcadia

Prepared by:
Labib Funk + Associates
Structural | Shoring | Civil Consulting Engineers
319 Main St.
El Segundo, California 90245
LFA Job # 22405
May 04, 2023

Table of Contents

1.0 Energy Requirements:.....3
1.1 Electricity Requirements:.....3
1.2 Natural Gas Requirements:.....3
2.0 Sewer Requirements:.....3
2.1 Existing Sewer Infrastructure:.....3
2.2 Proposed Water Infrastructure.....3
2.3 Existing/Future Sewer Infrastructure Constraints:.....3
3.0 Water Requirements:.....3
3.1 Existing Water Infrastructure:.....3
3.2 Proposed Water Infrastructure:.....4
4.0 Attachments:.....4
APPENDIX A.....5
APPENDIX B.....6
APPENDIX C.....7
APPENDIX D.....8
APPENDIX E.....9
APPENDIX F.....9

1.0 Energy Requirements:

1.1 Electricity Requirements:

Based on the discussions with SCE, they serve the region and have generated a request for will serve letter.

1.2 Natural Gas Requirements: A request for will serve including information on use and square footages of the proposed project as well as specific questions relating to the environmental impact of the project was sent to Southern California Gas (SCG) to determine if SCG has the capacity to serve the project and what the impact would be.

SCG included a will serve letter stating that they have service in the area available for our project. SCG can serve the project, however the exact impacts to their system cannot be determined without specific loading requirements for the proposed building. See Appendix A for SCG Will Serve Letter. Since the proposed project can be served by SCG, the impact should be less than significant.

2.0 Sewer Requirements:

2.1 Existing Sewer Infrastructure:

Sewer for this site is served by the City of Arcadia. The existing services are being provided through an existing 8" VCP in Huntington Dr and an 8" pipe that goes through the project site.

2.2 Proposed Sewer Infrastructure:

Proposed sewer infrastructure will include new lateral connections to the existing sewer system in Huntington Dr.

2.3 Existing/Future Sewer Infrastructure Constraints:

To determine the constraints on the existing sewer infrastructure as a result of the proposed project, a sewer study and flow monitoring was done to see if the proposed system would exceed the existing design capacity of the sewer system. The results from the sewer study determined that there would be a nominal increase in the sewer system based on the design criteria set by the city and as a result the project would need to implement a device that could restrict peak flow from the proposed development or take alternative measure to ensure that the existing network does not go beyond its design capacity.

3.0 Water Requirements:

3.1 Existing Water Infrastructure:

Domestic and Fire Water for this site is served by the City of Arcadia. The existing services are being provided through an existing 12" cast iron water main in Huntington Dr and a 12" cast iron water main in Gateway Dr

A letter from the City of Arcadia, Development Services states that 59psi Static Pressure is available on the South side of the Huntington Dr and 60psi Static pressure is available on the Gateway Dr. Both the mains are available for Domestic or Fire services.

Per the City of Arcadia 2020 Urban Water Management Plan (UWMP), the current Multi-Family Potable Water Use was 2,072 acre-feet for the year 2020. The projected Multi-Family Potable Water Use for the year 2025 is 2,171 acre-feet, which is a difference of 99 acre-feet per year, or 88,323 gallons per day (GPD).

3.2 Proposed Water Infrastructure:

Proposed water infrastructure will include new water meters and lateral connections to the existing water system in Gateway Dr. to provide domestic water, fire water and irrigation water to the proposed project. A minimum requirement of 20psi is required at the building face per CA plumbing code and based on the pressure available in the main on Huntington Dr. and Gateway Dr., there should be more than enough flow to suffice the proposed development. Possible connections may be required to water mains in Huntington Dr. for additional fire hydrants as required for the project.

The proposed potable water use for the project is 51,403 Gallons Per Day (GPD). This is based on the LA County Sanitation District wastewater generation factors for domestic water use (50,934 GPD) and the City's Maximum Applied Water Allowance (MAWA) for irrigation use (469 GPD). This is within the estimate for future yearly potable water use of 88,323 GPD per UWMP.

4.0 Attachments:

Appendix A – SCG Will serve Letter
Appendix B – Existing Sewer Infrastructure
Appendix C – Proposed Sewer Infrastructure
Appendix D – Existing Water Infrastructure
Appendix E – Proposed Water Infrastructure
Appendix F – UWMP Water Use Tables
Appendix G – Will serve letter and LA county Sanitation district NOP.

APPENDIX A

Southern California Gas Will Serve Letter

1919 S. State College Blvd.
Anaheim, CA 92806-6114

September 2, 2022

Jha Darshil
319 Main St
El Segundo, CA 90245

Attn: Jha Darshil

Subject: Will Server request for 233 E Huntington Dr; Arcadia

Thank you for inquiring about the availability of natural gas service for your project. We are pleased to inform you that Southern California Gas Company (SoCalGas) has facilities in the area where the above named project is being proposed. The service would be in accordance with SoCalGas' policies and extension rules on file with the California Public Utilities Commission (CPUC) at the time contractual arrangements are made.

This letter should not be considered a contractual commitment to serve the proposed project, and is only provided for informational purposes only. The availability of natural gas service is based upon natural gas supply conditions and is subject to changes in law or regulation. As a public utility, SoCalGas is under the jurisdiction of the Commission and certain federal regulatory agencies, and gas service will be provided in accordance with the rules and regulations in effect at the time service is provided. Natural gas service is also subject to environmental regulations, which could affect the construction of a main or service line extension (for example, if hazardous wastes were encountered in the process of installing the line). Applicable regulations will be determined once a contract with SoCalGas is executed.

If you need assistance choosing the appropriate gas equipment for your project, or would like to discuss the most effective applications of energy efficiency techniques, please contact our area Service Center at 800-427-2200.

Thank you again for choosing clean, reliable, and safe natural gas, your best energy value.

Katrina Regan
Planning Supervisor
SouthEast Region - Anaheim Planning & Engineering

KR/rs
wilserv.doc

APPENDIX B

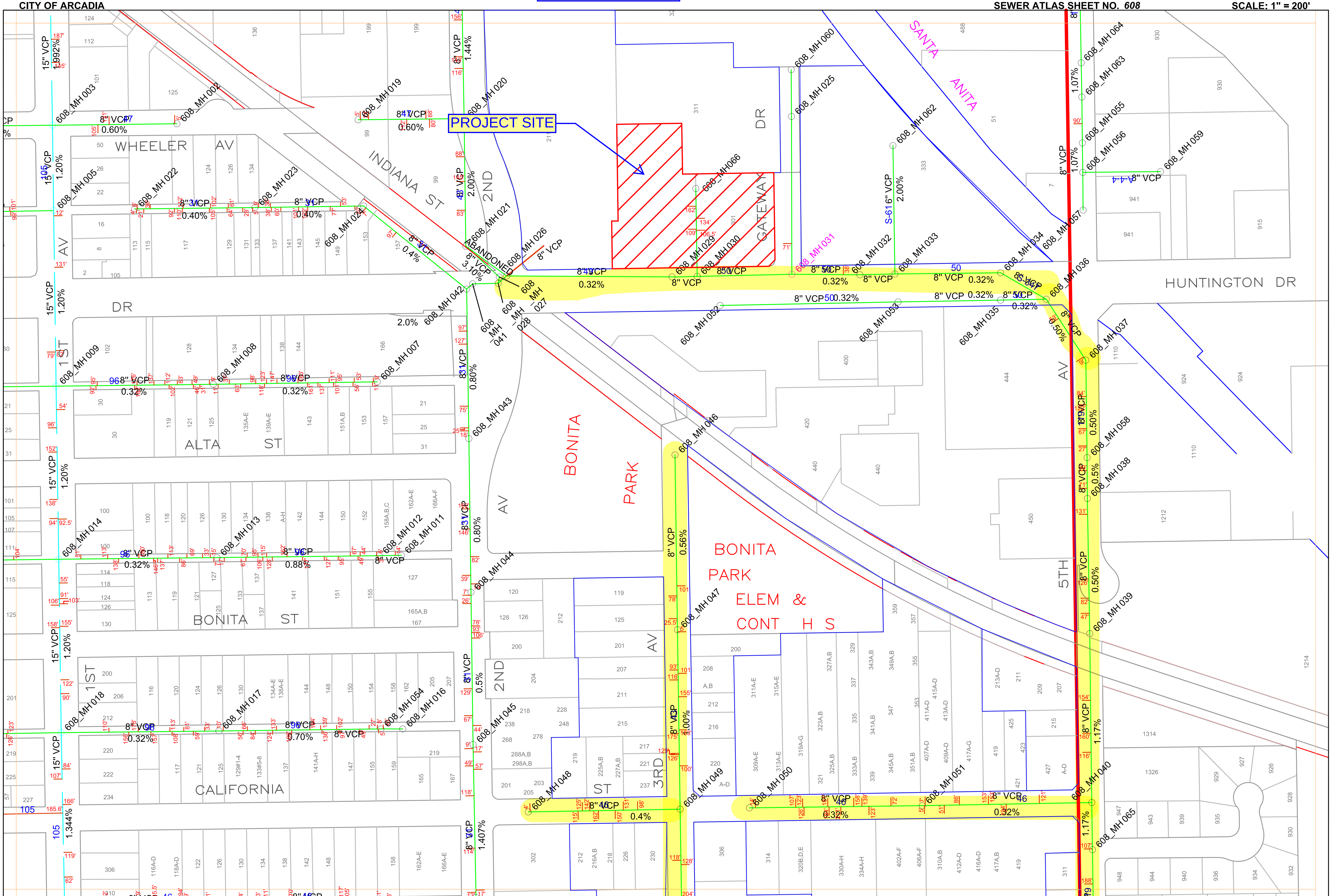
Existing Sewer Infrastructure

EXISITING CONDITIONS

CITY OF ARCADIA

SEWER ATLAS SHEET NO. *608*

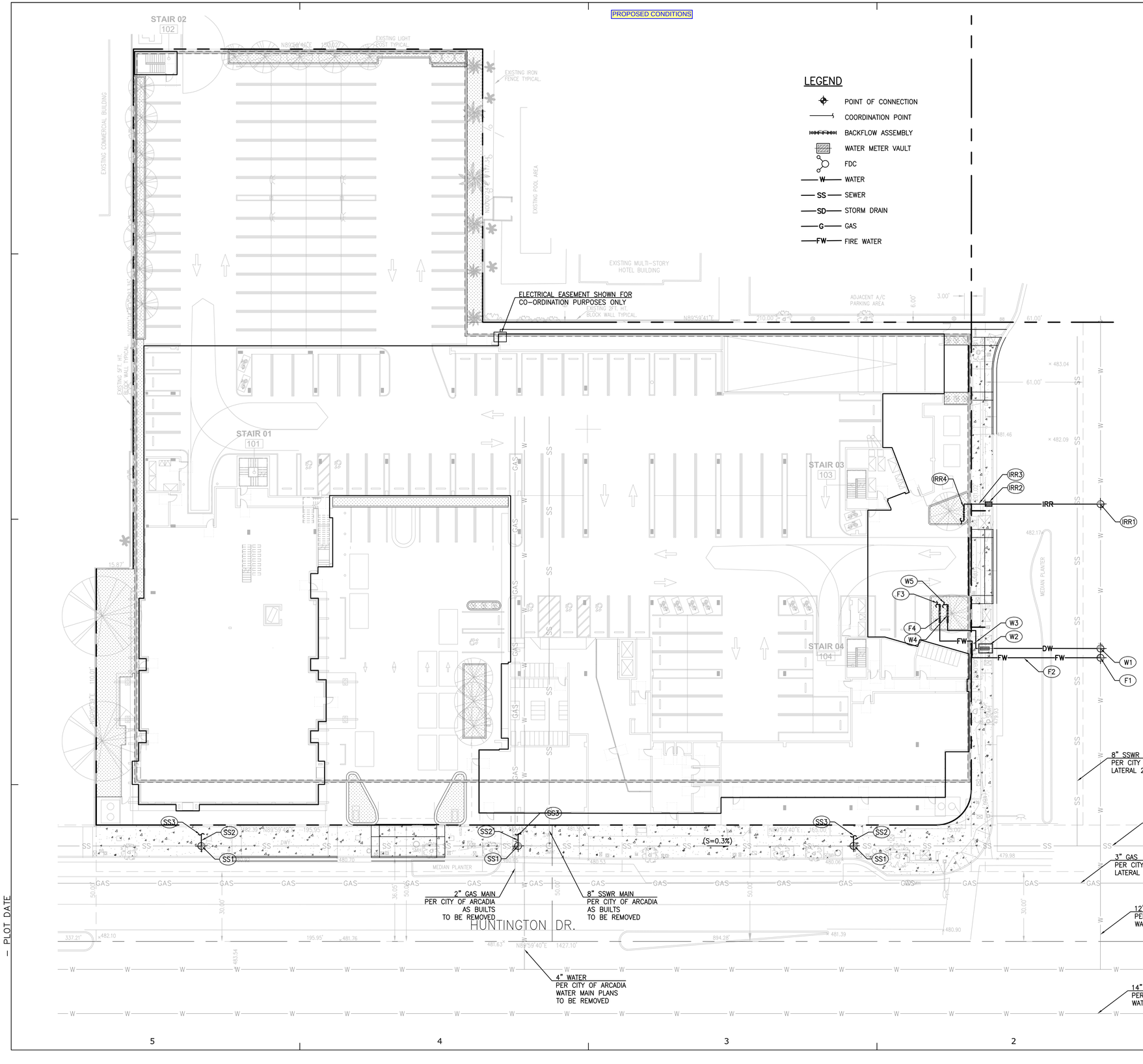
SCALE: 1" = 200'



APPENDIX C

Proposed Sewer Infrastructure

PROPOSED CONDITIONS



LEGEND

- POINT OF CONNECTION
- COORDINATION POINT
- BACKFLOW ASSEMBLY
- WATER METER VAULT
- FDC
- W — WATER
- SS — SEWER
- SD — STORM DRAIN
- G — GAS
- FW — FIRE WATER

CONSTRUCTION NOTES

SANITARY SEWER

SS1 CONTRACTOR TO LOCATE AND CONNECT TO EXISTING SEWER LATERAL. IF UNAVAILABLE, INSTALL HOUSE CONNECTION PER GREEN BOOK STANDARD PLANS

SS2 INSTALL VCP SEWER PIPE. 2% MIN SLOPE.

SS3 BUILDING POINT OF CONNECTION 5' FROM BUILDING. SEE PLUMBING DRAWING FOR CONTINUATION.

DOMESTIC WATER

W1 CONTRACTOR TO ORDER NEW DOMESTIC WATER SERVICE CONNECTION FROM CITY OF ARCADIA WATER DEPARTMENT.

W2 INSTALL DOMESTIC WATER METER.

W3 INSTALL DUCTILE IRON PIPE, CLASS 52 WATER PIPE.

W4 POINT OF CONNECTION TO THE BUILDING. SEE PLUMBING PLANS FOR CONTINUATION.

W5 INSTALL REDUCED PRESSURE BACKFLOW PREVENTER IN BASEMENT PER CITY OF ARCADIA STANDARD PLAN 712. SEE PLUMBING DRAWINGS FOR LOCATION AND CONTINUATION.

FIRE WATER

F1 CONTRACTOR TO ORDER NEW FIRE SERVICE CONNECTION FROM THE CITY OF ARCADIA WATER DEPARTMENT

F2 INSTALL DUCTILE IRON PIPE, CLASS 52 WATER PIPE. SIZE TO BE CONFIRMED WITH FIRE SPRINKLER PLANS.

F3 POINT OF CONNECTION TO THE BUILDING. SEE PLUMBING PLANS FOR CONTINUATION.

F4 INSTALL DOUBLE CHECK BACKFLOW PREVENTER PER CITY OF ARCADIA STANDARD PLAN 712 IN BASEMENT. SEE PLUMBING AND FIRE SPRINKLER PLANS FOR LOCATION AND CONTINUATION.

F5 INSTALL FIRE HYDRANT PER CITY OF ARCADIA WATER STANDARD PLAN 706

IRRIGATION WATER

IRR1 CONTRACTOR TO ORDER NEW IRRIGATION WATER SERVICE CONNECTION FROM CITY OF ARCADIA WD.

IRR2 INSTALL NEW IRRIGATION WATER METER PER IRRIGATION PLANS PER CITY OF ARCADIA STANDARD PLAN 704.

IRR3 INSTALL COPPER PIPE.

IRR4 INSTALL IRRIGATION BACKFLOW PREVENTOR. SEE LANDSCAPE DRAWINGS FOR CONTINUATION.

NOTES

1. ALL PIPING >2" FROM WATER METER TO THE BACK OF BACKFLOW PREVENTION DEVICE SHALL BE DUCTILE IRON PIPE, CLASS 52

LFA
Labib Funk + Associates
Structural | Civil Engineers
Burnett + Young
Shoring Engineers

319 Main St,
El Segundo, California 90245
t: 213/239 9700
f: 213/239 9699

LFA Job no: 22405

REGISTERED PROFESSIONAL ENGINEER
FRANCIS JOSEPH LAMOSA
No. C75121
Exp. 12/31/2023
CIVIL
STATE OF CALIFORNIA

SIGN DATE 11/01/2022

PROGRESS SET
NOT FOR CONSTRUCTION

[au]workshop
ARCHITECTS+URBANISTS

401 LINDEN STREET, SUITE 2-221
FORT COLLINS, CO, 80524
T - 970.430.5220
www.auworkshop.co

©2021

THE DERBY MIXED-USE PROJECT

233 E HUNTINGTON DR.
ARCADIA, CA 91006

PROJECT #: 2113
ISSUE DATE: 03.24.2022

PRELIMINARY
UTILITY PLAN

C400

PLOT DATE

5 4 3 2 1

D C B A

APPENDIX D

Existing Water Infrastructure

City of Arcadia

EXISITING CONDITIONS

PROJECT SITE

CABLE # 014 (12 SMFO)

E Santa Clara St

N 2nd Ave

S 2nd Ave

Indiana St

Alta St

Gateway Dr

Atchison Topeka And Santa Fe RR

Legend

- Patch Panel
- Splice Closure
- Conduit
  - Duct Bank
  - Trench
- Fiber Cable
  - 2 Strand
  - 4 Strand
  - 12 Strand
  - 24 Strand
  - 48 Strand
  - 96 Strand
  - 144 Strand
  - 288 Strand
- Inlet/Outlet
- Open Channel
  - CITY
  - LACFCD
  - OTHER
- Lateral Line
  - OTHERS
  - ARCADIA
  - LACFCD
- Maintenance Hole
  - OTHERS
  - CITY
  - LACFCD
- Catch Basins
  - ARCADIA
  - OTHERS
  - LACFCD
- Gravity Main

1: 2,257

Notes

This map was automatically generated using Geocortex Essentials.

0.1 0 0.04 0.1 Miles

WGS_1984_Web_Mercator_Auxiliary_Sphere

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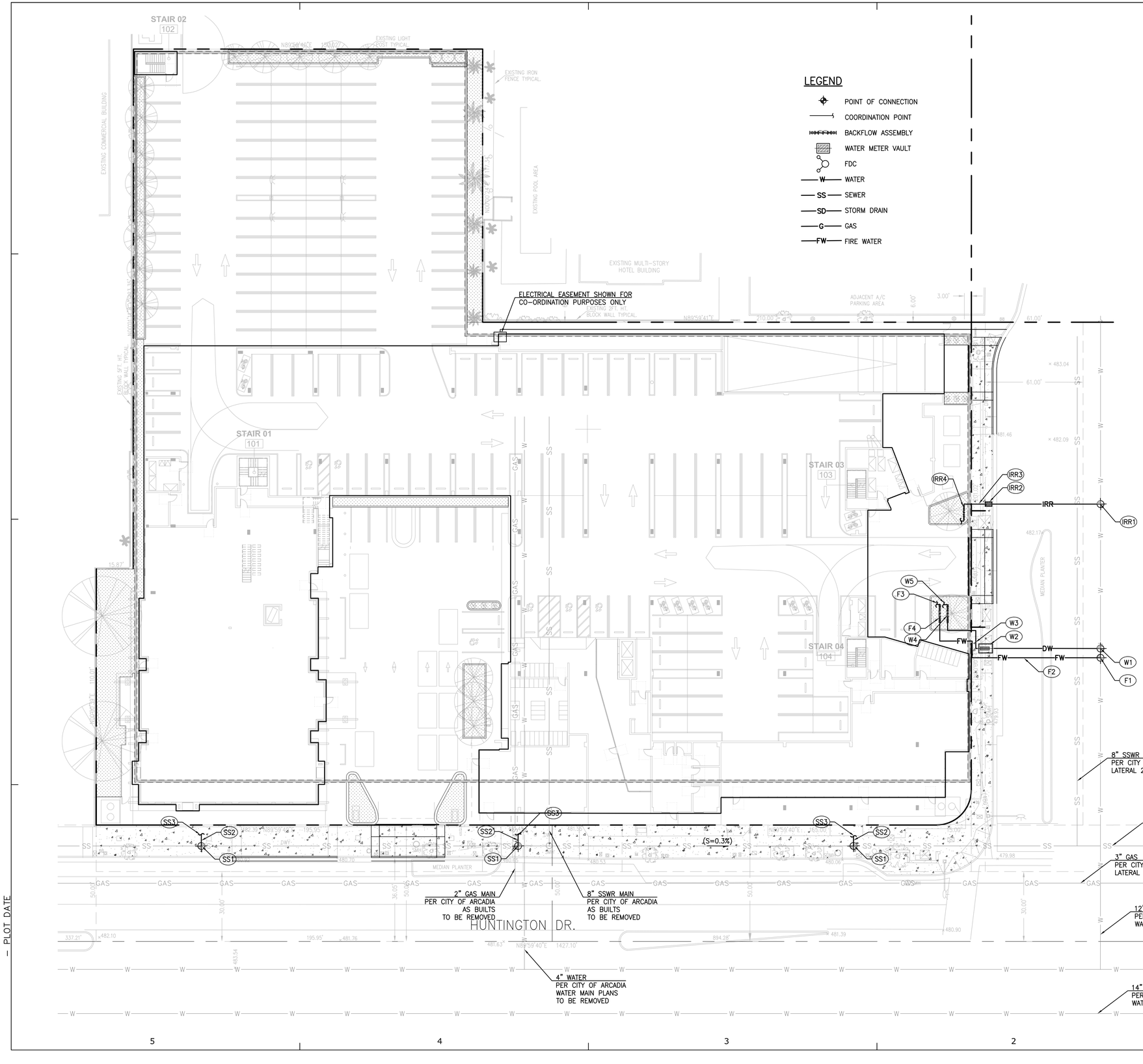
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THIS MAP IS NOT TO BE USED FOR NAVIGATION

APPENDIX E

Proposed Water Infrastructure

PROPOSED CONDITIONS



LEGEND

- POINT OF CONNECTION
- COORDINATION POINT
- BACKFLOW ASSEMBLY
- WATER METER VAULT
- FDC
- W — WATER
- SS — SEWER
- SD — STORM DRAIN
- G — GAS
- FW — FIRE WATER

CONSTRUCTION NOTES

SANITARY SEWER

(SS1) CONTRACTOR TO LOCATE AND CONNECT TO EXISTING SEWER LATERAL. IF UNAVAILABLE, INSTALL HOUSE CONNECTION PER GREEN BOOK STANDARD PLANS

(SS2) INSTALL VCP SEWER PIPE. 2% MIN SLOPE.

(SS3) BUILDING POINT OF CONNECTION 5' FROM BUILDING. SEE PLUMBING DRAWING FOR CONTINUATION.

DOMESTIC WATER

(W1) CONTRACTOR TO ORDER NEW DOMESTIC WATER SERVICE CONNECTION FROM CITY OF ARCADIA WATER DEPARTMENT.

(W2) INSTALL DOMESTIC WATER METER.

(W3) INSTALL DUCTILE IRON PIPE, CLASS 52 WATER PIPE.

(W4) POINT OF CONNECTION TO THE BUILDING. SEE PLUMBING PLANS FOR CONTINUATION.

(W5) INSTALL REDUCED PRESSURE BACKFLOW PREVENTER IN BASEMENT PER CITY OF ARCADIA STANDARD PLAN 712. SEE PLUMBING DRAWINGS FOR LOCATION AND CONTINUATION.

FIRE WATER

(F1) CONTRACTOR TO ORDER NEW FIRE SERVICE CONNECTION FROM THE CITY OF ARCADIA WATER DEPARTMENT

(F2) INSTALL DUCTILE IRON PIPE, CLASS 52 WATER PIPE. SIZE TO BE CONFIRMED WITH FIRE SPRINKLER PLANS.

(F3) POINT OF CONNECTION TO THE BUILDING. SEE PLUMBING PLANS FOR CONTINUATION.

(F4) INSTALL DOUBLE CHECK BACKFLOW PREVENTER PER CITY OF ARCADIA STANDARD PLAN 712 IN BASEMENT. SEE PLUMBING AND FIRE SPRINKLER PLANS FOR LOCATION AND CONTINUATION.

(F5) INSTALL FIRE HYDRANT PER CITY OF ARCADIA WATER STANDARD PLAN 706

IRRIGATION WATER

(IRR1) CONTRACTOR TO ORDER NEW IRRIGATION WATER SERVICE CONNECTION FROM CITY OF ARCADIA WD.

(IRR2) INSTALL NEW IRRIGATION WATER METER PER IRRIGATION PLANS PER CITY OF ARCADIA STANDARD PLAN 704.

(IRR3) INSTALL COPPER PIPE.

(IRR4) INSTALL IRRIGATION BACKFLOW PREVENTOR. SEE LANDSCAPE DRAWINGS FOR CONTINUATION.

NOTES

1. ALL PIPING >2" FROM WATER METER TO THE BACK OF BACKFLOW PREVENTION DEVICE SHALL BE DUCTILE IRON PIPE, CLASS 52

LFA
Labib Funk + Associates
Structural | Civil Engineers
Burnett + Young
Shoring Engineers

319 Main St,
El Segundo, California 90245
t: 213/239 9700
f: 213/239 9699

LFA Job no: 22405

REGISTERED PROFESSIONAL ENGINEER
FRANCIS JOSEPH LAMOSA
No. C75121
Exp. 12/31/2023
CIVIL
STATE OF CALIFORNIA

SIGN DATE 11/01/2022

PROGRESS SET
NOT FOR CONSTRUCTION

[au]workshop
ARCHITECTS+URBANISTS

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THE DERBY MIXED-USE PROJECT

233 E HUNTINGTON DR.
ARCADIA, CA 91006

PROJECT #: 2113
ISSUE DATE: 03.24.2022

PRELIMINARY
UTILITY PLAN

C400

PLOT DATE

5 4 3 2 1

D C B A

APPENDIX F

UWMP Tables

Table 4-1 Demands for Potable and Non-Potable Water - Actual

Submittal Table 4-1 Retail: Demands for Potable and Non-Potable[1] Water - Actual			
Use Type	2020 Actual		
Drop down list May select each use multiple times These are the only Use Types that will be recognized by the WUEdata online submittal tool	Additional Description (as needed)	Level of Treatment When Delivered Drop down list	Volume[2]
Add additional rows as needed			
Single Family		Drinking Water	7,994
Multi-Family		Drinking Water	2,072
Commercial		Drinking Water	1,776
Institutional/Governmental		Drinking Water	860
Landscape		Drinking Water	715
Losses		Drinking Water	518
		TOTAL	13,935

[1] *Recycled water demands are NOT reported in this table. Recycled water demands are reported in Table 6-4.*

[2] *Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.*

NOTES:

Table 4-2 Use for Potable and Non-Potable Water - Projected

Submittal Table 4-2 Retail: Use for Potable and Non-Potable[1] Water - Projected						
Use Type	Additional Description (as needed)	Projected Water Use[2] *Report To the Extent that Records are Available*				
Drop down list May select each use multiple times These are the only Use Types that will be recognized by the WUEdata online submittal tool		2025	2030	2035	2040	2045 (opt)
Add additional rows as needed						
Single Family		8,376	8,495	8,616	8,739	8,864
Multi-Family		2,171	2,202	2,233	2,265	2,297
Commercial		1,861	1,887	1,914	1,942	1,969
Institutional/Governmental		901	914	927	940	954
Landscape		749	760	771	782	793
Losses		543	550	558	566	574
	TOTAL	14,601	14,808	15,019	15,234	15,451

[1] *Recycled water demands are NOT reported in this table. Recycled water demands are reported in Table 6-4.* [2] *Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.*

NOTES:

Table 4-3 Total Gross Water Use (Potable and Non-Potable)

Submittal Table 4-3 Retail: Total Water Use (Potable and Non-Potable)						
	2020	2025	2030	2035	2040	2045 (opt)
Potable Water, Raw, Other Non-potable *From Tables 4-1R and 4-2 R*	13,935	14,601	14,808	15,019	15,234	15,451
Recycled Water Demand[1] *From Table 6-4*	0	0	0	0	0	0
Optional Deduction of Recycled Water Put Into Long-Term Storage[2]						
TOTAL WATER USE	13,935	14,601	14,808	15,019	15,234	15,451

[1] *Recycled water demand fields will be blank until Table 6-4 is complete* [2] *Long term storage means water placed into groundwater or surface storage that is not removed from storage in the same year. Supplier **may** deduct recycled water placed in long-term storage from their reported demand. This value is manually entered into Table 4-3.*

NOTES:

Appendix L-2

Sewer Area Study,
prepared by Labib Funk and Associates

Labib Funk + Associates Burnett + Young
Structural | Shoring | Civil | EBM

SEWER AREA STUDY
ESTU2017000107
FOR
233 & 301 HUNTINGTON DR
Arcadia, CA 91006

Prepared for:
Mr. Dustin Nicolarsen
233 E Huntington Dr
Arcadia, CA 91006

Prepared by:
Labib Funk + Associates
Structural | Shoring | Civil Consulting Engineers
319 Main St.
El Segundo, California 90245
LFA Job # 22405
July 11, 2023

TABLE OF CONTENTS

1.0 INTRODUCTION
2.0 SITE DESCRIPTION
3.0 PROJECT DESCRIPTION
4.0 CAPACITY ANALYSIS CRITERIA
5.0 SEWER CAPACITY ANALYSIS WITH PROPOSED PROJECT
6.0 CONCLUSION

APPENDICES

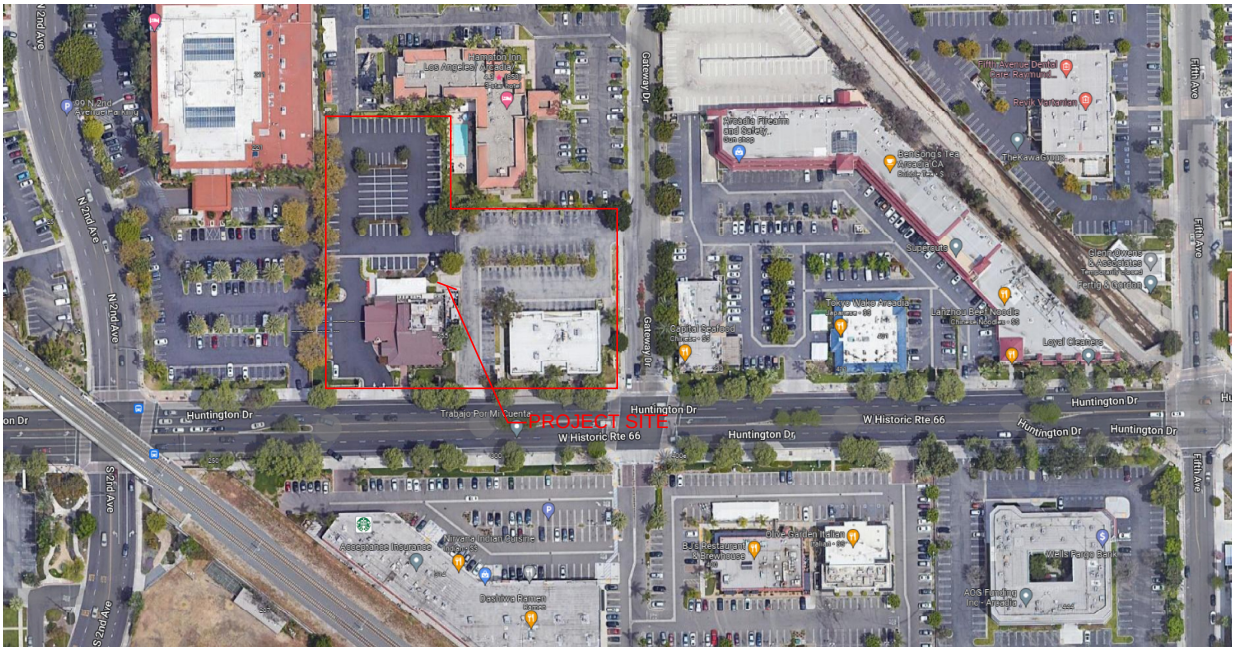
APPENDIX A SEWER STUDY MAP
APPENDIX B ZONING MAP
APPENDIX C AS BUILT PLANS
APPENDIX D FLOW CALCULATION
APPENDIX E SEWER MONITORING (ADS)
APPENDIX F ESTIMATED AVERAGE DAILY SEWAGE FLOWS FOR VARIOUS OCCUPANCIES

1 INTRODUCTION

The purpose of this sewer area study is to determine and show:

1. The capacity of the existing sewer pipes
2. The existing sewer facilities are adequate or inadequate for the proposed development.

Figure 1: Project Site Location



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2 SITE DESCRIPTION

According to the city of Arcadia, the site is identified with Assessor's Parcel Numbers (APNs) #5753-009-065 and #5753-009-070. The existing site is approximately 2.23 acres and currently consists of restaurants and an asphalt-paved parking area. The site is bounded by Huntington Dr to the South, Asphalt-paved parking areas to the west, Hampton Inn to the North, and Gateway Dr to the east.

3 PROJECT DESCRIPTION

The existing site is to be demolished which consists of two commercial structures and asphalt paved parking lots. The proposed development is a mixed-use building involving 214 residential units (53 studios, 105 one-bedroom units, 4 VLI Senior studio units, 5 VLI Senior 1-bedroom units and 49 two-bedroom units) with one (1) subterranean parking and parking at grade followed by 4 levels of residential stories which are on floors 2 through 6, and 17,553 SF of commercial retail structures.

4 CAPACITY ANALYSIS CRITERIA

The flow for existing conditions at the project site was analyzed using the County of Los Angeles Department of Public Works (LADPW) Sewer generation factors(shown in Table 2). The existing flow capacity is taken from flow monitoring done by ADS, environmental(Appendix E). The cumulative calculated flow for each segment was compared to the sewer capacity at each segment. The equation for the tributary sewer discharge is as follows:

$$Q = qA$$

Where: Q = sewer discharge (cfs); q = Average Daily Flow (gal/day).
A = Area (Acres) and Dwelling units for the apartment

All existing sewer lines/mains were obtained from as-built plans (Appendix C) from city of Arcadia and Monrovia. Capacity in these lines would be analyzed using the Kutter's Formula, zoning map (Appendix B) from the city of Arcadia website and estimated flows based on occupancies (Appendix F) from LA County. The Pipe capacity was calculated using Flow Master and manning's constant as n =0.013, refer to appendix D.

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The existing condition analysis is shown in Table 1.

Monitored Manholes	Segment		Pipe Size (in.)	Observed Peak Flow (cfs)	Observed Peak depth (in)	d/D	%Full	COMMENTS
	MH #	MH #						
MH 609-45	Upstream	609-45	8	0.39	2.57	0.32	32.1%	Below Pipe Capacity
MH 609-53	609-45	609-53	8	0.55	3.00	0.38	37.5%	Below Pipe Capacity
MH 610-70	609-53	610-70	10	0.68	3.33	0.33	33.3%	Below Pipe Capacity
MH 611-42	610-70	611-42	10	0.71	3.17	0.32	31.7%	Below Pipe Capacity
MH 611-44	611-42	611-44	10	0.77	3.63	0.36	36.3%	Below Pipe Capacity
MH 611-57	611-44	611-57	12	0.72	4.48	0.37	37.3%	Below Pipe Capacity

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5 SEWER CAPACITY ANALYSIS WITH PROPOSED PROJECT

The proposed project changes the existing zoning of commercial to mixed usage which increases the developed area marginally.

The analysis of sewer capacity based on the proposed condition is shown in Table 2 below.

Monitored Manholes	Segment		Area (Acres)	Occupancy	Description	No. units or seats (restaurant) or SF	Average Daily Flow (gal/day) per unit/sf/seat	gal/day	Flow (cfs)	Peak Flow (cfs)	Existing flow to be removed	Proposed peak flow	Monitored Flow (cfs)	Cumulative flow (cfs)	Pipe Size (in.)	Calculated Normal depth based on the proposed development (in)	d/D	%Full	COMMENTS
	MH #	MH #																	
MH 609-45	Project site	609-45	2.23	Existing Project site to remove flow data	Restaurant	9012	1000	9012.0	0.013944	0.035	-0.03	-	-	-0.03	8	3.76	0.47	47.0%	Below Pipe Capacity
			2.23	New Mixed Design Building (205 Residential Units & café/restaurant)	Restaurant/café	349	50	17450	0.026999	0.067		0.23	-	0.20					
					Studio	51	150	7650	0.011836	0.030									
					1 Bed	105	200	21000	0.032492	0.081									
					VLI Studio	4	150	600	0.000928	0.002									
					VLI 1 Bed	5	200	1000	0.001547	0.004									
					2 Bed	49	250	12250	0.018954	0.047									
	Upstream	609-45	Ex. Flow Data from ADS									-	0.39	0.59					
MH 609-53	609-45	609-53	Ex. Flow Data from ADS								N/A	-	0.55	0.74	8	4.30	0.54	53.8%	Below Pipe Capacity
MH 610-70	609-53	610-70	Ex. Flow Data from ADS									-	0.68	0.88	10	4.47	0.45	44.7%	Below Pipe Capacity
MH 611-42	610-70	611-42	Ex. Flow Data from ADS									-	0.71	0.91	10	4.18	0.42	41.8%	Below Pipe Capacity
MH 611-44	611-42	611-44	Ex. Flow Data from ADS									-	0.77	0.97	10	4.66	0.47	46.6%	Below Pipe Capacity
MH 611-57	611-44	611-57	Ex. Flow Data from ADS									-	0.72	0.92	12	5.80	0.48	48.3%	Below Pipe Capacity

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6 CONCLUSION

Based on the analysis presented above there is a nominal increase in the flow depth between the Manholes 609-45 and 609-53. Using engineering judgement, it is feasible to conclude that the increase in the flow depth will be non-impactful to the existing network and would not bring a life safety issue.

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APPENDIX A
SEWER STUDY MAP

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CITY OF ARCADIA

SEWER ATLAS SHEET NO. *608*

SCALE: 1" = 200'

PROJECT SITE
THE DERBY

WHEELER AV
INDIANA ST
2ND
DR
GATEWAY
SANTA ANITA
HUNTINGTON DR
1ST AV
DR
1ST ST
ALTA ST
BONITA ST
CALIFORNIA
BONITA PARK
AV
2ND ST
3RD ST
BONITA PARK ELEM & CONT H S
5TH AV

608_MH 003
608_MH 002
608_MH 019
608_MH 020
608_MH 005
608_MH 022
608_MH 023
608_MH 024
608_MH 021
608_MH 026
608_MH 027
608_MH 028
608_MH 041
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608_MH 054
608_MH 016
608_MH 045
608_MH 048
608_MH 049
608_MH 050
608_MH 051
608_MH 040
608_MH 065

15" VCP 1.992%
8" VCP 0.60%
15" VCP 1.20%
8" VCP 0.40%
8" VCP 0.4%
8" VCP 3.10%
8" VCP 0.32%
8" VCP 2.00%
8" VCP 1.44%
8" VCP 0.60%
8" VCP 2.0%
8" VCP 0.80%
8" VCP 0.32%
8" VCP 0.88%
8" VCP 0.70%
8" VCP 0.5%
8" VCP 0.56%
8" VCP 0.4%
8" VCP 1.407%
15" VCP 1.344%
8" VCP 1.07%
8" VCP 0.50%
8" VCP 1.17%
8" VCP 0.32%

CITY OF ARCADIA

SEWER ATLAS SHEET NO. *609*

SCALE: 1" = 200'



CITY OF ARCADIA

SEWER ATLAS SHEET NO. *610*

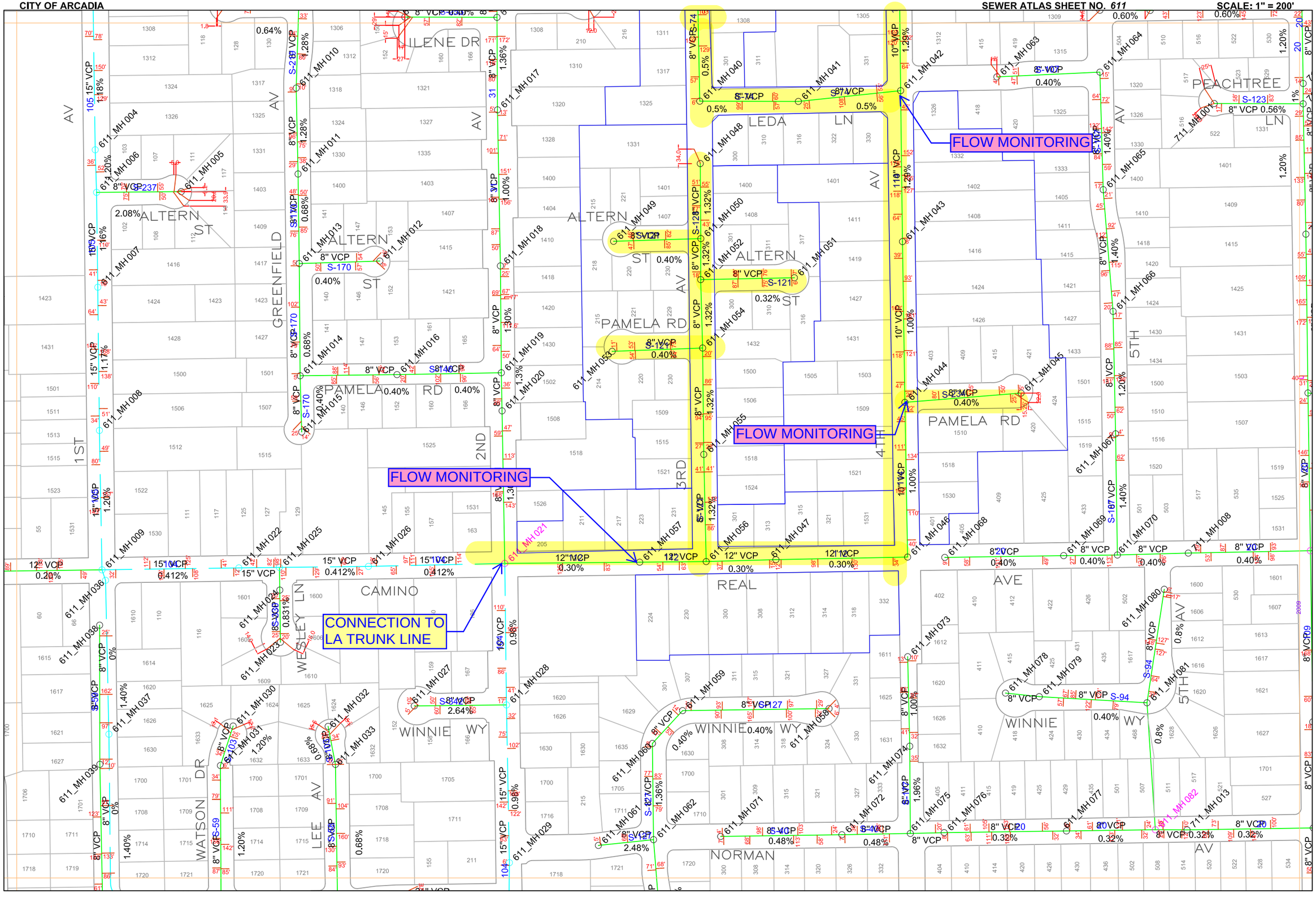
SCALE: 1" = 200'

FLOW MONITORING

CITY OF ARCADIA

SEWER ATLAS SHEET NO. *611*

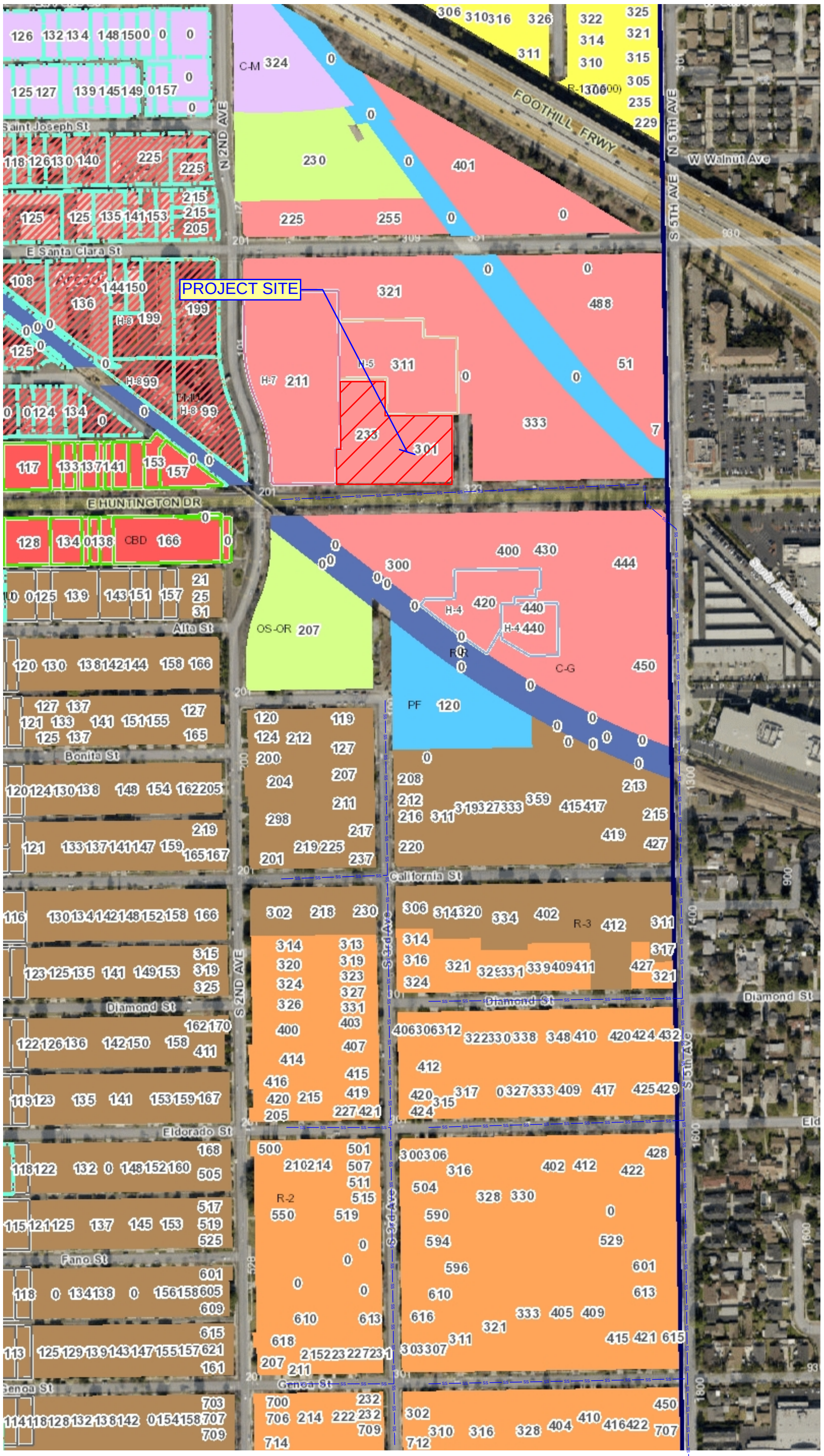
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APPENDIX B
ZONING MAP

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City of Arcadia



Legend

- Addresses
- City Boundary
  - Arcadia City Boundary
  - Sphere of Influence
- Zoning Label
- Downtown Overlay
- Downtown Parking Overlay
- Parking Overlay
- Racetrack Event Overlay
- Residential Flex Overlay
- Special Height Overlay
  - H
  - Four stories or forty-five feet (H-4)
  - Five stories or fifty-five feet (H-5)
  - Six stories or sixty-five feet (H-6)
  - Seven stories or seventy-five feet (H-7)
  - Eight stories or ninety-five feet (H-8)
- Zoning
  - R-O (22,000)
  - R-O (15,000)
  - R-O (30,000)
  - Residential Mountainous (R-M)
  - Low Density Residential (R-O)
  - R-1 (15,000)
  - R-1 (12,500)
  - R-1 (7,500)
  - Low Density Residential (R-1)
  - Medium Density Residential (R-2)
  - High Density Residential (R-3)
  - Restricted High Density Residential (R-3-R)
  - Central Business District (CBD)
  - General Commercial (C-G)
  - Professional Office (C-O)
  - Regional Commercial (C-R)
  - Open Space - Outdoor Recreation (OS-OR)
  - Open Space - Resource Protection (OS-RP)
  - Mixed Use (MU)
  - Downtown Mixed Use (DMU)
  - Commercial Manufacturing (C-M)
  - Industrial (M-1)
  - Public Facilities (PF)
  - Special Uses (S-1)
  - Rail Right-of Way (R-R)
  - Arcadia Logistics Center Specific Plan (SP-ALC)
  - Specific Plan-Arroyo Pacific (SP-AP)
  - Santa Anita Specific Plan (SP-SA1)
  - Seabiscuit Pacfica Specific Plan (SP-SP)

1: 4,514

Notes

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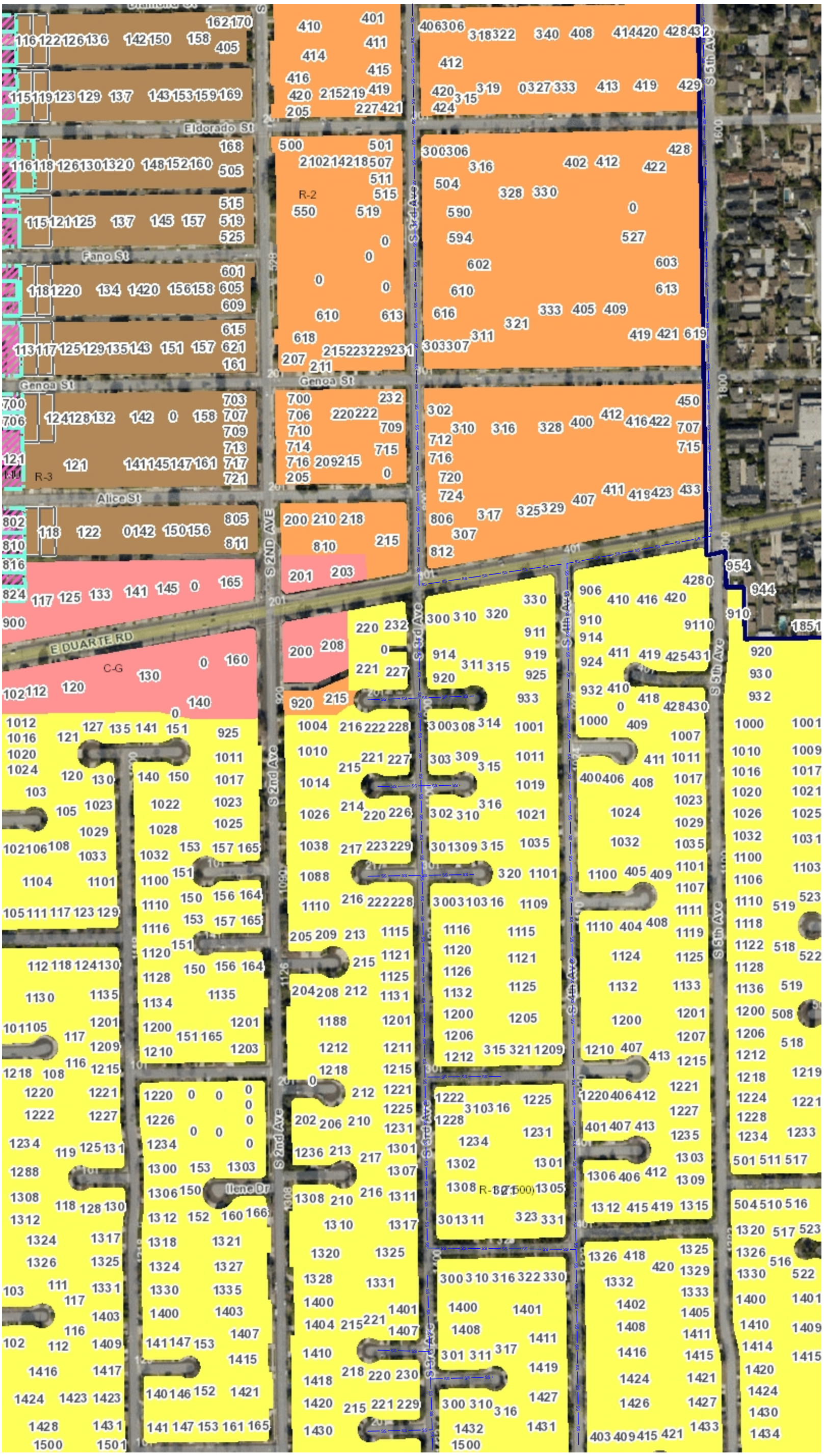
0.1 0 0.07 0.1 Miles

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City of Arcadia



Legend

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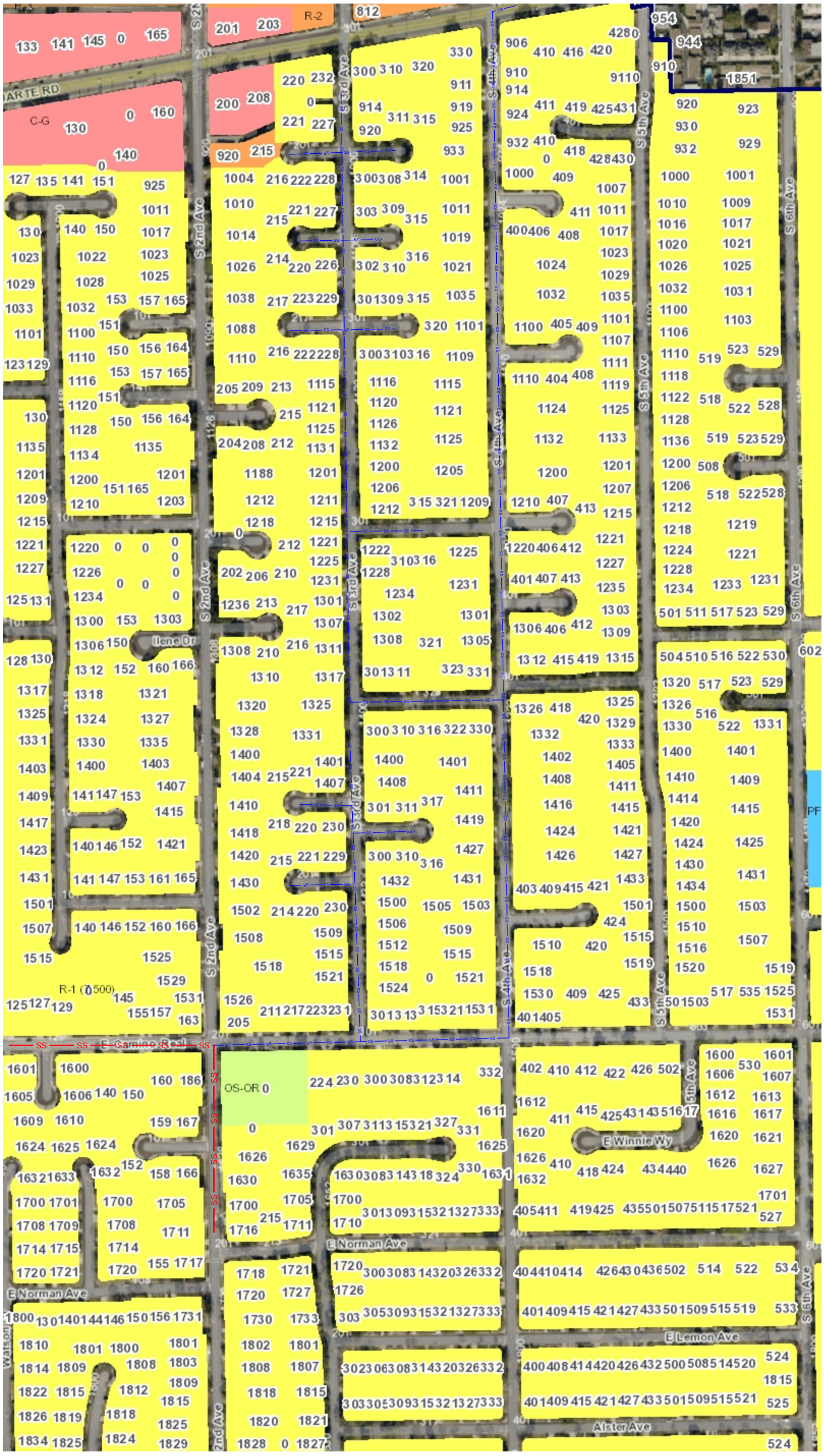
0.1 0 0.07 0.1 Miles

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City of Arcadia



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1: 4,514

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0.1 0 0.07 0.1 Miles

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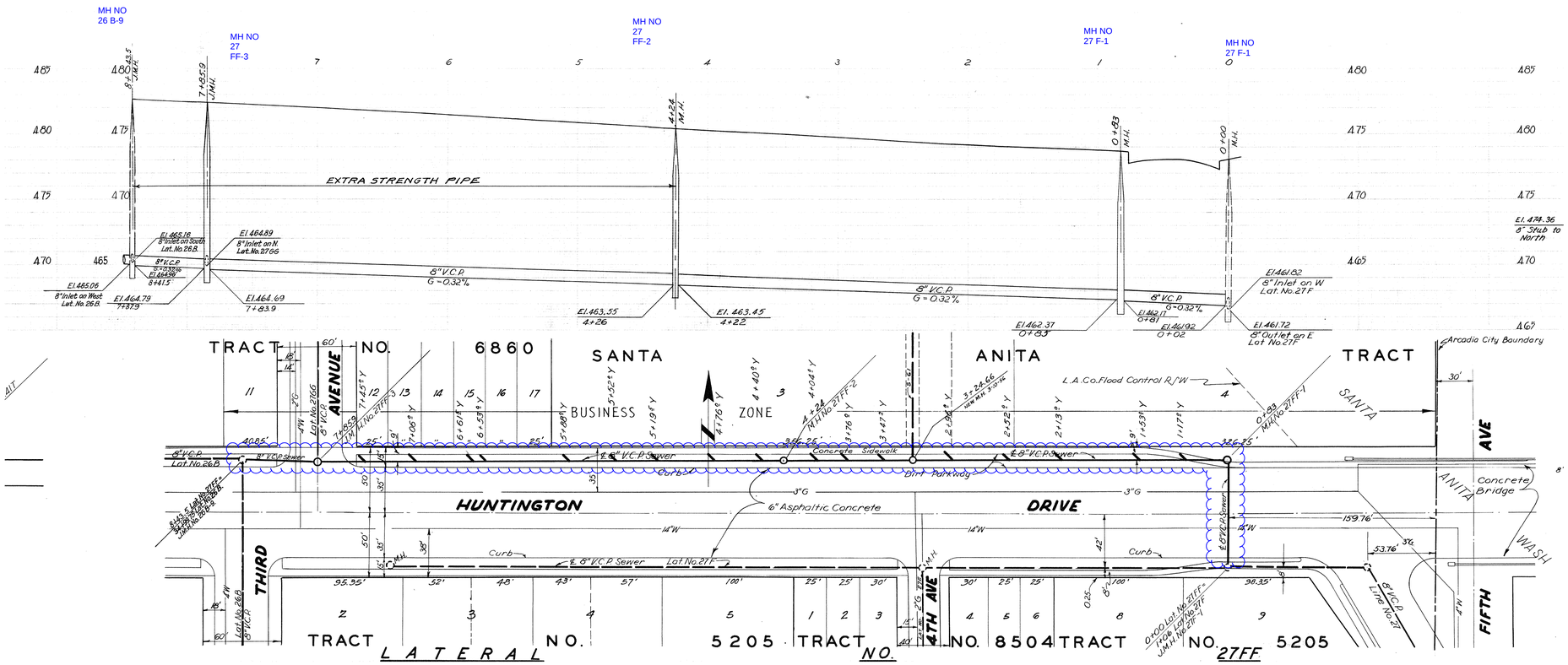
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Map Printed: November 1, 2022

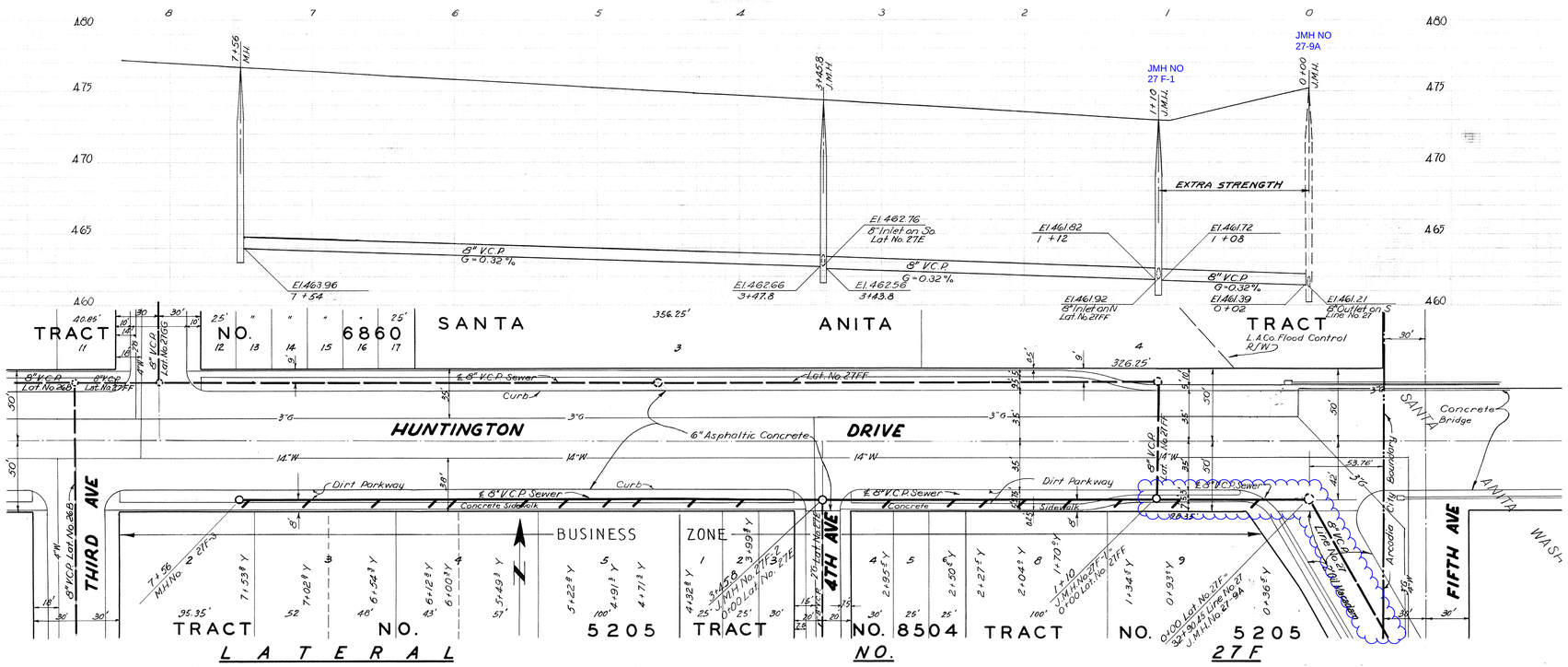
APPENDIX C
AS BUILT PLANS

319 Main St,
El Segundo, California 90245
t:213/239 9700
info@labibse.com
www.labibse.com

CITY OF ARCADIA AS BUILTS
CONNECTING TO SEWER MAIN ON THE WEST SIDE
OF CL OF HUNTINGTON DR.



CITY OF ARCADIA AS BUILTS
CONNECTING FROM THE EAST SIDE OF CL OF HUNTINGTON DR.
TO TRUNK LINE ON THE SOUTH SIDE OF 5TH AVE



CITY OF MONROVIA AS BUILTS
CONNECTING FROM THE NORTH SIDE OF CL OF 5TH AVE TO TRUNK LINE ON 5TH AVE

S.A. MAP
D.C. 3-75
D.C. 800121
D.C. 820311
D.C. 821208
C.C. 980715

SEE MAP 131

WALNUT

CHESTNUT

HUNTINGTON

KING ST.

MAPLE AVE

PARKER AVE.

ESPLANADE (SR 19)

HIGHWAY

DRIVE

MONROVIA AVE

CITY

FIFTH AVE

ENCINO AVE

MONTEREY AVE

ARCADIA TRUNK LINE.

SANTA ANITA WASH L.A.C.F.C.D. EAST'T

PART OF SANTA ANITA FOOTHILL TRACT

TRACT

MB 504 36-37

MR 34-41,42

PM 7938 MB 94-29

POR. ABANDONED

PLUGGED

ABANDONED

(1997) 12" C-2778

C-2319

C-2093

C-7251

C-2297

ALTA 277' ST

210 FWY. POINT SHEET NO. 113

FREEWAY

(STATE)

DETAIL 1

SEE MAP 151

SEE MAP 142

1/141

20' STORM DRAIN EASEMENT

BASE MAP
A.I. 12-6-61
T.M. ALIG 31, 1944
T.M. MAY, 1946
P.M. 9/12/62
P.M. M-N-67
P.M. 11-24-67
P.M. 2-2-68
A.S. 10-17-68
CHECKED OCT. '69 E.S.A.
T.M. 12-16-71
T.M. 4-20-72
D.C. 780515
D.C. 780810
D.C. 800121
D.C. 810305

CONSTRUCTION RECORD			W. O. No.
DATE STARTED	DATE COMPLETED	REVISION	DATE BY
REVISION DATE BY		REVISION	DATE BY
REVISION DATE BY		REVISION	DATE BY

WATER DEPARTMENT
SEWER DEPARTMENT
DRAWING CHECK
FIELD CHECK
OFFICE CHECK
PLANNING COMMISSION
GRADING

CITY OF MONROVIA
ENGINEERING DEPARTMENT

SEWER ATLAS

APPROVED _____ CITY ENGINEER
DATE
SCALE
DRAWN BY
DESIGNED BY
CHECKED BY
FIELD BOOKS
CHANGED DATE O.K.
DRAWING NUMBER

APPENDIX D
FLOW CALCULATIONS

319 Main St,
El Segundo, California 90245
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www.labibse.com

PROJECT SITE - MH 609 45

Project Description

Friction Method	Manning Formula
Solve For	Normal Depth

Input Data

Roughness Coefficient	0.013	
Channel Slope	0.01170	ft/ft
Diameter	8.00	in
Discharge	0.59	ft³/s

Results

Normal Depth	3.77	in
Flow Area	0.16	ft²
Wetted Perimeter	1.01	ft
Hydraulic Radius	1.92	in
Top Width	0.67	ft
Critical Depth	0.36	ft
Percent Full	47.1	%
Critical Slope	0.00731	ft/ft
Velocity	3.65	ft/s
Velocity Head	0.21	ft
Specific Energy	0.52	ft
Froude Number	1.31	
Maximum Discharge	1.41	ft³/s
Discharge Full	1.31	ft³/s
Slope Full	0.00238	ft/ft
Flow Type	SuperCritical	

GVF Input Data

Downstream Depth	0.00	in
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	in
Profile Description		
Profile Headloss	0.00	ft
Average End Depth Over Rise	0.00	%
Normal Depth Over Rise	47.11	%
Downstream Velocity	Infinity	ft/s

PROJECT SITE - MH 609 45

GVF Output Data

Upstream Velocity	Infinity	ft/s
Normal Depth	3.77	in
Critical Depth	0.36	ft
Channel Slope	0.01170	ft/ft
Critical Slope	0.00731	ft/ft

CROSS SECTION

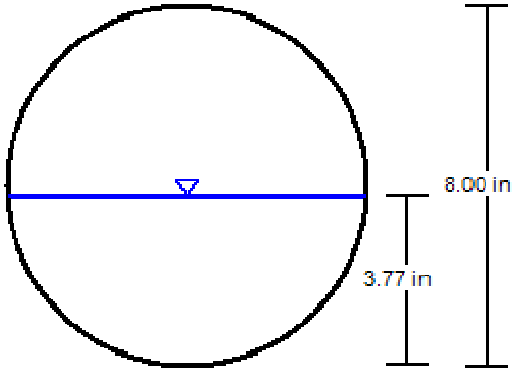
Project Description

Friction Method	Manning Formula
Solve For	Normal Depth

Input Data

Roughness Coefficient	0.013	
Channel Slope	0.01170	ft/ft
Normal Depth	3.77	in
Diameter	8.00	in
Discharge	0.59	ft³/s

Cross Section Image



V: 1
H: 1

MH 609 45 - MH 609 53

Project Description

Friction Method	Manning Formula
Solve For	Normal Depth

Input Data

Roughness Coefficient	0.013	
Channel Slope	0.01180	ft/ft
Diameter	8.00	in
Discharge	0.74	ft³/s

Results

Normal Depth	4.30	in
Flow Area	0.19	ft²
Wetted Perimeter	1.10	ft
Hydraulic Radius	2.09	in
Top Width	0.66	ft
Critical Depth	0.41	ft
Percent Full	53.7	%
Critical Slope	0.00791	ft/ft
Velocity	3.87	ft/s
Velocity Head	0.23	ft
Specific Energy	0.59	ft
Froude Number	1.27	
Maximum Discharge	1.41	ft³/s
Discharge Full	1.31	ft³/s
Slope Full	0.00375	ft/ft
Flow Type	SuperCritical	

GVF Input Data

Downstream Depth	0.00	in
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	in
Profile Description		
Profile Headloss	0.00	ft
Average End Depth Over Rise	0.00	%
Normal Depth Over Rise	53.72	%
Downstream Velocity	Infinity	ft/s

MH 609 45 - MH 609 53

GVF Output Data

Upstream Velocity	Infinity	ft/s
Normal Depth	4.30	in
Critical Depth	0.41	ft
Channel Slope	0.01180	ft/ft
Critical Slope	0.00791	ft/ft

CROSS SECTION

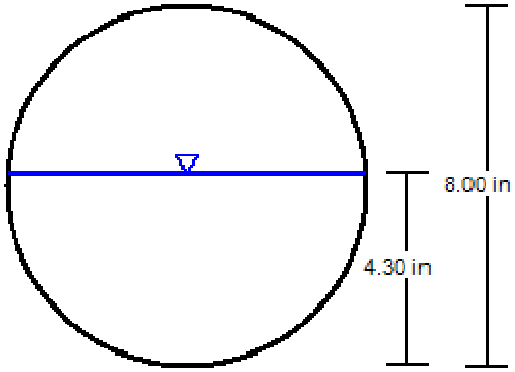
Project Description

Friction Method	Manning Formula
Solve For	Normal Depth

Input Data

Roughness Coefficient	0.013	
Channel Slope	0.01180	ft/ft
Normal Depth	4.30	in
Diameter	8.00	in
Discharge	0.74	ft³/s

Cross Section Image



V: 1
H: 1

MH 609 53 - 610 70

Project Description

Friction Method	Manning Formula
Solve For	Normal Depth

Input Data

Roughness Coefficient	0.013	
Channel Slope	0.00950	ft/ft
Diameter	10.00	in
Discharge	0.88	ft³/s

Results

Normal Depth	4.47	in
Flow Area	0.24	ft²
Wetted Perimeter	1.22	ft
Hydraulic Radius	2.32	in
Top Width	0.83	ft
Critical Depth	0.42	ft
Percent Full	44.7	%
Critical Slope	0.00652	ft/ft
Velocity	3.73	ft/s
Velocity Head	0.22	ft
Specific Energy	0.59	ft
Froude Number	1.23	
Maximum Discharge	2.30	ft³/s
Discharge Full	2.14	ft³/s
Slope Full	0.00161	ft/ft
Flow Type	SuperCritical	

GVF Input Data

Downstream Depth	0.00	in
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	in
Profile Description		
Profile Headloss	0.00	ft
Average End Depth Over Rise	0.00	%
Normal Depth Over Rise	44.70	%
Downstream Velocity	Infinity	ft/s

MH 609 53 - 610 70

GVF Output Data

Upstream Velocity	Infinity	ft/s
Normal Depth	4.47	in
Critical Depth	0.42	ft
Channel Slope	0.00950	ft/ft
Critical Slope	0.00652	ft/ft

CROSS SECTION

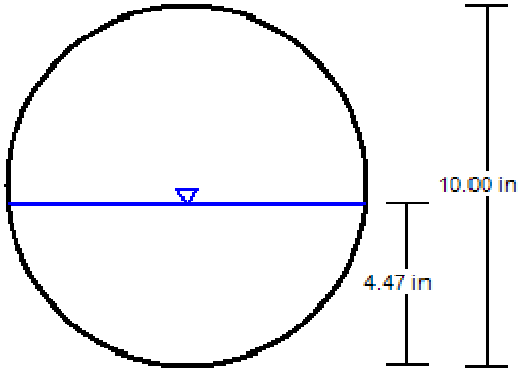
Project Description

Friction Method	Manning Formula
Solve For	Normal Depth

Input Data

Roughness Coefficient	0.013	
Channel Slope	0.00950	ft/ft
Normal Depth	4.47	in
Diameter	10.00	in
Discharge	0.88	ft³/s

Cross Section Image



V: 1
H: 1

MH 610 70 - 611 42

Project Description

Friction Method	Manning Formula
Solve For	Normal Depth

Input Data

Roughness Coefficient	0.013	
Channel Slope	0.01290	ft/ft
Diameter	10.00	in
Discharge	0.91	ft³/s

Results

Normal Depth	4.18	in
Flow Area	0.22	ft²
Wetted Perimeter	1.17	ft
Hydraulic Radius	2.21	in
Top Width	0.82	ft
Critical Depth	0.42	ft
Percent Full	41.8	%
Critical Slope	0.00657	ft/ft
Velocity	4.21	ft/s
Velocity Head	0.28	ft
Specific Energy	0.62	ft
Froude Number	1.45	
Maximum Discharge	2.68	ft³/s
Discharge Full	2.49	ft³/s
Slope Full	0.00173	ft/ft
Flow Type	SuperCritical	

GVF Input Data

Downstream Depth	0.00	in
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	in
Profile Description		
Profile Headloss	0.00	ft
Average End Depth Over Rise	0.00	%
Normal Depth Over Rise	41.83	%
Downstream Velocity	Infinity	ft/s

CROSS SECTION

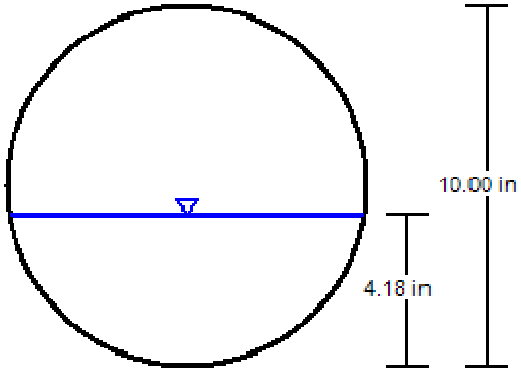
Project Description

Friction Method	Manning Formula
Solve For	Normal Depth

Input Data

Roughness Coefficient	0.013	
Channel Slope	0.01290	ft/ft
Normal Depth	4.18	in
Diameter	10.00	in
Discharge	0.91	ft³/s

Cross Section Image



V: 1
H: 1

MH 610 70 - 611 42

GVF Output Data

Upstream Velocity	Infinity	ft/s
Normal Depth	4.18	in
Critical Depth	0.42	ft
Channel Slope	0.01290	ft/ft
Critical Slope	0.00657	ft/ft

MH 611 42 - 611 44

Project Description

Friction Method	Manning Formula
Solve For	Normal Depth

Input Data

Roughness Coefficient	0.013	
Channel Slope	0.01000	ft/ft
Diameter	10.00	in
Discharge	0.97	ft³/s

Results

Normal Depth	4.66	in
Flow Area	0.25	ft²
Wetted Perimeter	1.25	ft
Hydraulic Radius	2.39	in
Top Width	0.83	ft
Critical Depth	0.44	ft
Percent Full	46.6	%
Critical Slope	0.00667	ft/ft
Velocity	3.90	ft/s
Velocity Head	0.24	ft
Specific Energy	0.62	ft
Froude Number	1.25	
Maximum Discharge	2.36	ft³/s
Discharge Full	2.19	ft³/s
Slope Full	0.00196	ft/ft
Flow Type	SuperCritical	

GVF Input Data

Downstream Depth	0.00	in
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	in
Profile Description		
Profile Headloss	0.00	ft
Average End Depth Over Rise	0.00	%
Normal Depth Over Rise	46.58	%
Downstream Velocity	Infinity	ft/s

MH 611 42 - 611 44

GVF Output Data

Upstream Velocity	Infinity	ft/s
Normal Depth	4.66	in
Critical Depth	0.44	ft
Channel Slope	0.01000	ft/ft
Critical Slope	0.00667	ft/ft

CROSS SECTION

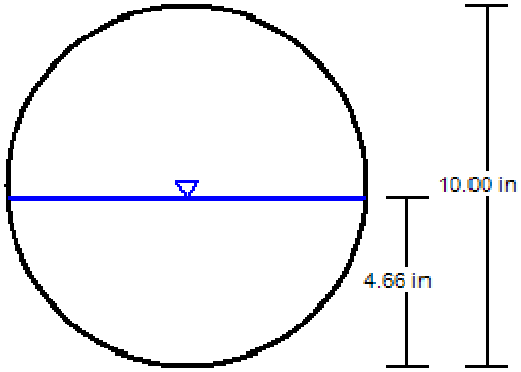
Project Description

Friction Method	Manning Formula
Solve For	Normal Depth

Input Data

Roughness Coefficient	0.013	
Channel Slope	0.01000	ft/ft
Normal Depth	4.66	in
Diameter	10.00	in
Discharge	0.97	ft³/s

Cross Section Image



V: 1
H: 1

MH 611 44 - 611 57

Project Description

Friction Method	Manning Formula
Solve For	Normal Depth

Input Data

Roughness Coefficient	0.013	
Channel Slope	0.00300	ft/ft
Diameter	12.00	in
Discharge	0.92	ft³/s

Results

Normal Depth	5.80	in
Flow Area	0.38	ft²
Wetted Perimeter	1.54	ft
Hydraulic Radius	2.93	in
Top Width	1.00	ft
Critical Depth	0.40	ft
Percent Full	48.3	%
Critical Slope	0.00576	ft/ft
Velocity	2.45	ft/s
Velocity Head	0.09	ft
Specific Energy	0.58	ft
Froude Number	0.70	
Maximum Discharge	2.10	ft³/s
Discharge Full	1.95	ft³/s
Slope Full	0.00067	ft/ft
Flow Type	SubCritical	

GVF Input Data

Downstream Depth	0.00	in
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	in
Profile Description		
Profile Headloss	0.00	ft
Average End Depth Over Rise	0.00	%
Normal Depth Over Rise	48.30	%
Downstream Velocity	Infinity	ft/s

MH 611 44 - 611 57

GVF Output Data

Upstream Velocity	Infinity	ft/s
Normal Depth	5.80	in
Critical Depth	0.40	ft
Channel Slope	0.00300	ft/ft
Critical Slope	0.00576	ft/ft

CROSS SECTION

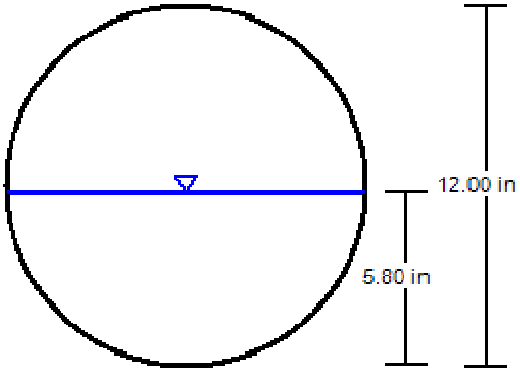
Project Description

Friction Method	Manning Formula
Solve For	Normal Depth

Input Data

Roughness Coefficient	0.013	
Channel Slope	0.00300	ft/ft
Normal Depth	5.80	in
Diameter	12.00	in
Discharge	0.92	ft³/s

Cross Section Image



V: 1
H: 1

APPENDIX E
FLOW MONITORING DATA (ADS)

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El Segundo, California 90245
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www.labibse.com

4th Ave Sewer Flow Monitoring, Arcadia, CA 2023

Final Report Submitted to **Top Commercial Realty, Inc.**
February 27, 2023



ADS ENVIRONMENTAL SERVICES

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Huntsville, AL 35806

800-633-7246
www.adsenv.com

4th Avenue Sewer Flow Monitoring, Arcadia, CA 2023

Prepared For:

Dustin Nicolarsen c/o Linda Vidov
Top Commercial Realty, Inc.
100 W. Lemon Avenue Ste. 100
Monrovia, CA 91016

Prepared By:

ADS, LLC
15203 Springdale Street
Huntington Beach, CA 92649

February 27, 2023

Dustin Nicolarsen c/o Linda Vidov
Top Commercial Realty, Inc.
100 W. Lemon Avenue Ste. 100
Monrovia, CA 91016

SUBJECT: 4th Ave Sewer Flow Monitoring, Arcadia, CA 2023

Dear Linda Vidov,

ADS is pleased to submit the report for the 4th Avenue Sewer Flow Monitoring Arcadia, CA study completed on behalf of Top Commercial Realty Inc. The metering was conducted at six (6) locations. The study was conducted during the period of Saturday, 28 January 2023 to Wednesday, 22 February 2023.

The report contains depth, velocity, and quantity hydrographs as well as daily long tables for the metering period. An Excel file containing depth, quantity, and velocity entities for the monitoring location in 5-minute format was provided previously.

In addition, we would be happy to further explain any details about the report that may seem unclear. Should you have any questions or comments, you may contact the Project Manager, Paul Mitchell at 714.379.9778 xt.223.

It has been our pleasure to be of service to you in the performance of this project. Thank you for choosing ADS products and services to meet your flow monitoring needs.

Sincerely,
ADS ENVIRONMENTAL SERVICES

Sean O'Donnell
Hydraulic Data Analyst

Scope and Methodology

Introduction

Top Commercial Realty, Inc. entered into an agreement with ADS Environmental Services to conduct flow monitoring at (6) six flow locations in the Arcadia, CA Sanitary Collection System. The study was scheduled for a period of (7) seven days. Please note that site MH057 has a different monitoring period than the other locations due to originally being installed one manhole upstream of the desired location. Once in place, the flow monitoring equipment was to be used to measure depth, velocity, and to quantify flows. The objective of this study was to confirm flows from this area for planning purposes.

Project Scope

The scope of this study involved using a flow monitor to quantify wastewater flow at the designated locations for the study period. Specifically, the study included the following key components.

- Investigate the proposed flow-monitoring site for adequate hydraulic conditions
- Flow monitor installation
- Flow monitor confirmations and data collections
- Flow data analysis

Equipment installation was completed on January 27, 2023. The monitoring period began on January 28, 2023 and was completed on February 22, 2023. Upon completion of the study, equipment was removed from the system.

Flow Monitoring Equipment





The ***ADS FlowShark Triton*** monitor was selected for this project. This flow monitor is an area velocity flow monitor that uses both the Continuity and Manning's equations to measure flow.

The ADS FlowShark Triton monitor consists of data acquisition sensors and a battery-powered microcomputer. The microcomputer includes a processor unit, data storage, and an on-board clock to control and synchronize the sensor recordings. The monitor was programmed to acquire and store depth of flow and velocity readings at 5-minute intervals.

The FS Triton monitor features cross-checking using multiple technologies in each sensor for continuous running of comparisons and tolerances. The FS Triton monitor can support two (2) sets of sensors. The sensor option used for this project was:

The Peak Combo Sensor installed at the bottom of the pipe includes three types of data acquisition technologies.

The ***up looking ultrasonic depth*** uses sound waves from two independent transceivers to measure the distance from the sensor upward toward the flow surface; applying the speed of sound in the water and the temperature measured by sensor to calculate depth.

The ***pressure depth*** is calculated by using a piezo-resistive crystal to determine the difference between hydrostatic and atmospheric pressure. The pressure sensor is temperature compensated and vented to the atmosphere through a desiccant filled breather tube.

To obtain ***peak velocity*****,** the sensor sends an ultrasonic signal at an angle upward through the widest cross-section of the oncoming flow. The signal is reflected by suspended particles, air bubbles, or organic matter with a frequency shift proportional to the velocity of the reflecting objects. The reflected signal is received by the sensor and processed using digital spectrum analysis to determine the peak flow velocity.

Installation

Installation of flow monitoring equipment typically proceeds in four steps. First, the site is investigated for safety and to determine physical and hydraulic suitability for the flow monitoring equipment. Second, the equipment is physically installed at the selected location. Third, the monitor is tested to assure proper operation of the velocity and depth of flow sensors and verify that the monitor clock is operational and synchronized to the master computer clock. Fourth, the depth and velocity sensors are confirmed and line confirmations are performed.

In pipes up to 42 inches in diameter, the sensors were mounted on expandable stainless-steel rings, inserted at least a foot upstream into influent pipes and tightened against the inside walls of the pipes. Influent pipe installations reduce the influences of turbulence and backwater often caused by changes in channel geometry in manholes.





Data Collection, Confirmation, and Quality Assurance

Data collects were done remotely via wireless connect on a weekly basis. As needed, during the monitoring period, field crews visit each monitoring location to verify proper monitor operation and document field conditions. The following quality assurance steps are taken to assure the integrity of the collected data:

Measure power supplies: monitors were powered by dry cell battery packs. Voltages were recorded and battery packs replaced, as necessary. Separate batteries provided back-up power to memory allowing primary batteries to be replaced without loss of data.

Clock synchronization: Field crews synchronized monitor clocks to master clocks.

Confirm depth and velocity readings: Field crews descended into meter manholes to manually measure depths and velocities and compare the meter readings to confirm that they agreed. The site met the criteria for confirmation for depth and velocity unless noted otherwise in the site commentary section. They also measured silt levels, if any, in the inverts of the pipes. Silt areas were subtracted from flow areas to compute true areas of flow.

Confirm average velocities through cross-sectional velocity profiles: Since ADS velocity sensors measure peak velocity, field crews collected cross-sectional velocity profiles in order to develop a relationship between peak and average velocity in lines that meet the hydraulic criteria.

Upload and Review Data: Data collected from the monitors were uploaded and reviewed by a Data Analyst for completeness, outliers and deviations in the flow patterns, which indicate system anomalies or equipment failure.

Flow Quantification Methods

There are two main equations used to measure open channel flow: the ***Continuity Equation*** and the ***Manning Equation.*** The Continuity Equation, which is considered the most accurate, can be used if both depth of flow and velocity are available. In cases where velocity measurements are not available or not practical to obtain, the Manning Equation can be used to estimate velocity from the depth data based on certain physical characteristics of the pipe (i.e. the slope and roughness of the pipe being measured). However, the Manning equation assumes uniform, steady flow hydraulic conditions with non-varying roughness, which are typically invalid assumptions in most sanitary sewers. The Continuity Equation was used exclusively for this study.

Continuity Equation

The Continuity Equation states that the flow quantity (Q) is equal to the wetted area (A) multiplied by the average velocity (V) of the flow.

Q = A * V

This equation is applicable in a variety of conditions including backwater, surcharge, and reverse flow.

Data Analysis and Presentation

Data Analysis

A flow monitor is typically programmed to collect data at 5-minute intervals throughout the monitoring period. The monitor stores raw data consisting of (1) the ultrasonic depth, (2) the peak velocity and (3) the pressure depth. The data is imported into ADS's proprietary software and is examined by a data analyst to verify its integrity. The data analyst also reviews the daily field reports and site visit records to identify conditions that would affect the collected data.

Velocity profiles and the line confirmation data developed by the field personnel are reviewed by the data analyst to identify inconsistencies and verify data integrity. Velocity profiles are reviewed and an average to peak velocity ratio is calculated for the site. This ratio is used in converting the peak velocity measured by the sensor to the average velocity used in the Continuity equation. The data analyst selects which depth sensor entity will be used to calculate the final depth information. Silt levels present at each site visit are reviewed and representative silt levels established.

Occasionally the velocity sensor's performance may be compromised resulting in invalid readings sporadically during the monitoring period. This is generally caused by excessive debris (silt) blocking the sensor's crystals, shallow flows (~< 1") that may drop below the top of the sensor or very clear flows lacking the particles needed to measure rate. In order to use the Continuity equation to quantify the flow during these periods, a Data Analyst and/or Engineer will use the site's historical pipe curve (depth vs. velocity) data along with valid field confirmations to reconstitute and replace the false velocity recordings with expected velocity readings for a given historical depth along the curve.

Selections for the above parameters can be constant or can change during the monitoring period. While the data analysis process is described in a linear manner, it often requires an iterative approach to accurately complete.

Data Presentation

This type of flow monitoring project generates a large volume of data. To facilitate review of the data, results have been provided in graphical and tabular formats. The flow data is presented graphically in the form of scattergraphs and hydrographs. Hydrographs are based on 5-minute averaging. Tables are provided in daily average format. These tables show the flow rate for each day, along with the daily minimum and maximums, the times they were observed, the total daily flow, and total flow for the month (or monitoring period). The following explanation of terms may aid in interpretation of the flow data table and hydrograph.

DEPTH - Final calculated depth measurement (in inches)

QUANTITY - Final calculated flow rate (in MGD)

VELOCITY - Final calculated flow velocity (in feet per second)

REPORT TOTAL - Total volume of flow recorded for the indicated time period (in MG)

MH042

Site Commentary

SITE INFORMATION

Pipe	Elliptical (9.75 in H x 9.88 in W)
Silt	0.00 (in)

OBSERVATIONS

Average flow depth, velocity, and quantity data observed during **Saturday, 28 January 2023 to Friday, 03 February 2023**, along with observed minimum and maximum data, are provided in the following table.

This site functioned under normal conditions during the study period. No surcharge conditions were experienced at this location.

This line is located downstream of site MH070. A small net flow was recorded between the sites.

Observed Flow Conditions			
Item	**DFINAL (in)**	**VFINAL (ft/s)**	**QFINAL (MGD - Total MG)**
Average	2.44	4.30	0.294
Minimum	1.69	1.77	0.099
Maximum	3.17	4.96	0.459
Min Time	01/28/2023 5:50:00 AM	02/01/2023 5:05:00 AM	02/01/2023 5:05:00 AM
Max Time	01/31/2023 8:20:00 PM	01/31/2023 7:45:00 PM	01/31/2023 8:05:00 PM

Based upon the quality and consistency of the observed flow depth and velocity data, the Continuity equation was used to calculate flow rate and quantities during the monitoring period.

Values in the Observed Flow Conditions and data on the graphical reports are based on the five minutes average.

DATA UPTIME

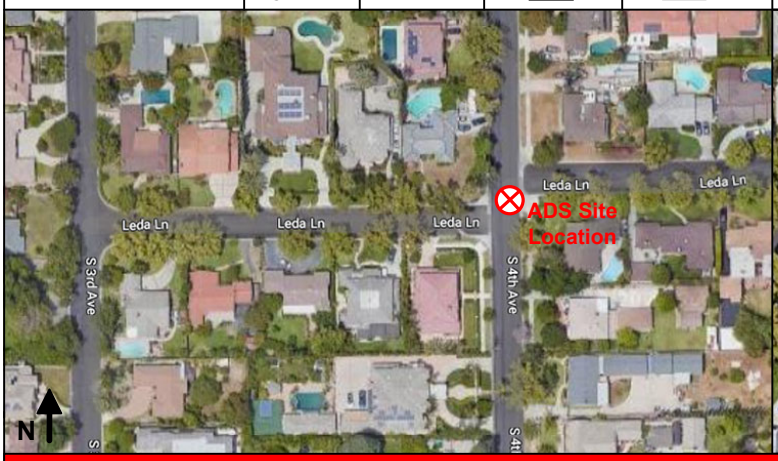
Data uptime observed during **Saturday, 28 January 2023 to Friday, 03 February 2023** is provided in the following table:

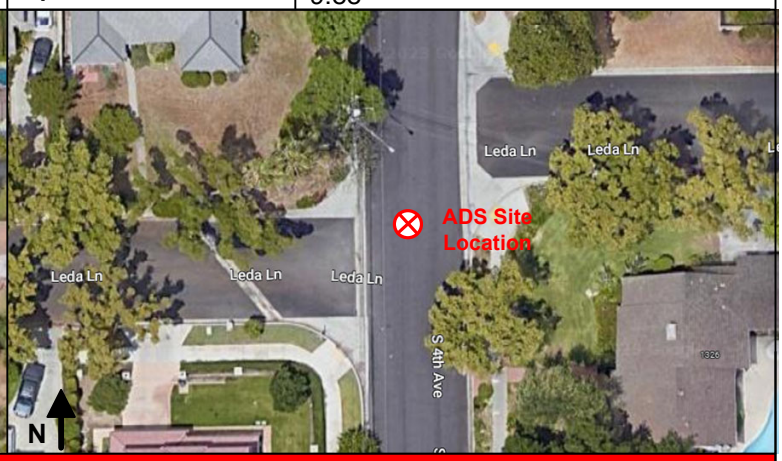
Percent Uptime	
DFINAL (in)	100
VFINAL (ft/s)	100
QFINAL (MGD - Total MG)	100

ADS Site Report

Quality Form

Project Name:	Arcadia.Derby.TFM.CA22	**City:**	Arcadia	**Agency:**	**FM Initials:** VM
Site Name:	MH042	**Install Date:**	1/27/23	**Monitor Type**	Peak Doppler
Address/Location:	S 4th ave and Leda Ln, Arcadia			**Monitor Model**	Triton +
				Data Acquisition	Manual/Wireless Collect
				Manhole ID	
Access:	Drive	**Type of System:**	Sanitary [X] Storm [ ] Combined [ ]	**Pipe Height:**	9.75 "
				Pipe Width:	9.88 "





Investigation Information:

Date/Time of Investigation:	1/27/23 @ 2:40 AM
Site Hydraulics:	Good straight through flow
Upstream Input: (L/S, P/S)	Not Investigated
Upstream Manhole:	Not Investigated
Downstream Manhole:	Not investigated
Depth of Flow:	1.88 " +/- 0.25"
Range (Air DOF):	+/-
Peak Velocity:	3.61 fps
Silt:	0 Inches

Manhole Information:

Manhole Depth:	8' "
Manhole Material / Condition	Brick/Good
Pipe Material / Condition:	PVC/Good

Land Use:	Residential	Commercial	Industrial	Other
	[x]	[ ]	[ ]	[ ]

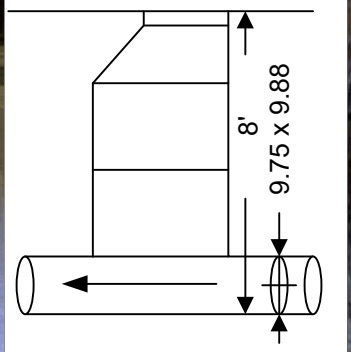
Oxygen: 20.9	**H2S:** 0	**LEL:** 0	**CO:** 0

Safety Notes:

2 man crew required and one blower is to be operated at all times.

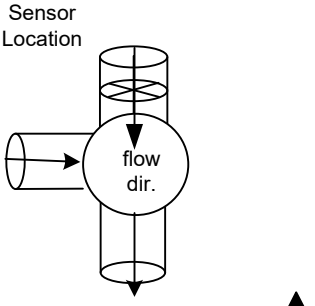
Other Information:





Cross Section





Plan

Installation Information		Backup	Yes	No	?	Distance
Installation Type:	Standard	Trunk	[ ]	[x]	[ ]	
Sensors Devices:	Ultrasonic/Velocity/Pressure	Lift / Pump Station	[ ]	[x]	[ ]	
Surcharge Height:	0	WWTP	[ ]	[x]	[ ]	
Rain Gauge Zone:		Other	[ ]	[x]	[ ]	

Additional Site Information / Comments:

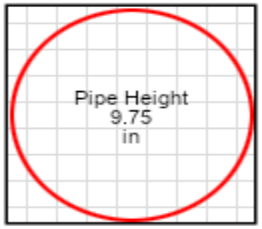
Standard Traffic Control with No Safety Concerns

Hydrograph Report

MH042

Flow Monitor

MH042

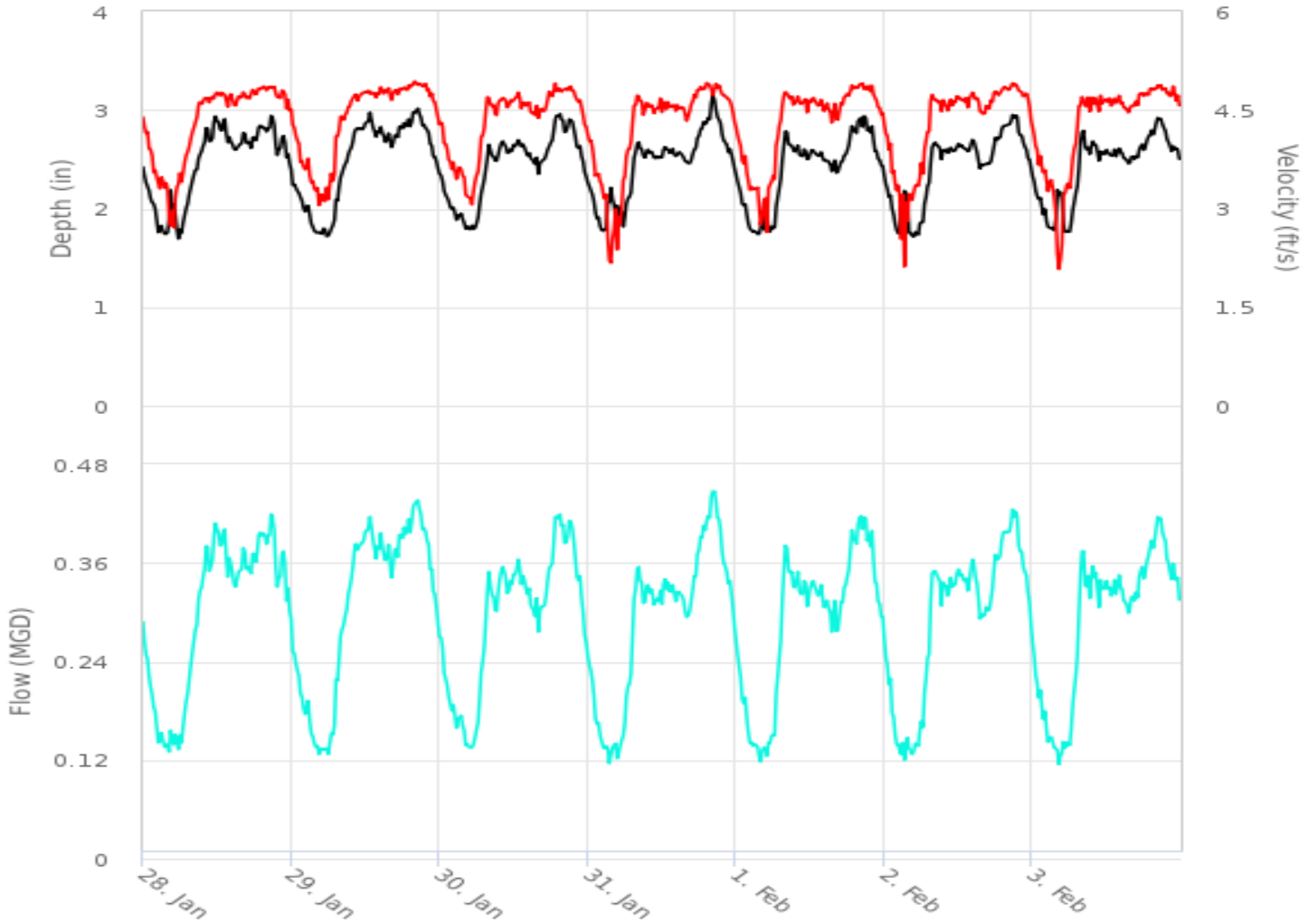


Report Period

01/28/2023
To
02/03/2023

Legend

DFINAL
QFINAL
VFINAL



Scattergraph Report

MH042

Flow Monitor

MH042

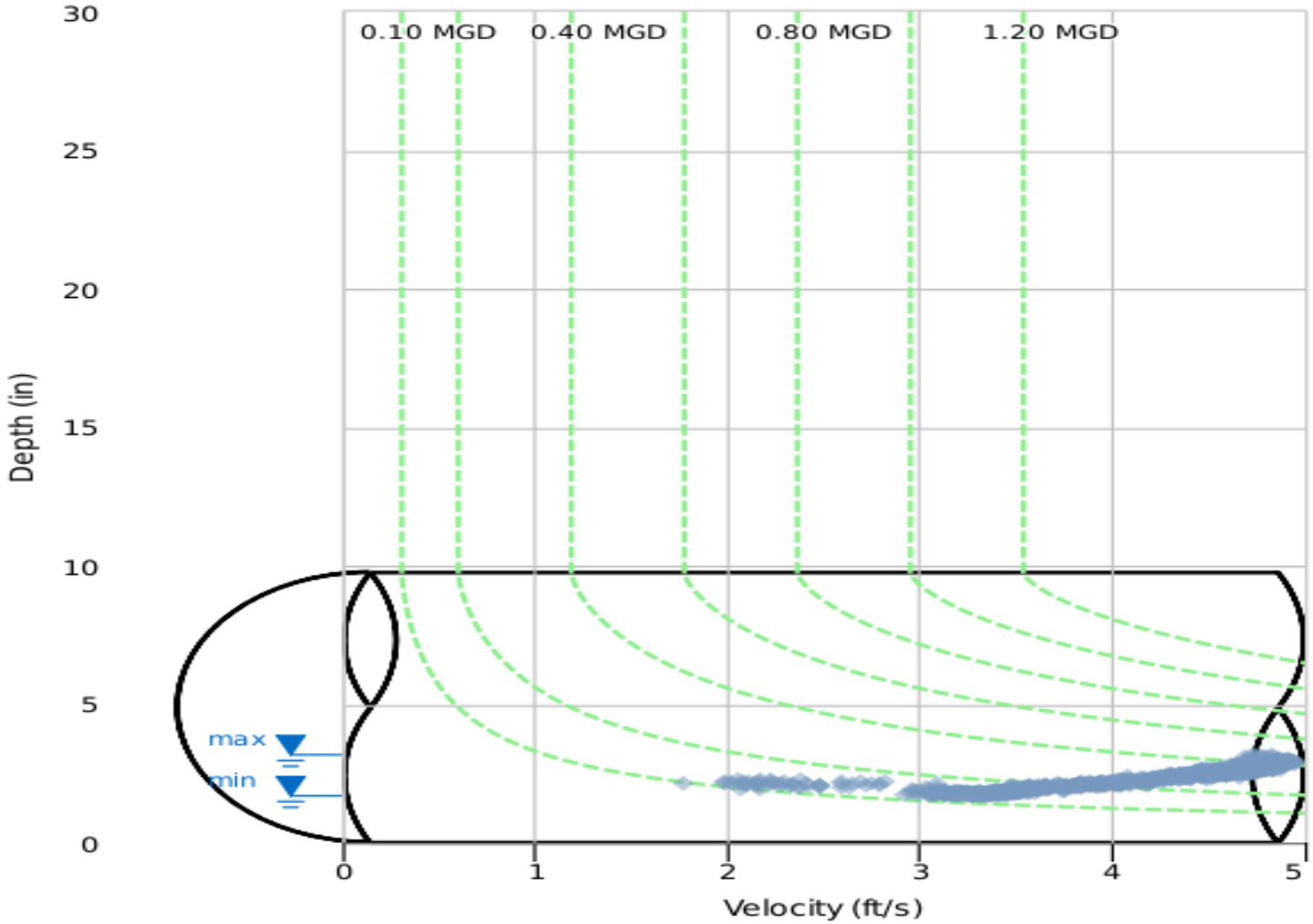
Pipe Height
9.75
in

Report Period

01/28/2023
To
02/03/2023

Legend

- DFINAL - VFINAL
- Iso-Q™
- Min-Max Depth



Daily Tabular Report

01/28/2023 00:00 - 02/03/2023 23:55
MH042Pipe: Elliptical (9.75 in H x 9.88 in W), Silt0.00 in

	DFINAL (in)					VFINAL (ft/s)					QFINAL (MGD - Total MG)						Rain (in)
Date	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
01/28/2023	05:50	1.69	11:40	2.97	2.45	04:25	2.08	18:55	4.90	4.31	04:25	0.119	20:55	0.422	0.298	0.298	-
01/29/2023	05:55	1.70	20:35	3.07	2.48	04:35	2.94	20:00	4.94	4.36	04:35	0.124	20:35	0.446	0.308	0.308	-
01/30/2023	05:45	1.78	19:35	2.96	2.43	05:15	3.03	18:45	4.92	4.33	05:15	0.129	19:35	0.422	0.294	0.294	-
01/31/2023	02:35	1.77	20:20	3.17	2.45	03:40	2.09	19:45	4.96	4.22	05:10	0.103	20:05	0.459	0.291	0.291	-
02/01/2023	04:05	1.73	20:55	3.07	2.40	05:05	1.77	20:05	4.93	4.30	05:05	0.099	20:55	0.438	0.288	0.288	-
02/02/2023	04:45	1.71	21:20	2.98	2.42	03:20	2.01	21:15	4.95	4.30	02:45	0.114	20:45	0.429	0.292	0.292	-
02/03/2023	05:25	1.76	20:20	2.93	2.43	04:15	1.98	20:50	4.92	4.28	04:15	0.111	20:50	0.417	0.290	0.289	-

01/28/2023 00:00 - 02/03/2023 23:55

	DFINAL (in)	VFINAL (ft/s)	QFINAL (MGD - Total MG)	Rain (in)
Total			2.060	
Average	2.44	4.30	0.294	

MH044

Site Commentary

SITE INFORMATION

Pipe	Elliptical (9.75 in H x 9.88 in W)
Silt	0.00 (in)

OBSERVATIONS

Average flow depth, velocity, and quantity data observed during **Saturday, 28 January 2023 to Friday, 03 February 2023**, along with observed minimum and maximum data, are provided in the following table.

This site functioned under normal conditions during the study period. No surcharge conditions were experienced at this location.

This line is located downstream of site MH042. No perceptible net flow was recorded between the sites.

Observed Flow Conditions			
Item	**DFINAL (in)**	**VFINAL (ft/s)**	**QFINAL (MGD - Total MG)**
Average	2.62	3.90	0.296
Minimum	1.76	2.41	0.118
Maximum	3.63	4.38	0.500
Min Time	01/29/2023 5:55:00 AM	01/31/2023 2:40:00 AM	01/31/2023 2:40:00 AM
Max Time	01/31/2023 8:35:00 PM	02/01/2023 8:15:00 PM	01/31/2023 8:35:00 PM

Based upon the quality and consistency of the observed flow depth and velocity data, the Continuity equation was used to calculate flow rate and quantities during the monitoring period.

Values in the Observed Flow Conditions and data on the graphical reports are based on the five minutes average.

DATA UPTIME

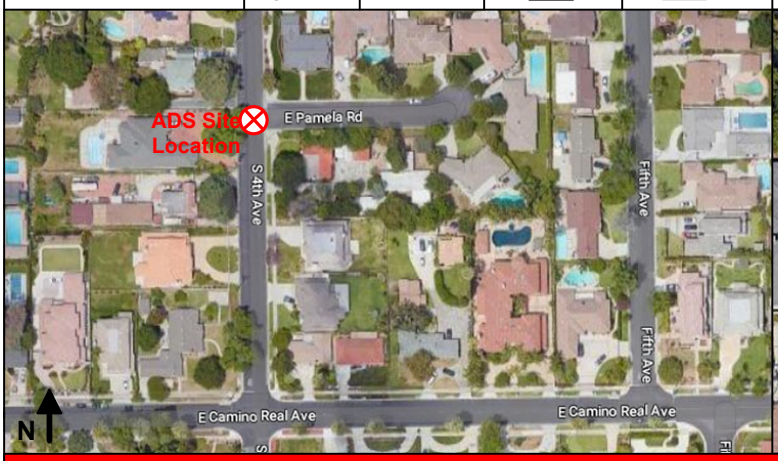
Data uptime observed during **Saturday, 28 January 2023 to Friday, 03 February 2023** is provided in the following table:

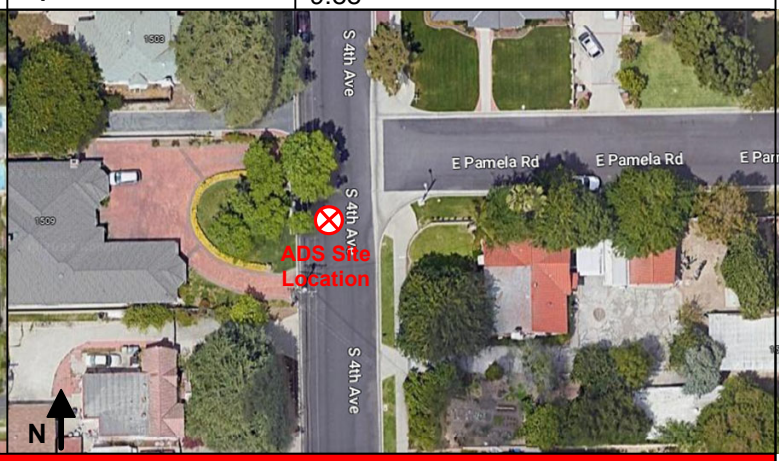
Percent Uptime	
DFINAL (in)	100
VFINAL (ft/s)	100
QFINAL (MGD - Total MG)	100

ADS Site Report

Quality Form

Project Name:	Arcadia.Derby.TFM.CA22	**City:** Arcadia	**Agency:**	**FM Initials:** VM	
Site Name:	MH044	**Install Date:** 1/27/23	**Monitor Type**	Peak Doppler	
Address/Location:	S. 4th Ave and E Pamela Rd, Arcadia		**Monitor Model**	Triton +	
			Data Acquisition	Manual/Wireless Collect	
			Manhole ID		
Access: Drive	**Type of System:**	Sanitary [X]	Storm [ ]	Combined [ ]	**Pipe Height:** 9.75 "
					Pipe Width: 9.88 "





Investigation Information:

Date/Time of Investigation:	1/27/23 @ 3:20 AM
Site Hydraulics:	Good straight through flow
Upstream Input: (L/S, P/S)	Not Investigated
Upstream Manhole:	Not Investigated
Downstream Manhole:	Not investigated
Depth of Flow:	1.75 " +/- 0.25"
Range (Air DOF):	+/-
Peak Velocity:	3.34 fps
Silt:	0 Inches

Manhole Information:

Manhole Depth:	8' "
Manhole Material / Condition	Brick/Good
Pipe Material / Condition:	VCP/Good

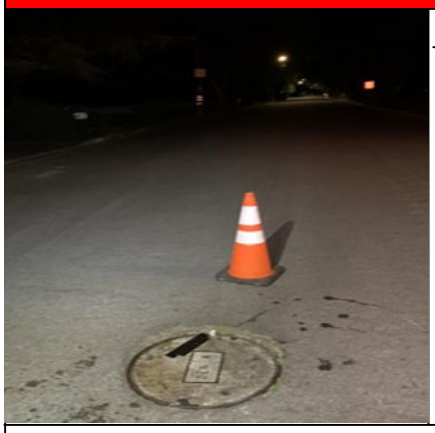
Land Use:	Residential	Commercial	Industrial	Other
	[x]	[ ]	[ ]	[ ]

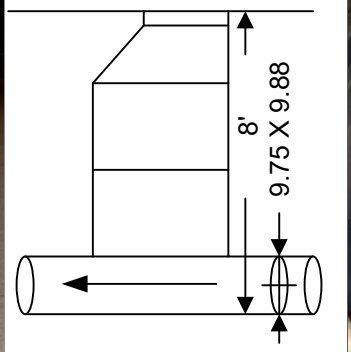
Oxygen: 20.9	**H2S:** 0	**LEL:** 0	**CO:** 0

Safety Notes:

2 man crew required and one blower is to be operated at all times.

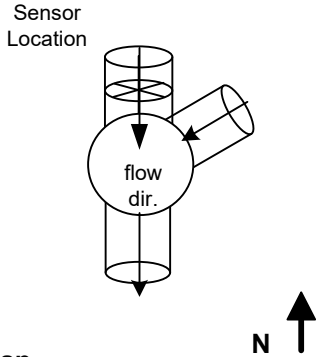
Other Information:





Cross Section





Plan

Installation Information		Backup	Yes	No	?	Distance
Installation Type:	Standard	Trunk	[ ]	[x]	[ ]	
Sensors Devices:	Ultrasonic/Velocity/Pressure	Lift / Pump Station	[ ]	[x]	[ ]	
Surcharge Height:	0	WWTP	[ ]	[x]	[ ]	
Rain Gauge Zone:		Other	[ ]	[x]	[ ]	

Additional Site Information / Comments:

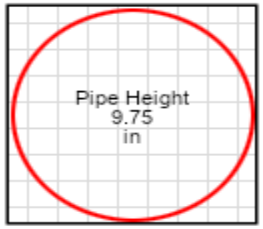
Standard Traffic Control with No Safety Concerns

Hydrograph Report

MH044

Flow Monitor

MH044

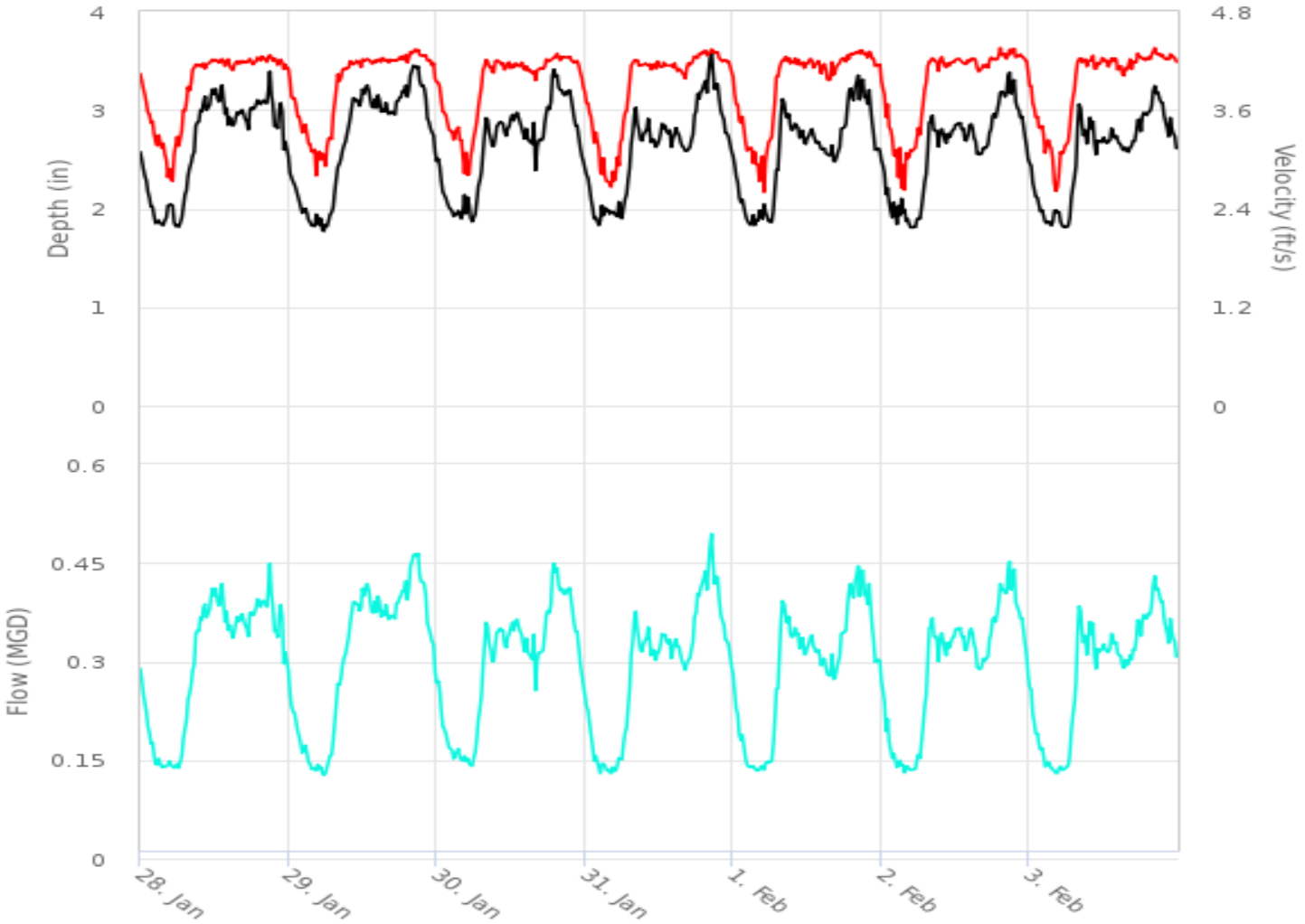


Report Period

01/28/2023
To
02/03/2023

Legend

DFINAL
QFINAL
VFINAL

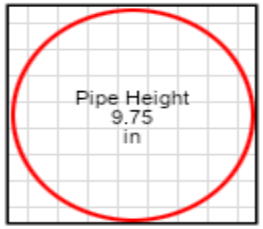


Scattergraph Report

MH044

Flow Monitor

MH044

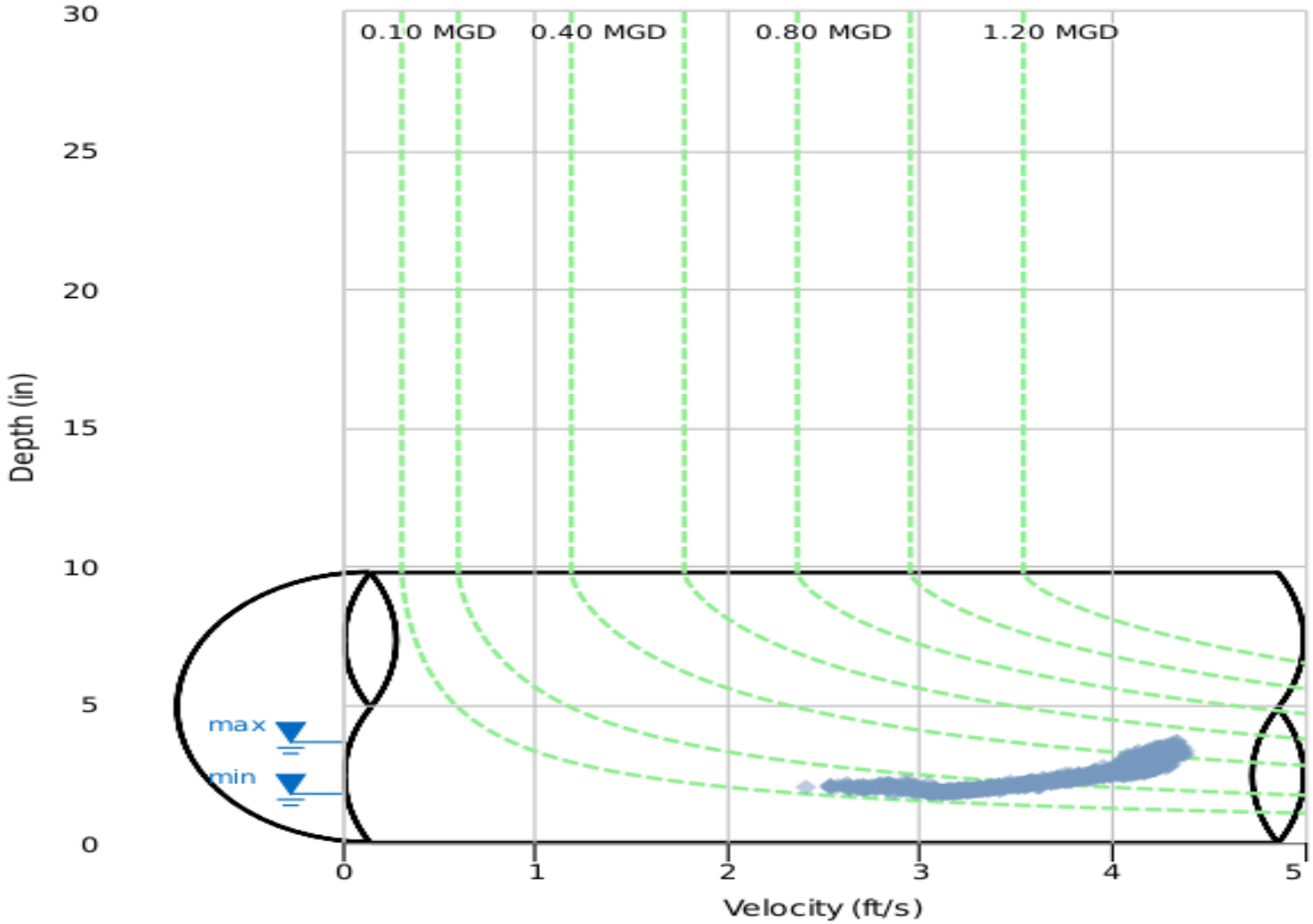


Report Period

01/28/2023
To
02/03/2023

Legend

- DFINAL - VFINAL
- Iso-Q™
- Min-Max Depth



Daily Tabular Report

01/28/2023 00:00 - 02/03/2023 23:55
MH044Pipe: Elliptical (9.75 in H x 9.88 in W), Silt0.00 in

	DFINAL (in)					VFINAL (ft/s)					QFINAL (MGD - Total MG)						Rain (in)
Date	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
01/28/2023	06:15	1.80	21:05	3.49	2.66	05:10	2.64	14:15	4.29	3.89	05:10	0.135	21:05	0.469	0.301	0.301	-
01/29/2023	05:40	1.76	20:55	3.52	2.70	04:40	2.53	21:00	4.37	3.91	06:05	0.124	20:55	0.479	0.311	0.311	-
01/30/2023	05:50	1.85	19:00	3.47	2.63	05:10	2.62	19:30	4.30	3.91	05:20	0.135	19:00	0.459	0.296	0.296	-
01/31/2023	02:25	1.82	20:35	3.63	2.61	02:40	2.41	21:15	4.35	3.87	02:40	0.118	20:35	0.500	0.293	0.293	-
02/01/2023	03:40	1.82	21:00	3.41	2.58	05:05	2.54	20:15	4.38	3.91	04:10	0.130	20:55	0.459	0.291	0.291	-
02/02/2023	04:50	1.80	20:40	3.45	2.59	03:25	2.53	19:15	4.38	3.92	03:45	0.124	20:45	0.460	0.292	0.292	-
02/03/2023	05:40	1.80	20:15	3.27	2.55	04:10	2.54	20:25	4.37	3.91	04:30	0.127	20:15	0.435	0.286	0.285	-

01/28/2023 00:00 - 02/03/2023 23:55

	DFINAL (in)	VFINAL (ft/s)	QFINAL (MGD - Total MG)	Rain (in)
Total			2.069	
Average	2.62	3.90	0.296	

MH045

Site Commentary

SITE INFORMATION

Pipe	Round (8.13 in H)
Silt	0.00 (in)

OBSERVATIONS

Average flow depth, velocity, and quantity data observed during **Saturday, 28 January 2023 to Friday, 03 February 2023**, along with observed minimum and maximum data, are provided in the following table.

This site functioned under normal conditions during the study period. No surcharge conditions were experienced at this location.

This line is located upstream of site MH053 (See Site MH053 Site Commentary for More Details).

Observed Flow Conditions			
Item	**DFINAL (in)**	**VFINAL (ft/s)**	**QFINAL (MGD - Total MG)**
Average	1.95	3.44	0.154
Minimum	1.34	1.66	0.044
Maximum	2.57	4.19	0.258
Min Time	01/29/2023 5:45:00 AM	01/31/2023 4:35:00 AM	01/28/2023 4:25:00 AM
Max Time	02/03/2023 8:00:00 PM	01/29/2023 7:30:00 PM	02/03/2023 8:00:00 PM

Based upon the quality and consistency of the observed flow depth and velocity data, the Continuity equation was used to calculate flow rate and quantities during the monitoring period.

Values in the Observed Flow Conditions and data on the graphical reports are based on the five minutes average.

DATA UPTIME

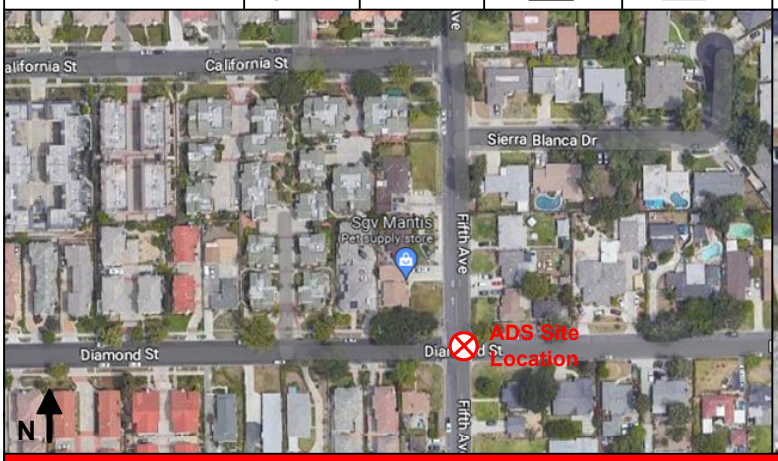
Data uptime observed during **Saturday, 28 January 2023 to Friday, 03 February 2023** is provided in the following table:

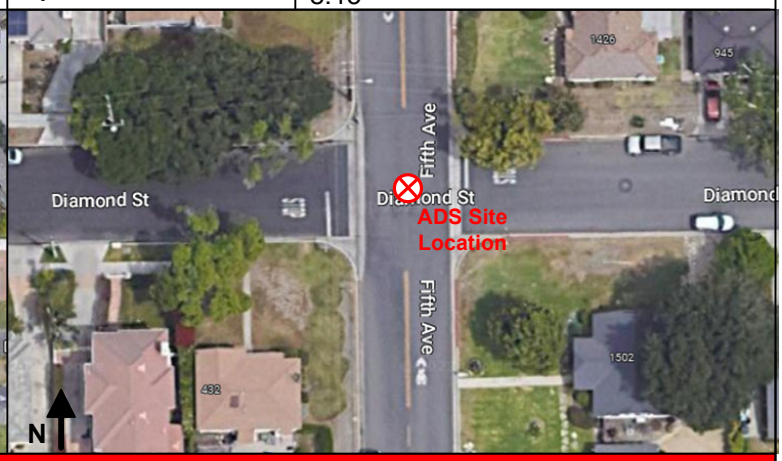
Percent Uptime	
DFINAL (in)	100
VFINAL (ft/s)	100
QFINAL (MGD - Total MG)	100

ADS Site Report

Quality Form

Project Name:	Arcadia.Derby.TFM.CA22	**City:** Monrovia	**Agency:**	**FM Initials:** VM	
Site Name:	MH045	**Install Date:** 1/27/23	**Monitor Type**	Peak Doppler	
Address/Location:	5th Ave and Diamond st, Monrovia		**Monitor Model**	Triton +	
			Data Acquisition	Manual/Wireless Collect	
			Manhole ID		
Access: Drive	**Type of System:**	Sanitary [X] Storm [ ] Combined [ ]	**Pipe Height:**	8.13 "	
			Pipe Width:	8.13 "	





Investigation Information:

Date/Time of Investigation:	1/27/23 @ 12:45 AM
Site Hydraulics:	Good straight through flow
Upstream Input: (L/S, P/S)	Not Investigated
Upstream Manhole:	Not Investigated
Downstream Manhole:	Not investigated
Depth of Flow:	1.75 " +/- 0.25"
Range (Air DOF):	+/-
Peak Velocity:	2.74 fps
Silt:	0 Inches

Manhole Information:

Manhole Depth:	8' "
Manhole Material / Condition	Brick/Good
Pipe Material / Condition:	VCP/Good

Land Use:	Residential	Commercial	Industrial	Other
	[x]	[ ]	[ ]	[ ]

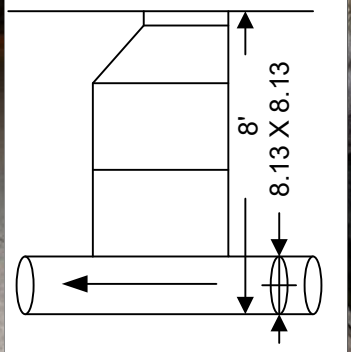
Oxygen: 20.9 **H2S:** 0 **LEL:** 0 **CO:** 0

Safety Notes:

2 man crew required and one blower is to be operated at all times.

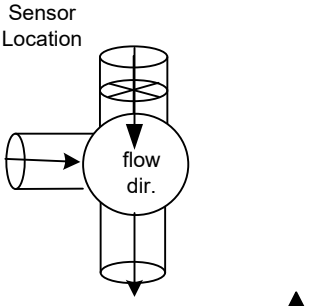
Other Information:





Cross Section





Plan

Installation Information		Backup	Yes	No	?	Distance
Installation Type:	Standard	Trunk	[ ]	[x]	[ ]	
Sensors Devices:	Ultrasonic/Velocity/Pressure	Lift / Pump Station	[ ]	[x]	[ ]	
Surcharge Height:	0	WWTP	[ ]	[x]	[ ]	
Rain Gauge Zone:		Other	[ ]	[x]	[ ]	

Additional Site Information / Comments:

Standard Traffic Control with No Safety Concerns

Hydrograph Report

MH045

Flow Monitor

MH045

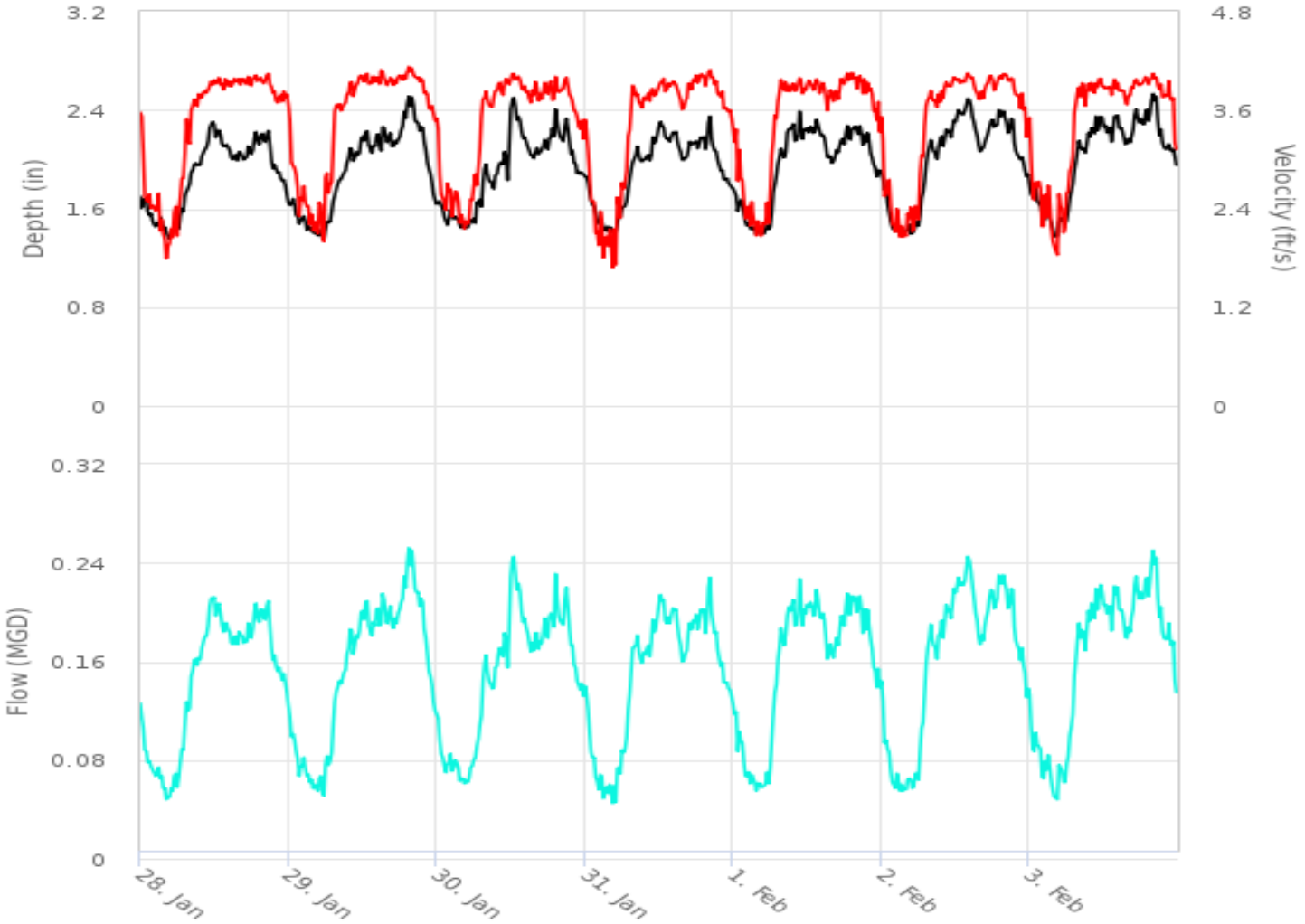
Pipe Height
8.13
in

Report Period

01/28/2023
To
02/03/2023

Legend

DFINAL
QFINAL
VFINAL



Scattergraph Report

MH045

Flow Monitor

MH045

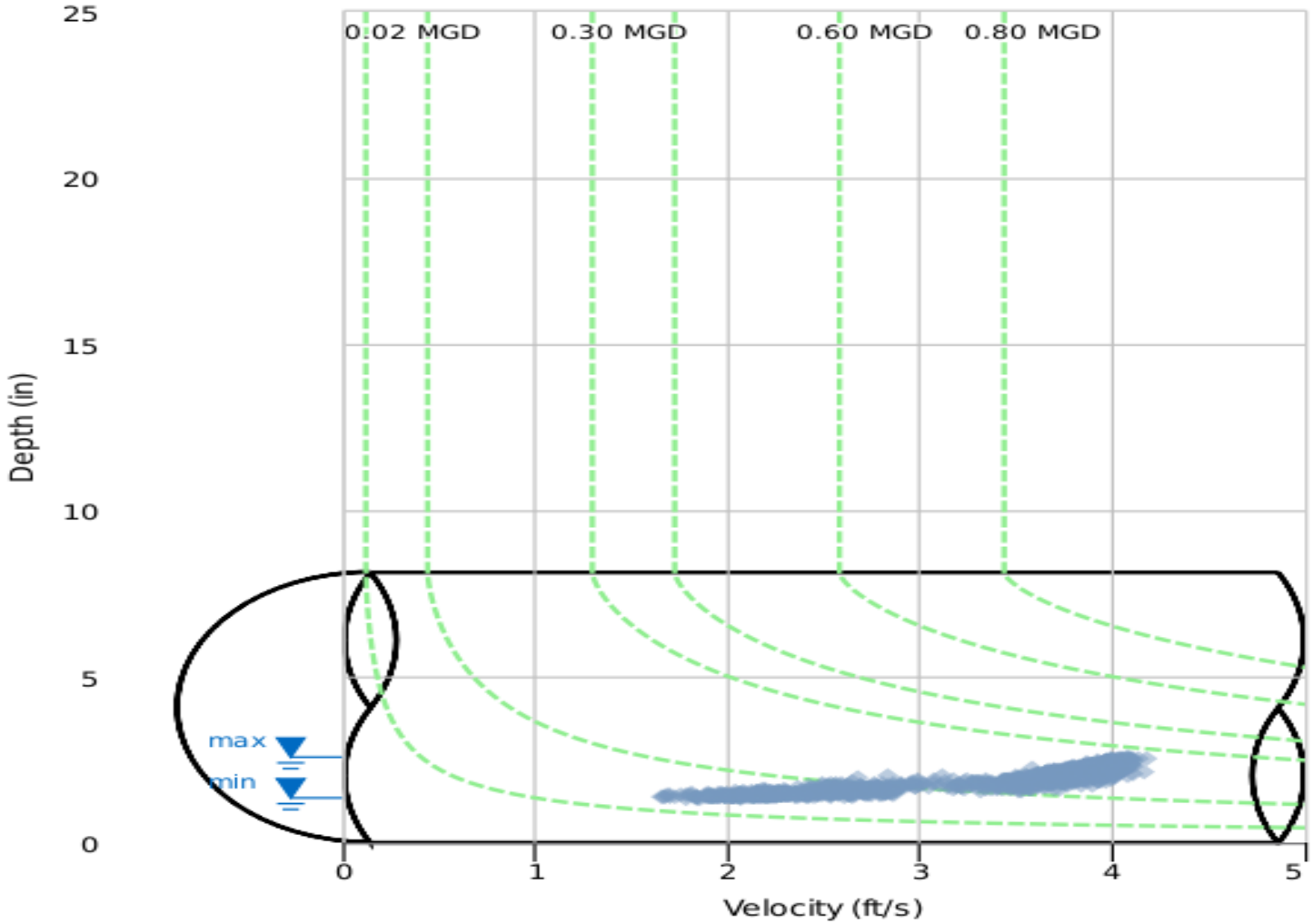
Pipe Height
8.13
in

Report Period

01/28/2023
To
02/03/2023

Legend

DFINAL - VFINAL
Iso-Q™
Min-Max Depth



Daily Tabular Report

01/28/2023 00:00 - 02/03/2023 23:55
MH045Pipe: Round (8.13 in H), Silt0.00 in

	DFINAL (in)					VFINAL (ft/s)					QFINAL (MGD - Total MG)						Rain (in)
Date	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
01/28/2023	04:45	1.35	12:30	2.36	1.88	04:25	1.67	20:50	4.07	3.42	04:25	0.044	19:40	0.222	0.145	0.145	-
01/29/2023	05:45	1.34	19:25	2.55	1.92	04:55	1.85	19:30	4.19	3.48	04:55	0.047	19:25	0.257	0.153	0.153	-
01/30/2023	03:55	1.43	12:35	2.51	1.91	04:40	2.03	16:10	4.18	3.43	04:40	0.057	12:35	0.250	0.149	0.149	-
01/31/2023	04:40	1.40	20:15	2.36	1.92	04:35	1.66	20:15	4.11	3.40	04:35	0.045	20:15	0.231	0.149	0.149	-
02/01/2023	03:50	1.39	10:55	2.40	1.96	03:55	1.92	18:35	4.08	3.48	03:55	0.051	10:50	0.232	0.158	0.158	-
02/02/2023	04:50	1.39	14:10	2.53	2.00	05:20	1.92	14:10	4.07	3.44	05:20	0.051	14:10	0.252	0.162	0.162	-
02/03/2023	04:00	1.37	20:00	2.57	2.03	04:30	1.73	20:00	4.08	3.43	04:30	0.045	20:00	0.258	0.163	0.163	-

01/28/2023 00:00 - 02/03/2023 23:55

	DFINAL (in)	VFINAL (ft/s)	QFINAL (MGD - Total MG)	Rain (in)
Total			1.079	
Average	1.95	3.44	0.154	

MH053

Site Commentary

SITE INFORMATION

Pipe	Round (8 in H)
Silt	0.00 (in)

OBSERVATIONS

Average flow depth, velocity, and quantity data observed during **Saturday, 28 January 2023 to Friday, 03 February 2023**, along with observed minimum and maximum data, are provided in the following table.

This site functioned under normal conditions during the study period. No surcharge conditions were experienced at this location.

This line is located downstream of site MH045. A moderate net flow was recorded between the sites.

Observed Flow Conditions			
Item	**DFINAL (in)**	**VFINAL (ft/s)**	**QFINAL (MGD - Total MG)**
Average	2.43	3.86	0.227
Minimum	1.83	1.85	0.090
Maximum	3.00	4.62	0.355
Min Time	01/28/2023 1:50:00 AM	01/31/2023 3:15:00 AM	01/31/2023 3:15:00 AM
Max Time	01/29/2023 7:40:00 PM	01/29/2023 7:45:00 PM	01/29/2023 7:40:00 PM

Based upon the quality and consistency of the observed flow depth and velocity data, the Continuity equation was used to calculate flow rate and quantities during the monitoring period.

Values in the Observed Flow Conditions and data on the graphical reports are based on the five minutes average.

DATA UPTIME

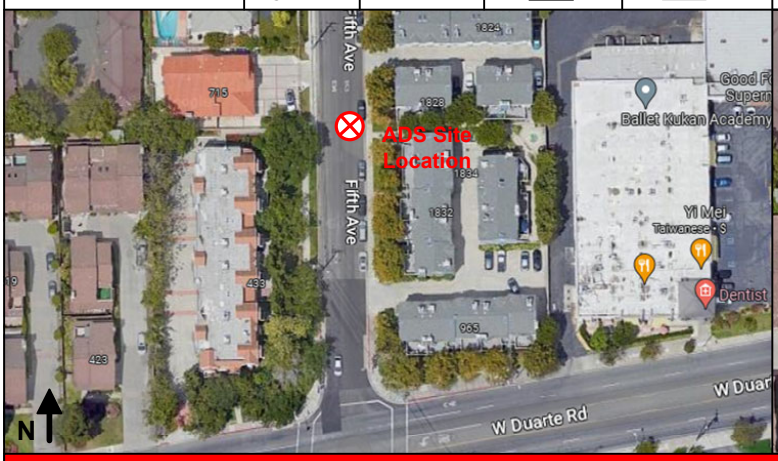
Data uptime observed during **Saturday, 28 January 2023 to Friday, 03 February 2023** is provided in the following table:

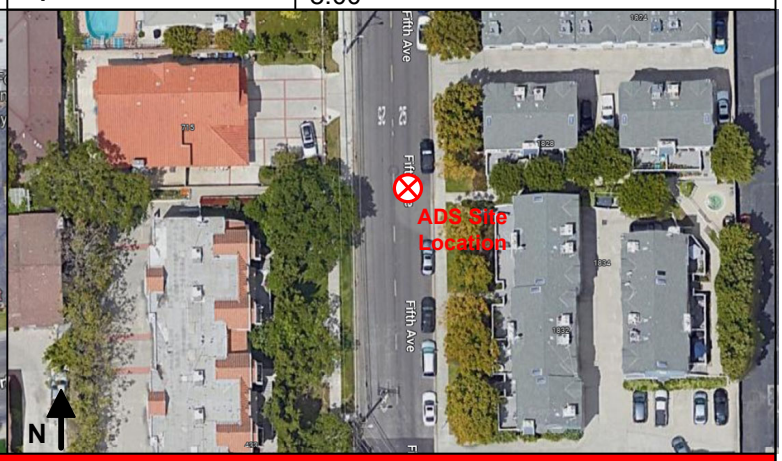
Percent Uptime	
DFINAL (in)	100
VFINAL (ft/s)	100
QFINAL (MGD - Total MG)	100

ADS Site Report

Quality Form

Project Name:	Arcadia.Derby.TFM.CA22	**City:**	Arcadia	**Agency:**	**FM Initials:** VM
Site Name:	MH053	**Install Date:**	1/27/23	**Monitor Type**	Peak Doppler
Address/Location:	North of 5th ave and W Duarte Rd			**Monitor Model**	Triton +
				Data Acquisition	Manual/Wireless Collect
				Manhole ID	
Access:	Drive	**Type of System:**	Sanitary [X] Storm [ ] Combined [ ]	**Pipe Height:**	8.00 "
				Pipe Width:	8.00 "





Investigation Information:

Date/Time of Investigation:	1/27/23 @ 1:30 AM
Site Hydraulics:	Good straight through flow
Upstream Input: (L/S, P/S)	Not Investigated
Upstream Manhole:	Not Investigated
Downstream Manhole:	Not investigated
Depth of Flow:	1.88 " +/- 0.25"
Range (Air DOF):	+/-
Peak Velocity:	3.04 fps
Silt:	0 Inches

Manhole Information:

Manhole Depth:	8' "
Manhole Material / Condition	Brick/Good
Pipe Material / Condition:	VCP/Good

Land Use:	Residential	Commercial	Industrial	Other
	[X]	[ ]	[ ]	[ ]

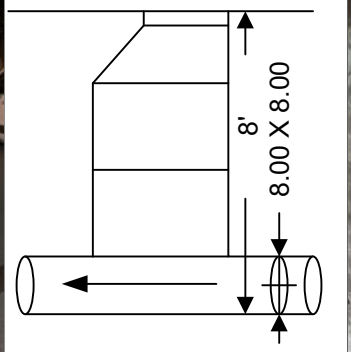
Oxygen: 20.9	**H2S:** 0	**LEL:** 0	**CO:** 0

Safety Notes:

2 man crew required and one blower is to be operated at all times.

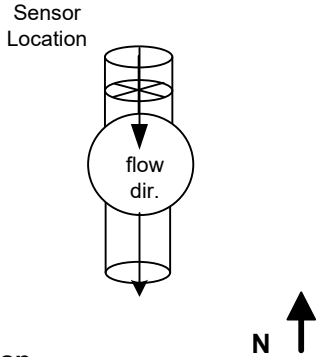
Other Information:





Cross Section





Plan

Installation Information	
Installation Type:	Standard
Sensors Devices:	Ultrasonic/Velocity/Pressure
Surcharge Height:	0
Rain Gauge Zone:	

Backup	Yes	No	?	Distance
Trunk	[ ]	[x]	[ ]	
Lift / Pump Station	[ ]	[x]	[ ]	
WWTP	[ ]	[x]	[ ]	
Other	[ ]	[x]	[ ]	

Additional Site Information / Comments:

Standard Traffic Control with No Safety Concerns

Hydrograph Report

MH053

Flow Monitor

MH053

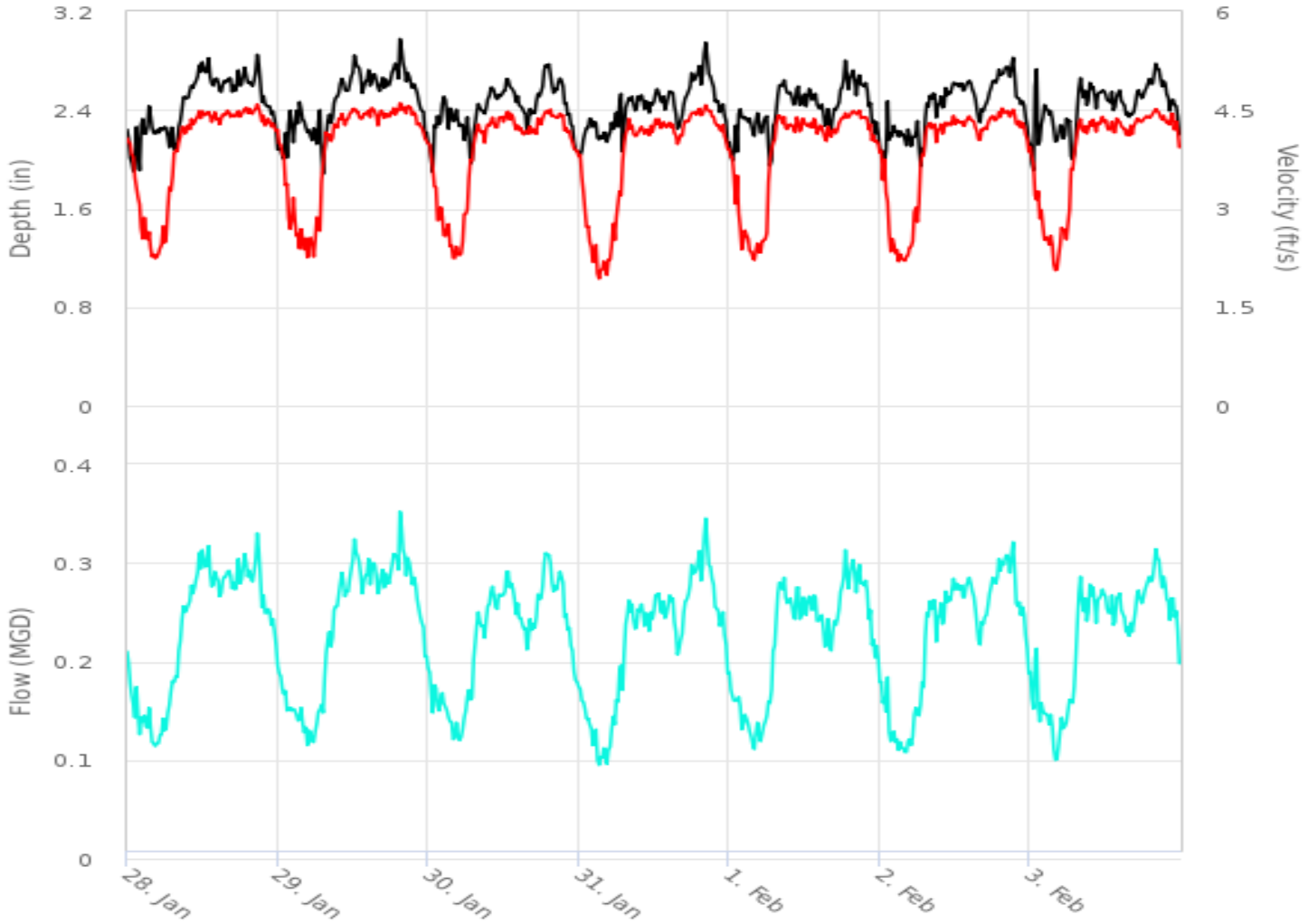
Pipe Height
8.00
in

Report Period

01/28/2023
To
02/03/2023

Legend

DFINAL
QFINAL
VFINAL



Scattergraph Report

MH053

Flow Monitor

MH053

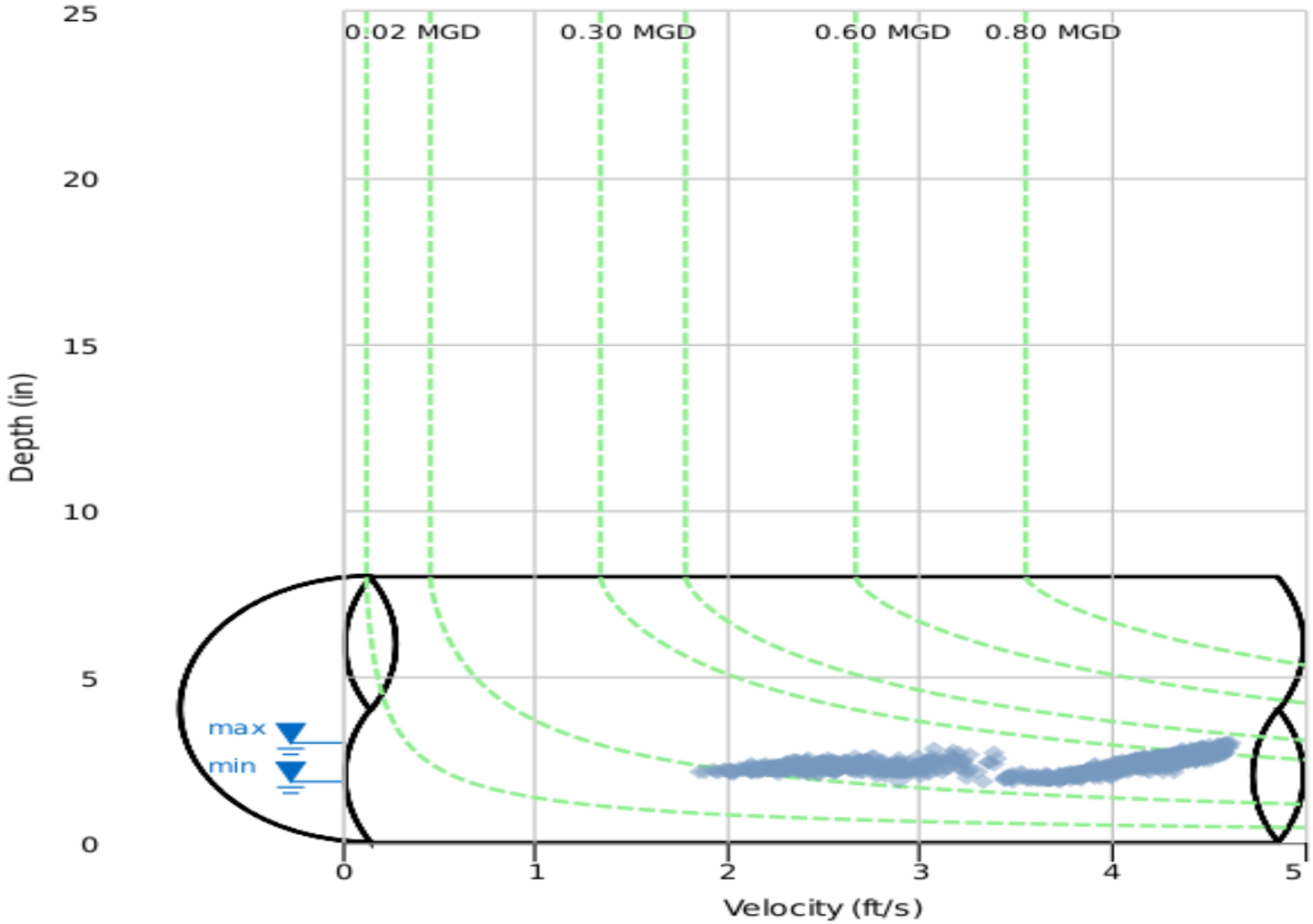
Pipe Height
8.00
in

Report Period

01/28/2023
To
02/03/2023

Legend

DFINAL - VFINAL
Iso-Q™
Min-Max Depth



Daily Tabular Report

01/28/2023 00:00 - 02/03/2023 23:55
MH053Pipe: Round (8 in H), Silt0.00 in

	DFINAL (in)					VFINAL (ft/s)					QFINAL (MGD - Total MG)						Rain (in)
Date	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
01/28/2023	01:50	1.83	20:50	2.90	2.45	04:45	2.18	20:50	4.61	3.91	04:45	0.111	20:50	0.340	0.233	0.233	-
01/29/2023	07:15	1.87	19:40	3.00	2.47	05:55	2.16	19:45	4.62	3.93	04:50	0.112	19:40	0.355	0.237	0.237	-
01/30/2023	00:45	1.89	19:25	2.79	2.41	04:00	2.13	19:30	4.54	3.86	04:55	0.115	19:25	0.314	0.223	0.223	-
01/31/2023	00:30	1.97	20:25	2.95	2.42	03:15	1.85	20:20	4.57	3.78	03:15	0.090	20:25	0.346	0.221	0.221	-
02/01/2023	01:10	1.88	18:35	2.83	2.41	04:00	2.12	20:45	4.51	3.85	04:00	0.103	18:35	0.318	0.224	0.224	-
02/02/2023	06:25	1.89	21:10	2.88	2.42	04:15	2.03	19:40	4.60	3.85	04:15	0.094	21:10	0.327	0.226	0.226	-
02/03/2023	00:40	1.90	20:00	2.80	2.43	04:00	2.01	20:00	4.57	3.86	04:05	0.097	20:00	0.322	0.226	0.226	-

01/28/2023 00:00 - 02/03/2023 23:55

	DFINAL (in)	VFINAL (ft/s)	QFINAL (MGD - Total MG)	Rain (in)
Total			1.590	
Average	2.43	3.86	0.227	

MH070

Site Commentary

SITE INFORMATION

Pipe	Elliptical (9.88 in H x 9.75 in W)
Silt	0.00 (in)

OBSERVATIONS

Average flow depth, velocity, and quantity data observed during **Saturday, 28 January 2023 to Friday, 03 February 2023**, along with observed minimum and maximum data, are provided in the following table.

This site functioned under normal conditions during the study period. No surcharge conditions were experienced at this location.

This line is located downstream of site MH053. A moderate net flow was recorded between the sites.

Observed Flow Conditions			
Item	**DFINAL (in)**	**VFINAL (ft/s)**	**QFINAL (MGD - Total MG)**
Average	2.50	3.98	0.276
Minimum	1.71	2.51	0.111
Maximum	3.33	4.56	0.440
Min Time	01/28/2023 4:55:00 AM	02/03/2023 4:15:00 AM	01/28/2023 5:00:00 AM
Max Time	01/31/2023 8:00:00 PM	01/31/2023 6:30:00 PM	01/31/2023 8:00:00 PM

Based upon the quality and consistency of the observed flow depth and velocity data, the Continuity equation was used to calculate flow rate and quantities during the monitoring period.

Values in the Observed Flow Conditions and data on the graphical reports are based on the five minutes average.

DATA UPTIME

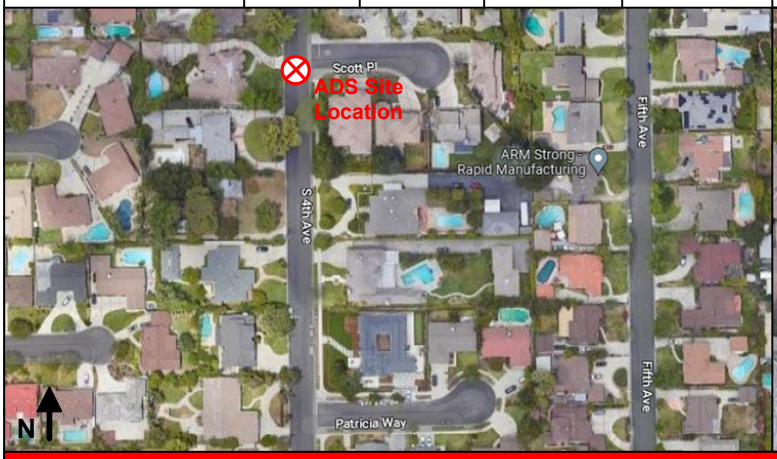
Data uptime observed during **Saturday, 28 January 2023 to Friday, 03 February 2023** is provided in the following table:

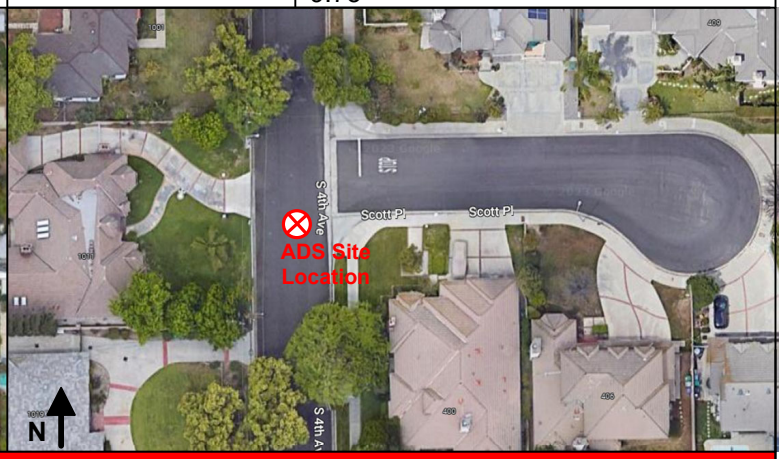
Percent Uptime	
DFINAL (in)	100
VFINAL (ft/s)	100
QFINAL (MGD - Total MG)	100

ADS Site Report

Quality Form

Project Name:	Arcadia.Derby.TFM.CA22	**City:**	Arcadia	**Agency:**	**FM Initials:** VM
Site Name:	MH070	**Install Date:**	1/27/23	**Monitor Type**	Peak Doppler
Address/Location:	S 4th ave and Scott Pl, Arcadia			**Monitor Model**	Triton +
				Data Acquisition	Manual/Wireless Collect
				Manhole ID	
Access:	Drive	**Type of System:**	Sanitary [X] Storm [ ] Combined [ ]	**Pipe Height:**	9.88 "
				Pipe Width:	9.75 "





Investigation Information:

Date/Time of Investigation:	1/27/23 @ 2:05 AM
Site Hydraulics:	Good straight through flow
Upstream Input: (L/S, P/S)	Not Investigated
Upstream Manhole:	Not Investigated
Downstream Manhole:	Not investigated
Depth of Flow:	1.88 " +/- 0.25"
Range (Air DOF):	+/-
Peak Velocity:	3.25 fps
Silt:	0 Inches

Manhole Information:

Manhole Depth:	8' "
Manhole Material / Condition	Precast/Good
Pipe Material / Condition:	VCP/Good

Land Use:	Residential	Commercial	Industrial	Other
	[X]	[ ]	[ ]	[ ]

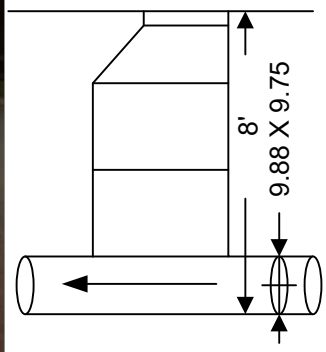
Oxygen: 20.9	**H2S:** 0	**LEL:** 0	**CO:** 0

Safety Notes:

2 man crew required and one blower is to be operated at all times.

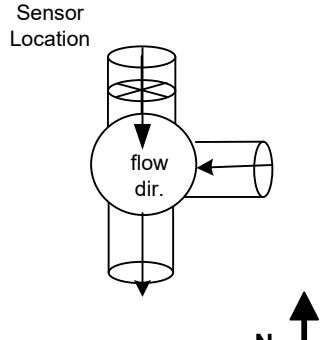
Other Information:





Cross Section





Plan

Installation Information		Backup	Yes	No	?	Distance
Installation Type:	Standard	Trunk	[ ]	[x]	[ ]	
Sensors Devices:	Ultrasonic/Velocity/Pressure	Lift / Pump Station	[ ]	[x]	[ ]	
Surcharge Height:	0	WWTP	[ ]	[x]	[ ]	
Rain Gauge Zone:		Other	[ ]	[X]	[ ]	

Additional Site Information / Comments:

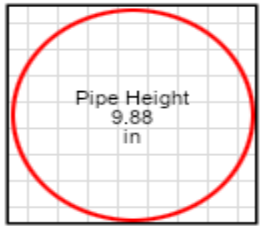
Standard Traffic Control with No Safety Concerns

Hydrograph Report

MH070

Flow Monitor

MH070



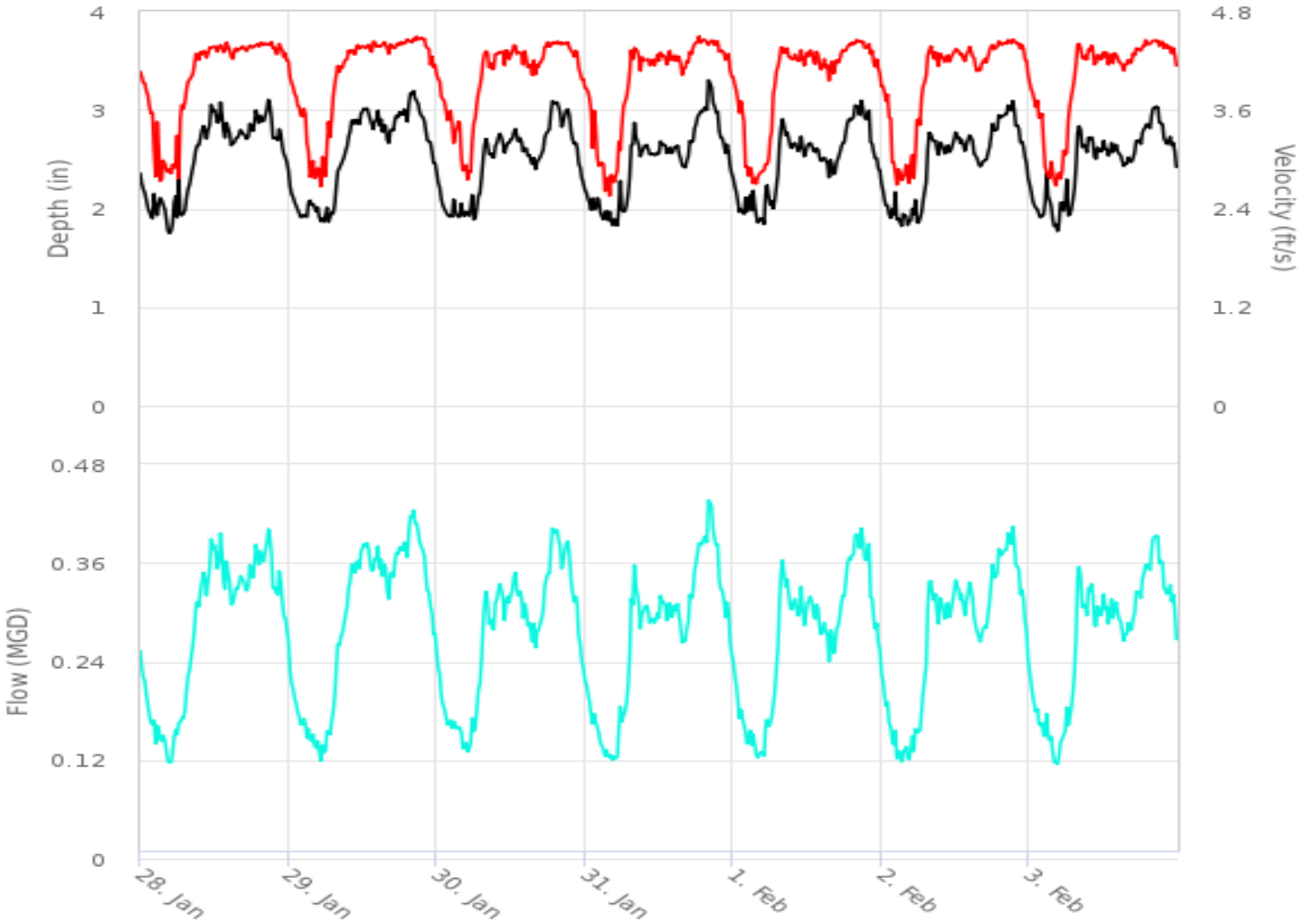
Report Period

01/28/2023
To
02/03/2023

Legend

DFINAL
QFINAL
VFINAL





Scattergraph Report

MH070

Flow Monitor

MH070

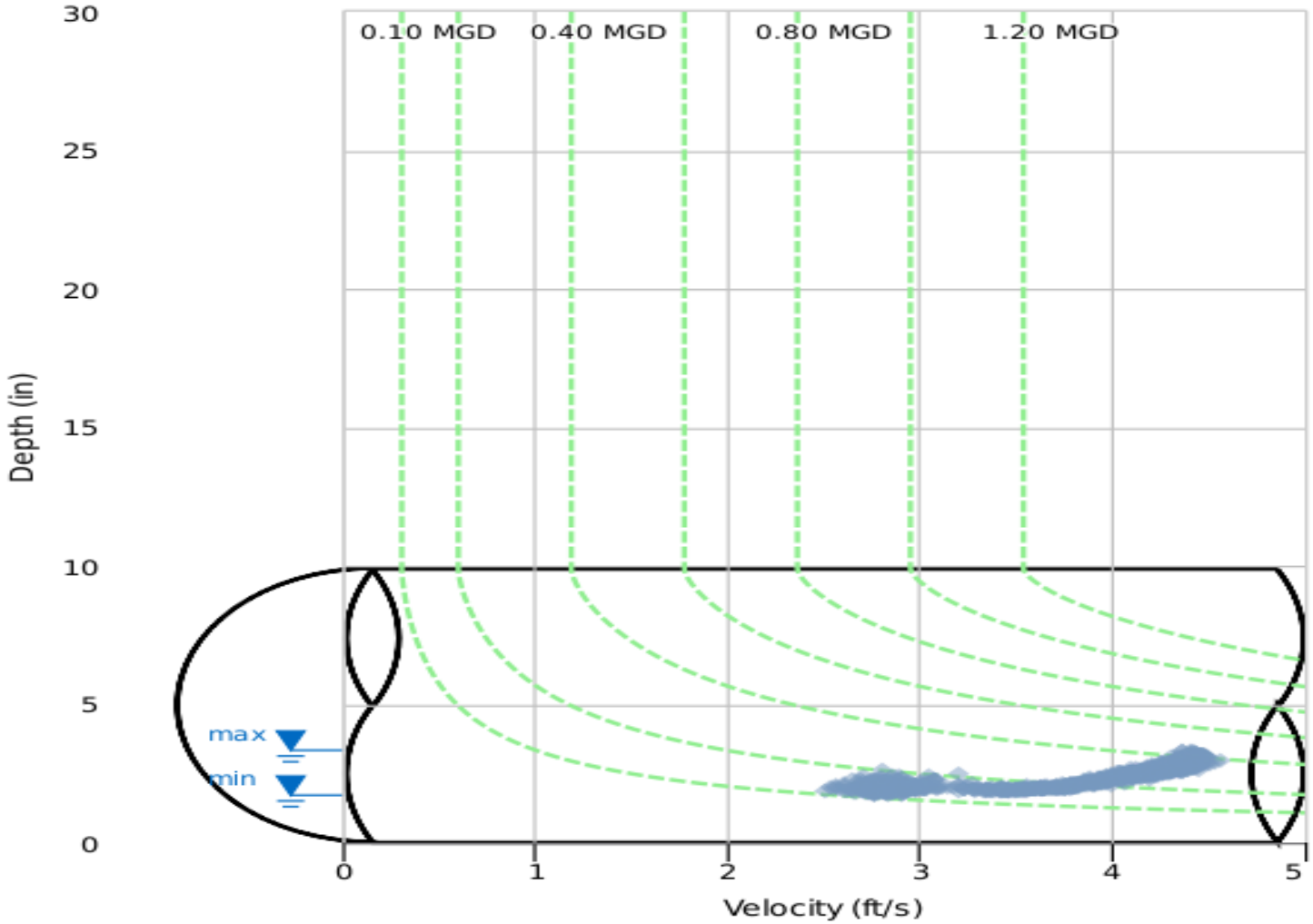
Pipe Height
9.88
in

Report Period

01/28/2023
To
02/03/2023

Legend

- DFINAL - VFINAL
- Iso-Q™
- Min-Max Depth



Daily Tabular Report

01/28/2023 00:00 - 02/03/2023 23:55
MH070Pipe: Elliptical (9.88 in H x 9.75 in W), Silt0.00 in

	DFINAL (in)					VFINAL (ft/s)					QFINAL (MGD - Total MG)						Rain (in)
Date	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
01/28/2023	04:55	1.71	21:00	3.15	2.52	02:40	2.56	14:10	4.48	3.99	05:00	0.111	21:00	0.411	0.282	0.282	-
01/29/2023	05:25	1.82	20:20	3.20	2.56	05:20	2.62	19:25	4.53	4.02	05:25	0.118	20:20	0.425	0.291	0.291	-
01/30/2023	04:30	1.88	18:55	3.13	2.48	05:05	2.64	18:10	4.45	4.01	05:05	0.125	18:55	0.409	0.274	0.274	-
01/31/2023	04:35	1.81	20:00	3.33	2.49	04:10	2.53	18:30	4.56	3.95	04:35	0.117	20:00	0.440	0.273	0.273	-
02/01/2023	04:10	1.82	20:50	3.16	2.48	03:20	2.61	20:10	4.48	3.95	04:10	0.119	20:50	0.412	0.271	0.271	-
02/02/2023	04:25	1.76	21:15	3.11	2.47	02:35	2.60	19:05	4.48	3.97	04:25	0.113	21:15	0.410	0.272	0.272	-
02/03/2023	04:30	1.76	20:15	3.05	2.47	04:15	2.51	20:20	4.47	3.97	04:10	0.113	20:40	0.397	0.270	0.269	-

01/28/2023 00:00 - 02/03/2023 23:55

	DFINAL (in)	VFINAL (ft/s)	QFINAL (MGD - Total MG)	Rain (in)
Total			1.931	
Average	2.50	3.98	0.276	

MH057

Site Commentary

SITE INFORMATION

Pipe	Round (12 in H)
Silt	0.00 (in)

OBSERVATIONS

Average flow depth, velocity, and quantity data observed during **Thursday, 16 February 2023 to Wednesday, 22 February 2023**, along with observed minimum and maximum data, are provided in the following table. This site was originally installed in an incorrect location. The equipment was relocated to the correct manhole and the monitoring period was extended to capture the correct data.

This site functioned under normal conditions during the study period. No surcharge conditions were experienced at this location.

This line is located downstream of site MH044. No perceptible net flow was recorded between the sites.

Observed Flow Conditions			
Item	**DFINAL (in)**	**VFINAL (ft/s)**	**QFINAL (MGD - Total MG)**
Average	3.55	2.19	0.289
Minimum	2.10	1.31	0.079
Maximum	4.48	2.89	0.467
Min Time	02/17/2023 4:35:00 AM	02/17/2023 3:50:00 AM	02/17/2023 4:35:00 AM
Max Time	02/20/2023 9:45:00 PM	02/22/2023 9:40:00 PM	02/21/2023 8:20:00 PM

Based upon the quality and consistency of the observed flow depth and velocity data, the Continuity equation was used to calculate flow rate and quantities during the monitoring period.

Values in the Observed Flow Conditions and data on the graphical reports are based on the five minutes average.

DATA UPTIME

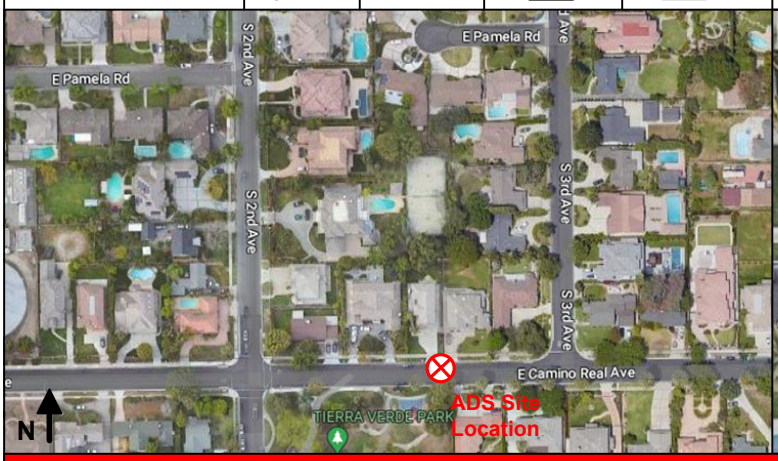
Data uptime observed during **Thursday, 16 February 2023 to Wednesday, 22 February 2023** is provided in the following table:

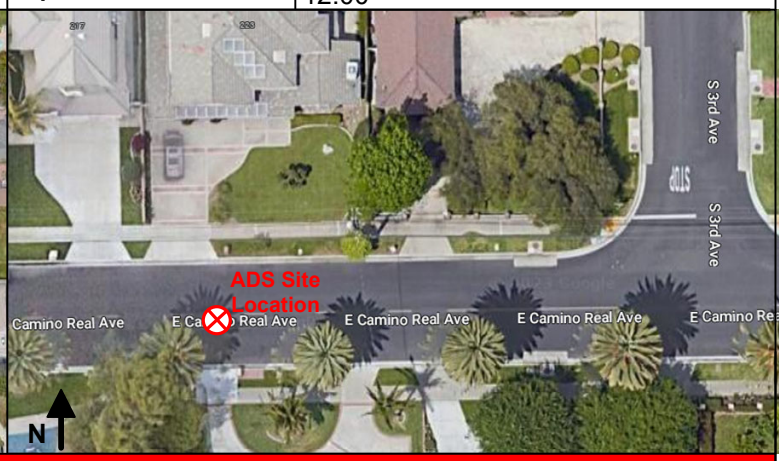
Percent Uptime	
DFINAL (in)	100
VFINAL (ft/s)	100
QFINAL (MGD - Total MG)	100

ADS Site Report

Quality Form

Project Name:	Arcadia.Derby.TFM.CA22	**City:**	Arcadia	**Agency:**	**FM Initials:** VM
Site Name:	MH057	**Install Date:**	2/15/23	**Monitor Type**	Peak Doppler
Address/Location:	223 E Camino Real Ave			**Monitor Model**	Triton +
				Data Acquisition	Manual/Wireless Collect
				Manhole ID	
Access:	Drive	**Type of System:**	Sanitary [X] Storm [ ] Combined [ ]	**Pipe Height:**	12.00 "
				Pipe Width:	12.00 "





Investigation Information:

Date/Time of Investigation:	2/15/23 @ 7:15 AM
Site Hydraulics:	Good straight through flow
Upstream Input: (L/S, P/S)	Not Investigated
Upstream Manhole:	Not Investigated
Downstream Manhole:	Not investigated
Depth of Flow:	3.63 " +/- 0.25"
Range (Air DOF):	+/-
Peak Velocity:	2.38 fps
Silt:	0 Inches

Manhole Information:

Manhole Depth:	130.00 "
Manhole Material / Condition	Brick/Good
Pipe Material / Condition:	VCP/Good

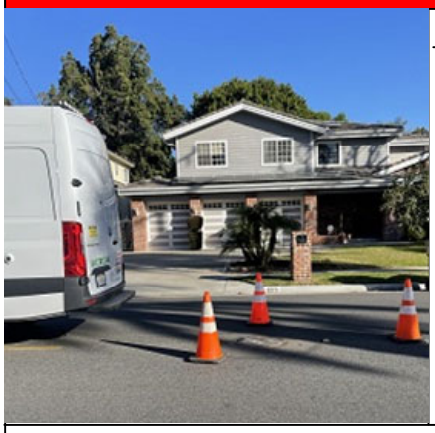
Land Use:	Residential	Commercial	Industrial	Other
	[X]	[ ]	[ ]	[ ]

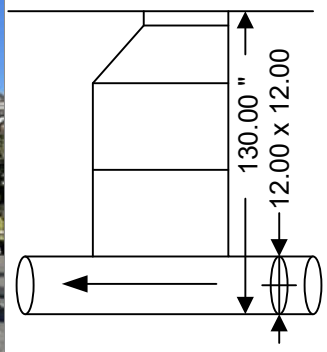
Oxygen: 20.9 **H2S:** 0 **LEL:** 0 **CO:** 0

Safety Notes:

2 man crew required and one blower is to be operated at all times.

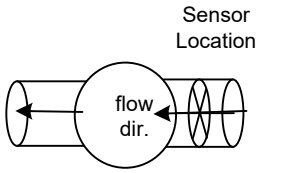
Other Information:





Cross Section





Plan

Installation Information		Backup	Yes	No	?	Distance
Installation Type:	Standard	Trunk	[ ]	[x]	[ ]	
Sensors Devices:	Ultrasonic/Velocity/Pressure	Lift / Pump Station	[ ]	[x]	[ ]	
Surcharge Height:	0	WWTP	[ ]	[x]	[ ]	
Rain Gauge Zone:		Other	[ ]	[x]	[ ]	

Additional Site Information / Comments:

Standard Traffic Control with No Safety Concerns

Hydrograph Report

MH057

Flow Monitor

MH057

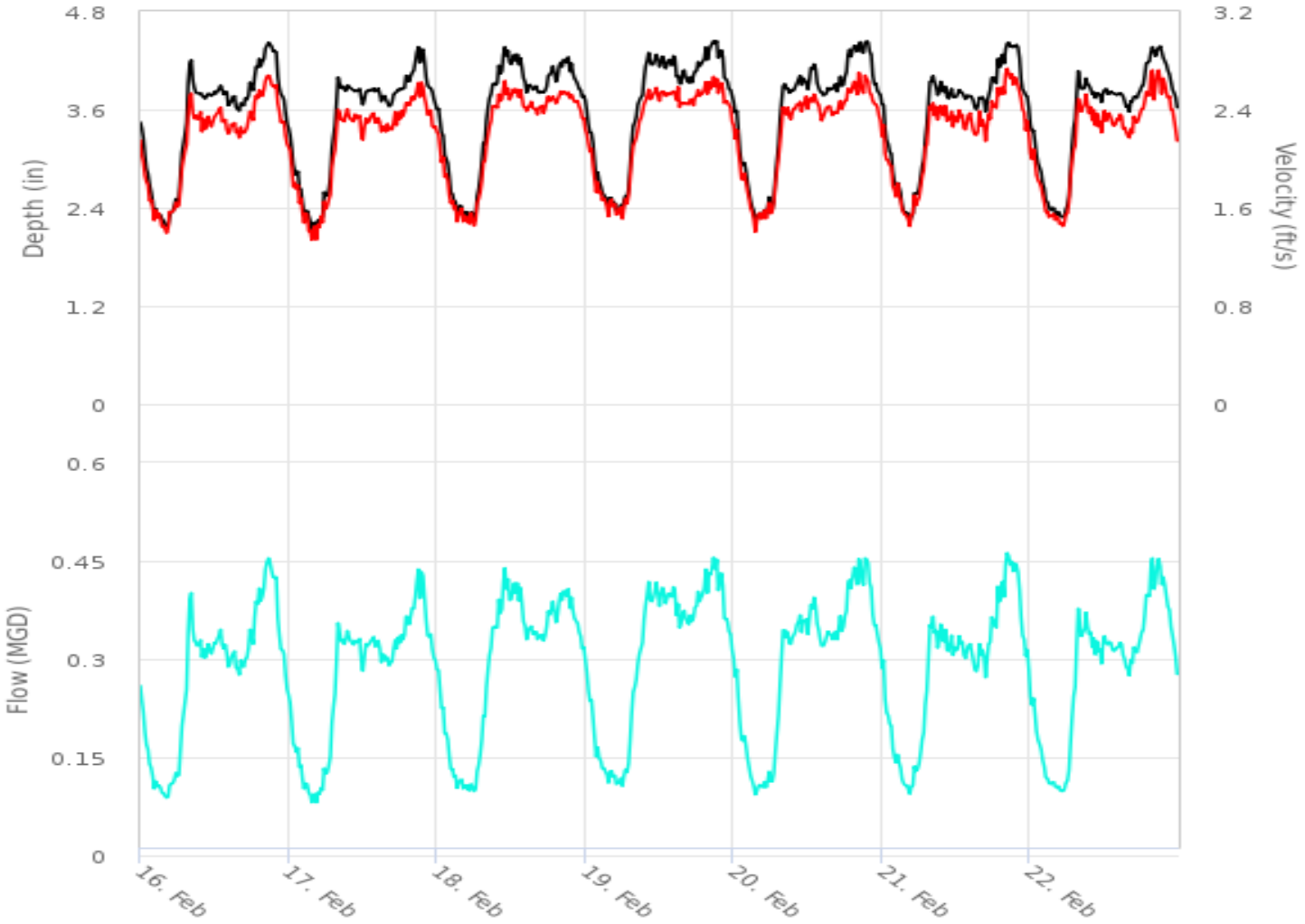
Pipe Height
12.00
in

Report Period

02/16/2023
To
02/22/2023

Legend

DFINAL
QFINAL
VFINAL



Scattergraph Report

MH057

Flow Monitor

MH057

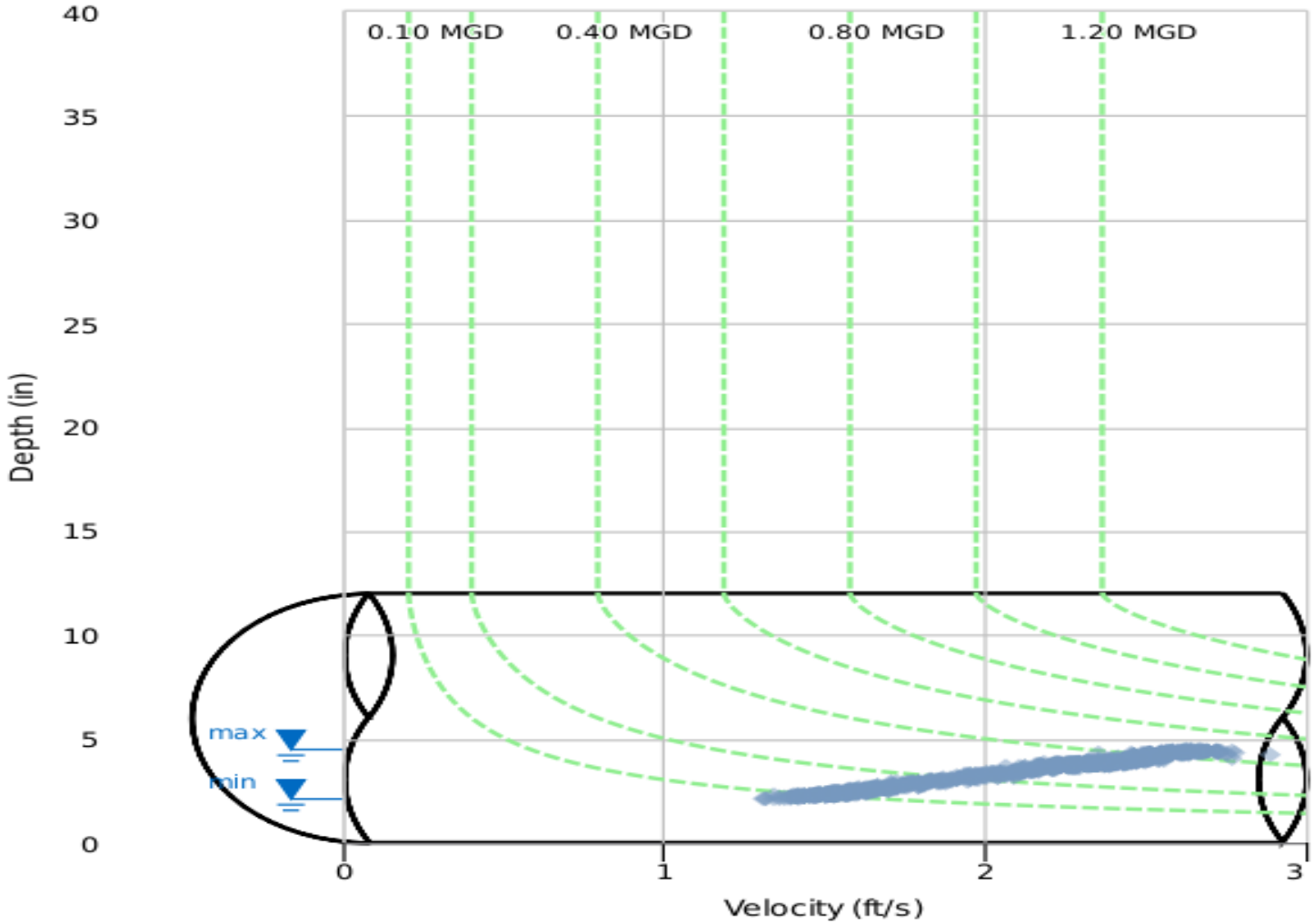
Pipe Height
12.00
in

Report Period

02/16/2023
To
02/22/2023

Legend

- DFINAL - VFINAL
- Iso-Q™
- Min-Max Depth



Daily Tabular Report

02/16/2023 00:00 - 02/22/2023 23:55
MH057Pipe: Round (12 in H), Silt0.00 in

	DFINAL (in)					VFINAL (ft/s)					QFINAL (MGD - Total MG)						Rain (in)
Date	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
02/16/2023	04:15	2.17	20:45	4.42	3.49	04:20	1.39	20:45	2.72	2.15	04:20	0.088	20:45	0.462	0.277	0.277	-
02/17/2023	04:35	2.10	21:00	4.41	3.47	03:50	1.31	21:35	2.67	2.13	04:35	0.079	21:00	0.448	0.272	0.272	-
02/18/2023	05:15	2.23	11:05	4.37	3.57	05:20	1.42	10:55	2.66	2.21	05:15	0.093	11:10	0.445	0.294	0.294	-
02/19/2023	05:05	2.33	21:20	4.46	3.65	06:00	1.49	15:05	2.77	2.25	05:05	0.105	20:50	0.462	0.308	0.308	-
02/20/2023	03:40	2.21	21:45	4.48	3.60	03:35	1.36	20:25	2.74	2.23	03:35	0.089	20:25	0.465	0.299	0.299	-
02/21/2023	04:30	2.20	20:30	4.42	3.56	04:35	1.41	20:20	2.77	2.20	04:35	0.090	20:20	0.467	0.290	0.290	-
02/22/2023	05:30	2.24	21:05	4.38	3.53	05:30	1.38	21:40	2.89	2.18	05:30	0.090	20:50	0.463	0.285	0.284	-

02/16/2023 00:00 - 02/22/2023 23:55

	DFINAL (in)	VFINAL (ft/s)	QFINAL (MGD - Total MG)	Rain (in)
Total			2.023	
Average	3.55	2.19	0.289	

APPENDIX F
ESTIMATED AVERAGE DAILY SEWAGE FLOWS FOR VARIOUS OCCUPANCIES

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Estimated Average Daily Sewage Flows for Various Occupancies

Occupancy	Abbreviation	*Average daily flow	
Apartment Buildings:			
Bachelor or Single dwelling units	Apt	150	gal/D.U.
1 bedroom dwelling units	Apt	200	gal/D.U.
2 bedroom dwelling units	Apt	250	gal/D.U.
3 bedroom or more dwelling units	Apt	300	gal/D.U.
Auditoriums, churches, etc.	Aud	5	gal/seat
Automobile parking	P	25	gal/1000 sq ft gross floor area
Bars, cocktails lounges, etc.	Bar	20	gal/seat
Commercial Shops & Stores	CS	100	gal/1000 sq ft gross floor area
Hospitals (surgical)	HS	500	gal/bed
Hospitals (convalescent)	HC	85	gal/bed
Hotels	H	150	gal/room
Medical Buildings	MB	300	gal/1000 sq ft gross floor area
Motels	MB	150	gal/unit
Office Buildings	Off	200	gal/1000 sq ft gross floor area
Restaurants, cafeterias, etc.	R	50	gal/seat
Schools:			
Elementary or Jr. High	S	10	gal/student
High Schools	HS	15	gal/student
Universities or Colleges	U	20	gal/student
College Dormitories	CD	85	gal/student

*Multiply the average daily flow by 2.5 to obtain the peak flow

Zoning Coefficients

Zone	Coefficient (cfs/Acre)
Agriculture ----------	0.001
Residential*:	
R-1 ----------	0.004
R-2 ----------	0.008
R-3 ----------	0.012
R-4 ----------	0.016*
Commercial:	
C-1 through C-4 ----------	0.015*
Heavy Industrial:	
M-1 through M-4 ----------	0.021*

* Individual building, commercial or industrial plant capacities shall be the determining factor when they exceed the coefficients shown

* Use 0.001 (cfs/unit) for condominiums only