EXHIBIT "F"

FINAL
ENVIRONMENTAL IMPACT REPORT

FOR THE

5175 VINCENT AVENUE PROJECT
(SCH #: 2018121056)

JULY 2021

Prepared for:

City of Irwindale
Community Development Department
Planning Division
5050 North Irwindale Avenue
Irwindale, CA 91706

Prepared by:

De Novo Planning Group
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(916) 580-9818

De Novo Planning Group

A Land Use Planning, Design, and Environmental Firm

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FINAL EIR

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INTRODUCTION

The City of Irwindale (City) determined that a project-level environmental impact report (EIR) was required for the proposed 5175 Vincent Avenue Project (Project) pursuant to the requirements of the California Environmental Quality Act (CEQA).

A Project EIR is an EIR which examines the environmental impacts of a specific development project. This type of EIR focuses primarily on the changes in the environment that would result from the project. A Project EIR examines all phases of the project including planning, construction and operation. The Project EIR approach is appropriate for the 5175 Vincent Avenue Project because it allows comprehensive consideration of the reasonably anticipated scope of the Project, including development and operation of the Project, as described in greater detail below.

PROJECT DESCRIPTION

The following provides a brief summary and overview of the proposed Project. Chapter 2.0 of the Draft EIR includes a detailed description of the proposed Project, including maps and graphics. The reader is referred to Chapter 2.0 of the Draft EIR for a more complete and thorough description of the components of the proposed Project.

The proposed Project is the development of 26.05 acres of land that was formerly used as a mining pit (Manning Pit) dating back to the 1930s. The proposed Project includes development of a 545,735 square feet (sf) industrial warehouse building. The building would be a concrete tilt-up. Approximately 540,447 sf would be ground floor area and 5,000 sf would be mezzanine area. The proposed site plan is shown on Figure 2.0-5. A reclamation process for the mine was completed and a closure report was approved by the City Council in January 2019 allowing for the development of the site for new development.

The City of Irwindale General Plan specifically addresses development of the Manning Pit, a portion of which is the Project site. The General Plan notes that the City owned the northern portion of the pit, which contains two parcels: 8417-034-015 and 8417-034-016. The western parcel on the former Manning Pit (8417-034-912) is approximately 10 acres and is designated Residential, which is not part of the Project development. The eastern parcels comprise the Project site, and contain 19.12 acres of Industrial/Business Park and 6.93 acre of Residential. The entire 26.05 acres is zoned M-2 “Heavy Manufacturing.” This inconsistency between the General Plan land use designation and the zoning is associated with the 6.93 acres of Residential land use where the designation doesn’t align with the parcel boundary. The inconsistency between the General Plan and the zoning requires an amendment to bring the allowed uses/zoning into consistency before the Project could be developed in a way that meets the Project objectives.

The City has received an application to change the 6.93-acre portion of the parcel from "Residential" to "Industrial/Business Park," which is consistent with the land use on the balance of the parcel. In addition to the General Plan Amendment, a Site Plan and Design Review application and Lot Line Adjustment are under concurrent review. A combination of the development and

legislative applications and combining of the lots involves the development of the two (2) parcels as a single use industrial Project. This amendment would make the entire parcel a single use. The parcel to the west of the subject property would remain designated Residential.

The Industrial/Business Park General Plan land use designation allows for a variety of uses including: light industry, heavy industry, distribution, or commercial uses. The proposed Project, however, is an industrial warehouse building, which is specifically allowed under the Industrial/Business Park land use and the M-2 "Heavy Manufacturing" zoning.

Using the maximum floor-area-ratio (FAR) for the Industrial/Business Park designation (1.0:1.0), the development of the site would allow for the construction of 1,134,738 sf of industrial uses, 832,867 sf of which is located on the 19.12 acres that is currently designated Industrial/Business Park under the existing General Plan land use. The application received by the City of Irwindale does not propose a building anywhere close to the maximum FAR for the Project site. Instead, the application submitted to the City includes an industrial warehouse building totaling 545,735 sf, which is approximately 48% of the maximum FAR allowed for this General Plan land use.

Refer to Section 2.0, Project Description, in the Draft EIR for a more complete description of the details of the proposed Project.

ALTERNATIVES TO THE PROPOSED PROJECT

Section 15126.6 of the CEQA Guidelines requires an EIR to describe a reasonable range of alternatives to the project or to the location of the project which would reduce or avoid significant impacts, and which could feasibly accomplish the basic objectives of the proposed project. Three alternatives to the proposed Project were developed based on input from City staff, the public during the NOP review period, and the technical analysis performed to identify the environmental effects of the proposed Project. The alternatives analyzed in this EIR include the following three alternatives in addition to the proposed Project.

- **No Project (No Build) Alternative**: Under this alternative, development of the Project site would not occur, and the Project site would remain in its current existing condition.
- **Multiple Building Alternative:** Under this alternative, the proposed Project would be developed with the same type of use as described in the Project Description, but the warehouse building would be split into three smaller warehouse buildings.
- **Maximum FAR Alternative:** Under this alternative, the proposed Project would be developed using the maximum floor-area-ratio (FAR).

These alternatives are described in detail in Chapter 5.0, Alternatives to the Proposed Project, in the Draft EIR. As shown in Table ES-1, the No Project (No Build) Alternative is the environmentally superior alternative. However, as required by CEQA, when the No Project (No Build) Alternative is the environmentally superior alternative, the environmentally superior alternative among the others must be identified. Therefore, the Multiple Building Alternative would be the next environmentally superior alternative because this alternative would reduce impacts related to

noise and transportation. However, the Multiple Building Alternative would not fully meet all of the Project objectives.

TABLE ES-1: COMPARISON OF ALTERNATIVE PROJECT IMPACTS TO THE PROPOSED PROJECT

ENVIRONMENTAL ISSUE	*NO PROJECT (NO BUILD) ALTERNATIVE*	*MULTIPLE BUILDING ALTERNATIVE*	*MAXIMUM FAR ALTERNATIVE*
Aesthetics and Visual Resources	Less (Best)	Greater (2nd Best)	Greater (3rd Best)
Air Quality	Less (Best)	Equal (2nd Best)	Greater (3rd Best)
Geology and Soils	Less (Best)	Equal (2nd Best)	Equal (3rd Best)
Greenhouse Gases, Climate Change and Energy	Less (Best)	Equal (2nd Best)	Greater (3rd Best)
Hazards and Hazardous Materials	Less (Best)	Equal (2nd Best)	Equal (3rd Best)
Hydrology and Water Quality	Less (Best)	Equal (2nd Best)	Equal (3rd Best)
Noise	Less (Best)	Less (2nd Best)	Greater (3rd Best)
Transportation and Circulation	Less (Best)	Less (2nd Best)	Greater (3rd Best)

GREATER = GREATER IMPACT THAN THAT OF THE PROPOSED PROJECT
LESS = LESS IMPACT THAN THAT OF THE PROPOSED PROJECT
EQUAL = NO SUBSTANTIAL CHANGE IN IMPACT FROM THAT OF THE PROPOSED PROJECT

COMMENTS RECEIVED

The Draft EIR addressed environmental impacts associated with the proposed Project that are known to the City, were raised during the Notice of Preparation (NOP) process, or raised during preparation of the Draft EIR. During the NOP process, several comments were received related to the analysis that should be included in the Draft EIR. These comments are included as Appendix A of the Draft EIR, and were considered during preparation of the Draft EIR.

The City of Irwindale received 10 individual comment letters on the Draft EIR. These comment letters on the Draft EIR are identified in Table 2.0-1 of this Final EIR. The comments received during the Draft EIR review processes are addressed within this Final EIR.

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This Final Environmental Impact Report (Final EIR) was prepared in accordance with the California Environmental Quality Act (CEQA) and the State CEQA Guidelines (Section 15132). The City of Irwindale (Irwindale, or City) is the lead agency for the environmental review of the 5175 Vincent Avenue Project (Project) and has the principal responsibility for approving the Project. This Final EIR assesses the expected environmental impacts resulting from approval of the Project and associated impacts from subsequent development and operation of the Project, as well as responds to comments received on the Draft Environmental Impact Report (Draft EIR).

1.1 PURPOSE AND INTENDED USES OF THE EIR

CEQA REQUIREMENTS FOR A FINAL EIR

This Final EIR for the proposed Project has been prepared in accordance with the CEQA and State CEQA Guidelines. State CEQA Guidelines Section 15132 requires that a Final EIR consist of the following:

- the Draft EIR or a revision of the draft;
- comments and recommendations received on the Draft EIR, either verbatim or in summary;
- a list of persons, organizations, and public agencies commenting on the Draft EIR;
- the responses of the lead agency to significant environmental concerns raised in the review and consultation process; and
- any other information added by the lead agency.

In accordance with State CEQA Guidelines Section 15132(a), the Draft EIR is incorporated by reference into this Final EIR.

An EIR must disclose the expected environmental impacts, including impacts that cannot be avoided, growth-inducing effects, impacts found not to be significant, and significant cumulative impacts, as well as identify mitigation measures and alternatives to the proposed Project that could reduce or avoid its adverse environmental impacts. CEQA requires government agencies to consider and, where feasible, minimize environmental impacts of proposed development, and an obligation to balance a variety of public objectives, including economic, environmental, and social factors.

PURPOSE AND USE

The City of Irwindale, as the lead agency, has prepared this Final EIR to provide the public and responsible and trustee agencies with an objective analysis of the potential environmental impacts resulting from approval, construction, and operation of the proposed 5175 Vincent Avenue. Responsible and trustee agencies that may use the EIR are identified in Sections 1.0 and 2.0 of the Draft EIR.

The environmental review process enables interested parties to evaluate the proposed Project in terms of its environmental consequences, to examine and recommend methods to eliminate or

reduce potential adverse impacts, and to consider a reasonable range of alternatives to the Project. While CEQA requires that consideration be given to avoiding adverse environmental effects, the lead agency must balance adverse environmental effects against other public objectives, including the economic and social benefits of a project, in determining whether a project should be approved.

This EIR will be used as the primary environmental document to evaluate all aspects of construction and operation of the proposed Project. The details and operational characteristics of the proposed Project are identified in Chapter 2.0, Project Description, of the Draft EIR (February 2021).

1.2 ENVIRONMENTAL REVIEW PROCESS

The review and certification process for the EIR has involved, or will involve, the following general procedural steps:

NOTICE OF PREPARATION AND INITIAL STUDY

The City of Irwindale circulated an Initial Study (IS) and Notice of Preparation (NOP) of an EIR for the proposed Project on February 10, 2020 to the State Clearinghouse, State Responsible Agencies, State Trustee Agencies, Other Public Agencies, Organizations and Interested Persons. A public scoping meeting was held on February 20, 2020 to present the Project description to the public and interested agencies, and to receive comments from the public and interested agencies regarding the scope of the environmental analysis to be included in the Draft EIR. Concerns raised in response to the NOP were considered during preparation of the Draft EIR. The IS, NOP and responses to the NOP by interested parties are presented in Appendix A of the Draft EIR.

NOTICE OF AVAILABILITY AND DRAFT EIR

The City of Irwindale published a public Notice of Availability (NOA) for the Draft EIR on February 17, 2021 inviting comment from the public, agencies, organizations, and other interested parties. The NOA was filed with the State Clearinghouse (SCH # 2018121056) and the County Clerk, and was published in a local newspaper pursuant to the public noticing requirements of CEQA. The Draft EIR was available for public review and comment from February 17, 2021 through April 2, 2021. Comments received in response to the NOP were considered in preparing the analysis in the Draft EIR.

The Draft EIR contains a description of the Project, description of the environmental setting, identification of Project impacts, and mitigation measures for impacts found to be significant, as well as an analysis of Project alternatives, identification of significant irreversible environmental changes, growth-inducing impacts, and cumulative impacts. The Draft EIR identifies issues determined to have no impact or a less-than-significant impact, and provides detailed analysis of potentially significant and significant impacts.

RESPONSE TO COMMENTS/FINAL EIR

The City of Irwindale received 11 individual comment letters. These comment letters on the Draft EIR are identified in Table 2.0-1 of this Final EIR. The comments received during the Draft EIR review processes are addressed within this Final EIR.

In accordance with CEQA Guidelines Section 15088, this Final EIR responds to the written comments received on the Draft EIR. This Final EIR also contains minor edits to the Draft EIR, which are included in Chapter 3.0, Revisions. This document, as well as the Draft EIR as amended herein, constitute the Final EIR.

CERTIFICATION OF THE EIR/PROJECT CONSIDERATION

The City of Irwindale will review and consider the Final EIR. If the City finds that the Final EIR is "adequate and complete," the Irwindale Planning Commission may certify the Final EIR in accordance with CEQA and City of Irwindale environmental review procedures and codes. The rule of adequacy generally holds that an EIR can be certified if:

1) The EIR shows a good faith effort at full disclosure of environmental information; and

2) The EIR provides sufficient analysis to allow decisions to be made regarding the proposed project which intelligently take account of environmental consequences.

Upon review and consideration of the Final EIR, the Irwindale Planning Commission may take action to approve, revise, or reject the proposed redevelopment Project. A decision by the Planning Commission to approve the 5175 Vincent Avenue Project, for which this EIR identifies significant environmental effects, must be accompanied by written findings in accordance with State CEQA Guidelines Sections 15091 and 15093. A Mitigation Monitoring and Reporting Program, as described below, would also be adopted in accordance with Public Resources Code Section 21081.6(a) and CEQA Guidelines Section 15097 for mitigation measures that have been incorporated into or imposed upon the Project to reduce or avoid significant effects on the environment. This Mitigation Monitoring and Reporting Program has been designed to ensure that these measures are carried out during Project implementation, in a manner that is consistent with the EIR.

1.3 ORGANIZATION OF THE FINAL EIR

This Final EIR has been prepared consistent with Section 15132 of the State CEQA Guidelines, which identifies the content requirements for Final EIRs. This Final EIR is organized in the following manner:

CHAPTER 1.0 – INTRODUCTION

Chapter 1.0 briefly describes the purpose of the environmental evaluation, identifies the lead, agency, summarizes the process associated with preparation and certification of an EIR, and identifies the content requirements and organization of the Final EIR.

CHAPTER 2.0 – COMMENTS ON THE DRAFT EIR AND RESPONSES

Chapter 2.0 provides a list of commenters, copies of written and electronic comments made on the Draft EIR (coded for reference), and responses to those written comments.

CHAPTER 3.0 – REVISIONS

Chapter 3.0 consists of minor revisions and edits to the Draft EIR in response to comments received on the Draft EIR.

CHAPTER 4.0 – FINAL MMRP

Chapter 4.0 consists of a Mitigation Monitoring and Reporting Program (MMRP). The MMRP is presented in a tabular format that presents the impacts, mitigation measure, and responsibility, timing, and verification of monitoring.

2.1 INTRODUCTION

No new significant environmental impacts or issues, beyond those already covered in the Draft EIR for the 5175 Vincent Avenue Project, were raised during the comment period. Responses to comments received during the comment period do not involve any new significant impacts or add "significant new information" that would require recirculation of the Draft EIR pursuant to CEQA Guidelines Section 15088.5.

CEQA Guidelines Section 15088.5 states that: *New information added to an EIR is not "significant" unless the EIR is changed in a way that deprives the public of a meaningful opportunity to comment upon a substantial adverse environmental effect of the project or a feasible way to mitigate or avoid such an effect (including a feasible project alternative) that the project's proponents have declined to implement.*

Sections 2.0 and 3.0 of this Final EIR include information that has been added to the EIR since the close of the public review period in the form of responses to comments and revisions.

The Draft EIR was circulated and available for comments from February 17, 2021 through April 2, 2021. The Notice of Preparation (NOP) was circulated from February 10, 2020 through March 11, 2020. NOP comments were addressed in the DEIR, while the DEIR comments are addressed in this Final EIR.

2.2 LIST OF COMMENTERS

Table 2.0-1 lists the comments on the Draft EIR that were submitted to the City of Irwindale during the 45-day public review period for the Draft EIR. Letter J was received after the close of the public review period. The assigned comment letter or number, letter date, letter author, and affiliation, if presented in the comment letter or if representing a public agency, are also listed. Letters received are coded with letters (A, B, etc.).

TABLE 2.0-1 LIST OF COMMENTERS ON DRAFT EIR

RESPONSE LETTER	*INDIVIDUAL OR SIGNATORY*	*AFFILIATION*	*DATE*
A	Edward & Margaret Curren	Residents of Covina	3-23-2021
B	Frederick & Rebecca Barbosa	Residents of Los Angeles County	3-30-2021
C	Board of Directors	Golden State Environmental Justice Alliance	3-17-2021
D	James Trenkamp & Charlotte Santos	Residents of Los Angeles County	4-1-2021
E	John Chico	Resident of Irwindale	4-5-2021
F	Matt Hagemann & Paul Rosenfield	SWAPE	3-22-2021
G	Miya Edmonson	California Department of Transportation	3-29-2021
H	Dee Hanson-Lugo	County of Los Angeles Department of Public Health	3-30-2021
I	Adriana Raza	Los Angeles County Sanitation District	3-25-2021
J	Robert Krieger	California Air Resources Board	4-13-2021

2.3 COMMENTS AND RESPONSES

REQUIREMENTS FOR RESPONDING TO COMMENTS ON A DRAFT EIR

CEQA Guidelines Section 15088 requires that lead agencies evaluate and respond to all comments on the Draft EIR that regard an environmental issue. The written response must address the significant environmental issue raised and provide a detailed response, especially when specific comments or suggestions (e.g., additional mitigation measures) are not accepted. In addition, the written response must be a good faith and reasoned analysis. However, lead agencies need only to respond to significant environmental issues associated with the project and do not need to provide all the information requested by the commenter, as long as a good faith effort at full disclosure is made in the EIR (CEQA Guidelines Section 15204).

CEQA Guidelines Section 15204 recommends that commenters provide detailed comments that focus on the sufficiency of the Draft EIR in identifying and analyzing the possible environmental impacts of the project and ways to avoid or mitigate the significant effects of the project, and that commenters provide evidence supporting their comments. Pursuant to CEQA Guidelines Section 15064, an effect shall not be considered significant in the absence of substantial evidence.

CEQA Guidelines Section 15088 also recommends that revisions to the Draft EIR be noted as a revision in the Draft EIR or as a separate section of the Final EIR. Chapter 3.0 of this Final EIR identifies all revisions to the 5175 Vincent Avenue Draft EIR.

RESPONSES TO COMMENT LETTERS

Written comments on the Draft EIR are reproduced on the following pages, along with responses to those comments. To assist in referencing comments and responses, the following coding system is used:

- Each letter is lettered (i.e., Letter A) and each comment within each letter is numbered (i.e., comment A-1, comment A-2).

March 23, 2021

CITY OF IRWINDALE
COMMUNITY DEVELOPMENT
MAR 30 2021
RECEIVED

City of Irwindale,

We are again being threatened by the City of Irwindale and a developer to build a mega warehouse just to the west of the Vincent County residential area. This giant concrete tilt-up, high-cube, 2 story 126 bay monstrocity is not a good fit next to the residential area it will eclipse. A-1

The De Novo Planning Group has put together an environmental impact report (EIR) which I believe makes this project a nonfit for the area, both for the residences of Irwindale, and the Vincenty County residences. The over 2000 page report keeps getting larger each time it is revisited. A-2

With such a large construction, why won't the City and the developer say what the industry is interested in the building? They have to know. A-3

-1-

It has to be assumed it will be a business such as an Amazon type. This business runs a 24 hour, 365 day schedule, there would be a constant drone of vehicle engines, back-up sirens, extreme P/A system, and ringing phones. Additionally, the yelling of people working could also be a big possibility. With 126 bays this has to be expected. Where has a warehouse this large been built in an existing residential area? In fact, the city has to rezone an area next to the project, and make it a heavy manufacturing zone. A-4

Residents next to the development be it as it may, will be subjected to an unhealthy environment. This would be constant exhaust fumes, noise, light pollution, traffic, and who knows what other situations not thought of, such as loss of property value. A-5

-2-

Should this go forward, would any of the city counsel members want to live by this? I know I don't. Instead of rezoning for manufacturing, zone it for residential use as that is what is there and fits. A-6

The EIR gives three choices for the project as 1. One big building, 2. Multiple buildings, or 3. No building. I support the third option, do not build this project! A-7

Eduard • Margaret Curner
16508 E. Chadmoor St.
Covina, Ca. 91722-1011
626-332-5067 - Home

cc: To appropriate individuals

-3-

Response to Letter A: Edward & Margaret Curren, Residents of Covina

Response A-1: The commenter states they are being threatened by the City and a developer to build a mega warehouse which will be two stories with 126 bays. The comment concludes by stating that this is not a good fit next to the residential area it will eclipse.

This comment is noted. The impacts associated with the proposed Project are fully disclosed within the Draft EIR. Section 3.1, Aesthetics and Visual Resources, of the Draft EIR includes visual simulations for the proposed Project. See Figures 3.1-1a through 3.1-1c. The commenter's overall concerns have been forwarded to the decision makers for their consideration.

Response A-2: The commenter states the EIR makes this Project a nonfit for the area, both for the residences of Irwindale and the Vincent County residences. The commenter concludes by stating that the over 2,000 page report keeps getting larger each time it is revisited.

This comment is noted. The impacts associated with the proposed Project are fully disclosed within the Draft EIR. The commenter's overall concerns have been forwarded to the decision makers for their consideration.

Response A-3: The commenter questions why the City and the developer won't say what industry is interested in the building. As stated throughout the Draft EIR, including in Chapter 2.0, Project Description, an end user has not been identified for the proposed Project.

As discussed on page 2.0-6 of Chapter 2.0 of the Draft EIR, according to the Institute of Transportation Engineers, a high-cube warehouse is a building that typically has at least 200,000 gross sf of floor area, has a ceiling height of 24 feet or more, and is used primarily for the storage and/or consolidation of manufactured goods (and to a lesser extent, raw materials) prior to their distribution to retail locations or other warehouses. Given that the proposed Project includes an industrial warehouse building totaling 545,735 square feet (sf), it is classified as a high-cube warehouse building.

A typical high-cube warehouse has a high level of on-site automation and logistics management. The automation and logistics enable highly-efficient processing of goods through the high-cube warehouse. High-cube warehouses are generally grouped into five types: transload facility, short-term storage facility, fulfillment center, parcel hub, and cold storage facility. However, the proposed Project, specifically excludes fulfillment center, parcel hub, and cold storage facility as a potential end user of the building. The applicant has indicated that these three uses (fulfillment center, parcel hub, and cold storage facility) are not proposed uses, and the applicant has agreed to conditions on the Project that would prohibit these uses at the Project site. Should these three uses be proposed at some future date, further environmental review shall be required.

End users could include light industrial or manufacturing uses. However, there is not a specific end user/business established for the proposed building at this time. There are a variety of possible businesses that could occupy and operate their business from the proposed building. The uses for the proposed building may include any of the following: Manufacturing Warehouse, Light Industrial, High-Cube Short-term, and High-Cube Transload. These uses are allowed under the Industrial/Business Park land use designation and M-2 "Heavy Manufacturing" zoning designation.

Response A-4: The commenter states that it has to be assumed that the Project will be a business such as an Amazon type, which runs a 24-hour, 365-day schedule. The commenter further states that there

would be a constant drone of vehicle engines, back-up sirens, P/A system, ringing phones, and people yelling. Additionally, the commenter questions where another warehouse this large has been built in an existing residential area, and states that the City has to rezone an area next to the Project to make it a heavy manufacturing zone.

Please see Response A-3 regarding the potential end user. An Environmental Noise Assessment was completed for the Project (Saxelby Acoustics, 2020). Section 3.7, Noise, of the Draft EIR analyzes operational noise resulting from the Project, including transportation (parking and roadway) and loading dock noise. Operational noise at off-site receptors were determined to be less than significant. Additionally, the Draft EIR included a Multi-Building Alternative that reoriented the loading bays to the center of the Project site, or utilized the buildings themselves as sound attenuation. This Alternative further reduced the perception of noise by residents adjacent to the Project site.

Response A-5: The commenter states that residents next to the development will be subjected to an unhealthy environment, and the exhaust fumes, noise, light, traffic, and other situations, such as loss of property value.

The listed concerns were fully analyzed and disclosed in the Draft EIR. Impacts associated with exhaust fumes are analyzed in Section 3.2, Air Quality, of the Draft EIR. As discussed, with implementation of Mitigation Measure 3.2-2, the proposed Project would result in a less-than-significant impact related to vehicle exhaust. Impacts associated with noise are analyzed in Section 3.7, Noise, of the Draft EIR. All noise impacts were determined to be less-than-significant, or less-than-significant with implementation of mitigation. Impacts associated with light are analyzed in Section 3.1, Aesthetics and Visual Resources, of the Draft EIR. As discussed, with implementation of Mitigation Measure 3.1-1, the proposed Project would result in a less-than-significant impact related to light. Impacts associated with traffic are analyzed in Section 3.8, Transportation and Circulation, of the Draft EIR. All traffic impacts were determined to be less-than-significant, or less-than-significant with implementation of mitigation. Additionally, the Draft EIR included a Multi-Building Alternative that reoriented the loading bays to the center of the Project site. This is the area with more concentrated noise, light, and exhaust, which would create greater separation between the source and the residents adjacent to the Project site.

Property values are not a CEQA topic and were not analyzed in an EIR pursuant to the State law. The commenter's overall concerns have been forwarded to the decisionmakers for their consideration.

Response A-6: The commenter questions whether any of the City Council members would want to live by this. The commenter further states that, instead of rezoning for manufacturing, zone the site for residential use as that is what is there and fits.

This comment is noted. The proposed Project would not require a rezone for manufacturing. As discussed in Chapter 2.0, Project Description, of the Draft EIR, the western parcel on the former Manning Pit (8417-034-912) is approximately 10 acres and is designated Residential, which is not part of the Project development. The eastern parcels comprise the Project site, and contains 19.12 acres of Industrial/Business Park and 6.93 acres of Residential. The entire 26.05 acres is zoned M-2 "Heavy Manufacturing." The inconsistency between the General Plan land use designation and the zoning designation is a mapping error of 6.93 acres of Residential land use that doesn't align with the parcel boundary or the zoning map made by the cartographer when creating the original

Land Use and Zoning maps. The mapping error is being corrected through a General Plan Amendment.

Response A-7: The commenter states that the EIR gives three choices: one big building, multiple building, or no building. The commenter expresses the third option to not build this Project. The commenter has accurately summarized the three Project alternatives, as discussed in Chapter 5.0, Alternatives to the Proposed Project, of the Draft EIR. As discussed, the alternatives analyzed in this EIR include the following three alternatives in addition to the proposed Project.

- **No Project (No Build) Alternative**: Under this alternative, development of the Project site would not occur, and the Project site would remain in its current existing condition.
- **Multiple Building Alternative:** Under this alternative, the proposed Project would be developed with the same type of use as described in the Project Description, but the warehouse building would be split into three smaller warehouse buildings.
- **Maximum FAR Alternative:** Under this alternative, the proposed Project would be developed using the maximum floor-area-ratio (FAR).

This comment is noted and has been forwarded to the decisionmakers for their consideration.

March 30, 2021

Ms. Brandi Jones
Senior Planner
City of Irwindale, Planning Division
5050 North Irwindale Avenue
Irwindale, CA 91706

RE: Comments to the 5175 Vincent Avenue Project

Dear Ms. Jones,

As you probably know by now, we are completely against this project being developed across the street from our home, as well as our neighbors. B-1

The EIR shows there is no benefit to the city, with nothing positive to be gained for Irwindale residents, other than hardship. These hardships include deteriorating health, air quality, traffic congestion, and noise. One major negative impact will be the air quality; it will never improve. It is already damaging our young and old residents and this project will worsen it. Those that are currently healthy will also be affected. Public agencies such as the AQMD whose studies show the air quality in the San Gabriel Valley, with the city of Irwindale located in the middle, has one of the worst in the state. B-2

There will also be the decrease in homeowner value. It will never rebound should this project be accepted. Why was this very important fact omitted in the EIR? B-3

Localized Significant Thresholds (LSTs) studies include 1-to-5-acre sites, and are not consistent with this 26-acre lot. These statements need to be clarified. B-4

Flawed information is favorable to the developer. The EIR reports 580 truck trips per day, indicating 24 trucks per hour. Why are 126 bays then needed? The EIR shows a Walmart using only 2 bays, but the developer requests 126. This is a great misrepresentation of facts in that the 'expert' conducting loading dock noise measurements was on a two-bay operation during peak hours, but admits he's not observed this type of busy operation at a large industrial facility. High cube warehouses are all 'peak' hours. The developer wants a high cube warehouse, meaning 800-900 trucks per hour. Why is that not in the study? A purposeful, conservative opinion is given for a facility, who's end user is still unknown. That is false since the developer wants a high cube end warehouse with 126 bays yet uses a 114 bays facility for their study. This will impact Irwindale residents even more significantly. B-5

Noise comparisons have been made with jet engines, gas lawnmowers, diesel trucks and regular daytime noise. Truck traffic and congestion on Arrow Hwy is already bad enough without incurring more, and is guaranteed to increase by employees working at this facility. The noise impact to the number of back-up bells on trucks, in addition to trucks entering and leaving the facility on Vincent Avenue, has not been included in the study. The EIR breaks down the noise street by street, and not the cumulative effect on Vincent. B-6

CAL-Trans reports that some traffic studies do not add up and need justification. City traffic consultants have told the city how they can mitigate some of the traffic problems on the project. CAL-Trans and DOT are the only agencies that can alter the flow of traffic, with the city having no jurisdiction. B-7

Who or what gave the developer the right to claim 2.59 acres of existing parkland in proxy for the projects' landscape portion of the site? Is this action another gift to the developer, at the expense of residents? What is the explanation for this? B-8

As you can see, there is nothing beneficial to Irwindale residents with this project. We expect city leaders to take our concerns seriously, as well as those of all residents. In our interaction with neighbors, not one favors the project. B-9

Thank you for your time and serious consideration on a decision that will affect us now, and the future. B-10

Sincerely.

Frederick S. Barbosa
Rebecca A. Barbosa

Response to Letter B: Frederick & Rebecca Barbosa, Residents of Los Angeles County

Response B-1: The commenter states that they are against the Project being developed across from their home. This comment is noted and has been forwarded to the decision makers for their consideration.

Response B-2: The commenter states the Project would not benefit the City, and that Irwindale hardships would include deteriorating health, air quality, traffic congestion, and noise. The commenter also states that air quality is "already damaging our young and old residents and this Project will worsen it. Those that are currently healthy will also be affected. Public agencies such as the AQMD whose studies show the air quality in the San Gabriel Valley, with the city of Irwindale located in the middle, has one of the worst in the state."

This comment is noted. Criteria air pollutants emissions, vehicle trips, and noise would increase as a result of the proposed Project. The impacts associated with these topics are fully analyzed and disclosed in the Draft EIR. Impacts associated with air quality are analyzed in Section 3.2, Air Quality, of the Draft EIR.

As discussed, and shown in Table 3.2-5 and Table 3.2-6, although implementation of the proposed Project would not generate significant concentrations of pollutants at nearby sensitive receptors, the proposed Project is expected to exceed the Southern California Air Quality Management District (SCAQMD) mass threshold for operational nitrogen oxides (NOx), as modelled. Mitigation is provided under Mitigation Measure 3.2-1 to reduce emissions to the maximum extent feasible. However, even after implementation of these mitigation measures, operation of the Project would be considered to have a significant and unavoidable impact related to the potential to expose sensitive receptors to substantial pollutant concentrations or result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is in nonattainment. It is noted that the proposed Project would be required to implement Mitigation Measure 3.2-2, which would reduce the impact to a less then significant level. Further, a Health Risk Assessment was completed for the Project. Implementation of the proposed Project, in and of itself, would not result in a significant exposure of sensitive receptors to localized concentrations of Toxic Air Contaminants (TACs).

Impacts associated with traffic are analyzed in Section 3.8, Transportation and Circulation, of the Draft EIR. All traffic impacts were determined to be less-than-significant, or less-than-significant with implementation of mitigation. Impacts associated with noise are analyzed in Section 3.7, Noise, of the Draft EIR. All noise impacts were determined to be less-than-significant, or less-than-significant with implementation of mitigation.

Response B-3: The commenter states that, "There will also be the decrease in homeowner value. It will never rebound should this Project be accepted. Why was this very important fact omitted in the EIR?"

These are important factors to consider during deliberations on this Project, including community benefits and fiscal and financial outcomes. These are topics, however, that do not fit within the scope of environmental topics under the California Environmental Quality Act. The commenter's overall concerns have been forwarded to the decisionmakers for their consideration.

Response B-4: The commentor states that the EIR shows that the Localized Significance Thresholds (LSTs) studies include 1-to-5 acre sites, which are not consistent with the Project's 26-acre lot. The commentor requests clarification.

As provided in the Section 3.2: Air Quality section of the Draft EIR, the SCAQMD states that LST analysis for construction is applicable for all Projects that disturb five acres or less on a single day.

As described on pages 3.2-34 and 3.2-35 of Section 3.2: Air Quality section of the Draft EIR, the SCAQMD has issued guidance on applying the CalEEMod emissions software to LSTs for Projects greater than five acres. Since CalEEMod calculates construction emissions based on the number of equipment hours and the maximum daily soil disturbance activity possible for each piece of equipment, Table 3.2-8 (in Section 3.2: Air Quality) was used to determine the maximum daily disturbed-acreage for comparison to LSTs.

Project implementation was determined to potentially disturb up to 3.5 acres daily during the site preparation phase of construction, and 4.0 acres daily during the grading phase of construction, as shown in Table 3.2-8 and as further described on page 3.2-35 of Section 3.2: Air Quality of the Draft EIR. Therefore, as a conservative approach, the Project was evaluated in comparison to the 5-acre LSTs thresholds as promulgated by the SCAQMD, since the Project would not disturb greater than five acres on a single day (per SCAQMD guidance). As shown in Section 3.2: Air Quality section of the Draft EIR, based on this analysis, the Project would not exceed the applicable thresholds. No further response is required.

Response B-5: The commenter states that the EIR reports 580 truck trips per day, and questions why 126 truck bays would be needed when the Walmart uses only two bays. The commenter then states that, "This is a great misrepresentation of facts in that the 'expert' conducting loading dock noise measurements was on a two-bay operation during peak hours, but admits he's not observed this type of busy operation at a large industrial facility. High cube warehouses are all 'peak' hours. The developer wants a high cube warehouse, meaning 800-900 trucks per hour. Why is that not in the study? A purposeful, conservative opinion is given for a facility, who's end user is still unknown. That is false since the developer wants a high cube end warehouse with 126 bays yet uses a 114 bays facility for their study."

The comment is correct in noting that the Traffic Impact Analysis (TIA) forecasts 580 truck trips per day for the proposed Project. The Project trip generation forecast is conservatively based on Institute of Transportation Engineers (ITE) trip rates for the light industrial land use, which has a higher trip rate per square foot of building area compared to high-cube warehouses.

With regard to the commenters statement that a high-cube warehouse would generate 800 to 900 trucks per hour, this claim is not supported by ITE data. Based on ITE data, the high-cube warehouse land use generates an average of 1.81 daily trips per thousand square feet, of which approximately 27 percent are estimated to be trucks. Therefore, a high-cube warehouse of equivalent size as the proposed Project would be estimated to generate 267 truck trips per day. The TIA provides an adequate and conservative assessment of truck trips forecast to be generated by the Project.

Response B-6: The commenter states that the noise impacts do not include backup bells on trucks in addition to trucks entering and existing the facility. The commenter further states that the EIR breaks down noise street by street, and not the cumulative effect on Vincent.

The cumulative effect of new traffic noise on Vincent Avenue is shown in Table 3.7-9 in Section 3.7, Noise, of the Draft EIR. The analysis includes new truck traffic on Vincent Avenue. On-site noise sources such as vehicle movements, loading docks, and backup alarms is also analyzed, as shown on Figure 3.7-3. The increase in total noise from the Project is predicted to be 0.5 dBA L_{dn}.

Response B-7: The commenter states that, "CAL-Trans reports that some traffic studies do not add up and need justification. City traffic consultants have told the city how they can mitigate some of the traffic problems on the Project. CAL-Trans and DOT are the only agencies that can alter the flow of traffic, with the city having no jurisdiction."

This comment is noted. This comment does not address the adequacy of the Draft EIR. Nevertheless, the traffic analysis completed for the Project was completed pursuant to the CEQA Guidelines. Where necessary, mitigation measures are included in the Draft EIR to mitigate potential traffic-related impacts.

Response B-8: The commenter questions: "Who or what gave the developer the right to claim 2.59 acres of existing parkland in proxy for the Projects' landscape portion of the site? Is this action another gift to the developer, at the expense of residents? What is the explanation for this?"

The developer would not claim 2.59 acres of existing parkland. Instead, the Project includes 2.59 acres of landscaped area on-site. In order to model the air quality impacts resulting from all components of the proposed Project, the following land use assumptions were used in the model: Unrefrigerated Warehouse-No Rail – 545,735; Parking Lot – 11.05 acres; City Park – 2.59 acres. Note that the City Park land use is used as a proxy for the proposed landscaped portions of the Project site. A City Park is not proposed as part of the Project. Emissions modeling has been conducted utilizing CalEEMod™ (v.2016.3.2), developed for the California Air Pollution Officers Association (CAPCOA) in collaboration with California air districts. CalEEMod does not have a land use for landscaped area; as such, the City Park land use was used as a proxy. The developer would not claim this landscaped area as existing parkland.

Response B-9: The commenter questions, "As you can see, there is nothing beneficial to Irwindale residents with this Project. We expect city leaders to take our concerns seriously, as well as those of all residents. In our interaction with neighbors, not one favors the Project."

This comment is noted. This comment has been forwarded to the decisionmakers for their consideration.

Response B-10: This comment serves as a conclusion to the comment letter and does not warrant a response.

This comment is noted. No further response is necessary

P.O. Box 79222
Corona, CA 92877

March 17, 2021

VIA EMAIL

Brandi Jones, Senior Planner
City of Irwindale
5050 North Irwindale Avenue
Irwindale, CA 91706
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SUBJECT: COMMENTS ON 5175 VINCENT AVE. INDUSTRIAL PROJECT EIR (SCH NO. 2018121056)

To whom it may concern:

Thank you for the opportunity to comment on the Environmental Impact Report (EIR) for the proposed 5175 Vincent Avenue Industrial project. Please accept and consider these comments on behalf of Golden State Environmental Justice Alliance. Also, Golden State Environmental Justice Alliance formally requests to be added to the public interest list regarding any subsequent environmental documents, public notices, public hearings, and notices of determination for this project. Send all communications to Golden State Environmental Justice Alliance P.O. Box 79222 Corona, CA 92877. C-1

1.0 Summary

The project proposes the construction and operation of one concrete tilt-up, high-cube industrial warehouse building of approximately 545,735 square feet (sf) (540,447 sf of ground floor area and 5,000 sf of mezzanine area), associated parking (including 199 standard parking stalls and 181 trailer stalls), and utility and landscaping improvements. C-2

1.1 Project Piecemealing and Project Implementation Prior to CEQA Review

The EIR does not accurately or adequately describe the project, meaning "the whole of an action, which has a potential for resulting in either a direct physical change in the environment, or a reasonably foreseeable indirect physical change in the environment" (CEQA § 15378). In October 2007, the former Irwindale Community Redevelopment Agency approved a License Agreement for Windrow Earth Transport (WET), Inc. to perform remediation and grading of the Manning Pit Project, which involved approximately 200 truck daily truck trips from 2007 - January 2019 to transport five million cubic yards of additional backfill material would be needed to fill the pit to near street level. CEQA § 15165 requires that where an individual project is a necessary precedent for action on a larger project, or commits the Lead Agency to a larger project, an EIR must address itself to the scope of the larger project. The pit reclamation project is a necessary precedent for action on the larger project - development of the pit site with an industrial building. It is clear that the project has been piecemealed into two separate projects - a reclamation project and an industrial development project. The EIR provides a description of the piecemealing activity with the following summary regarding the status of the reclamation activity in 2005:

"In response to the geotechnical data and conclusions from the testing, the City decided to reclaim the Project site in accordance with the City and County codes and guidelines. The mining waste under the construction rubble would be inspected by a Geotechnical Engineer who would determine suitability of materials to be left in place. Native alluvium material would not be removed. *After reclamation,* the City would then consider development proposals." C-3

This EIR has not provided any information regarding the CEQA analysis for the pit reclamation project. Based on our research, the Planning Commission approved CUP No. 9-08 and MND 4-08 for the reclamation project at their November 6, 2008 meeting. The meeting minutes note that the CUP request was "to allow for the remediation and backfilling of Irwindale Pit No. 1 (formerly the Manning Brothers Pit) *for future development.*" Performing CEQA analysis for the reclamation project separately changes the environmental setting for the development project and serves to present unduly low environmental impacts. Further, there is no discussion regarding CEQA analysis (if any was conducted) regarding the Lot Line Adjustment authorized by the City Council "to release the southerly ten foot area that is a part of the engineered buttress fill across the property boundary between the City Manning Pit and the Los Angeles County Flood Control District owned portion of the Manning Pit to the current property owner for future operation and maintenance as required by the City County Cooperative Agreement." The LLA is also a necessary precedent for action on the larger project and implementation of the project prior to CEQA review. The EIR must be revised to comply with CEQA § 15165 by preparing a Program EIR pursuant to CEQA § 15168.

2.0 Project Description

The project proposes the construction and operation of one concrete tilt-up, high-cube industrial warehouse building of approximately 545,735 square feet (sf) (540,447 sf of ground floor area and 5,000 sf of mezzanine area), associated parking (including 199 standard parking stalls and 181 trailer stalls), and utility and landscaping improvements. The 26.05 acre site includes 19.12 acres with a General Plan designation of Industrial/Business Park and 6.93 acres designated Residential.

The EIR chooses to state that the project is a general high-cube warehouse and will exclude a fulfillment center, parcel hub, or cold storage facility as a potential end user of the building, even though the end user has not yet been identified. However, the proposed project encompasses more characteristics of these three warehouse types which generate higher emissions and VMT than the general warehouse/transload/short-term storage warehousing analyzed by the EIR. SCAQMD's High-Cube Warehouse Vehicle Trip Generation Analysis[1] provides a list of project operational and building characteristics for each of the warehouse types. For example, fulfillment center and cold storage require ceiling heights of 40 feet or higher and the project proposes 40 feet clear interior height. Further, fulfillment center, parcel hub, and cold storage require large amounts of employee parking. The project proposes 199 passenger car spaces while only 53 are required by the Municipal Code. The project provides nearly four times the amount of code required parking. C-4

Additionally, the EIR describes that the project will have a very high level of automation. SCAQMD's analysis notes that only fulfillment center, parcel hub, and cold storage have high levels of automation in their material handling systems and conveying systems. Notably, a general/standard warehouse has little to no automation and both the Air Quality Analysis and Transportation Analysis model the project as a general warehouse or general light industrial. The Air Quality mitigation measures also demonstrate that the end user of the site will be either fulfillment center, parcel hub, or cold storage. C-5

Mitigation Measure 3.2-1:
At least five percent of all vehicle parking spaces shall include rough-in of electrical conduit for future EV charging stations. Further, provisions for future electrical hookups to plug in any onboard auxiliary equipment shall be provided for Project trucks at each dock door location. Electrical panels shall be appropriately sized to allow for future expanded use.

The EIR clearly anticipates an expansion of the use to allow for electrical hookups at each dock door location for auxiliary equipment on trucks. This indicates that trucks accessing the site will have auxiliary power units (APU) and/or transport refrigeration units (TRUs), which indicates that there will be refrigerated/cold storage at the project site. Further, the EIR's note regarding the C-6

[1] SCAQMD High-Cube Warehouse Vehicle Trip Generation Analysis
https://www.ite.org/pub/?id=a3e6679a%2De3a8%2Dbf38%2D7f29%2D2961becdd498

future expanded use is another example of project piecemealing. The EIR must be revised to accurately describe and analyze the whole of the action which has a potential for resulting in either a direct physical change in the environment, or a reasonably foreseeable indirect physical change in the environment (CEQA § 15378). This includes providing an accurate Project Description that includes all operational features and analyzing the whole of the action, which is the development and operation of a fulfillment center, parcel hub, or cold-storage warehouse based on building features, operational descriptions, required mitigation measures and the planned expansion of use. C-6 cont'd

2.1 Project Piecemealing

The EIR does not accurately or adequately describe the project, meaning "the whole of an action, which has a potential for resulting in either a direct physical change in the environment, or a reasonably foreseeable indirect physical change in the environment" (CEQA § 15378). The EIR describes the construction and operation of the warehouse project as well as the upzoning of a residential replacement site. The EIR maintains throughout that there are no construction plans to develop the residential replacement site, yet still provides relevant technical analysis for each required section. Since the replacement site would be a future residential infill construction project, it would be exempt from future CEQA review pursuant to CEQA § 15183. Even though there may not be a formal development application submitted, streamlined development of the site is part of the whole action. CEQA § 15165 requires that where an individual project is a necessary precedent for action on a larger project, or commits the Lead Agency to a larger C-7

3.2 Air Quality

The CalEEMod output sheets assumes vendor trip length of 6.90 miles and worker trip length of 14.70 miles for all phases of construction. The EIR does not provide information regarding where the construction materials are sourced from or if they are all coming from the same location during all phases. There is no information given regarding the availability of construction workers within 14.70 miles. The EIR must be revised to include an AQA which presents an accurate analysis of all potentially significant impacts in order to be an adequate informational document.

The CalEEMod analysis reduces the CO2 intensity factor by 24.3% to reflect the state's Renewable Portfolio Standards (RPS) in the operating year 2023. The reduction states "factor reduced by 24.3% based on change in eligible renewables from 22% in 2013 to 41% by 2023." California's RPS requires that a specified percentage of the electricity that utility companies sell comes from renewable resources. This does not equate to a reduction in CO2 intensity across all utilities in CalEEMod as applied in the output sheets. The EIR must be revised to remove this reduction. C-8

Further, the EIR does not provide any information regarding project grading nor the quantity of required import or export of soils. The CalEEMod output sheets model 0 hauling trips during construction, meaning there was no import or export of soil or other hauling activity modeled. There is no method for the public to verify this conclusion, such as a grading plan, C-9

included in the EIR. The EIR does not provide any supporting evidence, such as a grading plan, to demonstrate how disturbance of the 26 acre site will not necessitate any hauling trips. C-9 cont'd

Section 9.28.110 of the Irwindale Municipal Code permits construction activity between the hours of 7:00 A.M. and 7:00 P.M. Monday through Saturday. The EIR does not provide a "worst-case scenario" analysis of construction equipment emitting pollutants for the legal 12 hours per day, 6 days per week. It is legal for construction to occur for much longer hours (12 hours per day permitted while 8 hours per day analyzed) and an additional day (6 days per week permitted while 5 days per week analyzed) than modeled in the Air Quality Analysis. The EIR must be recirculated with revised Air Quality modeling to account for these legally possible longer construction days and increased number of construction days. This is especially necessary since the Noise Analysis methodology relies upon project construction occurring during these hours. If shorter hours of construction are proposed, this must be included as an enforceable mitigation measure with field verification by an enforcement entity of the lead agency (CEQA § 21081.6 (b)). C-10

The EIR does not include for analysis relevant environmental justice issues in reviewing potential impacts, including cumulative impacts from the proposed project. This is especially significant as the surrounding community is highly burdened by pollution. According to CalEnviroScreen 3.0, CalEPA's screening tool that ranks each census tract in the state for pollution and socioeconomic vulnerability, the proposed project's census tract (6037404600) ranks worse than 90 percent of the rest of the state overall. The project's census tract is in the 100th percentile for pollution burden, meaning it is among the most highly polluted ranks of all census tracts in the state of California. The surrounding community bears the impact of multiple sources of pollution and is more polluted than average on every pollution indicator measured by CalEnviroScreen. For example, the project census tract has a higher burden of ozone than 74 percent of the state and more PM 2.5 than 66 percent of the state. The project census tract ranks in the 100th percentile for solid waste impacts C-11

The project's census tract is a diverse community including 91 percent Hispanic residents, which are especially vulnerable to the impacts of pollution. The community has a high rate of low educational attainment, meaning the census tract ranks in the 73rd percentile for residents over age 25 has not attained a high school diploma, which is an indication that they may lack health insurance or access to medical care. Additionally, the surrounding community has a higher proportion of babies born with low birth weights than 82% of the state, which makes those children more vulnerable to asthma and other health issues.

The Health Risk Assessment does not include the Aermod or HARP output results for public review. The public is unable to verify that the residential and worker modeling has been conducted in accordance with OEHHA guidelines and SCAQMD's Rule 1401 risk assessment procedures C-12

(also known as SCAQMD's Permit Application Package N[2]).. This violates CEQA's requirements for meaningful disclosure (CEQA § 21003(b)). The EIR must be recirculated with the output results for public review. C-12 cont'd

3.4 Greenhouse Gases, Climate Change, and Energy

The EIR states that the project "is anticipated to generate approximately 31,768 VMT per day" as provided by CalEEMod. However, CalEEMod output sheets indicate that the project's annual VMT will be 11,986,773, which is equivalent to 32,840 miles per day. The GHG analysis must be revised to utilize an accurate daily VMT for calculation.

The Energy consumption analysis assumes that only 5% of the total average daily workers and 5% of the total average daily vendors during the building construction phase are present at the site each day. This is an erroneous assumption and only serves to skew emissions downwards. The EIR must be revised to analyze the Energy consumption of the total average daily workers and vendors at the site which has been improperly reduced by 95% to skew emissions downward. C-13

3.5 Hazards and Hazardous Materials

The EIR attempts to circumnavigate impact 3.5-2 (hazardous materials within 0.25 miles of a school) by providing misleading information regarding the distance from a school. The project site is approximately 1,083 feet away from Alice M. Ellington Elementary School, which is 0.20 miles. The EIR states that the proposed warehouse building on the project site would be over 0.25 mile from the nearest building at Alice M. Ellington Elementary School. The EIR also states that the nearest building on the school site is approximately 0.24 miles east of the project site. The EIR concludes there is no impact because the warehouse building is over 0.25 miles from the school. This is misleading as the sites are only 0.20 miles from each other. The threshold does not include any caveat or exemption for building distances. The EIR must be revised to include an accurate analysis of the potentially significant impact on Alice M. Ellington Elementary School. C-14

3.7 Noise

The EIR must be revised to include analysis of project compliance with the following General Plan policy that was excluded from review:

Safety Element Policy 4. The City of Irwindale will strive to reduce the community's exposure to noise from on-going manufacturing activities. C-15

The EIR utilizes noise level measurement data collected from a loading dock at a Wal-Mart store in Clearlake. The data is used to model the loading dock noise generated from the proposed

[2] SCAQMD Permit Application Package N http://www.aqmd.gov/docs/default-source/permitting/rule-1401-risk-assessment/attachmentn-v8-1.pdf?sfvrsn=4

project. However, the Wal-Mart data is not included for public review in the EIR. CEQA § 15150 (f) states that incorporation by reference is most appropriate for including long, descriptive, or technical materials that provide general background but do not contribute directly to the analysis of the problem at hand. The Wal-Mart analysis contributes directly to the analysis of the problem at hand. Not including the Wal-Mart analysis as an attachment for public review is in violation of CEQA § 15150 (f). The EIR must be revised and recirculated for public review including the Wal-Mart analysis.

C-15 cont'd

It must also be noted that the Wal-Mart noise measurements were taken at a distance of 100 feet from the loading docks. It is unclear if the EIR analyzed the noise generated by the proposed project beginning at a distance of 100 feet from the loading docks and applying distance reductions from that point on. The EIR must be revised to demonstrate where the distance reductions begin.

Additionally, the EIR has not adequately addressed construction noise. At minimum, the paving of the parking lot at the east side of the property will be within 50 feet of the nearest sensitive receptors. Table 3.7-10 shows that paving will generate an average hourly LEQ of 81 dBA at a distance of 50 feet. This is a significant impact as the sensitive receptors at a distance of 50 feet will experience noise levels more than 5 dBA over the ambient levels. Figure 3.7-4 is not useful as the salmon-colored area depicting the source of construction noise is covering the entire site. Further, the noise levels on the figure give a range of noise levels instead of a precise dBA, which is vital as incremental increases (ex: 1.5 dBA increase) can result in a significant impact. The EIR must be revised to adequately provide this information in a clear manner in order to comply with CEQA's requirements for meaningful disclosure (CEQA § 21003(b)).

C-16

3.8 Transportation and Circulation

Figure 12 within the Transportation appendix depicts 40% of truck traffic to head west on Arrow Hwy. towards the 605 freeway and 45% of truck traffic to head north on Vincent Ave. and then turn onto Irwindale Ave. towards the 210 freeway. This is nonsensical as Irwindale Ave. and Arrow Hwy. are designated truck routes. Since Vincent Ave. is not a truck route, it should not be modeled as handling the majority of truck traffic. The EIR must be revised to depict project related truck traffic utilizing the truck routes that the site has immediate access to.

C-17

The study area for the EIR is arbitrary and capricious in that it does not include for analysis all potentially significant impacts on the transportation facilities providing access to the site. The EIR must be revised and circulated for public review to include analysis of the following transportation facilities providing direct access to the project site:

C-18

Freeway Merge/Diverge
SR-605 at SR-210

SR-605 at I-10

Freeway On/Off Ramps
SR-605 at Arrow Hwy.

This is especially vital for analysis since Arrow Hwy. is a designated truck route in the City's General Plan. C-18 cont'd

The VMT analysis also misrepresents the project's VMT impacts. The project is located in TAZ ID 22307100, which is bound by Newburg St. to the north, Ayon Ave. and Irwindale Ave. to the west, a flood control channel to the south, and Vincent Ave. to the east. The TAZ is mostly comprised of residential land with a few small scale office buildings. The proposed project is unique in that the TAZ in which the Project site is located does not contain any other warehouse buildings of this scale.

The City's adopted VMT thresholds coincide with those of the OPR recommendation of "a per capita or per employee VMT that is fifteen percent below that of existing development." The OPR thresholds "are almost exclusively based on GHG and air pollution reduction goals[3]," according to Fehr and Peers whom created the SGVCOG VMT screening tool. The proposed project results in significant and unavoidable cumulatively considerable Air Quality emissions impacts, with mobile source emissions (traffic) as a major contributor. Table 4.2 Trip Summary of the Air Quality Appendix CalEEMod output sheets indicates that the project will generate approximately 11,986,773 annual VMT (11,986,773 / 365 days = 32,840 daily total VMT) which is exponentially higher than the project TAZ home-based VMT per worker of 22.51. It must be noted that the City's VMT guidelines require that VMT analysis be based on total VMT per service population while the EIR has analyzed based on home-based VMT per worker. C-19

Additionally, the VMT analysis only includes employees that report to work at the logistics buildings daily. The OPR's guidelines include total VMT, which includes all vehicle trips and trip purpose. The VMT analysis here excludes the truck trip and delivery VMT generated by the operational function of the warehouse. The EIR concludes that implementation of MM 3.8-1 will reduce the project's VMT to meet the threshold reduction. MM 3.8-1 follows:

Mitigation Measure 3.8-1: The Project employer shall be required to provide general commute benefits to employees, which may include financial subsidies or pre-tax deductions for transit, carpooling, and vanpooling activities. All employees shall be eligible for alternative transportation benefits. C-20

[3] SB 743 Implementation Pathway Document Package https://www.fehrandpeers.com/wp-content/uploads/2019/12/WRCOG-SB743-Document-Package.pdf

MM 3.8-1 does not include any verification by the lead agency to quantify the project employees utilizing alternative transportation and the resulting VMT reduction. Eligibility for alternative transportation does not ensure that any of the project employees will utilize them. The EIR relies on this mitigation measure to reduce the project's VMT impacts to less than significant levels without providing meaningful information or analysis regarding the feasibility of VMT reduction through MM 3.8-1. The EIR must be revised to include analysis and meaningful evidence that MM 3.8-1 will reduce project VMT to less than significant levels as an enforceable mitigation measure with field verification by an enforcement entity of the lead agency (CEQA § 21081.6 (b)). C-20 cont'd

The VMT analysis also concludes that the project is consistent with SCAG's 2020-2045 RTP/SCS because the data map book depicts the project site designated as an industrial land use. SCAG's data map book is clearly erroneous since it does not accurately reflect the project site's dual Residential and Industrial land use designations. The data map books are developed by SCAG as part of the bottom-up local in put process for the RTP and the City should have corrected this error during SCAG's review process. The project is not consistent with the land use designation across the full site and the EIR attempts to take advantage of SCAG's error in its favor. An error in SCAG's documentation does not equal consistency. C-21

4.0 Other CEQA Considerations - Effects Determined Not to be Significant

This section does not contain any information or statement regarding why the topics of Agriculture and Forestry Resources, Biological Resources, Cultural Resources, Land Use and Planning, Mineral Resources, Population and Housing, Public Services, Recreation, Tribal Cultural Resources, Utilities and Service Systems, or Wildfire were determined to not be significant. This does not comply with CEQA's requirement that an EIR shall contain a statement indicating the reasons that various possible significant effects of a project were determined not to be significant and were therefore not discussed in detail in the EIR (CEQA 15128). The EIR must be revised to include this information and recirculated for public comment in order to be an adequate informational document. C-22

Biological Resources

The EIR states that "a records search reveals that there are 36 special status plant species documented within the nine-quadrangle region search of the project site. The records search was generated from the CNDDB, USFWS IPAC report, and CNPS inventory (2018)." The EIR concludes that the project site is "devoid of sensitive habitat and does not contain any special status plants that are documented in the region." However, the EIR does not reference any biological survey conducted at the project site to support this conclusion. C-23

The EIR states that "a records search reveals that there are 44 special status animal species (federal/state listed) within the nine-quadrangle region search of the project site. Of the 44 species, 19 are bird species, 12 are amphibian or reptile species, 10 are mammal species, and three are fish species. The records search came from the CNDDB, and USFWS IPAC report (2018)." The EIR concludes that the project site is "highly disturbed" and "does not contain suitable habitat for special status animal species." The EIR notes that the site does not contain aquatic or grassland habitat, but does not reference any biological survey conducted at the project site to support this conclusion. C-23 cont'd

Without a site-specific Biological Study, it is unknown whether the project will have significant impacts on biological resources. The EIR does not provide an adequate biological analysis with documentation to support conclusions of less than significant impacts. A revised EIR with a project specific Biological Study must be prepared and circulated for public review.

Cultural Resources

The EIR concludes that "because the fill material has been placed on the site recently and the material is *well documented*, there is *effectively zero chance* of finding a cultural resource on the site." However, the EIR does not include any of this documentation as reference or support for this claim. The EIR must be revised to include this documentation in order to support the conclusion of a less than significant impact regarding Cultural Resources. C-24

Hydrology and Water Quality

The EIR states that a "Hydrology/Best Management Practices (BMPs)/LID Exhibit was prepared for the project" however, the exhibit is not included for public review. Further, the project SWPPP is stated to be submitted at a later date and is not included for public review. The EIR must be revised to include this documentation in order to support the conclusion of a less than significant impact regarding Hydrology and Water Quality. C-25

Land Use and Planning

The EIR does not include analysis regarding the inconsistency of the proposed project with the existing Residential General Plan land use designation on the western portion of the project site. The EIR does not include a project consistency analysis with any of the Irwindale General Plan Community Development Element Policies. The EIR relies on the Site Plan and Design Review process to address the "impacts of the proposed used and the compliance of the project with the established Zoning Code standard and the City of Irwindale Commercial and Industrial Design Guidelines." The EIR does not provide any discussion regarding consistency with the General Plan. C-26

A revised EIR must be prepared to provide a consistency analysis with all Irwindale General Plan policies, including the following Community Development Element Policies:

Community Development Element Policy 1. The City of Irwindale, through continued comprehensive land use planning, will strive to preserve the overall mix of land uses and development in the community.

Community Development Element Policy 3. The City of Irwindale will continue to ensure that the type, location, and intensity of all new development and intensified developments adhere to the requirements that are specified for their particular land use category in the General Plan. C-26 cont'd

Community Development Element Policy 4. The City of Irwindale will continue to examine future potential opportunities for residential development.

Community Development Element Policy 5. The City of Irwindale will continue to promote comprehensive development consistent with this General Plan as opposed to piecemeal and incremental planning.

Additionally, the EIR has not provided any consistency analysis with SCAG's 2020-2045 Connect SoCal RTP/SCS. The proposed project is notably inconsistent with Goal 5 to reduce greenhouse gas emissions and improve air quality, Goal 6 to support healthy and equitable communities, and Goal 7 to adapt to a changing climate because the project will result in significant and unavoidable cumulatively considerable Air Quality impacts in an inequitable manner within a disadvantaged community as noted above. The EIR must be revised to include analysis and a finding of significance due to these inconsistencies with the 2020-2045 RTP/SCS document. C-27

The EIR does not address the Housing Crisis Act (HCA) of 2019 and provisions in Senate Bill (SB) 330. The HCA of 2019 and SB 330 require replacement housing sites when land designated for housing development is changed to a non-housing use to ensure no net loss of housing capacity. Government Code Section 66300(b)(1)(A) requires that agencies shall not "change the general plan land use designation, specific plan land use designation, or zoning to a less intensive use below what was allowed under the land use designation and zoning ordinances in effect on January 1, 2018." Under Government Code Section 66300(b)(1)(A), a "less intensive use" includes, but is not limited to, reductions to height, density, or floor area ratio, new or increased open space or lot size requirements, or new or increased setback requirements, minimum frontage requirements, or maximum lot coverage limitations, or anything that would lessen the intensity of housing. Pursuant to SB 330, replacement capacity for any displaced residential units must be provided at the time of project approval. C-28

This is applicable because the proposed warehouse project would change the site's Residential General Plan land use classification to an Industrial classification. Due to this land use change, the site would not be used for the development of residential units and replacement sites must be proposed and analyzed as part of the project. The EIR does not act in conformance with these

laws and has not identified replacement sites for housing. Approval of the EIR and the proposed project will result in a net loss of housing. This significant environmental impact is further demonstrated as the City's 5th Cycle Housing Element identifies the residential portion of the project site as necessary to achieve the City's RHNA allocation. Changing this designation will result in a noncompliant Housing Element which can be decertified by HCD and the City will lose access to SB2 funding. The EIR must be revised to include replacement sites for housing which accommodate at minimum the same housing capacity and all related technical analysis. C-28 cont'd

Population and Housing

The EIR utilizes uncertain language such as "employees *may* come from Irwindale or surrounding communities" without supporting evidence or analysis to substantiate this claim. Supporting evidence is especially necessary as the EIR cites the 2016 Irwindale population estimate as 1,422 people. The EIR states that the project will "generate additional employment opportunities," but does not give any estimate of the employees generated by the project. SCAG's Employment Density Study[4] provides the following applicable employment generation rates for Los Angeles County:

Warehouse: 1 employee per 1,518 square feet

Applying this ratio results in the following calculation: C-29
Warehouse: 545,735 sf / 1,518 = 360 employees

Utilizing SCAG's Employment Density Study ratios, the proposed project will generate 360 employees, which is equivalent to 25% of the City's population. The EIR utilizes uncertain and misleading language which does not provide any meaningful analysis of the project's population and employment generation. The EIR does not provide any meaningful evidence to support the claim that there will be no significant impacts, such as the current number of City jobs or the anticipated increase in residents/jobs generated by approved projects or cumulative projects in the pipeline. Further, SCAG's 2020-2045 RTP/SCS projections for employment should also be utilized for analysis. The EIR must be revised to include meaningful evidence to support the conclusion that the project will not induce unplanned indirect or direct population growth. The revised EIR must include analysis regarding the number of new employees generated by the project and how Irwindale's workforce is qualified to support this project in order to conclude that the project will have a less than significant impact on Population and Housing.

5.0 Alternatives

[4] SCAG Employment Density Study
http://www.mwcog.org/file.aspx?A=QTTlTR24POOOUIw5mPNzK8F4d8djdJe4LF9Exj6lXOU%3D

The EIR is required to evaluate a reasonable range of alternatives to the proposed project which will avoid or substantially lessen any of the significant effects of the project (CEQA § 15126.6.) The alternatives chosen for analysis include the CEQA required "No Project" alternative and only two others (Multiple Building Alternative and Maximum FAR Alternative). The EIR does not evaluate a reasonable range of alternatives as only two alternatives beyond the required No Project alternative are analyzed. The EIR does not include an alternative that meets the project objectives and also eliminates all of the project's significant and unavoidable impacts. The EIR must be revised to include analysis of a reasonable range of alternatives and foster informed decision making (CEQA § 15126.6). This could include alternatives such as development of the site with a project that reduces all of the proposed project's significant and unavoidable impacts to less than significant levels. C-30

Conclusion

For the foregoing reasons, GSEJA believes the EIR is flawed and a revised EIR must be prepared for the proposed project and circulated for public review. Golden State Environmental Justice Alliance requests to be added to the public interest list regarding any subsequent environmental documents, public notices, public hearings, and notices of determination for this project. Send all communications to Golden State Environmental Justice Alliance P.O. Box 79222 Corona, CA 92877. C-31

Sincerely,

Board of Directors
Golden State Environmental Justice Alliance

Response to Letter C: Golden State Environmental Justice Alliance

Response C-1: The commenter requests to be added to the public interest list regarding this Project. This comment is noted. The commenter has been added to the City's public interest list for this Project. No further response is necessary.

Response C-2: The commenter correctly summarizes the proposed Project. This comment is noted. This comment serves as an introduction to the comment letter. No further response is necessary.

Response C-3: The commenter states background information regarding the remediation and grading of the Manning Pit Project. The commenter states that the EIR provides a description of the piecemealing activity regarding the status of the reclamation activity in 2005. The commenter further states the EIR has not provided any information regarding the CEQA analysis for the pit reclamation project. The commenter concludes by stating that the EIR must be revised to comply with CEQA § 15165 by preparing a Program EIR pursuant to CEQA § 15168.

As noted in the comment, CEQA analysis for the reclamation was completed; the Planning Commission approved Conditional Use Permit (CUP) No. 9-08 and Mitigated Negative Declaration (MND) 4-08 for the reclamation project at their November 6, 2008 meeting. The EIR does include a description of the historical background on pages 2.0-1 through 2.0-4 of Chapter 2.0, Project Description.

The City of Irwindale has worked to remediate and fill the Manning Pit for over 15 years. The reclamation of the mining pit was a separate effort and project from the proposed Project. When the MND for the reclamation project was completed in 2008, a proposal or project which would redevelop the mining pit did not exist, and there was no reasonably foreseeably project to consider without speculation. As noted in the 2008 MND, once the remediation and filling of the Manning Pit was complete, the City would consider development proposals for some mix of residential, commercial, and light industrial land uses; however, they did not speculate what exactly would be proposed. Additionally, as noted in the 2008 MND, "*although specific development plans have not been defined, the City envisions the ultimate development of the site would include an estimated 25 acres (approximately 2/3 of the site) for use as commercial and industrial land uses and about 12 acres (approximately 1/3 of the site) for single-family residential use. The commercial and industrial uses would be toward the eastern portion of the site, and the residential area would be along the western portion of the site. Once the site has been backfilled and graded, the site would remain vacant and/or inactive until developed. Development will not occur for at least 6 to 8 years in the future. Therefore, analysis of those future uses is highly speculative at this time, and will be undertaken by the City in a separate CEQA review when specific plans for future development are defined. Therefore, this analysis focuses only on the proposed backfilling and grading of the mine pit*."

The EIR complies with CEQA § 15165.

Response C-4: The commenter summarizes the proposed Project description and states that the proposed Project encompasses more characteristics of the three excluded warehouse types (fulfillment center, parcel hub, or cold storage facility) which generate higher emissions and VMT than the general warehouse/transload/short-term storage warehousing analyzed by the EIR.

The Project trip generation forecast is conservatively based on Institute of Transportation Engineers (ITE) trip rates for the light industrial land use, which has a substantially higher trip rate per square foot of building area compared to warehouse or high-cube warehouse land uses. Based on ITE data, the high-cube warehouse land use generates an average of 1.81 daily trips per thousand square feet, of which approximately 27 percent are estimated to be trucks. Therefore, a high-cube warehouse of equivalent size as the proposed Project would be estimated to generate 267 truck trips per day. The TIA provides an adequate and conservative assessment of truck trips forecast to be generated by the Project.

As discussed on page 2.0-6 of Chapter 2.0 of the Draft EIR, according to the ITE, a high-cube warehouse is a building that typically has at least 200,000 gross sf of floor area, has a ceiling height of 24 feet or more, and is used primarily for the storage and/or consolidation of manufactured goods (and to a lesser extent, raw materials) prior to their distribution to retail locations or other warehouses. Given that the proposed Project includes an industrial warehouse building totaling 545,735 square feet (sf), it is classified as a high-cube warehouse building.

A typical high-cube warehouse has a high level of on-site automation and logistics management. The automation and logistics enable highly-efficient processing of goods through the high-cube warehouse. High-cube warehouses are generally grouped into five types: transload facility, short-term storage facility, fulfillment center, parcel hub, and cold storage facility. However, the proposed Project, specifically excludes fulfillment center, parcel hub, and cold storage facility as a potential end user of the building. The applicant has indicated that these three uses (fulfillment center, parcel hub, and cold storage facility) are not proposed uses, and the applicant has agreed to conditions on the Project that would prohibit these uses at the Project site. Should these three uses be proposed at some future date, further environmental review shall be required.

End users could include light industrial or manufacturing uses. However, there is not a specific end user/business established for the proposed building at this time. There are a variety of possible businesses that could occupy and operate their business from the proposed building. The uses for the proposed building may include any of the following: Manufacturing Warehouse, Light Industrial, High-Cube Short-term, and High-Cube Transload. These uses are allowed under the Industrial/Business Park land use designation and M-2 “Heavy Manufacturing” zoning designation.

Response C-5: The commentor states that “…the EIR describes the Project as having a very high level of automation. SCAQMD’s analysis notes that only fulfillment center, parcel hub, and cold storage have high levels of automation in their material handling systems and conveying systems. Notably, a general/standard warehouse has little to no automation and both the Air Quality Analysis and the Transportation Analysis model the project as a general warehouse or general light industrial. The Air Quality mitigation measures also demonstrate that the end user of the site will be either a fulfillment center, parcel hub, or cold storage”.

However, as previously described under Response C-4 (above), a typical high-cube warehouse has a high level of on-site automation and logistics management. The automation and logistics enable highly-efficient processing of goods through the high-cube warehouse. High-cube warehouses are generally grouped into five types: transload facility, short-term storage facility, fulfillment center, parcel hub, and cold storage facility. However, the proposed Project, specifically excludes fulfillment center, parcel hub, and cold storage facility as a potential end user of the building. The applicant has indicated that these three uses (fulfillment center, parcel hub, and cold storage facility) are not proposed uses, and the applicant has agreed to conditions on the Project that

would prohibit these uses at the Project site. Should these three uses be proposed at some future date, further environmental review shall be required.

With regard to the Air Quality Analysis and Transportation Analysis modeling, the Project has been modeled conservatively to account for its potential uses appropriately. Modern technology allows for a high level of automation even for potential uses such as a transload facility or a short-term storage facility, which are allowed uses under the Draft EIR's Project Description (see Chapter 2:0 Project Description). Furthermore, it should be noted that neither the Air Quality Analysis nor the Transportation Analysis rely on the Project utilizing a high-level of automation. The Project Description simply describes a high-level of automation as being typical for high-cube warehouse uses; none of the analysis contained within the DEIR would require a high level of automation to be part of the proposed Project. No further response is required.

Response C-6: The commentor restates Mitigation Measure 3.2-1 from the Draft EIR and states that "The EIR clearly anticipates an expansion of the use to allow for electrical hookups at each dock door location for auxiliary equipment or trucks. This indicates that trucks accessing the site will have auxiliary power units (APU) and/or transport refrigeration units (TRUs), which indicates that there will be refrigerated/cold storage at the project site. Further, the EIR's note regarding the future expanded use is another example of piecemealing". The commentor continues by requesting that the EIR is revised to reflect.

This comment is noted. The Project does not anticipate trucks with APUs or TRUs would access the project site, since the Project would not be a cold storage facility. However, the commentor correctly identifies that one part of Mitigation Measure 3.2-1 (that refers to electrical hookups for onboard auxiliary equipment) that does not make sense for a Project that would have trucks with TRUs on-site. Since the Project would not generate trucks with TRUs (since it is not a cold storage facility), Section 3.2-1 (including Mitigation Measure 3.2-1) has been revised to remove reference to trucks with TRUs, including the provision within Mitigation Measure 3.2-1 that required "future electrical hookups to plug in any onboard auxiliary equipment…at each dock door location". This aspect of Mitigation Measure 3.2-1 was a standard measure from the SCAQMD. However, since it would be not appropriate to include for this Project, we have updated Mitigation Measure 3.2-1 and other minor references within Section 3.2: Air Quality to reflect. See the revisions within FEIR Chapter 3.0: Revisions for further detail.

Response C-7: The commenter states that, "The EIR does not accurately or adequately describe the Project, meaning "the whole of an action, which has a potential for resulting in either a direct physical change in the environment, or a reasonably foreseeable indirect physical change in the environment" (CEQA § 15378). The EIR describes the construction and operation of the warehouse Project as well as the upzoning of a residential replacement site. The EIR maintains throughout that there are no construction plans to develop the residential replacement site, yet still provides relevant technical analysis for each required section. Since the replacement site would be a future residential infill construction Project, it would be exempt from future CEQA review pursuant to CEQA § 15183. Even though there may not be a formal development application submitted, streamlined development of the site is part of the whole action. CEQA § 15165 requires that where an individual project is a necessary precedent for action on a larger Project, or commits the Lead Agency to a larger."

The City of Irwindale General Plan specifically addresses development of the Manning Pit, a portion of which is the Project site. The General Plan notes that the City owned the northern portion of

the pit, which contains two parcels: 8417-034-015 and 8417-034-016. The western parcel on the former Manning Pit (8417-034-912) is approximately 10 acres and is designated Residential, which is not part of the Project development. The eastern parcels comprise the Project site, and contains 19.12 acres of Industrial/Business Park and 6.93 acres of Residential. The entire 26.05 acres is zoned M-2 "Heavy Manufacturing." The inconsistency between the General Plan land use designation and the zoning designation is a mapping error of 6.93 acres of Residential land use that doesn't align with the parcel boundary or the zoning map made by the cartographer when creating the original Land Use and Zoning maps. The mapping error is being corrected through a General Plan Amendment. The mapping correction is consistent with the land use on the balance of the parcel and is consistent with the City's intent in 2008 when the site was approved for reclamation. In addition to the General Plan Amendment, a Site Plan and Design Review application and Lot Line Adjustment are under concurrent review. The development proposal includes development of the two (2) parcels as a single use industrial Project. The lot line adjustment would release the southern parcel to create a single parcel. The application involves the development of the entire parcel as a single use industrial Project. The parcel to the west of the subject property would remain designated Residential and is not proposed for development at this time.

Response C-8: The commentor states that the EIR does not provide information regarding the assumptions for construction vendor and worker trip length (i.e. 6.90 miles for construction vendor trip length and 14.70 miles for construction worker trip length). The commentor requests revision of the EIR to include information on where these values were determined. The commentor also requests revision to the EIR to remove the reduction in the CO_2 intensity factor taken credit for in the CalEEMod modeling. The commentor states that the reduction taken does not equate to a reduction in CO_2 intensity across all utilities in CalEEMod.

First, the construction worker and construction vendor trip distances identified by the commentor are the default values in CalEEMod. This is appropriate for use, unless the developer indicates that their construction process would require more or less then these values.

Furthermore, the CalEEMod User's Guide (Version 2016.3.2, dated November 2017) states that "CalEEMod utilizes widely accepted methodologies for estimating emissions combined with default data that can be used when site-specific information is not available." Furthermore, the CalEEMod User's Guide states that "The model provides a number of opportunities for the user to change the defaults in the model; however, users are required to provide justification for all changes made to the default settings (e.g., reference more appropriate data sources) in the Remarks box provided at the bottom of the screen before the user will be able to proceed to the next screen." Again, since no project-specific information that would justify changes to these values was provided by the developer, or any person or organization during the scoping or public review process, for the average length of construction, taking the additional step of modifying the default values is not appropriate.

With regard to the commentor's second concern, the reduction from the default SCE electricity CO_2 intensity factor taken within the CalEEMod modeling is a highly conservative estimate of the reduction that would be appropriate to take from the default SCE Electricity CO_2 intensity factor, since the default SCE Electricity CO_2 intensity factor is heavily outdated in comparison to the Project's anticipated first operational year of 2023. This is because the CO_2 intensity factor within the most recent version of CalEEMod Model (v. 2016.3.2) is from year 2012, which is eleven years prior to the anticipated first operational year of the Project of 2023, and the energy intensity of

SCE's energy generation is decreasing over time to fulfill the State's Renewable Portfolio Standard (RPS) mandates.

The SCE's "Power Content Label", which identifies eligible renewables as a proportion of overall electricity mix, was available for year 2013 (which is after the 2012 year included for SCE's energy intensity in the model, thereby providing a more conservative value for the purposes of the calculation). The SCE's 2013 Power Content Label identifies that 22% of the SCE's energy mix in 2013 was from eligible renewables. More recently, for comparison's sake, the SCE's 2019 "Power Content Label" identified an eligible renewables level of 35.1% (for year 2019). From 2012 (the source for current version of CalEEMod's energy intensity factor for SCE) to 2023 (the anticipated operational year for the Project, the energy intensity of SCE's electricity mix will be changed dramatically with regard to the renewables proportion of its overall energy mix, as required by the State's RPS. In particular, California's SB 100 requires California electricity utilities to achieve a 60% renewable target by 2030, which means that SCE would conservatively need to achieve a minimum of 41% eligible renewables mix by 2023 to stay on track.

Moreover, contrary to the commentor's claim, the percentage reduction was taken specifically for the electricity utility that would serve the Project (i.e. SCE), not for the state as a whole. Ultimately, an improvement from the SCE's 2012 CO_2 energy intensity factor by 24.3% (i.e. the percentage reduction when accounting for the difference in eligible renewable mix in 2013 versus anticipated for 2023) is a highly conservative estimate of the actual improvement that would occur to the SCE's electricity CO_2 intensity by 2023, as reflected in the CalEEMod modeling for the Project. Moreover, separately, the SCE's 2019 Sustainability Report identifies that the utility has already almost achieved this reduction, as of 2019. Specifically, the SCE's 2019 Sustainability Report identifies a CO_2e intensity factor of 534 lbs/MWh in 2019, which is approximately 23.9% lower than the CalEEMod default electricity CO2 intensity factor for SCE of 702. It should also be pointed out that the intensity factor from the SCE 2019 Sustainability Report also includes CH_4 and N_2O in its factor (since it reflects CO2-equivalent), thereby providing an overly conservative estimate for a CO_2 intensity factor. Ultimately, the 531.75 lbs/MWh electricity CO_2 intensity factor utilized in CalEEMod for the Project's first operational year (in 2023) is nearly equivalent to the CO_2e intensity factor from the SCE's 2019 Sustainability Report of 534 lbs/MWh, thereby providing further evidence that the 531.75 lbs/MWh electricity CO_2 intensity factor utilized in CalEEMod for the Project's first operational year (in 2023) is conservative, based on existing trends and state mandates. Therefore, no revision to the EIR in response to this comment is appropriate.

Response C-9: The commentor states that there is no information regarding project grading or the quantity of required import or export of soils. The commentor further states that the CalEEMod output sheets model zero hauling trips during construction, meaning that there was no import or export of soil or other hauling activity modeled. The commentor concludes by saying that the Draft EIR does not provide supporting evidence, such as a grading plan, that demonstrates that the Project would not necessitate any haul trips during construction.

As provided in Section 2.0 Project Description of the Draft EIR, prior to the Project, the Project site has been remediated to a rough grade condition, which includes being backfilled and rough graded to a geotechnical compaction and elevation appropriate for building. The site may require a fine grading, but it would not require any additional import or export of soil. As provided in Section 2.0 Project Description of the Draft EIR:

> "The Manning Pit Project was completed in January 2019. According to City records, the site was completely filled with clean soil and is clean to state and federal standards for housing development. As required in the License Agreement, the operator submitted a request to the City to commence the process to close the project. According to the grading permit issued to the Windrow Earth Transport, Inc., the onsite drainage improvements and Storm Water Prevention measures were implemented in compliance with the current building code."

Moreover, the Project Applicant (in email correspondence from Ken Lee on March 30, 2020) stated that the Project would require no soil import or export (beyond what occurred during the remediation and filling that occurred during the Manning Pit Project). Additionally, in a follow-up email on April 2, 2020, Ken Lee stated that:

> "During the remediation and filling of the Manning pit, all imported soil was placed and compacted under full time supervision by TetraTech who was working for the City to ensure grading specification compliance. At the end of the remediation the fill was placed to within 6 inches (plus or minus) of the proposed sub grade for the single building option and parking areas.

After the project is approved, there will be precise grading that will cut and fill the existing grades to get a precise subgrade. We are certain that this precise grading will have a balance of cut and fill so that no further import or export of soil will be necessary."

Based on this, we have updated Section 3.2: Air Quality of the Draft EIR to describe that no soil import or export would occur during Project construction. No further revisions to the Draft EIR in response to this comment are required.

Response C-10: The commentor states that "Section 9.28.110 of the Irwindale Municipal Code permits construction activity the hours of 7:00 A.M. and 7:00 P.M. Monday through Saturday. The EIR does not provide a "worst-case scenario" analysis of construction equipment emitting pollutants for the legal 12 hours per day, 6 days per week. It is legal for construction to occur for much longer hours (12 hours per day permitted while 8 hours per day are analyzed) and an additional day (6 days per week permitted while 5 days per week analyzed) than modeled in the Air Quality Analysis. The EIR must be recirculated with revised Air Quality modeling to account for these legally possible longer construction days and increased number of construction days. This is especially necessary since the Noise Analysis methodology relies upon project construction occurring during these hours. If shorter hours of construction are proposed, this must be included as an enforceable mitigation measure with field verification by an enforcement entity of the lead agency (CEQA Section 21081.6 (b))."

This comment is noted. First, noise section simply notes the allowable hours of construction and shows how loud the peak hour of construction is predicted to be at that time. Construction noise is not analyzed as a weighted average.

With regard to the Air Quality analysis, the commentor is correct in that the modeling assumed construction activities over a period of approximately 8 hours per day. However, as noted by the commentor, Section 9.28.110 of the Irwindale Municipal Code permits construction activity the hours of 7:00 A.M. and 7:00 P.M. Monday through Saturday. Therefore, consistent with Section 9.28.110 of the Irwindale Municipal Code, we have updated the CalEEMod modeling to reflect that construction activity may occur up to 12 hours per day, six days per week (i.e. in a worst case

scenario). Relatedly, we have also updated the relevant analysis, and Project emissions results, and text in Section 3.2: Air Quality and Section 3.4: Greenhouse Gases, Climate Change, and Energy, to reflect the updated CalEEMod modeling results. These updates do not modify any of the original impact conclusions contained in the Draft EIR. See FEIR Section 3.0 Revisions for further detail. No further comment is required.

Response C-11: The commentor states that the EIR does not include analysis of relevant environmental justice issues in reviewing potential impacts, including cumulative impacts from the proposed project. The commentor further states that, "This is especially significant as the surrounding community is highly burdened by pollution. According to CalEnviroScreen 3.0, CalEPA's screening tool that ranks each census tract in the state for pollution and socioeconomic vulnerability, the proposed project's census tract (6037404600) ranks worse than 90 percent of the rest of the state overall. The project's census tract is in the 100th percentile for pollution burden, meaning it is among the highly polluted ranks of all census tracts in the state of California. The surrounding community bears the impact of multiple sources of pollution and is more polluted than average on every pollution indicator measured by CalEnviroScreen. For example, the project census tract has a higher burden of ozone than 74 percent of the state and more PM2.5 than 66 percent of the state. The project census tract ranks in the 100th percentile for solid waste impacts." The commentor cites additional statistics relating to the socioeconomic impoverishment of the surrounding community, including statistics that show that the community has a higher proportion of babies born with low birth weights than 82% of the state, which makes those children more vulnerable to asthma and other health issues.

This comment is noted. The Draft EIR has evaluated each of the Project's environmental impacts against the relevant thresholds (such as via an air toxic health risk assessment to determine the total cancer and non-cancer air toxic health risks and the nearby sensitive receptors) and checked consistency with the applicable plans (such as the General Plan, as applicable). Moreover, the Draft EIR has incorporated mitigation measures where applicable and feasible, made appropriate significance determinations, and evaluated cumulative impacts and Project alternatives. However, CEQA does not use the terms "fair treatment" or "environmental justice". Rather, CEQA centers on whether a project may have a significant effect on the physical environment, regardless of socioeconomic conditions, including income levels of the residents.

Nevertheless, CEQA does require a lead agency to consider whether a project's effects, while they might appear limited on their own, are "cumulatively considerable" and therefore significant. As provided in Chapter 4.0: Other CEQA of the Draft EIR, cumulative impacts are considered and analyzed in full. For example, as provided in Chapter 4.0: Other CEQA of the Draft EIR, the proposed Project was identified as having a cumulatively considerable and significant and unavoidable cumulative air quality impact.

Separately, it was determined that there are no feasible alternatives to the proposed Project (as identified in Section 5:0: Alternatives of the Draft EIR) that would meet all Project objectives, even after considering alternative project designs (note: alternative locations within the City of Irwindale are not available). Furthermore, there are no additional feasible mitigation that could be applied to those impacts, beyond those presented in the Mitigation Monitoring and Reporting Program that were determined to be "significant and unavoidable". In addition, as part of the enforcement process, "[i]n order to ensure that the mitigation measures and project revisions identified in the EIR…are implemented," the local agency must also adopt a program for mitigation

monitoring or reporting. (CEQA Guidelines, § 15097, subd. (a).) A Mitigation Monitoring and Reporting Program has been prepared for the Project, as is included in Chapter 4 of this Final EIR.

However, under CEQA, a local government is charged with the important task of "determining whether and how a project should be approved," and must exercise its own best judgment to "balance a variety of public objectives, including economic, environmental, and social factors and in particular the goal of providing a decent home and satisfying living environment for every Californian." (CEQA Guidelines, § 15021, subd. (d).) A local agency has discretion to approve a project even where, after application of all feasible mitigation, the project will have unavoidable adverse environmental impacts. (Id. at § 15093.) When the agency does so, however, it must be clear and transparent about the decision.

To satisfy CEQA's public information and informed decision making purposes, in making a Statement of Overriding Considerations, the agency should clearly state not only the "specific economic, legal, social, technological, or other benefits, including region-wide or statewide environmental benefits" that, in its view, warrant approval of the project, but also the project's "unavoidable adverse environmental effects[.]" (Id. at subd. (a).) If, for example, the benefits of the project will be enjoyed widely, but the environmental burdens of a project will be felt particularly by the neighboring communities, this should be set out plainly in the Statement of Overriding Considerations. Therefore, the Statement of Overriding Considerations prepared for the proposed Project will incorporate language that plainly identifies that some of the environmental burdens of the project will be felt particularly by the neighboring communities.

Overall, CEQA's purpose is neither "fair treatment" nor "environmental justice" in the sense of socioeconomic conditions. Rather, CEQA centers on whether a project may have a significant effect on the physical environment. The Draft EIR has been developed consistent with the requirements of CEQA. Nevertheless, the Draft EIR does include analysis of issues that are related to environmental justice, where applicable (such as through the development of an air toxic Health Risk Assessment to determine the total cancer and non-cancer air toxic health risks and the nearby sensitive receptors, and under cumulative impacts).

Response C-12: The commentor states that the HRA did not include the AERMOD or HARP output results for public review.

This comment is noted. The HRA was developed in accordance with OEHHA guidelines and the SCAQMD's Rule 1401 risk assessment procedures, including early and close direct coordination with the SCAQMD. The SCAQMD directly reviewed the HRA and the associated modeling files multiple times. This does not violate CEQA's requirements for meaningful disclosure. It is noted that the California Air Resources Board commented on the HRA and requested that the model be revised with a newer version of EMFAC, which has been done as part of this Final EIR. The updated HRA, including the modeling outputs in provided in Chapter 4 Revisions. The update to the HRA did not change the impact conclusion.

Response C-13: The commentor states that the CalEEMod output sheets (which provide the CalEEMod model results) indicate that the project's annual VMT would be equivalent to 32,840 miles per day, which is slightly greater than the VMT provided elsewhere within the EIR (at approximately 31,768 VMT per day). The commentor then states that the GHG analysis must be revised to utilize an accurate daily VMT for calculation.

The commentor also states, "The Energy consumption analysis assumes only 5% of the total average daily workers and 5% of the total daily vendors during the building construction phase are present at the site each day. This is an erroneous assumption and only serves to skew emissions downwards. The EIR must be revised to analyze the Energy consumption of the total average daily workers and vendors at the site which has been improperly reduced by 95% to skew emissions downward".

The VMT as modeled within CalEEMod includes a more conservative, and slight overestimate of VMT (by approximately 0.2%) as compared to the more refined estimate in the traffic analysis. This means that the air emissions modeling results from CalEEMod provided in the Draft EIR also result in a slightly higher total emissions than what would actually occur from Project operations. This conservative modeling methodology does not change the impact conclusion.

Secondly, the Project construction phase will be built by approximately 32 vendor contractors in separate phases of the building construction process. That is, only a small proportion of the vendors will be at the site at any given time. Each vendor group represents approximately 3% of the total vendor contractors. Therefore, the use of a 5% factor for construction vendors on the Project site at any given time during construction of the building phase is an appropriate estimate for energy consumption.

Response C-14: The commenter states that, "The EIR attempts to circumnavigate impact 3.5-2 (hazardous materials within 0.25 miles of a school) by providing misleading information regarding the distance from a school. The Project site is approximately 1,083 feet away from Alice M. Ellington Elementary School, which is 0.20 miles. The EIR states that the proposed warehouse building on the Project site would be over 0.25 mile from the nearest building at Alice M. Ellington Elementary School. The EIR also states that the nearest building on the school site is approximately 0.24 miles east of the Project site. The EIR concludes there is no impact because the warehouse building is over 0.25 miles from the school. This is misleading as the sites are only 0.20 miles from each other. The threshold does not include any caveat or exemption for building distances. The EIR must be revised to include an accurate analysis of the potentially significant impact on Alice M. Ellington Elementary School."

Impacts associated with hazardous materials within 0.25 miles of a school are fully disclosed on pages 3.5-17 and 3.5-18 of Section 3.5, Hazards and Hazardous Materials, of the Draft EIR. As discussed, depending on the ultimate end user, there is a risk of release of hazardous materials into the environment if they are not stored and handled in accordance with best management practices. The Los Angeles County Fire Department Health Hazardous Materials Division is the CUPA for Los Angeles County and is responsible for the implementation of statewide programs within the City including Hazardous Materials Business Plan (HMBP) requirements, among numerous other programs. Implementation of this program involves permitting, inspecting, providing education/guidance, investigations, and enforcement. Consistency with local, state, and federal regulations related to the transport, storage, use, and disposal of hazardous materials ensures that the potential risk of upset and accident conditions from a release is minimized to the extent practical. The proposed Project business owner would be required to submit a HMBP, as required by Mitigation Measures 3.5-1. It is noted that because the end user it not known at this time, it can not be known if the end user would handle, store or hazardous materials onsite.

By implementing Mitigation Measure 3.5-1, the Project business owner would establish management practices for handling, storing, and disposal of hazardous materials, including fuels,

paints, cleaners, solvents, pesticides, fertilizers, etc., during operations to reduce the potential for spills and to direct the safe handling of these materials if encountered.

The EIR states is correct in stated that the proposed warehouse building on the Project site would be over 0.25 mile from the nearest building at Alice M. Ellington Elementary School. The EIR also states that the nearest building on the school site is approximately 0.24 miles east of the Project site, and it is 0.25 miles away from the proposed warehouse

Response C-15: The commenter states that the EIR must be revised to include analysis of Project compliance with General Plan Safety Element Policy 4. The commenter also states that the Clearlake Wal-Mart data is not included for public review in the EIR, and cites CEQA Guidelines Section 15150(f). The commenter also states that "the Wal-Mart noise measurements were taken at a distance of 100 feet from the loading docks. It is unclear if the EIR analyzed the noise generated by the proposed Project beginning at a distance of 100 feet from the loading docks and applying distance reductions from that point on. The EIR must be revised to demonstrate where the distance reductions begin."

With respect to Safety Element Policy 4, based on site observations completed by Saxelby Acoustics, the receptors in the vicinity of the Project site are not currently exposed to substantial noise from on-going manufacturing activities. Additionally, the Project is predicted to generate noise that is less than significant with respect to proposed operations. Therefore, it is not clear how the proposed Project would conflict with this policy, especially considering that the policy has no specific actionable or quantifiable methods for achieving this goal.

The data referenced for the Clearlake Wal-Mart study was personally collected by Mr. Luke Saxelby, Principal of Saxelby Acoustics, the technical noise sub-consultant for this Project. Therefore, the data referenced is part of Mr. Saxelby's reference file data. It is common industry practice to collect noise emission data for a similar activity or operation to be used in a technical noise analysis. The full Walmart DEIR with noise references is available for review online at: https://www.clearlake.ca.us/DocumentCenter/View/668/1_Clearlake-Walmart-Center-Expansion-Draft-EIR-Volume-I-Chapters-1-410pdf

The reference noise level of 61 dBA L_{eq} at 100 feet was used as the basis for calculating the sound power level inputs to the SoundPLAN noise model. The SoundPLAN model is a widely used noise model which was used to predict Project-related noise levels at the noise-sensitive receptors around the Project site. Sound power levels are not dependent on distance and noise levels were mapped across the Project site using standard industry methods as outlined in International Standards Organization (ISO) method 9613-2:1996, as referenced in the noise section.

Response C-16: The commenter states that the EIR has not adequately addressed construction noise. At minimum, the paving of the parking lot at the east side of the property will be within 50 feet of the nearest sensitive receptors. Table 3.7-10 shows that paving will generate an average hourly LEQ of 81 dBA at a distance of 50 feet. This is a significant impact as the sensitive receptors at a distance of 50 feet will experience noise levels more than 5 dBA over the ambient levels. Figure 3.7-4 is not useful as the salmon-colored area depicting the source of construction noise is covering the entire site. Further, the noise levels on the figure give a range of noise levels instead of a precise dBA, which is vital as incremental increases (ex: 1.5 dBA increase) can result in a significant impact. The EIR must be revised to adequately provide this information in a clear manner in order to comply with CEQA's requirements for meaningful disclosure (CEQA § 21003(b)).

The construction noise levels shown in Table 3.7-10 were used as the basis for calculating the corresponding sound power levels for the input into the SoundPLAN noise model. The L_{eq} noise levels shown for 50 feet would be based on stationary, construction equipment. In a realistic construction scenario, equipment would move across the Project site and would be located at an average distance of closer to 150 feet, or further, from any given residential receptor during paving of the east parking area. At 150 feet, average construction noise from paving would be approximately 72 dBA. This would be no more than 1.3 dBA higher than existing daytime noise levels at the receptors east of the site which are noted to be in the range of 70.7 to 72.5 dBA L_{eq}, as shown in Table 3.7-2. This would not constitute a significant impact.

Additionally, as shown by Figure 3.7-6, the Project is predicted to comply with the City's municipal code standards for typical construction activities. Further, Mitigation Measure 3.7-1 will help further reduce construction noise from the Project.

Response C-17: The commenter states that 40 percent of truck traffic will head west on Arrow Highway towards I-605 and 45 percent of truck traffic will head north on Vincent Avenue then turn onto Irwindale Avenue towards I-210. The commenter also states that Irwindale Avenue and Arrow Highway are designated truck routes, and Vincent Avenue is not a truck route. The commenter concludes by stating that the EIR should be revised to depict Project related truck traffic utilizing the truck routes the site has immediate access to.

It is noted that Vincent Avenue and Irwindale Avenue do not intersect. A preliminary analysis of truck route usage and queuing was completed for the Project. Figure 3.8-4, which has been added to Chapter 3 Revisions, shows that the majority of the truck trips would occur on local or county truck routes; however, there are portions of Vincent Avenue, Vernon Avenue, and Gladstone Street that are not shown as designated truck routes. Although not shown, Vincent Avenue between Arrow Highway and Foothill Boulevard and between Arrow Highway and the south City limits is a City-designated truck traffic route for the movement of vehicles exceeding a maximum gross weight of three tons.[i] With respect to queueing, the intersection of Vincent Avenue/Arrow Highway, where Project truck trips would be most concentrated, is forecast to operate at level of service (LOS) C during the AM peak hour and LOS D during the PM peak hour. LOS D generally correlates to fair operation with no long-standing traffic queues. This level is typically associated with design practice for peak periods. All other study intersections are also mitigated to LOS D or better, with the exception of I-605 NB Ramps at Live Oak Avenue (#2) and Rivergrade Road at Live Oak Avenue (#4), where there is no adjacent residential.

It is noted that Project applicant anticipates that truck drivers associated with the Project would be provided appropriate signage onsite to ensure wayfinding as trucks exist the Project site. The City's improvement plan review would include a review of signage to comply with City standards. Nevertheless, it is possible that a driver inappropriately travels south on Vincent Avenue which is not a designated truck route. As such, Mitigation Measure 3.8-2 has been added to ensure that there is a clear Traffic Plan prepared by the operator of the business to illustrates the routes to be used for truck traffic generated by their business. The Traffic Plan shall include way finding signage to ensure that truck drivers can adequately find the appropriate truck routes that should be used. The Traffic Plan will identify the location of each sign (on and off site), as well as the example sign to be installed. The Traffic Plan will identify how the plan will be enforced, methods for residents to file a complaint for non-compliance. The Traffic Plan will also include a provision for the City to charge a penalty for non-compliance with the plan. The Traffic Plan will clearly indicate that all truck traffic is required to make a left turn out of the Project site onto Vincent Avenue and head

north toward Arrow Highway where there are appropriate truck routes. Operators of the warehouse will be responsible for informing truck drivers of the Traffic Plan.

Response C-18: The commenter states that the study area for the EIR is arbitrary and capricious in that it does not include for analysis of all potentially significant impacts on the transportation facilities providing access to the site.

The study area was determined in consultation with City of Irwindale engineering staff and comments from the California Department of Transportation (Caltrans) and includes all intersections of collector-to-collector roadway or higher classification at which the Project is forecast to add 50 or more trips during the AM or PM peak hours. This is consistent with the Irwindale Policy Guidelines on Traffic Impact Studies, Los Angeles County Congestion Management Program (CMP) guidance and industry practice in the region. As shown on Figure 12 of the TIA, Project trips traveling to/from the west on I-210 are forecast to access the freeway directly from the Irwindale Avenue interchange; Project trips using the I-605 and I-210 merge/diverge ramps or the I-650 on/off ramps at Arrow Highway are expected to be negligible. Additionally, Caltrans' review of an earlier Mitigated Negative Declaration prepared for the Project and response letters from Caltrans did not indicate the need for analysis of the noted facilities. Therefore, selection of the study area was not arbitrary, rather collaborative, and consistent with industry practice for the region. Analysis of the additional facilities noted is not warranted.

Response C-19: The commenter states that the Traffic Impact Zone (TAZ) for the Project is mostly residential with a few small-scale office buildings, and does not contain any other warehouse buildings of the same scale. The commenter also summarizes the City's VMT thresholds and Office of Planning and Research (OPR) recommendations for VMT thresholds. The commenter further states that the significant and unavoidable Air Quality impact shows that mobile source emissions are a major contributor. The commenter concludes that "Table 4.2 Trip Summary of the Air Quality Appendix CalEEMod output sheets indicates that the Project will generate approximately 11,986,773 annual VMT (11,986,773 / 365 days = 32,840 daily total VMT) which is exponentially higher than the Project TAZ home-based VMT per worker of 22.51. It must be noted that the City's VMT guidelines require that VMT analysis be based on total VMT per service population while the EIR has analyzed based on home-based VMT per worker."

In accordance with State guidance and the City-established thresholds of significance, the Project's VMT impact has been evaluated on the efficiency-based metric of home-based work VMT per worker (i.e., home-to-work or work-to-home trips); therefore, the fact that the Project TAZ does not contain any other warehouse building of this scale is irrelevant. The Project TAZ does include an appreciable amount of light industrial and industrial park land uses immediately north of the site and north of Arrow Highway, as shown below. Therefore, in accordance with State guidance outlined in the OPR *Technical Advisory on Evaluating Transportation Impacts in CEQA* (December 2018) ["the OPR Technical Advisory"], the Project can be expected to generate similar home-based work VMT on a per worker basis as other uses in the TAZ that generate employee trips.

The VMT calculations from the air quality emissions analysis as referenced in the comment are comparing two different metrics. The air quality emission analysis uses total annual VMT from all vehicles to assess vehicle emissions, whereas, in accordance with the State guidance incorporated into the City-established thresholds, the transportation VMT impact is based on average daily VMT per worker.

The City's VMT thresholds are contained in Resolution No. 2020-53-3163, Exhibit A, which require Project VMT analysis based on the *applicable* service population (defined as employee and/or resident population). Since the proposed Project does not include a residential component, the applicable service population is employee. Therefore, the analysis correctly assesses the Project impact in terms of VMT per worker.

Response C-20: The commenter states that the VMT analysis only includes employees that report to work daily and excludes truck trip and delivery VMT, while OPR's guidelines include total VMT. The commenter further states that Mitigation Measure 3.8-1 does not include any verification by the lead agency to quantify the Project employees utilizing alternative transportation and the resulting

VMT reduction, and that the EIR relies on this measure to reduce the Project's VMT impact to a less than significant level.

Assessment of the Project's VMT impacts on the basis of employee-related VMT was performed in accordance with City-established thresholds and is supported by CEQA regulations. California Code of Regulations § 15064.3(a) states the following: *"For the purposes of this section, "vehicle miles traveled" refers to the amount and distance of automobile [emphasis added] travel attributable to a project."* Additionally, the OPR Technical Advisory provides further guidance. In specific reference to § 15064.3(a), the OPR Technical Advisory states: "Here, the term "automobile" refers to on-road passenger vehicles, specifically cars and light trucks." Heavy truck VMT is generally understood to be more so influenced by market and economic conditions than land use decisions. Therefore, current CEQA guidance for assessing transportation impacts for land development projects is based on automobile VMT.

Mitigation Measure 3.8-1 is based on the California Air Pollution Control Officers Association (CAPCOA) *Quantifying Greenhouse Gas Mitigation Measures* (August 2010), TRT – 1 implementation of a voluntary commute trip reduction program, as incorporated into the San Gabriel Valley Council of Governments (SGVCOG) VMT Evaluation Tool. The measure involves a multi-strategy program that encompasses a combination of individual measures. The "meaningful information or analysis" that supports this measure and its level of effectiveness is well documented in CAPCOA's *Quantifying Greenhouse Gas Mitigation Measures.* As noted in the CAPCOA report, this measure is presented as a means of preventing double-counting of reductions for individual measures by setting a maximum level of reduction that should be permitted for a combined set of strategies within a voluntary program.

Response C-21: The commenter states that the SCAG 2020-2045 RTP/SCS data map book is erroneous since it does not accurately reflect the Project site's dual Residential and Industrial land use designations, and the City should have corrected this. The commenter concludes that "The Project is not consistent with the land use designation across the full site and the EIR attempts to take advantage of SCAG's error in its favor. An error in SCAG's documentation does not equal consistency."

SCAG's data map book has been adopted by SCAG and is the basis for preparing their adopted Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS). SCAG correctly assumed that the Project site will be built with Industrial uses, which has been the land use assumption for the Project site since it was approved for reclamation back in 2008. The pertinent matter is that the land use proposed for development is consistent with SCAG's RTP/SCS assumptions and therefore consistent with SCAG's projections, strategies, and goals for the region. As such, the proposed Project would not conflict with long-range regional goals for VMT and greenhouse gas reduction targets.

Response C-22: The commenter states that Chapter 4.0 of the Draft EIR does not contain any information or statement regarding why the topics of Agriculture and Forestry Resources, Biological Resources, Cultural Resources, Land Use and Planning, Mineral Resources, Population and Housing, Public Services, Recreation, Tribal Cultural Resources, Utilities and Service Systems, or Wildfire were determined to not be significant. The commenter concludes by stating that, "This does not comply with CEQA's requirement that an EIR shall contain a statement indicating the reasons that various possible significant effects of a project were determined not to be significant and were therefore not discussed in detail in the EIR (CEQA 15128)."

Impacts associated with Agriculture and Forestry Resources, Biological Resources, Cultural Resources, Land Use and Planning, Mineral Resources, Population and Housing, Public Services, Recreation, Tribal Cultural Resources, Utilities and Service Systems, or Wildfire are analyzed in the Initial Study for the Project. The Initial Study is included as Appendix A of the Draft EIR. As discussed in the Initial Study, the Project would have no impact or less-than-significant impacts related to Agriculture and Forestry Resources, Biological Resources, Cultural Resources, Land Use and Planning, Mineral Resources, Population and Housing, Public Services, Recreation, Tribal Cultural Resources, Utilities and Service Systems, or Wildfire. As discussed on page 1.0-2 of Chapter 1.0, Introduction, of the Draft EIR, the City of Irwindale circulated an Initial Study and Notice of Preparation of an EIR for the proposed Project on February 10, 2020 to the State Clearinghouse, State Responsible Agencies, State Trustee Agencies, Other Public Agencies, Organizations and Interested Persons.

Response C-23: The commenter cites portions of the EIR related to biological resources. The commenter concludes that, "Without a site-specific Biological Study, it is unknown whether the Project will have significant impacts on biological resources. The EIR does not provide an adequate biological analysis with documentation to support conclusions of less than significant impacts. A revised EIR with a Project specific Biological Study must be prepared and circulated for public review.

Impacts associated with Biological Resources are analyzed in the Initial Study for the Project. The Initial Study is included as Appendix A of the Draft EIR. The Biological Resources section of the Initial Study was completed by De Novo Planning Group's a qualified biologist, Steve McMurtry. The site conditions are well documented by the City, Steve McMurtry, and the aerial photo history on Google Earth, which show that the Project site was a mining pit that lacked biological resources, and has more recently (2019) been backfilled and is barren. There is no habitat on the barren Project site that recently underwent these remediation activities. The lack of habitat precludes special status species from occurring on the Project site.

Response C-24: The commenter states that the EIR does not include documentation or support for the claim that, "because the fill material has been placed on the site recently and the material is *well documented*, there is *effectively zero chance* of finding a cultural resource on the site."

Chapter 2.0, Project Description, of the Draft EIR includes a historical background regarding the fill material and former uses. See pages 2.0-1 through 2.0-4. In October 2005, the City contracted with GeoLogic Associates to perform a field exploration program to characterize the historical backfill on the Project site. The exploration consisted of drilling five borings through the backfill material to native soil at various locations along the bottom of the pit. The purpose of the borings was to determine:

- The nature and types of backfill present in the pit;
- The volume of backfill present in the pit; and
- The current groundwater level below the pit.

The results of the exploration program confirmed that two distinct layers of backfill material existed. The upper layer consisted of very coarse construction rubble and varied in depth from approximately 27 to 39 feet below the current bottom of the pit surface. The borings indicated that the upper layer was highly voided with little soil mixed in the construction rubble. The lower layer consisted of aggregate mining waste (e.g., fine to very fine-grained sand, very fine sandy silt, and silt) from the processing plant operation and varied from about 7 to 43 feet in depth. These

2005 boring results were consistent with the findings of an earlier investigation performed by Greystone Environmental Consultants in 2000.

Compaction and other regulations dealing with the backfill materials are covered in the City of Irwindale's Building Code and Backfilling Guidelines, which identify material specifications, testing requirements, and other conditions for backfilling and grading. General material specifications include:

- Proper moisture levels;
- Fill materials placed deeper than 40 feet are required to be compacted to at least 93 percent; and
- Fill materials placed within 40 feet are required to be compacted to at least 90 percent.

It was estimated that approximately five million cubic yards of additional backfill material would be needed to fill the pit to near street level. All of these incoming materials would need to be screened to make sure they were not contaminated and met backfill requirements. It was estimated that backfilling and grading of the pit would take approximately six to seven years to complete assuming an annual rate of approximately 840,000 cubic yards of backfill materials. Backfill was estimated to require approximately 200 daily truck trips to the site.

According to City records, the site was completely filled with clean soil and is clean to state and federal standards for housing development. The soil that was used for backfill did not include cultural resources. As such, there is effectively zero chance of finding a cultural resource on the site because the backfill to significant depths is known material.

Response C-25: The commenter states that the Hydrology/Best Management Practices (BMPs)/LID Exhibit is not included for public review. The commenter further states that the Stormwater Pollution Prevention Plan (SWPPP) is not included for public review.

An exhibit illustrating the Hydrology/BMPs/LID has been added to the Draft EIR in Chapter 2.0, Project Description to amplify the discussion. See Chapter 3.0 of this Final EIR.

As stated on page 3.6-19 of the Hydrology and Water Quality chapter of the Draft EIR, to ensure Project construction activities are covered under General Permit 2009-0009-DWQ (amended by 2010-0014-DWQ & 2012-0006-DWQ), the Project *would* [emphasis added] be required to prepare a SWPPP containing BMPs to reduce erosion and sediments to meet water quality standards. Such BMPs may include: temporary erosion control measures such as silt fences, staked straw bales/wattles, silt/sediment basins and traps, check dams, geofabric, sandbag dikes, and temporary revegetation or other ground cover. The BMPs and overall SWPPP is reviewed by the Regional Water Quality Control Board as part of the permitting process, but it not performed during the entitlement process. The SWPPP, once approved, is kept on site and implemented during construction activities and must be made available upon request to representatives of the RWQCB and/or the lead agency. Upon completion of the Project, the applicant would be required to submit a Notice of Termination to the State Regional Water Quality Control Board to indicate that construction is completed. Mandatory compliance with the SWPPP would ensure that the proposed Project would not violate any water quality standards or waste discharge requirements during construction activities.

Response C-26: The commenter states that the EIR does not include analysis regarding the inconsistency of the proposed Project with the existing Residential General Plan land use designation on the western

portion of the Project site, and does not include a Project consistency analysis with any of the Irwindale General Plan Community Development Element Policies. The commenter further states that, "The EIR relies on the Site Plan and Design Review process to address the 'impacts of the proposed used and the compliance of the Project with the established Zoning Code standard and the City of Irwindale Commercial and Industrial Design Guidelines.' The EIR does not provide any discussion regarding consistency with the General Plan." The commenter then provides Community Development Element Policies 1, 3, 4, and 5.

This comment is noted. The proposed Project would not require a rezone, as the entire Project site is zoned for an Industrial use. As discussed in Chapter 2.0, Project Description, of the Draft EIR, the western parcel on the former Manning Pit (8417-034-912) is approximately 10 acres and is designated Residential, which is not part of the Project development. The eastern parcels comprise the Project site, and contains 19.12 acres of Industrial/Business Park and 6.93 acres of Residential. The entire 26.05 acres is zoned M-2 "Heavy Manufacturing." The inconsistency between the General Plan land use designation and the zoning designation is a mapping error of 6.93 acres of Residential land use that doesn't align with the parcel boundary or the zoning map made by the cartographer when creating the original Land Use and Zoning maps. The mapping error is being corrected through a General Plan Amendment to align the use to the parcel boundary. This correction is not a downzoning or redesignation of land that was intended for residential uses. The Housing Element is based on the intent that the City owned 10-acre parcel to the west of the Project site be designated for residential development. This parcel remains as a site for housing units, which is consistent with the Housing Element.

The quoted text is from page 2.0-10 of Chapter 2.0, Project Description, of the Draft EIR. The complete quote is reproduced below [*emphasis added*]:

> CITY OF IRWINDALE
>
> The City of Irwindale will be the Lead Agency for the proposed Project, pursuant to the State Guidelines for Implementation of the California Environmental Quality Act (CEQA), Section 15050. Actions that would be required from the City include, but are not limited to, the following:
>
> - Adoption of the Environmental Impact Report (EIR);
> - Adoption of the Findings of Fact, Statement of Overriding Considerations, and Mitigation Monitoring and Reporting Program (MMRP);
> - Site Plan and Design Review (Discretionary Application) to approve the proposed site plan, which includes site configuration, design, location, and *impact of the proposed use, and the compliance of the Project with the established Zoning Code standard and the "City of Irwindale Commercial and Industrial Design Guidelines*";
> - General Plan Amendment to approve the change of the current General Plan designation from "Residential" to "Industrial/Business Park" for a portion of APN 8417-034-016; and
> - Approval of the Lot Line Adjustment to combine APNs 8417-034-015 and 8417-034-016

The quoted text is taken from Section 2.6, Uses of the EIR and Required Agency Approvals, of Chapter 2.0. The EIR does not rely on the site plan and design review process to address impacts of the proposed Project.

The proposed Project would not conflict with Community Development Element Policies 1, 3, 4, or 5. The Project would not prohibit the City from preserving the overall mix of land use in the community. The Project would not conflict with any of the requirements that are specified for this particular land use category (Industrial/Business Park) in the General Plan. The Project would not

prohibit the City from examining future opportunities for residential development, including but not limited to residential development west of the Project site. The Project would not prohibit the City from promoting comprehensive development.

Response C-27: The commenter states that the EIR does not provide a consistency analysis with SCAG's 2020-2045 Connect SoCal RTP/SCS. The commenter cites Goals 5, 6, and 7 because the Project would result in significant and unavoidable cumulatively considerable air quality impacts in an inequitable manner within a disadvantaged community. The commenter concludes by stating that the EIR must be revised to include analysis and a finding of significance due to these inconsistencies with the 2020-2045 RTP/SCS document.

Consistency with the SCAG RTP/SCS, also known as Connect SoCal, is included in Section 3.8, Transportation and Circulation, of the Draft EIR. As noted on page 3.8-9 of Section 3.8, "The SCAG 2020-2045 RTP/SCS, also known as Connect SoCal, was developed with input from all 197 local jurisdictions, including the City of Irwindale. The information used to develop the RTP/SCS includes the current land use, socio-economic demographics, and sustainability practices and is documented in a Data Map/Book for each jurisdiction. The Data Map/Book illustrates that the Project site is designated as "Industrial" land use in the 2016 SCAG Land Use Codes. Therefore, the proposed Project is consistent with the SCAG RTP/SCS, and a less than significant impact related to this topic would occur." Please also see Response C-21.

Response C-28: The commenter states that the EIR does not address the Housing Crisis Act (HCA) of 2019 and provisions in Senate Bill (SB) 330, and cites various Government Code sections related to these provisions. The commenter then states that these provisions apply to the Project because the Project would change the site's Residential General Plan land use classification to an Industrial classification. The commenter concludes by stating that the EIR must be revised to include replacement sites for housing which accommodate at minimum the same housing capacity and all related technical analysis.

The proposed Project would not require a rezone, as the entire Project site is zoned for an Industrial use. As discussed in Chapter 2.0, Project Description, of the Draft EIR, the western parcel on the former Manning Pit (8417-034-912) is approximately 10 acres and is designated Residential, which is not part of the Project development. The eastern parcels comprise the Project site, and contains 19.12 acres of Industrial/Business Park and 6.93 acres of Residential. The entire 26.05 acres is zoned M-2 "Heavy Manufacturing." The inconsistency between the General Plan land use designation and the zoning designation is a mapping error of 6.93 acres of Residential land use that doesn't align with the parcel boundary or the zoning map made by the cartographer when creating the original Land Use and Zoning maps. The mapping error is being corrected through a General Plan Amendment to align the use to the parcel boundary. This correction is not a downzoning or redesignation of land that was intended for residential uses, rather, it is a map correction. The Housing Element is based on the intent that the City owned 10-acre parcel to the west of the Project site be designated for residential development. This parcel remains as a site for housing units, which is consistent with the Housing Element. The map correction does not require replacement because the 6.93-acre sliver of land was never intended to be designated for residential uses. All residential uses was intended to be designed on the City-owned parcel.

Response C-29: The commenter states that the EIR utilizes uncertain language such as "employees may come from Irwindale or surrounding communities" without supporting evidence or analysis to substantiate this claim. The commenter states that the EIR indicates that the Project will "generate additional

employment opportunities," but does not give any estimate of the employees generated by the Project. The commenter states that the Project will generate 360 employees, and states that the EIR utilizes uncertain and misleading language which does not provide any meaningful analysis of the Project's population and employment generation. The commenter further states that the EIR does not provide any meaningful evidence to support the claim that there will be no significant impacts, such as the current number of City jobs or the anticipated increase in residents/jobs generated by approved projects or cumulative projects in the pipeline. Further, the commenter states that the SCAG's 2020-2045 RTP/SCS projections for employment should also be utilized for analysis.

The proposed Project would result in an increase in employment opportunities on the Project site, which is designated by the City's General Plan for industrial use; however, it is not possible to identify the exact individuals, or their residence. As noted in the Draft EIR, it is estimated that the proposed project would generate between 15 and 250 employees. As stated throughout the Draft EIR, including in Chapter 2.0, Project Description, an end user has not been identified for the proposed Project. The exact number of employees would depend on the ultimate end user for the Project. As such, the Draft EIR conservatively assumes that up to 250 employees would be generated by the Project.

It is also noted that impacts related to population and housing are discussed in the Initial Study, which is included as Appendix A of the Draft EIR. As discussed on page 63 of the Initial Study, "According to the 2016 US Census population estimates, the population in Irwindale is 1,422 people. The proposed project would result in the construction of a high-cube industrial warehouse that would generate additional employment opportunities. The additional employees may come from Irwindale or surrounding communities. The project would not directly introduce new residents to the City."

Response C-30: The commenter states that, "the EIR does not evaluate a reasonable range of alternatives as only two alternatives beyond the required No Project alternative are analyzed. The EIR does not include an alternative that meets the project objectives and also eliminates all of the project's significant and unavoidable impacts. The EIR must be revised to include analysis of a reasonable range of alternatives and foster informed decision making (CEQA § 15126.6). This could include alternatives such as development of the site with a project that reduces all of the proposed project's significant and unavoidable impacts to less than significant levels."

CEQA does not require an EIR to identify alternatives that meet *all* (emphasis added) of the objectives or *eliminate all* (emphasis added) of the significant and unavoidable impacts. As discussed in Chapter 5.0, Alternatives to the Proposed Project, CEQA requires that an EIR analyze a reasonable range of feasible alternatives that meet *most* (emphasis added) or all project objectives while *reducing* (emphasis added) or avoiding one or more significant environmental effects of the project. The range of alternatives required in an EIR is governed by a "rule of reason" that requires an EIR to set forth only those alternatives necessary to permit a reasoned choice (CEQA Guidelines Section 15126.6[f]). Where a potential alternative was examined but not chosen as one of the range of alternatives, the CEQA Guidelines require that the EIR briefly discuss the reasons the alternative was dismissed. CEQA also requires that an environmentally superior alternative be identified among the alternatives that are analyzed in the EIR.

The Draft EIR identifies Alternatives considered but dismissed from further analysis, as well as three alternatives selected for analysis. It is noted that a Notice of Preparation was circulated to

the public to solicit recommendations for a reasonable range of alternatives to the proposed Project. Additionally, a public scoping meeting was held during the public review period to solicit recommendations for a reasonable range of alternatives to the proposed Project. A Project alternative which provides for multiple smaller warehouse buildings instead of one building was suggested by the general public during the NOP public review process. This suggested alternative is included in this Draft EIR and discussed further below. An alternative location was not suggested during the NOP public review process, although the City of Irwindale considered alternative locations early in the public scoping process. As discussed in the Draft EIR, the City's key considerations in identifying an alternative location were as follows:

- Is there an alternative location where significant effects of the Project would be avoided or substantially lessened?
- Is there a site available within the City's Sphere of Influence with the appropriate size and characteristics such that it would meet the basic Project objectives?

The City reviewed maps and planning documents in their consideration of alternative locations for the Project. The City did not find an alternative location that exists within the City's Sphere of Influence with the appropriate size and characteristics that would meet the basic Project objectives. The City also found that an alternative location would also specifically conflict with the objective of "Redevelopment of the Manning Pit." As such, an alternative location is not feasible.

The City also considered a "Reduced Land Area Project Alternative". Under this alternative, the portion of Assessor's Parcel Number 8417-034-016 which would require a General Plan Amendment to change the current designation from "Residential" to "Industrial/Business Park" would be removed from the Project site; this would result in reducing the Project site by approximately 26.6 percent. This alternative assumes that the approximately 6.93 acres of land along the western boundary of the Project site, which is currently designated Residential, would be removed from the development and would remain as undeveloped land. The balance of the parcel, the 19.12 acres of land making up the eastern portion of the Project site, which is currently designated Industrial/Business Park, would be developed with a high cube warehouse building. This alternative would not warrant a General Plan amendment for the 6.93 acres of residential land, because it would not be a part of the development. The existing General Plan designation and zoning designation for the 6.93 acres would remain in conflict and would require reconciliation at some other time.

In addition to the zoning conflict that would result from this Alternative, the City considered this alternative and found that the residual 6.93-acre parcel would be very difficult to develop by itself as either residential or industrial at some future time given its shape and size. The 6.93-acre area is approximately 250 feet (0.05 miles) by 1,240 feet (0.23 miles). Development on an area that is only 250 feet wide results in difficult planning circumstances. For example, roadway, sidewalk, and landscaping improvements would be required to access and move through the 6.93-acre area. These improvements would further reduce the area buildable for residential uses. Setbacks and sound walls may also be warranted, which would further reduce the usable area. The City found that there is a high likelihood that the 6.93 acres may end up being a residual undevelopable parcel, and that this alternative is in conflict with the Project objectives which include strengthening the City's economic base through job creation, development related investment, increased property, sales, and transient occupancy taxes, and to generating local and regional employment opportunities. Further, this alternative would not achieve or would partially not

achieve most of the Project objectives, including the quantified development objective, the economic contribution objective, the employment opportunity's objective, the marketable high cube warehouse objective, and the redevelopment of the Manning Pit objective. As such, the City determined that the reduced land area alternative is not a feasible alternative.

Three alternatives to the proposed Project were developed based on input from City staff, the public during the NOP review period, and the technical analysis performed to identify the environmental effects of the proposed Project. The alternatives analyzed in this EIR include the following three alternatives in addition to the proposed Project.

- **No Project (No Build) Alternative**: Under this alternative, development of the Project site would not occur, and the Project site would remain in its current existing condition.
- **Multiple Building Alternative**: Under this alternative, the proposed Project would be developed with the same type of use as described in the Project Description, but the warehouse building would be split into three smaller warehouse buildings.
- **Maximum FAR Alternative**: Under this alternative, the proposed Project would be developed using the maximum floor-area-ratio (FAR).

The Alternatives that were considered, including those that were dismissed, are considered a reasonable range of alternatives.

Response C-31: The commenter states that they believe the EIR is flawed and a revised EIR should be prepared. The commenter also requests to be added to the public interest list for the Project.

This comment is noted. The Responses C-1 through C-30 address the commenters concerns regarding the Draft EIR and proposed Project. The commenter has been added to the public interest list for the Project. No further response is warranted.

CITY OF IRWINDALE
COMMUNITY DEVELOPMENT

APR 05 2021

RECEIVED

~~March 9, 2020~~ **April 1, 2021** resubmit (Please make copies and send to each below)

To: Brandi Jones, Senior Planner, The Mayor, and The Councilmen's

These are the questions and commons concerning the Notice of Scoping Meeting and Preparation of a Draft Environmental Impact Report on February 10, 2020 on the numerous bay trucking company on Vincent Avenue. D-1

1. We noticed that the following agencies were listed as "may be required" to issue a permit: Regional Water Quality Control Board (RWQCB), Storm Water Pollution Prevention Plan (SWPPP), and South Coast Air Quality Management District (SCAQMD). These agencies need to be a "Must" not a "may be". There are three cities in this county that is within the 500 feet parameter of this site: Irwindale, Azusa, and Covina. D-2
2. Why were the above mentioned agencies not at the meeting? D-3
3. Did the SCAQMD okay the project? D-4
4. Who on the governing board of SCAQMD okayed the project? D-5
5. Do you have a SCAQMD permit? D-6
6. Who is going to monitor the air standard emissions of these areas? D-7
   - Residential area east (Covina) and west (Irwindale)
   - Ellington Elementary (Covina)
   - Irwindale Community Park
7. Can you mandate non-polluting trucks to be used? D-8
8. Is there going to be to be charging stations on site for electric vehicles? D-9
9. Because this is a new facility, solar panels should be required to reduce the load off of the grid. All new houses are required to have solar panels, this is a new building, and it should have it to. D-10
10. What are the working operations of this facility? 24/7, 9 to 5? D-11
11. As residents living within 500 feet of the new trucking company, we request the working operations to be limited. D-12
12. We were told in the meeting on February 20th 2020 that our property value will increase with the new trucking company that is being built within 500 feet to our front door. Can you show us where this has happened before and what percentage of increase are we planning to see? D-13
13. Because we are live in Covina incorporated county of Los Angeles and the new trucking facility project is planning to be built on Irwindale's side of Vincent Avenue in Los Angeles County, has Los Angeles County Department of Public Works Building and Safely been notified or participating in this study? D-14
14. Is the County Supervisor of Los Angeles District 1, Hilda Solis, been notified or participating in this study? D-15
15. Who in Los Angeles County Traffic and Road Division is going to inspect and okay the extra traffic on Vincent Avenue and the adjacent street, Arrow Highway? When the new trucking company in operation? D-16
16. Who is going to daily clean Vincent Avenue of dust, dirt, and debris? D-17

Edited and added new content as of April 1, 2021

Is the LA County Supervisor First District and Fifth District, Air Quality Management Division and traffic division for the surrounding cities and county involved or aware of this proposal? D-18

The notice sent out to only residents living within 500 feet of the proposed MEGA STORAGE and TRUCKING Facility. D-19

Here are some simple thoughts: D-20

- Air Quality in this valley is one of the most polluted valley in LA County.
- There is a water runoff reclaimed pit within 500 feet of the site.
- Both Arrow Highway and Vincent Avenue have become heavily traveled traffic and is increasing daily.
- At the intersection of Vincent and Arrow there has been multiple accidents and only one death that I've heard of.
- There are Two Apartment complexes at each end of the proposed trucking site on these byways, with parking at a premium, just outside of your 500 feet, one in the county of Covina and the other the County of Azusa. **Anyone Notified Them?**
- Traffic on Vincent Avenue has trash trucks running every day.
- Those trucks have been converted to CNG. **Excellent.**
- Traffic on Arrow Highway has public transportation buses running every hour and every day.
- Those Buses have been converted to CNG and ELECTRIC. **Extremely beneficial.**
- Residents live on three sides with a head start child care and grade school within one half mile of the proposed trucking site.

Will or can you please put a hold on this projects till all responsible Divisions and/or Departments can do their due diligence in reviewing and respond to Irwindale. D-21

Putting a Mega Trucking Company within residential is **inconsiderate and cruel to the residents that live there.** D-22

I do not have access to personal listed above - please distribute to the personnel that makes the decision and have influence upon this project. D-23

James Trenkamp

Trenkamp@hotmail.com

626-587-6201

Charlotte Santos

Charwebb1@mac.com

626-290-5149

Response to Letter D: James Trenkamp & Charles Santos, Residents of Los Angeles County

Response D-1: The commenter states there are questions and concerns regarding the Draft EIR and the numerous bay trucking company on Vincent Avenue. This comment is noted and has been forwarded to the decision makers. See Responses D-2 through D-23 which address the specific concerns raised by the commenter.

Response D-2: The commenter states that the Regional Water Quality Control Board (RWQCB) and South Coast Air Quality Management District (SCAQMD) may be required to issue a permit for the Project. The commenter further states that these agencies need to be a "must" not a "may be". The commenter concludes by stating that there are three cities within the 500-feet perimeter of the site: Irwindale, Azusa, and Covina.

Chapter 2.0, Project Description, of the Draft EIR has been revised to clarify that the RWQCB and SCAQMD would be required to issue permits for the Project. See Chapter 3.0, Revisions, of the Final EIR for the final language.

With regard to the three cities within 500-feet of the Project site stated by the commenter, as discussed in Chapter 2.0 of the Draft EIR, the Project site is within the City of Irwindale, and is adjacent to unincorporated Los Angeles County to the east. The City of Covina city limits is approximately 2,900 feet east of the eastern site boundary, or further. The City of Azusa is within 500 feet of the Project site to the north.

No further response is warranted.

Response D-3: The commenter questions why were the above-mentioned agencies not at the (Scoping) Meeting. Among other agencies and members of the public, the City of Azusa, City of Covina, RWQCB, and SCAQMD were notified of and invited to the Scoping Meeting via the NOP of an EIR for the Project.

As noted in Chapter 1.0, Introduction, of the Draft EIR, the City of Irwindale circulated an Initial Study (IS) and Notice of Preparation (NOP) of an EIR for the proposed Project on February 10, 2020 to the State Clearinghouse, State Responsible Agencies, State Trustee Agencies, Other Public Agencies, Organizations and Interested Persons. A public scoping meeting was held on February 20, 2020 to present the Project description to the public and interested agencies, and to receive comments from the public and interested agencies regarding the scope of the environmental analysis to be included in the Draft EIR. Concerns raised in response to the NOP were considered during preparation of the Draft EIR. The IS, NOP, and comments received on the NOP by interested parties are presented in Appendix A.

Response D-4: The commenter questions if the SCAQMD okayed the Project.

The SCAQMD is not a local land use authority, and does not have the ultimate authority to approve a development project. The lead agency is responsible for considering a project application for land use and development entitlements. The SCAQMD serves as a Responsible Agency. Nevertheless, the SCAQMD was contacted multiple times during the Draft EIR and Final EIR phases by the City in order to provide the air quality and greenhouse gas emission modeling for the proposed Project. The SCAQMD provided feedback for the Project and associated modeling, and the feedback was considered by the City and incorporated into the EIR.

Response D-5: The commenter questions who on the governing board of SCAQMD okayed the Project. Please see Response D-3.

Response D-6: The commenter questions if there is a SCAQMD permit. Please see Response D-3. It is noted that a permit to construct from the SCAQMD is only obtained should the Project be approved. The permit to construct from the SCAQMD would be obtained after approval, prior to construction.

Response D-7: The commenter questions who will monitor the air standard emissions of the following areas: residential area east (Covina) and west (Irwindale); Ellington Elementary (Covina), and Irwindale Community Park.

As discussed in Section 3.2, Air Quality, of the Draft EIR, ambient air quality at the Project site can be inferred from ambient air quality measurements conducted at nearby air quality monitoring stations. CARB maintains more than 60 monitoring stations throughout California. The Azusa (803 North Loren Avenue, Azusa) air quality monitoring station, located approximately two miles northeast of the Project site, is the closest station to the site. The Azusa monitoring station monitors ambient concentrations of ozone, PM2.5, PM10, the three pollutants in nonattainment of air quality standards in the Project region. Monitoring data from this station is included in the Draft EIR in Table 3.2-3 on page 3.2-9. Ambient emission concentrations will vary due to localized variations in emission sources and climate and should be considered generally representative of ambient concentrations in the development area.

There are no monitoring sites in Covina or Irwindale. Because this comment does not directly pertain to the Draft EIR, no further response is warranted.

Response D-8: The commenter questions if a mandate for non-polluting trucks can be used.

The necessary infrastructure to support zero and near-zero emission technology vehicles and equipment would be provided on-site, pursuant to Mitigation Measure 3.2-2 in Section 3.2, Air Quality, of the Draft EIR. Additionally, Mitigation Measure 3.2-1 of Section 3.2 requires that the proposed warehouse be constructed with the appropriate infrastructure to facilitate sufficient electric charging for trucks to plug-in in anticipation of future technology allowing trucks to operate partially on electricity. Further, in order to promote alternative fuels, and help support "clean" truck fleets, the developer/successor-in-interest would be required to provide building occupants with information related to SCAQMD's Carl Moyer Program, or other such programs that promote truck retrofits or "clean" vehicles and information including, but not limited to, the health effect of diesel particulates, benefits of reduced idling time, CARB regulations, and importance of not parking in residential areas. Tenants would be notified about the availability of: 1) alternatively fueled cargo handling equipment; 2) grant programs for diesel-fueled vehicle engine retrofit and/or replacement; 3) designated truck parking locations in the Project vicinity; 4) access to alternative fueling stations proximate to the site that supply compressed natural gas; and 5) the United States Environmental Protection Agency's SmartWay program.

Response D-9: The commenter questions if charging stations for electric vehicles will be provided. As required by Mitigation Measure 3.2-1 in Section 3.2, Air Quality, of the Draft EIR, at least five percent of all vehicle parking spaces would include rough-in of electrical conduit for future EV charging stations. Further, provisions for future electrical hookups to plug in any onboard auxiliary equipment would be provided for Project trucks at each dock door location. Electrical panels would be appropriately sized to allow for future expanded use. Additionally, the proposed warehouse would be constructed with the appropriate infrastructure to facilitate sufficient electric charging for trucks

to plug-in in anticipation of future technology, sufficient to allow for the possibility for all on-site trucks to operate with 100% electric powertrains.

Response D-10: The commenter states that solar panels should be required to reduce the load off of the grid. As required by Mitigation Measure 3.4-1 in Section 3.4, Greenhouse Gases, Climate Change and Energy, of the Draft EIR, the Project would install the maximum feasible number of solar energy arrays on the building roof and/or on the Project site to generate on-site solar energy for the facility. This measure also requires the Project to utilize solar energy, on-site and/or off-site, sufficient to provide energy for the entire building's energy consumption on a net annual basis. Purchase off-site energy credits (in part of whole) is allowed, in order to achieve this measure.

Response D-11: The commenter questions what the working operations at the facility will be.

The working operations at the facility will depend on the end user, which is unknown at this stage. As discussed on page 2.0-6 of Chapter 2.0 of the Draft EIR, according to the ITE, a high-cube warehouse is a building that typically has at least 200,000 gross sf of floor area, has a ceiling height of 24 feet or more, and is used primarily for the storage and/or consolidation of manufactured goods (and to a lesser extent, raw materials) prior to their distribution to retail locations or other warehouses. Given that the proposed Project includes an industrial warehouse building totaling 545,735 square feet (sf), it is classified as a high-cube warehouse building.

A typical high-cube warehouse has a high level of on-site automation and logistics management. The automation and logistics enable highly-efficient processing of goods through the high-cube warehouse. High-cube warehouses are generally grouped into five types: transload facility, short-term storage facility, fulfillment center, parcel hub, and cold storage facility. However, the proposed Project, specifically excludes fulfillment center, parcel hub, and cold storage facility as a potential end user of the building. The applicant has indicated that these three uses (fulfillment center, parcel hub, and cold storage facility) are not proposed uses, and the applicant has agreed to conditions on the Project that would prohibit these uses at the Project site. Should these three uses be proposed at some future date, further environmental review shall be required.

End users could include light industrial or manufacturing uses. However, there is not a specific end user/business established for the proposed building at this time. There are a variety of possible businesses that could occupy and operate their business from the proposed building. The uses for the proposed building may include any of the following: Manufacturing Warehouse, Light Industrial, High-Cube Short-term, and High-Cube Transload. These uses are allowed under the Industrial/Business Park land use designation and M-2 "Heavy Manufacturing" zoning designation.

Response D-12: The commenter states that, as residents living within 500 feet of the new trucking company, they request the working operations to be limited.

This comment is noted and has been forwarded to the decisionmakers for their consideration.

Response D-13: The commenter states that, at the Scoping Meeting on February 20th 2020, they were told that their property value will increase with the new trucking company that is being built within 500 feet to their front door. The commenter questions where this has happened before and what percentage of increase are they planning to see.

The City staff and their consultants have not indicated that adjacent property values will increase or decrease. The City has noted that he proposed Project would result in an increase in assessed

value of the Project site, and an increase in tax revenue for the City because the Project site will shift from undeveloped to developed. There are important factors to consider during deliberations on this Project, including community benefits and fiscal and financial outcomes. These are topics, however, that do not fit within the scope of environmental topics under the California Environmental Quality Act. The commenter's overall concerns have been forwarded to the decisionmakers for their consideration.

Response D-14: The commenter questions whether the Los Angeles County Department of Public Works Building and Safety been notified or participating in this study.

The Draft EIR has been routed to Los Angeles County, including the Department of Public Works Building and Safety, for their review and comment. The City of Irwindale contracts with the County of Los Angeles for Building and Safety services, such as permitting and plan check. The County Department of Public Works Building and Safety reviewed the project and provided comments and conditions of approval as the City's Building and Safety Division

Response D-15: The commenter questions if the County Supervisor of Los Angeles District 1, Hilda Solis, been notified or participating in this study.

The Draft EIR has been routed to Los Angeles County, including Hilda Solis, for their review and comment.

Response D-16: The commenter questions who in Los Angeles County Traffic and Road Division is going to inspect and okay the extra traffic on Vincent Avenue and the adjacent street, Arrow Highway. The commenter further questions when the new trucking company will be in operation.

Extra traffic on area roadways does not require any specific inspection; however, the Draft EIR, including the traffic analysis, has been routed to Los Angeles County for their review and comment. The Draft EIR assumes that the project would operate in 2023.

Response D-17: The commenter questions who is going to clean Vincent Avenue of dust, dirt, and debris?

Construction activities would be subject to SCAQMD Rule 403, which requires taking reasonable precautions to prevent the emissions of fugitive dust, such as using water or chemicals, where possible, for control of dust during the clearing of land and other construction activities. The developer will be responsible for a street sweeper during construction, and the construction entrances will include a track out area to remove dirt from the tires of vehicles exiting the Project site.

Dust, dirt, or debris resulting on Vincent Avenue as a result of Project operations is not anticipated.

Response D-18: The commenter questions if the LA County Supervisor First District and Fifth District, Air Quality Management Division and traffic division for the surrounding cities and county involved or aware of this proposal.

The Draft EIR, including the air quality and traffic analysis, has been routed to Los Angeles County for their review and comment.

Response D-19: The commenter states that the notice was sent out to residents living within 500 feet of the proposed Project.

The commenter is correct. No further response is needed.

Response D-20: The commenter lists various thoughts and concerns they have related to air quality, water runoff traffic, traffic collisions, and nearby land uses. One concern specifically relates to the Draft EIR and overall CEQA process. This comment states: "There are Two Apartment complexes at each end of the proposed trucking site on these byways, with parking at a premium, just outside of your 500 feet, one in the county of Covina and the other the County of Azusa. Anyone Notified Them?"

Residents within 500 feet of the Project site were notified of the Project. Additionally, the City of Irwindale filed the Notice of Availability with the County Clerk and the Notice was published in a newspaper of regional circulation (the San Gabriel Valley Tribune) to begin the local public review period. The CEQA noticing requirements were followed for the proposed Project.

Response D-21: The commenter asks: "Will or can you please put a hold on this projects till all responsible Divisions and/or Departments can do their due diligence in reviewing and respond to Irwindale."

This comment is noted and has been forwarded to the decisionmakers for their consideration. It is noted that the City of Irwindale circulated an Initial Study (IS) and Notice of Preparation (NOP) of an EIR for the proposed Project on February 10, 2020 to the State Clearinghouse, State Responsible Agencies, State Trustee Agencies, Other Public Agencies, Organizations and Interested Persons. A public scoping meeting was held on February 20, 2020 to present the Project Description to the public and interested agencies, and to receive comments from the public and interested agencies regarding the scope of the environmental analysis to be included in the Draft EIR.

Response D-22: The commenter states: "Putting a Mega Trucking Company within residential is inconsiderate and cruel to the residents that live there."

This comment is noted and has been forwarded to the decisionmakers for their consideration.

Response D-23: The commenter states: "I do not have access to personal listed above - please distribute to the personnel that makes the decision and have influence upon this project."

This comment is noted and has been forwarded to the decisionmakers for their consideration. The State Clearinghouse, State Responsible Agencies, State Trustee Agencies, Other Public Agencies, Organizations and Interested Persons have been notified of the Project, and will continue to be noticed regarding future actions on the Project.

CITY OF IRWINDALE
COMMUNITY DEVELOPMENT
APR 05 2021
RECEIVED

ATT: Brandi Jones

Project Title: Vincent Ave. Project.

I SAY No TO This project. E-1

This Business Will CREATE Noise, TRAFFIC AND AIR POLUTION. E-2

Will it Really Bring money into the City? E-3

NOT MANY JOB's TO OUR IRWINDALE RESICIENTS BE CAUSE OFF AUTOMATION. E-4

John Chico
16023 Pepper Tree Ln
Irwindale, CA.
91706

Response to Letter E: John Chico, Resident of Irwindale

Response E-1: The commenter states that they say no to this Project.

This comment is noted and has been forwarded to the decisionmakers for their consideration.

Response E-2: The commenter states that this business will create noise, traffic, and air pollution.

The listed concerns were fully analyzed and disclosed in the Draft EIR. Impacts associated with noise, traffic, and air pollution are discussed in Sections 3.7, Noise, 3.8, Transportation and Circulation, and 3.2, Air Quality of the Draft EIR. All noise impacts were determined to be less-than-significant, or less-than-significant with implementation of mitigation. All traffic impacts were determined to be less-than-significant, or less-than-significant with implementation of mitigation.

As discussed, and shown in Table 3.2-5 and Table 3.2-6 in Section 3.2, although implementation of the proposed Project would not generate significant concentrations of pollutants at nearby sensitive receptors, the proposed Project is expected to exceed the Southern California Air Quality Management District (SCAQMD) mass threshold for operational nitrogen oxides (NOx), as modelled. Mitigation is provided under Mitigation Measure 3.2-1 to reduce emissions to the maximum extent feasible. However, even after implementation of these mitigation measures, out of an abundance of caution, operation of the Project would be considered to have a significant and unavoidable impact related to the potential to expose sensitive receptors to substantial pollutant concentrations or result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is in nonattainment. It is noted that the proposed Project would be required to implement Mitigation Measure 3.2-2, which would ensure that the proposed Project would have a less than significant impact related to the potential to expose sensitive receptors to substantial pollutant concentrations or result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is in nonattainment. Further, a Health Risk Assessment was completed for the Project. Implementation of the proposed Project, in and of itself, would not result in an increased exposure of sensitive receptors to localized concentrations of Toxic Air Contaminants (TACs).

Response E-3: The commenter questions if the Project will really bring money into the City.

This comment is noted. The City staff has noted that proposed Project would result in an increase in assessed value, and an increase in tax revenue because there would be a shift from undeveloped/unimproved land to a developed/improved property. There are important factors to consider during deliberations on this Project, including community benefits and fiscal and financial outcomes. These are topics, however, that do not fit within the scope of environmental topics under the California Environmental Quality Act. The commenter's overall concerns have been forwarded to the decisionmakers for their consideration.

Response E-4: The commenter states that not many jobs will go to our Irwindale residents because of automation.

The proposed Project would result in an increase in employment opportunities on the Project site; however, it is not possibly to identify the exact individuals, or their residence. As noted in Response E-3, there are important factors to consider during deliberations on this Project, including community benefits and employment generation. These are topics, however, that do not fit within

the scope of environmental topics under the California Environmental Quality Act. The commenter's overall concerns have been forwarded to the decisionmakers for their consideration.

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March 22, 2021

Gary Ho
Blum Collins LLP
707 Wilshire Blvd, Ste. 4880
Los Angeles, CA 90017

Subject: Comments on 5175 Vincent Avenue Project (SCH No. 2018121056)

Dear Mr. Ho,

We have reviewed the February 2021 Draft Environmental Impact Report ("DEIR") for the 5175 Vincent Avenue Project ("Project") located in the City of Irwindale ("City"). The Project proposes to construct a 545,735-SF concrete tilt-up industrial warehouse, including 540,447-SF of ground floor area and 5,000-SF of mezzanine area, as well as 199 standard parking stalls and 181 trailer stalls, on the 26.05-acre site.

Our review concludes that the DEIR fails to adequately evaluate the Project's air quality, health risk, and greenhouse gas impacts. As a result, emissions and health risk impacts associated with construction and operation of the proposed Project are underestimated and inadequately addressed. An updated EIR should be prepared to adequately assess and mitigate the potential air quality, health risk, and greenhouse gas impacts that the project may have on the surrounding environment.

F-1

Air Quality

Incorrect Use of the Fontana Truck Trip Study

The Traffic Impact Analysis ("TIA"), provided as Appendix D to the DEIR, the Project relies on the August 2003 City of Fontana *Truck Trip Generation Study* ("Fontana Study")[1] to determine the operational passenger car and truck trip generation rates (see excerpt below) (p. 21, Table 2).

F-2

[1] "Truck Trip Generation Study." City of Fontana, County of San Bernardino, State of California, August 2003, *available at*: http://www.fontana.org/DocumentCenter/Home/View/622

Table 2
Project Trip Generation

Descriptor	Quantity	Units[1]	Type of Vehicle: Passenger Car	2 Axle Truck	3 Axle Truck	4+ Axle Truck	Total Trucks	Total
Land Use: Light Industrial	545.735	TSF	78.6%	8.0%	3.9%	9.5%	21.4%	100%
Trip Generation Rates[2] in trips per TSF								
Daily			3.899	0.397	0.193	0.471	1.061	4.96
Morning Peak Hour			0.550	0.056	0.027	0.067	0.150	0.70
Evening Peak Hour			0.495	0.050	0.025	0.060	0.135	0.63
Trip Generation in Vehicles								
Daily			2,128	217	106	257	580	2,708
Morning Peak Hour								
Inbound			264	27	13	32	72	336
Outbound			36	4	2	4	10	46
Total			300	31	15	36	82	382
Evening Peak Hour								
Inbound			35	4	2	4	10	45
Outbound			235	24	12	28	64	299
Total			270	28	14	32	74	344
Passenger Car Equivalent's (PCE'S) Factor[3]			1.00	1.50	2.00	3.00		
Trip Generation in PCE's								
Daily			2,128	326	212	771	1,309	3,437
Morning Peak Hour								
Inbound			264	41	26	96	163	427
Outbound			36	6	4	12	22	58
Total			300	47	30	108	185	485
Evening Peak Hour								
Inbound			35	6	4	12	22	57
Outbound			235	36	24	84	144	379
Total			270	42	28	96	166	436

Notes:
(1) TSF = Thousand Square Feet
(2) Source: Institute of Transportation Engineers, Trip Generation Manual, 10th Edition, 2017, Land Use Code 150 and City of Fontana, Truck Trip Generation Study, August 2003.
(3) Passenger Car Equivalent factors are recommended by San Bernardino Associated Governments.

F-2 cont'd

However, SCAQMD staff have determined that the Fontana Study has limited applicability to warehouse projects. As a result, the Fontana Study should not be relied upon to determine the Project's operational mobile-source emissions. Specifically, SCAQMD staff find the following issues with the Fontana Study: [2]

[2] "Warehouse Truck Trip Study Data Results and Usage" Presentation. SCAQMD Mobile Source Committee, July 2014, *available at:* http://www.aqmd.gov/docs/default-source/ceqa/handbook/high-cube-warehouse-trip-rate-study-for-air-quality-analysis/finaltrucktripstudymsc072514.pdf?sfvrsn=2, p. 10

2

- The overall trip rate is based on only four warehouses total, which includes two warehouses with zeros. In other words, the results of the Fontana Study were based on only two data points. As is disclosed in the Fontana Study, the daily trip rate was only based on data from a Target warehouse and a TAB warehouse.[3]
- The Fontana Study does not report any 24-hour daily truck trip rates. According to the Fontana Study, "[t]rip generation statistics for daily truck trips were not calculated because vehicle classifications counts could not be obtained from the driveway 24-hour counts."[4]

F-2 cont'd

As such, the TIA should not rely upon the Fontana Study to estimate the Project's operational truck trip generation. A revised TIA should be prepared and included in an updated EIR that adequately assesses the Project's air quality and GHG impacts.

Unsubstantiated Input Parameters Used to Estimate Project Emissions

The DEIR's air quality analysis relies on emissions calculated with CalEEMod.2016.3.2 (p. 3.2-18).[5] 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. Once all of the values are inputted into the model, the Project's construction and operational emissions are calculated, and "output files" are generated. These output files disclose to the reader what parameters are utilized in calculating the Project's air pollutant emissions and make known which default values are changed as well as provide justification for the values selected.

F-3

When reviewing the Project's CalEEMod output files, provided in the CalEEMod Modeling Results as Appendix B.2 to the DEIR ("Appendices"), we found that several model inputs were not consistent with information disclosed in the DEIR. As a result, the Project's construction and operational emissions are underestimated. As a result, an updated EIR should be prepared to include an updated air quality analysis that adequately evaluates the impacts that construction and operation of the Project will have on local and regional air quality.

Unsubstantiated Reduction to Default CO_2 Intensity Factor

Review of the CalEEMod output files demonstrates that the "Irwindale 5175 Vincent Avenue" model includes a manual reduction to the default CO_2 intensity factor (see excerpt below) (Appendix B.2, pp. 473, 511, 543).

F-4

[3] "Truck Trip Generation Study." City of Fontana, County of San Bernardino, State of California, August 2003, *available at*: http://www.fontana.org/DocumentCenter/Home/View/622, p. 35
[4] "Truck Trip Generation Study." City of Fontana, County of San Bernardino, State of California, August 2003, *available at*: http://www.fontana.org/DocumentCenter/Home/View/622, p. 6
[5] CAPCOA (November 2017) CalEEMod User's Guide, http://www.aqmd.gov/docs/default-source/caleemod/01_user-39-s-guide2016-3-2_15november2017.pdf?sfvrsn=4.

Table Name	Column Name	Default Value	New Value
tblProjectCharacteristics	CO2IntensityFactor	702.44	531.75

As you can see in the excerpt below, the CO_2 intensity factor was manually reduced by approximately 24%, from the default value of 702.44- to 531.75-pounds per megawatt hour ("lbs/MWh"). The CalEEMod User's Guide requires any changes to model defaults be justified.[6] According to the "User Entered Comments and Non-Default Data" table, the justification provided for this change is:

> "Op. year - 2023. CO2 Intensity factor adjusted to reflect RPS value in 2023 (note: CalEEMod default factor is from 2012) - factor reduced by 24.3% based on change in eligible renewables from 22% in 2013 to 41% by 2023" (Appendix B.2, pp. 471, 509, 541).

Furthermore, regarding the intensity factors associated with the Project's utility company, the DEIR states:

> "The proposed Project would be in compliance with all applicable federal, State, and local regulations regulating energy usage. For example, Southern California Edison (SCE), the electric and natural gas provider to the proposed Project, is responsible for the mix of energy resources used to provide electricity for its customers, and it is in the process of implementing the statewide RPS to increase the proportion of renewable energy (e.g. solar and wind) within its energy portfolio. SCE is expected to achieve at least a 33% mix of renewable energy resources by 2020, and 60% by 2030" (p. 3.4-36).

F-4 cont'd

However, these justifications are insufficient for three reasons. First, the DEIR fails to provide a source for the revised CO_2 intensity factor. Second, the DEIR cannot simply interpolate its own CO_2 intensity factor based on ***estimates*** of future increases in renewable energy use. Third, simply because the ***State*** has renewable energy ***goals*** does not ensure that these goals will be achieved locally on the Project site or by the Project's specific utility company. As a result, we cannnot verify the revised CO_2 intensity factor.

This unsubstantiated reduction presents an issue, as CalEEMod uses the CO_2 intensity factor to calculate the Project's greenhouse gas ("GHG") emissions associated with electricity use.[7] Thus, by including an unsubstantiated reduction to the default CO_2 intensity factor, the model may underestimate the Project's GHG emissions and should not be relied upon to determine Project significance.

Failure to Substantiate Required Material Import and Export

Review of the CalEEMod output files demonstrates that the "Irwindale 5175 Vincent Avenue" model fails to include any amount of material export or material import (Appendix B.2, pp. 471-473, 509-511, 541-543). According to the "User Entered Comments and Non-Default Data" table, the justification

F-5

[6] CalEEMod User Guide, *available at:* http://www.caleemod.com/, p. 2, 9
[7] "CalEEMod User's Guide." CAPCOA, November 2017, *available at:* http://www.caleemod.com/, p. 17.

provided for this exclusion is: "Balanced soil import/export (from Ken Lee, email dated March 30, 2020)" (Appendix B.2, pp. 471, 509, 541). However, this justification is insufficient for two reasons.

First, the DEIR fails to provide the email correspondence with Ken Lee to support the assumption that Project construction would not require any amount of material export or import. As such, we cannot verify the exclusion of material export and material import in the model.

Second, the DEIR indicates that "[c]onstruction would include excavation and the overall disturbance of existing landscape" (p. 3.6-22). As such, the DEIR should have substantiated the amount of material import and material export required for such excavation activities. As the DEIR fails to provide this information, we cannot verify the exclusion of material export and material import in the model. F-5 cont'd

This inadequacy presents an issue, as the inclusion of all required material export and import in the model is necessary to calculate emissions produced from material movement, including truck loading and unloading, and additional hauling truck trips.[8] As the DEIR fails to substantiate the amount of material import and export required for the Project, the model may underestimate the Project's construction-related emissions and should not be relied upon to determine Project significance. An updated EIR should be prepared to verify the amount of required material import and export.

Unsubstantiated Reduction to Default Acres of Grading Value

Review of the CalEEMod output files demonstrates that the "Irwindale 5175 Vincent Avenue" model includes a manual reduction to the default acres of grading value (see excerpt below) (Appendix B.2, pp. 473, 511, 543).

Table Name	Column Name	Default Value	New Value
tblGrading	AcresOfGrading	112.50	26.05

F-6

As you can see in the excerpt above, the acres of grading value was reduced by approximately 77%, from the default value of 112.5- to 26.05-acres. As previously mentioned, the CalEEMod User's Guide requires any changes to model defaults be justified.[9] According to the "User Entered Comments & Non-Default Data" table, the justification provided for this change is: "Assume total site is graded (26.05 acres)" (Appendix B.2, pp. 471, 509, 541). Furthermore, the DEIR indicates that the Project consists of 26.05 acres of soil total (see excerpt below) (p. 3.3-3, Table 3.3-1).

[8] CalEEMod User's Guide, *available at:* http://www.caleemod.com/, p. 3, 26.
[9] CalEEMod User Guide, *available at:* http://www.caleemod.com/, p. 2, 9

TABLE 3.3-1: PROJECT SITE SOILS

UNIT SYMBOL	NAME	ACRES IN AOI	PERCENT OF AOI
1106	Urban land-Soboba complex, 0-5% slopes	0.67	2.6
1106	Urban land, commercial-Soboba complex, 0-5% slopes	0.87	3.3
1180	Pits and Quarries	24.51	94.1

SOURCE: NRCS CUSTOM SOIL SURVEY 2018.

However, these justifications are insufficient. According to the CalEEMod User's Guide:

> "*[T]he dimensions (e.g., length and width) of the grading site have no impact on the calculation*, only the total area to be graded. In order to properly grade a piece of land multiple passes with equipment may be required. *The acres is based on the equipment list and days in grading or site preparation phase according to the anticipated maximum number of acres a given piece of equipment can pass over in an 8-hour workday*" (emphasis added).[10]

F-6 cont'd

Thus, as the dimensions of the Project site have no impact on the acres of grading value, we cannot verify the revised acres of grading value.

This unsubstantiated reduction presents an issue, as CalEEMod uses the acres of grading value to estimate the dust emissions associated with grading.[11] Thus, by including an unsubstantiated reduction to the default acres of grading value, the model may underestimate the Project's construction-related emissions and should not be relied upon to determine Project significance.

Failure to Implement All Feasible Mitigation to Reduce Emissions

As discussed above, the DEIR's air quality analysis relies upon an incorrect and unsubstantiated air model to determine the significance of the Project's criteria air pollutant emissions. However, despite the DEIR's reliance upon a flawed air model, the Project's operational emissions estimates indicate a significant air quality impact. Specifically, the DEIR concludes that the Project's operational NO_x emissions would exceed the applicable SCAQMD threshold (see excerpt below) (p. IV.B-22, Table IV.B-8).

F-7

[10] "Appendix A Calculation Details for CalEEMod." *available at:* http://www.aqmd.gov/docs/default-source/caleemod/02_appendix-a2016-3-2.pdf?sfvrsn=6, p. 9.
[11] "Appendix A Calculation Details for CalEEMod." *available at:* http://www.aqmd.gov/docs/default-source/caleemod/02_appendix-a2016-3-2.pdf?sfvrsn=6, p. 9.

TABLE 3.2-5: OPERATIONAL PROJECT GENERATED EMISSIONS AT FULL BUILDOUT

CATEGORY	ROG	NOX	PM_{10}	$PM_{2.5}$	SO_X	CO
	≤ 55 LBS/DAY	≤ 55 LBS/DAY	≤ 150 LBS/DAY	≤ 55 LBS/DAY	≤ 150 LBS/DAY	≤ 550 LBS/DAY
Area	12.4	<0.1	<0.1	<0.1	0	0.1
Energy	<0.1	2.7	<0.1	0.2	<0.1	2.2
Mobile	3.8	58.6	26.3	7.2	0.4	61.1
Total	**16.5**	**61.3**	**26.3**	**7.4**	**0.4**	**63.3**
SCAQMD Threshold Exceeded?	**N**	**Y**	**N**	**N**	**N**	**N**

SOURCES: CALEEMOD (V.2016.3.2)
NOTE: VALUES MAY NOT ADD UP DUE TO ROUNDING.

As a result, the DEIR concludes that the Project's operational air quality impact would be significant and unavoidable, stating:

> "Operation of the proposed Project would have a ***significant and unavoidable*** impact related to the mass emissions associated with the proposed Project" (p. 3.2-31).

F-7 cont'd

However, while we agree that the Project would result in significant operational criteria air pollutant emissions, the DEIR's conclusion that these impacts are "significant and unavoidable" is incorrect. According to CEQA Guidelines § 15096(g)(2):

> "When an EIR has been prepared for a project, the Responsible Agency shall not approve the project as proposed if the agency finds any feasible alternative or feasible mitigation measures within its powers that would substantially lessen or avoid any significant effect the project would have on the environment."

As you can see, an impact can only be labeled as significant and unavoidable after *all available, feasible mitigation* is considered. Here, while the DEIR includes Mitigation Measure ("MM") 3.2-1 and MM 3.4-1, the DEIR fails to implement *all feasible* mitigation (p. 3.2-29, 3.4-29). Therefore, the DEIR's conclusion that the Project's air quality impacts are significant and unavoidable is unsubstantiated. To reduce the Project's air quality impacts to the maximum extent possible, additional feasible mitigation measures should be incorporated, such as those suggested in the section of this letter titled "Feasible Mitigation Measures Available to Reduce Emissions."[12] Thus, the Project should not be approved until an updated EIR is prepared, including updated, accurate air modeling, as well as incorporating all feasible mitigation to reduce emissions to less-than-significant levels.

Diesel Particulate Matter Health Risk Emissions Inadequately Evaluated

The DEIR concludes that the proposed Project would have a less-than-significant health risk impact based on an mobile-source operational health risk analysis ("HRA") (p. 3.2-40). Specifically, the DEIR

F-8

[12] See section titled "Feasible Mitigation Measures Available to Reduce Emissions" on p. 21 of this comment letter. These measures would effectively reduce that the Project's construction-related NO_x emissions, as well as operational ROG/VOC, NO_x, CO, PM_{10}, $PM_{2.5}$ emissions.

estimates that Project-generated diesel truck trips would result in an excess cancer risk of 3.73 in one million, which would not exceed the SCAQMD threshold of 10 in one million (see excerpt below) (p. 3.2-40, Table 3.2-11).

TABLE 3.2-11: SUMMARY OF MAXIMUM HEALTH RISKS

RISK METRIC	*MAXIMUM RISK (PER MILLION PERSONS)*	*SIGNIFICANCE THRESHOLD*	*IS THRESHOLD EXCEEDED?*
Residential Cancer Risk (30-year exposure)[1]	3.73	10 per million	No
Workplace Cancer Risk (25-year exposure)[2]	0.26	10 per million	No
Chronic (non-cancer)	<0.01	Hazard Index ≥1	No
Acute (non-cancer)[3]	0	Hazard Index ≥1	No

NOTES: [1]THE MAXIMUM RESIDENTIAL CANCER RISK WOULD BE FOR A RESIDENCE LOCATED APPROXIMATELY 75 FEET TO THE EAST OF THE PROJECT SITE. THE INCREMENTAL RESIDENTIAL CANCER RISK (30-YEAR EXPOSURE) AT THIS LOCATION IS PROVIDED WITHIN THIS TABLE.[2]THE VALUE PROVIDED FOR MAXIMUM WORKPLACE CANCER RISK IS THE MAXIMUM VALUE PROVIDED AT THE NEAREST WORKPLACE LOCATION, LOCATED APPROXIMATELY 5 FEET TO THE NORTH OF THE PROJECT SITE. [3]ACUTE (NON-CANCER) RISKS WERE NOT ESTIMATED, SINCE DPM DOES NOT HAVE SHORT-TERM TOXICITY VALUES.
SOURCES: AERMOD 9.9.0 (V.19191) (LAKES ENVIRONMENTAL SOFTWARE, 2020); AND HARP-2 ADMRT.

F-8 cont'd

Regarding the potential health risk impacts associated with Project construction, the DEIR states:

> "It should be noted that Project construction TACs were not modeled using AERMOD since both maximum and annual mitigated PM10 emissions during Project construction would be fewer than those emissions during project operation (as provided in the CalEEMod results provided in Appendix B). Moreover, construction DPM emissions would tend to be located more toward the geographic center of the Project site, compared with vehicles generated by the Project during the Project's operational phase. Since maximum risks from TACs to nearby receptors are demonstrated during Project operation would be less than the maximum risk thresholds provided by SCAQMD, and since emission of construction TACs (i.e. DPM) would be less than during Project operation (both maximum and annual risks), and since construction activities would be temporary and would occur prior to Project operation, risks from construction TACs would also be below the applicable SCAQMD thresholds" (p. 3.2-41).

As demonstrated above, the DEIR claims that the Project's construction-related toxic air contaminant ("TAC") emissions would be less than significant because "both maximum and annual mitigated PM_{10} emissions during Project construction would be fewer than those emissions during project operation" and "construction DPM emissions would tend to be located more toward the geographic center of the Project site." However, the DEIR's evaluation of the Project's potential health risk impacts, as well as the subsequent less-than-significant impact conclusion, is incorrect for four reasons.

First, the off-site diesel truck travel emission rates relied upon by the DEIR's HRA employ trip generation rates provided by the TIA (see excerpt below) (Appendix B.4, pp. 591).

TABLE 3: EMISSION RATES BY SOURCE

Source	Pollutant	Volume/Size	Emission Factor	Emissions (lbs/yr)
On-site Diesel Truck (Mobile) Circulation	Diesel Particulate Matter (DPM)	290 trucks per day traveling 0.4 miles	0.012450207 g/mile	1.162147235
On-site Diesel Truck Idling	Diesel Particulate Matter (DPM)	290 trucks per day idling 15 minutes	0.0035 g/hr -vehicle	0.204189149
Off-site Diesel Truck (Mobile) Travel	Diesel Particulate Matter (DPM)	290 trucks per day, distributed based on the trip distribution as provided within the Traffic Study	0.009284707 g/mile	2.816671267

SOURCES: EMFAC 2014 (ON-SITE DIESEL TRUCK CIRCULATION); TABLES 3.2-41 AND 42, OF THE EMFAC2014 VOLUME III - TECHNICAL DOCUMENTATION GUIDEBOOK ON IDLING EMISSIONS; EMFAC 2017 WEB DATABASE (V.1.0.2); GANDDINI, 2020. SEE TABLE 2 OF THIS DOCUMENT AND APPENDIX 1 FOR FURTHER DETAIL.
NOTES: LBS = POUNDS; YR = YEAR; G = GRAMS; HP = HORSEPOWER

However, as discussed above, the TIA relies upon the Fontana Study to determine the Project's trip generation rates. This is incorrect, as SCAQMD staff have determined the Fontana Study has limited applicability to warehouse projects and, as a result, should not be relied upon to generate trip rates or determine the Project's operational mobile-source emissions. Moreover, despite incorrectly relying upon the Fontana Study, the TIA indicates that the Project would generate 580 average daily truck trips (see excerpt below) (Appendix D, p. 21, Table 2).

F-8 cont'd

Descriptor	Quantity	Units[1]	Type of Vehicle: Passenger Car	2 Axle Truck	3 Axle Truck	4+ Axle Truck	Total Trucks	Total
Land Use: Light Industrial	545.735	TSF	78.6%	8.0%	3.9%	9.5%	21.4%	100%
Trip Generation Rates[2] in trips per TSF								
Daily			3.899	0.397	0.193	0.471	1.061	4.96
Morning Peak Hour			0.550	0.056	0.027	0.067	0.150	0.70
Evening Peak Hour			0.495	0.050	0.025	0.060	0.135	0.63
Trip Generation in Vehicles								
Daily			2,128	217	106	257	580	2,708
Morning Peak Hour								
Inbound			264	27	13	32	72	336
Outbound			36	4	2	4	10	46
Total			300	31	15	36	82	382
Evening Peak Hour								
Inbound			35	4	2	4	10	45
Outbound			235	24	12	28	64	299
Total			270	28	14	32	74	344

Thus, the number of truck trips relied upon by the DEIR's mobile-source operational HRA is underestimated by 290 truck trips, when compared to the number of truck trips estimated by the TIA. As such, the emission rates utilized by DEIR's HRA are underestimated and inconsistent with the recommendations of the SCAQMD, as well as the DEIR's TIA.

F-8 cont'd

Second, the DEIR's qualitative claims regarding the Project's construction-related TAC emissions fail to provide substantial evidence that such emissions would be less-than-significant. Construction of the Project ***will*** produce emissions of diesel particulate matter ("DPM"), a human carcinogen, through the exhaust stacks of construction equipment over a construction period of approximately 755 days (Appendix B.2, p. 478, 515, 547). However, the DEIR's vague discussion of potential Project-generated TACs fails to indicate the concentrations at which such construction-related pollutants would trigger adverse health effects. Thus, without making a reasonable effort to connect the Project's construction-related TAC emissions to the potential health risks posed to nearby receptors, the DEIR is inconsistent with CEQA's requirement to correlate the increase in emissions generated by the Project with the potential adverse impacts on human health. As a result, the DEIR's less-than-significant health risk impact conclusion should not be relied upon.

F-9

Third, the Office of Environmental Health Hazard Assessment ("OEHHA"), the organization responsible for providing guidance on conducting HRAs in California, released its most recent *Risk Assessment Guidelines: Guidance Manual for Preparation of Health Risk Assessments* in February 2015.[13] This guidance document describes the types of projects that warrant the preparation of an HRA. The OEHHA document recommends that all short-term projects lasting at least two months be evaluated for cancer risks to nearby sensitive receptors.[14] As the Project's proposed 755-day construction duration vastly exceeds the 2-month requirement set forth by OEHHA, it is clear that the Project meets the threshold warranting a quantified construction-related HRA under OEHHA guidance. This recommendation reflects the most recent state health risk policies, and as such, we recommend that an analysis of health risk impacts posed to nearby sensitive receptors from Project construction be included in an updated EIR for the Project.

F-10

Fourth, while the DEIR includes an operational HRA, the DEIR fails to evaluate the cumulative lifetime cancer risk to nearby, existing receptors as a result of Project construction ***and*** operation together. According to OEHHA guidance, as referenced by the DEIR, "the excess cancer risk is calculated separately for each age grouping and then summed to yield cancer risk at the receptor location" (p. 3.2-12).[15] Here, however, the DEIR fails to conduct a construction-related ***and*** operational HRA, as well as sum each age bin to evaluate the total cancer risk over the course of Project construction and operation. This is incorrect and, thus, an updated EIR should be prepared, quantifying the Project's construction

F-11

[13] "Risk Assessment Guidelines Guidance Manual for Preparation of Health Risk Assessments." OEHHA, February 2015, *available at:* http://oehha.ca.gov/air/hot_spots/hotspots2015.html

[14] "Risk Assessment Guidelines Guidance Manual for Preparation of Health Risk Assessments." OEHHA, February 2015, *available at:* http://oehha.ca.gov/air/hot_spots/2015/2015GuidanceManual.pdf, p. 8-18

[15] "Guidance Manual for preparation of Health Risk Assessments." OEHHA, February 2015, *available at:* https://oehha.ca.gov/media/downloads/crnr/2015guidancemanual.pdf p. 8-4

and operational cancer risks and summing them to compare to the SCAQMD threshold 10 in one million.[16]

F-11 cont'd

Screening-Level Analysis Indicates a Potentially Significant Health Risk Impact

In order to conduct our screening-level risk analysis we relied upon AERSCREEN, which is a screening level air quality dispersion model.[17] The model replaced SCREEN3, and AERSCREEN is included in the OEHHA[18] and the California Air Pollution Control Officers Associated ("CAPCOA")[19] guidance as the appropriate air dispersion model for Level 2 health risk screening analyses ("HRSAs"). A Level 2 HRSA utilizes a limited amount of site-specific information to generate maximum reasonable downwind concentrations of air contaminants to which nearby sensitive receptors may be exposed. If an unacceptable air quality hazard is determined to be possible using AERSCREEN, a more refined modeling approach is required prior to approval of the Project.

We prepared a preliminary HRA of the Project's construction and operational health-related impact to residential sensitive receptors using the annual PM_{10} exhaust estimates from SWAPE's updated CalEEMod output files. In our updated model, we omitted the unsubstantiated changes to the CO_2 intensity factor and acres of grading values.

F-12

Consistent with recommendations set forth by OEHHA, we assumed residential exposure begins during the third trimester stage of life. SWAPE's updated CalEEMod model indicates that construction activities will generate approximately 457 pounds of DPM over the 755-day construction period. The AERSCREEN model relies on a continuous average emission rate to simulate maximum downward concentrations from point, area, and volume emission sources. To account for the variability in equipment usage and truck trips over Project construction, we calculated an average DPM emission rate by the following equation:

$$Emission\ Rate\ \left(\frac{grams}{second}\right) = \frac{457.0\ lbs}{755\ days} \times \frac{453.6\ grams}{lbs} \times \frac{1\ day}{24\ hours} \times \frac{1\ hour}{3{,}600\ seconds} = \mathbf{0.00317\ g/s}$$

Using this equation, we estimated a construction emission rate of 0.00317 grams per second ("g/s"). Subtracting the 755-day construction period from the total residential duration of 30 years, we assumed that after Project construction, the sensitive receptor would be exposed to the Project's operational DPM for an additional 27.9 years, approximately. The Project's operational CalEEMod emissions indicate that operational activities will generate approximately 153 pounds of DPM per year throughout

[16] "South Coast AQMD Air Quality Significance Thresholds." SCAQMD, April 2019, *available at:* http://www.aqmd.gov/docs/default-source/ceqa/handbook/scaqmd-air-quality-significance-thresholds.pdf.
[17] U.S. EPA (April 2011) AERSCREEN Released as the EPA Recommended Screening Model, http://www.epa.gov/ttn/scram/guidance/clarification/20110411_AERSCREEN_Release_Memo.pdf
[18] "Risk Assessment Guidelines Guidance Manual for Preparation of Health Risk Assessments." OEHHA, February 2015, *available at:* http://oehha.ca.gov/air/hot_spots/2015/2015GuidanceManual.pdf
[19] CAPCOA (July 2009) Health Risk Assessments for Proposed Land Use Projects, http://www.capcoa.org/wp-content/uploads/2012/03/CAPCOA_HRA_LU_Guidelines_8-6-09.pdf.

operation. Applying the same equation used to estimate the construction DPM rate, we estimated the following emission rate for Project operation:

$$Emission\ Rate\ \left(\frac{grams}{second}\right) = \frac{152.8\ lbs}{365\ days} \times \frac{453.6\ grams}{lbs} \times \frac{1\ day}{24\ hours} \times \frac{1\ hour}{3{,}600\ seconds} = \mathbf{0.0022\ g/s}$$

Using this equation, we estimated an operational emission rate of 0.0022 g/s. Construction and operational activity was simulated as a 26.05-acre rectangular area source in AERSCREEN with dimensions of 495 by 213 meters. A release height of three meters was selected to represent the height of exhaust stacks on operational equipment and other heavy-duty vehicles, and an initial vertical dimension of one and a half meters was used to simulate instantaneous plume dispersion upon release. An urban meteorological setting was selected with model-default inputs for wind speed and direction distribution.

The AERSCREEN model generates maximum reasonable estimates of single-hour DPM concentrations from the Project site. EPA guidance suggests that in screening procedures, the annualized average concentration of an air pollutant be estimated by multiplying the single-hour concentration by 10%.[20] According to the DEIR, "[t]he nearest existing sensitive receptors to the Project site are located approximately 75 feet to the east of the Project site" (p. 3.2-10). However, review of the AERSCREEN output files demonstrates that the *maximally exposed* individual resident ("MEIR") is located approximately 250 meters from the Project site. Thus, the single-hour concentration estimated by AERSCREEN for Project construction is approximately 1.908 µg/m^3 DPM at approximately 250 meters downwind. Multiplying this single-hour concentration by 10%, we get an annualized average concentration of 0.1908 µg/m^3 for Project construction at the MEIR. For Project operation, the single-hour concentration estimated by AERSCREEN is 1.32 µg/m^3 DPM at approximately 250 meters downwind. Multiplying this single-hour concentration by 10%, we get an annualized average concentration of 0.132 µg/m^3 for Project operation at the MEIR. F-12 cont'd

We calculated the excess cancer risk to the MEIR using applicable HRA methodologies prescribed by OEHHA. Consistent with the 755-day construction schedule included in the Project's CalEEMod output files, the annualized average concentration for Project construction was used for the entire third trimester of pregnancy (0.25 years) and the first 1.82 years of the infantile stage of life (0 – 2 years); and the annualized averaged concentration for operation was used for the remainder of the 30-year exposure period, which makes up the remaining 0.18 years of the infantile stage of life, the entire child stage of life (2 – 16 years), and the entire the adult stage of life (16 – 30 years).

Consistent with OEHHA guidance and recommended by the SCAQMD, BAAQMD, and SJVAPCD guidance, we used Age Sensitivity Factors ("ASF") to account for the heightened susceptibility of young children to

[20] "Screening Procedures for Estimating the Air Quality Impact of Stationary Sources Revised." EPA, 1992, *available at*: http://www.epa.gov/ttn/scram/guidance/guide/EPA-454R-92-019_OCR.pdf; *see also* "Risk Assessment Guidelines Guidance Manual for Preparation of Health Risk Assessments." OEHHA, February 2015, *available at:* https://oehha.ca.gov/media/downloads/crnr/2015guidancemanual.pdf p. 4-36.

the carcinogenic toxicity of air pollution.[21, 22, 23] According to this guidance, the quantified cancer risk should be multiplied by a factor of ten during the third trimester of pregnancy and during the first two years of life (infant) as well as multiplied by a factor of three during the child stage of life (2 – 16 years). We also included the quantified cancer risk without adjusting for the heightened susceptibility of young children to the carcinogenic toxicity of air pollution in accordance with older OEHHA guidance from 2003. This guidance utilizes a less health protective scenario than what is currently recommended by SCAQMD, the air quality district with jurisdiction over the City, and several other air districts in the state. Furthermore, in accordance with the guidance set forth by OEHHA, we used the 95th percentile breathing rates for infants.[24] Finally, according to SCAQMD guidance, we used a Fraction of Time At Home ("FAH") Value of 1 for the 3rd trimester and infant receptors.[25] We used a cancer potency factor of 1.1 (mg/kg-day)$^{-1}$ and an averaging time of 25,550 days. The results of our calculations are shown below.

F-12 cont'd

[21] "Draft Environmental Impact Report (DEIR) for the Proposed The Exchange (SCH No. 2018071058)." SCAQMD, March 2019, *available at:* http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2019/march/RVC190115-03.pdf?sfvrsn=8, p. 4.

[22] "California Environmental Quality Act Air Quality Guidelines." BAAQMD, May 2017, *available at:* http://www.baaqmd.gov/~/media/files/planning-and-research/ceqa/ceqa_guidelines_may2017-pdf.pdf?la=en, p. 56; see also "Recommended Methods for Screening and Modeling Local Risks and Hazards." BAAQMD, May 2011, *available at:* http://www.baaqmd.gov/~/media/Files/Planning%20and%20Research/CEQA/BAAQMD%20Modeling%20Approach.ashx, p. 65, 86.

[23] "Update to District's Risk Management Policy to Address OEHHA's Revised Risk Assessment Guidance Document." SJVAPCD, May 2015, *available at:* https://www.valleyair.org/busind/pto/staff-report-5-28-15.pdf, p. 8, 20, 24.

[24] "Supplemental Guidelines for Preparing Risk Assessments for the Air Toxics 'Hot Spots' Information and Assessment Act," July 2018, *available at:* http://www.aqmd.gov/docs/default-source/planning/risk-assessment/ab2588supplementalguidelines.pdf, p. 16.
"Risk Assessment Guidelines Guidance Manual for Preparation of Health Risk Assessments." OEHHA, February 2015, *available at:* https://oehha.ca.gov/media/downloads/crnr/2015guidancemanual.pdf

[25] "Risk Assessment Procedures for Rules 1401, 1401.1, and 212." SCAQMD, August 2017, *available at:* http://www.aqmd.gov/docs/default-source/rule-book/Proposed-Rules/1401/riskassessmentprocedures_2017_080717.pdf, p. 7.

The Maximum Exposed Individual at an Existing Residential Receptor (MEIR)

Activity	Duration (years)	Concentration (ug/m3)	Breathing Rate (L/kg-day)	Cancer Risk without ASFs*	ASF	Cancer Risk with ASFs*
Construction	0.25	0.1908	361	2.6E-07	10	2.6E-06
3rd Trimester Duration	***0.25***			***2.6E-07***	***3rd Trimester Exposure***	***2.6E-06***
Construction	1.82	0.1908	1090	5.7E-06	10	5.7E-05
Operation	0.18	0.132	1090	3.9E-07	10	3.9E-06
Infant Exposure Duration	***2.00***			***6.1E-06***	***Infant Exposure***	***6.1E-05***
Operation	14.00	0.132	572	1.6E-05	3	4.8E-05
Child Exposure Duration	***14.00***			***1.6E-05***	***Child Exposure***	***4.8E-05***
Operation	14.00	0.132	261	5.3E-06	1	5.3E-06
Adult Exposure Duration	***14.00***			***5.3E-06***	***Adult Exposure***	***5.3E-06***
Lifetime Exposure Duration	**30.00**			**2.8E-05**	**Lifetime Exposure**	**1.2E-04**

* We, along with CARB and SCAQMD, recommend using the more updated and health protective 2015 OEHHA guidance, which includes ASFs.

F-12 cont'd

As demonstrated in the table above, the excess cancer risk to adults, children, infants, and during the 3rd trimester of pregnancy at the MEIR located approximately 250 meters away, over the course of Project construction and operation, utilizing ASFs, are approximately 5.3, 48, 61, and 2.6 in one million, respectively. The excess cancer risk over the course of a residential lifetime (30 years), utilizing ASFs, is approximately 120 in one million. The infant, child, and lifetime cancer risks exceed the SCAQMD threshold of 10 in one million, thus resulting in a potentially significant impact not previously addressed or identified by the DEIR.

Utilizing ASFs is the most conservative, health-protective analysis according to the most recent guidance by OEHHA and reflects recommendations from the air district. Results without ASFs are presented in the table above, although we **do not** recommend utilizing these values for health risk analysis. Regardless, the excess cancer risk to adults, children, infants, and during the 3rd trimester of pregnancy at the MEIR located approximately 250 meters away, over the course of Project construction and operation, without ASFs, are approximately 5.3, 16, 6.1, and 0.26 in one million, respectively. The excess cancer risk over the course of a residential lifetime (30 years), without ASFs, is approximately 28 in one million. The child and lifetime cancer risk, without ASFs, exceed the SCAQMD threshold of 10 in one million, thus resulting in a potentially significant impact not previously addressed or identified by the DEIR. While we recommend the use of ASFs, the Project's cancer risk without ASFs, as estimated by SWAPE, nonetheless exceeds the SCAQMD threshold, resulting in a potentially significant health risk impact that the DEIR fails to disclose.

An agency should include an analysis of health risks that connects the Project's air emissions with the health risk posed by those emissions. Our analysis represents a screening-level HRA, which is known to be conservative and tends to err on the side of health protection.[26] The purpose of the screening-level construction and operational HRA shown above is to demonstrate the link between the proposed Project's emissions and the potential health risk. Our screening-level HRA demonstrates that construction and operation of the Project could result in a potentially significant health risk impact, when correct exposure assumptions and up-to-date, applicable guidance are used. Therefore, since our screening-level HRA indicates a potentially significant impact, the City should prepare an updated EIR with an HRA which makes a reasonable effort to connect the Project's air quality emissions and the potential health risks posed to nearby receptors. Thus, the City should prepare an updated, quantified air pollution model as well as an updated, quantified refined health risk analysis which adequately and accurately evaluates health risk impacts associated with both Project construction and operation.

F-12 cont'd

Greenhouse Gas

Failure to Adequately Evaluate Greenhouse Gas Impacts

The DEIR estimates that the Project would generate net annual greenhouse gas ("GHG") emissions of 9,800.1 metric tons of carbon dioxide equivalents per year ("MT CO_2e/year"), which would not exceed the SCAQMD bright-line threshold of 10,000 MT CO_2e/year (see excerpt below) (p. 3.4-28, Table 3.4-2).

TABLE 3.4-2: OPERATIONAL GHG EMISSIONS AT BUILDOUT (METRIC TONS/YEAR)

EMISSIONS SOURCE	*TOTAL CO_2*
Construction Emissions (amortized over the 30-year life of the Project)	94.4
Area Source	<0.1
Energy	2,039.1
Mobile	6,747.9
Solid Waste	340.4
Water	578.3
Total Emissions	**9,800.1**

NOTE: TOTALS MAY NOT ADD UP DUE TO ROUNDING.
SOURCE: CALEEMOD (V.2016.3.2)

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Furthermore, the DEIR relies upon the Project's consistency with SCAG's 2016-2040 *RTP/SCS* in order to conclude that the Project would result in a less-than-significant GHG impact (p. 3.4-30). However, the DEIR's GHG analysis, as well as the subsequent less-than-significant impact conclusion, is incorrect for six reasons.

F-14

(1) The DEIR's quantitative GHG analysis relies upon an incorrect and unsubstantiated air model;
(2) The DEIR fails to identify a potentially significant GHG impact;

[26] "Risk Assessment Guidelines Guidance Manual for Preparation of Health Risk Assessments." OEHHA, February 2015, *available at:* https://oehha.ca.gov/media/downloads/crnr/2015guidancemanual.pdf, p. 1-5

(3) SWAPE's updated analysis indicates a potentially significant GHG impact;
(4) The DEIR incorrectly relies upon SCAG's outdated *RTP/SCS*; and
(5) The DEIR fails to consider the performance-based standards under SCAG's 2020-2045 *RTP/SCS*.

F-14 cont'd

(1) Incorrect and Unsubstantiated Quantitative Analysis of Emissions

As previously stated, the DEIR estimates that the Project would generate net annual GHG emissions of 9,800.1 MT CO_2e/year (p. 3.4-28, Table 3.4-2). However, the DEIR's GHG analysis is unsubstantiated, as it relies upon a flawed air model. As previously discussed, when we reviewed the Project's CalEEMod output files, provided in the CalEEMod Modeling Results as Appendix B.2 to the DEIR's Appendices, we found that several of the values inputted into the model are not consistent with information disclosed in the DEIR. As a result, the model underestimates the Project's emissions, and the DEIR's quantitative GHG analysis should not be relied upon to determine Project significance. An updated EIR should be prepared that adequately assesses the potential GHG impacts that construction and operation of the proposed Project may have on the surrounding environment.

F-15

(2) Failure to Identify a Potentially Significant GHG Impact

As previously discussed, the DEIR concludes that the Project's net annual GHG emissions would not exceed the SCAQMD significance threshold of 10,000 MT CO_2e/year (p. 3.4-28, Table 3.4-2). However, we recommend that the Project apply the AEP's "2030 Land Use Efficiency Threshold" of 2.6 metric tons of CO_2 equivalents per service population per year ("MT CO_2e/SP/year").[27] In support of this threshold for projects with a horizon year beyond 2020, AEP's guidance *states*:

> "Once the state has a full plan for 2030 (which is expected in 2017), and then *a project with a horizon between 2021 and 2030 should be evaluated based on a threshold using the 2030 target*. A more conservative approach would be to apply a 2030 threshold *based on SB 32* for any project with a horizon between 2021 and 2030 regardless of the status of the Scoping Plan Update" (emphasis added).[28]

F-16

As the California Air Resources Board ("CARB") adopted *California's 2017 Climate Change Scoping Plan* in November of 2017, the proposed Project "should be evaluated based on a threshold using the 2030 target," according to the relevant guidance referenced above. As such, when applying the widely-used "2030 Land Use Efficiency Threshold" of 2.6 MT CO_2e/SP/year, the DEIR's incorrect and unsubstantiated air model indicates a potentially significant GHG impact. As previously stated, the DEIR estimates that the Project would generate net annual GHG emissions of 9,800.1 MT CO_2e/year (p. 3.4-28, Table 3.4-2). Furthermore, according to CAPCOA's *CEQA & Climate Change* report, service population is defined as "the sum of the number of residents and the number of jobs supported by the project."[29] The DEIR

[27] "Beyond Newhall and 2020: A Field Guide to New CEQA Greenhouse Gas Thresholds and Climate Action Plan Targets for California." Association of Environmental Professionals (AEP), October 2016, *available at:* https://califaep.org/docs/AEP-2016_Final_White_Paper.pdf, p. 40.
[28] "Beyond Newhall and 2020: A Field Guide to New CEQA Greenhouse Gas Thresholds and Climate Action Plan Targets for California." Association of Environmental Professionals (AEP), October 2016, *available at:* https://califaep.org/docs/AEP-2016_Final_White_Paper.pdf, p. 40.
[29] CAPCOA (Jan. 2008) CEQA & Climate Change, p. 71-72, http://www.capcoa.org/wp-content/uploads/2012/03/CAPCOA-White-Paper.pdf.

estimates that the Project would employ 15 to 250 people upon buildout (p. 3.6-6). As the Project does not propose any residential land uses, we estimate a service population of 250 people.[30] Dividing the Project's GHG emissions, as estimated by the DEIR, by a service population value of 250 people, we find that the Project would emit approximately 39.2 MT CO_2e/SP/year (see table below).[31]

DEIR Service Population Efficiency	
Project Phase	**Proposed Project (MT CO_2e/year)**
Total	**9,800.1**
Service Population	250
Service Population Efficiency	**39.2**
Threshold	2.6
Exceed?	***Yes***

F-16 cont'd

When we compare the Project's service population efficiency value, based on the DEIR's modeling, GHG exceeds the AEP's "2030 Land Use Efficiency Threshold" of 2.6 MT CO_2e/SP/year, even when utilizing the Project's *maximum* estimated service population. Thus, we find that the Project would result in a significant GHG impact not previously identified or addressed by the DEIR. Therefore, an updated EIR should be prepared and recirculated for the Project, and mitigation should be implemented where necessary.

(3) Updated Analysis Indicates a Potentially Significant GHG Impact

When applying the AEP's "2030 Land Use Efficiency Threshold" of 2.6 MT CO_2e/SP/year, as well as the SCAQMD bright-line threshold of 10,000 MT CO_2e/year, SWAPE's updated modeling demonstrates a potentially significant GHG impact not previously identified or mitigated by the DEIR. The updated CalEEMod output files, modeled by SWAPE with Project-specific information, disclose the Project's mitigated emissions, which include approximately 2,831.45 MT CO_2e of total construction emissions (sum of 2021, 2022, and 2023) and approximately 10,317.73 MT CO_2e/year of net annual operational emissions (sum of area-, energy-, mobile-, waste, and water-related emissions). When amortizing the Project's construction-related GHG emissions over a period of 30 years and summing them with the Project's operational GHG emissions, we estimate net annual GHG emissions of 10,412.12 MT CO_2e/year. As previously discussed, we estimate a service population of 250 people. When dividing the Project's GHG emissions (amortized construction + operational) by a service population value of 250 people, we find that the Project would emit approximately 41.6 MT CO_2e/SP/year (see table below).[32]

F-17

[30] Calculated: 250 employees + 0 residents = 250 service population.
[31] Calculated: (9,800.1 MT CO_2e/year) / (250 service population) = (39.2 MT CO_2e/SP/year).
[32] Calculated: (10,412.12 MT CO_2e/year) / (250 service population) = (41.6 MT CO_2e/SP/year).

SWAPE Greenhouse Gas Emissions	
Project Phase	**Proposed Project (MT CO_2e/year)**
Construction (amortized over 30 years)	94.38
Area	0.01
Energy	2521.15
Mobile	6747.94
Waste	340.43
Water	708.20
Net Annual GHG Emissions	**10,412.12**
Threshold	10,000
Exceed?	***Yes***
Service Population	250
Service Population Efficiency	**41.6**
Threshold	2.6
Exceed?	***Yes***

F-17 cont'd

As demonstrated above, the Project's net annual GHG emissions and service population efficiency value, as estimated by SWAPE, exceed the AEP's "2030 Land Use Efficiency Threshold" of 2.6 MT CO_2e/SP/year, as well as the SCAQMD bright-line threshold of 10,000 MT CO_2e/SP/year, respectively, thus resulting in a potentially significant impact not previously mitigated in the DEIR. As such, an updated GHG analysis should be prepared in an updated EIR and additional mitigation should be incorporated accordingly, per CEQA Guidelines.

(4) Incorrect Reliance Upon SCAG's Outdated RTP/SCS

As previously discussed, the DEIR concludes that the Project would be consistent with SCAG's 2016-2040 *RTP/SCS*. However, in September 2020 SCAG adopted the more recent 2020-2045 *RTP/SCS*.[33] Thus, the DEIR should have relied upon the current 2020-2045 *RTP/SCS*, and the DEIR's less-than-significant impact conclusion regarding the outdated 2016-2040 *RTP/SCS* should not be relied upon.

F-18

(5) Failure to Consider Performance-based Standards under SCAG's RTP/SCS

Here, as discussed above, the DEIR concludes that the Project would be consistent with SCAG's *RTP/SCS*. However, the DEIR fails to consider whether or not the Project meets any of the specific performance-based goals underlying SCAG's *RTP/SCS* and SB 375, such as: i) per capita GHG emission targets, or ii) daily vehicles miles traveled ("VMT") per capita benchmarks.

F-19

i. SB 375 Per Capita GHG Emission Goals

SB 375 was signed into law in September 2008 to enhance the state's ability to reach AB 32 goals by directing CARB to develop regional 2020 and 2035 GHG emission reduction targets for passenger vehicles (autos and light-duty trucks). In March 2018, CARB adopted updated regional targets requiring a

[33] "ADOPTED FINAL CONNECT SOCAL." SCAG, *available at:* https://scag.ca.gov/read-plan-adopted-final-plan.

19 percent decrease in VMT for the SCAG region by 2035. This goal is reflected in SCAG's 2020 RTP/SCS Program Environmental Impact Report ("PEIR"),[34] in which the 2020 RTP/SCS PEIR updates the per capita emissions to 21.3 lbs/day in 2020 and 18.8 lbs/day in 2035 (*see* excerpt below).[35]

Table 3.8-10
SB 375 Analysis

	2005 (Baseline)	2020 (Plan)	2035 (Plan)
Resident population (per 1,000)	17,161	19,194	21,110
CO2 emissions (per 1,000 tons)	204.0/a/	204.5/b/	198.6/b/
Per capita emissions (pounds/day)	23.8	21.3	18.8
% difference from Plan (2020) to Baseline (2005)			–8%
% difference from Plan (2035) to Baseline (2005)			–19%/c/

Note:
/a/ Based on EMFAC2007
/b/Based on EMFAC2014 and SCAG modeling, 2019.
/c/ Includes off-model adjustments for 2035 and 2045
Source: SCAG modeling, 2019.
http://www.scag.ca.gov/committees/CommitteeDocLibrary/jointRCPC110515fullagn.pdf

F-19 cont'd

In order to evaluate consistency with this SB 375 objective and SCAG's *RTP/SCS* performance-based goals, SWAPE calculated the Project's per-capita CO_2 emissions from passenger and light duty vehicles (calculations attached hereto as Attachment B). First, total annual GHG mobile emissions were multiplied by the percentage of auto and light-duty truck fleet mix, then converted into total pounds per day, then divided by the estimated service population of 250. The below table shows the per capita emissions for the Project based on the DEIR's modeling (see table below and Attachment B).

[34] "Connect SoCal Certified Final Program Environmental Impact Report." SCAG, May 2020, *available at*: https://scag.ca.gov/sites/main/files/file-attachments/fpeir_connectsocal_complete.pdf?1607981618.
[35] "Connect SoCal Certified Final Program Environmental Impact Report." SCAG, May 2020, *available at*: https://scag.ca.gov/sites/main/files/file-attachments/fpeir_connectsocal_complete.pdf?1607981618, p. 3.8-74.

CO_2e Per Capita Emissions from Passenger & Light-Duty Trucks, Exceedances under RTP/SCS Performance-Based SB 375 Goals	
Sources	**Project**
	DEIR Modeling
Annual Mobile Emissions (MT CO_2e/year)	6,747.94
Passenger & Light-Duty Fleet Mix (%)	78.60%
Daily CO_2e Emissions (lbs/day)	32,035.75
Service Population	250
Per Capita Emissions (lbs/day)	**128.14**
21.3 lbs/day/SP (2020 Goal) Exceeded?	**Yes**
18.8 lbs/day/SP (2035 Goal) Exceeded?	**Yes**

F-19 cont'd

As shown in the above table, when utilizing the DEIR's modeling, the Project would result in 128.14 pounds per day per service population ("lbs/day/SP") emissions. This exceeds both SCAG's 2020 and 2035 targets of 21.3- and 18.8-lbs/day/SP, respectively, indicating that the Project is inconsistent with SB 375 and SCAG's *RTP/SCS*.

i. SB 375 RTP/SCS Daily VMT Per Capita Target

Under the SCAG's 2020 *RTP/SCS*, daily VMT per capita in the SCAG region should decrease from 23.2 VMT in 2016 to 20.7 VMT by 2045.[36] Daily VMT per capita in Los Angeles County should decrease from 22.2 to 19.2 VMT during that same period.[37]

Here, however, the DEIR fails to consider any of the above-mentioned performance-based VMT targets. In order to evaluate consistency with the *RTP/SCS*'s performance-based VMT reduction targets, SWAPE calculated the Project's VMT from passenger and light duty vehicles (calculations attached hereto as Attachment B). First, annual VMTs from passenger automobile and light-duty vehicle were calculated based on the CalEEMod default fleet mix, converted into daily VMT, and divided by the estimated service population of 250. The below table shows the daily VMT per capita for the Project based on the DEIR's modeling (see table below and Attachment B).

F-20

[36] "Connect SoCal." SCAG, September 2020, *available at*: https://scag.ca.gov/sites/main/files/file-attachments/0903fconnectsocal-plan_0.pdf?1606001176, pp. 138.
[37] "Connect SoCal." SCAG, September 2020, *available at*: https://scag.ca.gov/sites/main/files/file-attachments/0903fconnectsocal-plan_0.pdf?1606001176, pp. 138.

Daily VMT Per Capita from Passenger & Light-Duty Trucks, Exceedances under RTP/SCS Performance-Based SB 375 Target	
Sources	**Project DEIR Modeling**
Annual VMT from Auto & Light-Duty Vehicles	9,421,604
Daily VMT from Auto & Light-Duty Vehicles	25,813
Service Population	250
Daily VMT Per Capita	103.25
2020 RTP/SCS Benchmarks, SCAG-Wide	
23.2 VMT (2016 Baseline) Exceed?	**Yes**
20.7 VMT (2045 Target) Exceed?	**Yes**
2020 RTP/SCS Benchmarks, Los Angeles County	
22.2 VMT (2016 Baseline) Exceed?	**Yes**
19.2 VMT (2045 Target) Exceed?	**Yes**

F-20 cont'd

As shown in the above table, based on a service population of 250, the Project would result in 103.25 VMT per capita from passenger auto and light-duty truck vehicles. This exceeds all SCAG-wide and Los Angeles County specific benchmarks and targets under SCAG's 2020 *RTP/SCS*. Thus, based on the DEIR's modeling, the Project would exceed the 2016 baseline and 2045 target VMT per capita values for both Los Angeles County and the SCAG region as a whole, indicating that the Project conflicts with the SCAG's *RTP/SCS* and SB 375.

Feasible Mitigation Measures Available to Reduce Emissions

Our analysis demonstrates that the Project's air quality, health risk, and GHG emissions may result in significant impacts and should be mitigated further. In an effort to reduce the Project's emissions, we identified several mitigation measures that are applicable to the proposed Project. Feasible mitigation measures can be found in the Department of Justice Warehouse Project Best Practices document.[38] Therefore, to reduce the Project's emissions, consideration of the following measures should be made:

- Requiring off-road construction equipment to be zero-emission, where available, and all diesel-fueled off-road construction equipment, to be equipped with CARB Tier IV-compliant engines or better, and including this requirement in applicable bid documents, purchase orders, and contracts, with successful contractors demonstrating the ability to supply the compliant construction equipment for use prior to any ground-disturbing and construction activities. F-21
- Prohibiting off-road diesel-powered equipment from being in the "on" position for more than 10 hours per day.
- Requiring on-road heavy-duty haul trucks to be model year 2010 or newer if diesel-fueled.

[38] "Warehouse Projects: Best Practices and Mitigation Measures to Comply with the California Environmental Quality Act." State of California Department of Justice.

- Providing electrical hook ups to the power grid, rather than use of diesel-fueled generators, for electric construction tools, such as saws, drills and compressors, and using electric tools whenever feasible.
- Limiting the amount of daily grading disturbance area.
- Prohibiting grading on days with an Air Quality Index forecast of greater than 100 for particulates or ozone for the project area.
- Forbidding idling of heavy equipment for more than two minutes.
- Keeping onsite and furnishing to the lead agency or other regulators upon request, all equipment maintenance records and data sheets, including design specifications and emission control tier classifications.
- Conducting an on-site inspection to verify compliance with construction mitigation and to identify other opportunities to further reduce construction impacts.
- Using paints, architectural coatings, and industrial maintenance coatings that have volatile organic compound levels of less than 10 g/L.
- Providing information on transit and ridesharing programs and services to construction employees.
- Providing meal options onsite or shuttles between the facility and nearby meal destinations for construction employees.
- Requiring that all facility-owned and operated fleet equipment with a gross vehicle weight rating greater than 14,000 pounds accessing the site meet or exceed 2010 model-year emissions equivalent engine standards as currently defined in California Code of Regulations Title 13, Division 3, Chapter 1, Article 4.5, Section 2025. Facility operators shall maintain records on-site demonstrating compliance with this requirement and shall make records available for inspection by the local jurisdiction, air district, and state upon request.
- Requiring all heavy-duty vehicles entering or operated on the project site to be zero-emission beginning in 2030.
- Requiring on-site equipment, such as forklifts and yard trucks, to be electric with the necessary electrical charging stations provided.
- Requiring tenants to use zero-emission light- and medium-duty vehicles as part of business operations.
- Forbidding trucks from idling for more than two minutes and requiring operators to turn off engines when not in use.
- Posting both interior- and exterior-facing signs, including signs directed at all dock and delivery areas, identifying idling restrictions and contact information to report violations to CARB, the air district, and the building manager.

Furthermore, feasible mitigation measures can be found in CAPCOA's *Quantifying Greenhouse Gas Mitigation Measures*.[39]

F-21 cont'd

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

CAPCOA's *Quantifying Greenhouse Gas Mitigation Measures*[40]
Measures – Energy
Building Energy Use
Exceed Title-24 Building Envelope Energy Efficiency Standards (California Building Standards Code)
Install Programmable Thermostat Timers
Install Energy Efficient Appliances
Install Energy Efficient Boilers
Lighting
Install Higher Efficacy Public Street and Area Lighting
Limit Outdoor Lighting Requirements
Replace Traffic Lights with LED Traffic Lights
Alternative Energy Generation
Establish Onsite Renewable or Carbon-Neutral Energy Systems
Establish Onsite Renewable Energy System – Wind Power
Utilize a Combined Heat and Power System
Measures – Transportation
Land Use/Location
Increase Density
Increase Location Efficiency
Increase Diversity of Urban and Suburban Developments (Mixed Use)
Increase Destination Accessibility
Increase Transit Accessibility
Integrate Affordable and Below Market Rate Housing
Orient Project Toward Non-Auto Corridor
Locate Project near Bike Path/Bike Lane
Neighborhood/Site Enhancements
Provide Pedestrian Network Improvements, such as: • Compact, mixed-use communities • Interconnected street network • Narrower roadways and shorter block lengths • Sidewalks • Accessibility to transit and transit shelters • Traffic calming measures and street trees

F-21 cont'd

[40] "Quantifying Greenhouse Gas Mitigation Measures." California Air Pollution Control Officers Association (CAPCOA), August 2010, *available at:* http://www.capcoa.org/wp-content/uploads/2010/11/CAPCOA-Quantification-Report-9-14-Final.pdf, p.

• Parks and public spaces • Minimize pedestrian barriers
Provide Traffic Calming Measures, such as: • Marked crosswalks • Count-down signal timers • Curb extensions • Speed tables • Raised crosswalks • Raised intersections • Median islands • Tight corner radii • Roundabouts or mini-circles • On-street parking • Planter strips with trees • Chicanes/chokers
Implement a Neighborhood Electric Vehicle (NEV) Network.
Create Urban Non-Motorized Zones
Incorporate Bike Lane Street Design (on-site)
Provide Bike Parking in Non-Residential Projects
Dedicate Land for Bike Trails
Parking Policy/Pricing
Limit Parking Supply through: • Elimination (or reduction) of minimum parking requirements • Creation of maximum parking requirements • Provision of shared parking
Unbundle Parking Costs from Property Cost
Implement Market Price Public Parking (On-Street)
Commute Trip Reduction Programs
Implement Commute Trip Reduction (CTR) Program – Voluntary • Carpooling encouragement • Ride-matching assistance • Preferential carpool parking • Flexible work schedules for carpools • Half time transportation coordinator • Vanpool assistance • Bicycle end-trip facilities (parking, showers and lockers) • New employee orientation of trip reduction and alternative mode options • Event promotions and publications • Flexible work schedule for employees • Transit subsidies • Parking cash-out or priced parking • Shuttles

F-21 cont'd

• Emergency ride home
Implement Commute Trip Reduction (CTR) Program – Required Implementation/Monitoring • Established performance standards (e.g. trip reduction requirements) • Required implementation • Regular monitoring and reporting
Provide Ride-Sharing Programs • Designate a certain percentage of parking spaces for ride sharing vehicles • Designating adequate passenger loading and unloading and waiting areas for ride-sharing vehicles • Providing a web site or messaging board for coordinating rides • Permanent transportation management association membership and funding requirement.
Implement Subsidized or Discounted Transit Program
Provide Ent of Trip Facilities, including: • Showers • Secure bicycle lockers • Changing spaces
Encourage Telecommuting and Alternative Work Schedules, such as: • Staggered starting times • Flexible schedules • Compressed work weeks
Implement Commute Trip Reduction Marketing, such as: • New employee orientation of trip reduction and alternative mode options • Event promotions • Publications
Implement Car-Sharing Program
Provide Employer-Sponsored Vanpool/Shuttle
Implement Bike-Sharing Programs
Price Workplace Parking, such as: • Explicitly charging for parking for its employees; • Implementing above market rate pricing; • Validating parking only for invited guests; • Not providing employee parking and transportation allowances; and • Educating employees about available alternatives.
Implement Employee Parking "Cash-Out"
Transit System Improvements
Transit System Improvements, including: • Grade-separated right-of-way, including bus only lanes (for buses, emergency vehicles, and sometimes taxis), and other Transit Priority measures. Some systems use guideways which automatically steer the bus on portions of the route. • Frequent, high-capacity service • High-quality vehicles that are easy to board, quiet, clean, and comfortable to ride. • Pre-paid fare collection to minimize boarding delays. • Integrated fare systems, allowing free or discounted transfers between routes and modes.

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• Convenient user information and marketing programs. • High quality bus stations with Transit Oriented Development in nearby areas. • Modal integration, with BRT service coordinated with walking and cycling facilities, taxi services, intercity bus, rail transit, and other transportation services.
Implement Transit Access Improvements, such as: • Sidewalk/crosswalk safety enhancements • Bus shelter improvements
Expand Transit Network
Increase Transit Service Frequency/Speed
Provide Bike Parking Near Transit
Provide Local Shuttles
Road Pricing/Management
Implement Area or Cordon Pricing
Improve Traffic Flow, such as: • Signalization improvements to reduce delay; • Incident management to increase response time to breakdowns and collisions; • Intelligent Transportation Systems (ITS) to provide real-time information regarding road conditions and directions; and • Speed management to reduce high free-flow speeds.
Required Project Contributions to Transportation Infrastructure Improvement Projects
Install Park-and-Ride Lots
Measures – Water
Water Supply
Use Reclaimed Water
Use Gray Water
Use Locally Sourced Water Supply
Water Use
Install Low-Flow Water Fixtures
Adopt a Water Conservation strategy
Design Water-Efficient Landscapes (see California Department of Water Resources Model Water Efficient Landscape Ordinance), such as: • Reducing lawn sizes; • Planting vegetation with minimal water needs, such as native species; • Choosing vegetation appropriate for the climate of the project site; • Choosing complimentary plants with similar water needs or which can provide each other with shade and/or water.
Use Water-Efficient Landscape Irrigation Systems ("Smart" irrigation control systems)
Reduce Turf in Landscapes and Lawns

F-21 cont'd

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Plant Native or Drought-Resistant Trees and Vegetation
Measures – Area Landscaping
Landscaping Equipment
Prohibit Gas Powered Landscape Equipment
Implement Lawnmower Exchange Program
Measures – Solid Waste
Solid Waste
Institute Recycling and Composting Services
Recycle Demolished Construction Material
Measures – Vegetation
Vegetation
Create New Vegetated Open Space
Measures – Construction
Construction
Use Electric and Hybrid Construction Equipment
Institute a Heavy-Duty Off-Road Vehicle Plan, including: • Construction vehicle inventory tracking system; • Requiring hour meters on equipment; • Document the serial number, horsepower, manufacture age, fuel, etc. of all onsite equipment; and • Daily logging of the operating hours of the equipment.
Implement a Construction Vehicle Inventory Tracking System
Measures – Miscellaneous
Miscellaneous
Establish a Carbon Sequestration Project, such as: • Geologic sequestration or carbon capture and storage techniques, in which CO_2 from point sources is captured and injected underground; • Terrestrial sequestration in which ecosystems are established or preserved to serve as CO_2 sinks; • Novel techniques involving advanced chemical or biological pathways; or • Technologies yet to be discovered.
Establish Off-Site Mitigation
Use Local and Sustainable Building Materials
Require Environmentally Responsible Purchasing, such as: • Purchasing products with sustainable packaging; • Purchasing post-consumer recycled copier paper, paper towels, and stationary; • Purchasing and stocking communal kitchens with reusable dishes and utensils; • Choosing sustainable cleaning supplies; • Leasing equipment from manufacturers who will recycle the components at their end of life; • Choosing ENERGY STAR appliances and Water Sense-certified water fixtures; • Choosing electronic appliances with built in sleep-mode timers;

F-21 cont'd

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• Purchasing 'green power' (e.g. electricity generated from renewable or hydropower) from the utility; and • Choosing locally-made and distributed products.
Implement an Innovative Strategy for GHG Mitigation

F-21 cont'd

Furthermore, in an effort to reduce the Project's emissions, we identified several mitigation measures that are applicable to the proposed Project from NEDC's *Diesel Emission Controls in Construction Projects.*[41] Therefore, to reduce the Project's emissions, consideration of the following measures should be made:

NEDC's *Diesel Emission Controls in Construction Projects*[42]
Measures – Diesel Emission Control Technology
a. Diesel Onroad Vehicles All diesel nonroad vehicles on site for more than 10 total days must have either (1) engines that meet EPA onroad emissions standards or (2) emission control technology verified by EPA or CARB to reduce PM emissions by a minimum of 85%.
b. Diesel Generators All diesel generators on site for more than 10 total days must be equipped with emission control technology verified by EPA or CARB to reduce PM emissions by a minimum of 85%.
c. Diesel Nonroad Construction Equipment i. All nonroad diesel engines on site must be Tier 2 or higher. Tier 0 and Tier 1 engines are not allowed on site ii. All diesel nonroad construction equipment on site for more than 10 total days must have either (1) engines meeting EPA Tier 4 nonroad emission standards or (2) emission control technology verified by EPA or CARB for use with nonroad engines to reduce PM emissions by a minimum of 85% for engines 50hp and greater and by a minimum of 20% for engines less than 50hp.
d. Upon confirming that the diesel vehicle, construction equipment, or generator has either an engine meeting Tier 4 non road emission standards or emission control technology, as specified above, installed and functioning, the developer will issue a compliance sticker. All diesel vehicles, construction equipment, and generators on site shall display the compliance sticker in a visible, external location as designated by the developer.
e. Emission control technology shall be operated, maintained, and serviced as recommended by the emission control technology manufacturer.
Measures – Additional Diesel Requirements
a. Construction shall not proceed until the contractor submits a certified list of all diesel vehicles, construction equipment, and generators to be used on site. The list shall include the following:

F-22

[41] "Diesel Emission Controls in Construction Projects." Northeast Diesel Collaborative (NEDC), December 2010, *available at:* https://www.epa.gov/sites/production/files/2015-09/documents/nedc-model-contract-sepcification.pdf.

[42] "Diesel Emission Controls in Construction Projects." Northeast Diesel Collaborative (NEDC), December 2010, *available at:* https://www.epa.gov/sites/production/files/2015-09/documents/nedc-model-contract-sepcification.pdf.

i. Contractor and subcontractor name and address, plus contact person responsible for the vehicles or equipment. ii. Equipment type, equipment manufacturer, equipment serial number, engine manufacturer, engine model year, engine certification (Tier rating), horsepower, engine serial number, and expected fuel usage and hours of operation. iii. For the emission control technology installed: technology type, serial number, make, model, manufacturer, EPA/CARB verification number/level, and installation date and hour-meter reading on installation date.
b. If the contractor subsequently needs to bring on site equipment not on the list, the contractor shall submit written notification within 24 hours that attests the equipment complies with all contract conditions and provide information.
c. All diesel equipment shall comply with all pertinent local, state, and federal regulations relative to exhaust emission controls and safety.
d. The contractor shall establish generator sites and truck-staging zones for vehicles waiting to load or unload material on site. Such zones shall be located where diesel emissions have the least impact on abutters, the general public, and especially sensitive receptors such as hospitals, schools, daycare facilities, elderly housing, and convalescent facilities.
Reporting
a. For each onroad diesel vehicle, nonroad construction equipment, or generator, the contractor shall submit to the developer's representative a report prior to bringing said equipment on site that includes: i. Equipment type, equipment manufacturer, equipment serial number, engine manufacturer, engine model year, engine certification (Tier rating), horsepower, and engine serial number. ii. The type of emission control technology installed, serial number, make, model, manufacturer, and EPA/CARB verification number/level. iii. The Certification Statement signed and printed on the contractor's letterhead.
b. The contractor shall submit to the developer's representative a monthly report that, for each onroad diesel vehicle, nonroad construction equipment, or generator onsite, includes: i. Hour-meter readings on arrival on-site, the first and last day of every month, and on off-site date. ii. Any problems with the equipment or emission controls. iii. Certified copies of fuel deliveries for the time period that identify: 1. Source of supply 2. Quantity of fuel 3. Quality of fuel, including sulfur content (percent by weight)

F-22 cont'd

These measures offer a cost-effective, feasible way to incorporate lower-emitting design features into the proposed Project, which subsequently, reduce emissions released during Project construction and operation. An updated EIR should be prepared to include all feasible mitigation measures, as well as include an updated health risk and GHG analysis to ensure that the necessary mitigation measures are implemented to reduce emissions to below thresholds. The updated EIR should also demonstrate a commitment to the implementation of these measures prior to Project approval, to ensure that the Project's significant emissions are reduced to the maximum extent possible.

Disclaimer

SWAPE has received limited discovery regarding this project. 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.

F-23

Sincerely,

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

Paul E. Rosenfeld, Ph.D.

Attachment A:	SWAPE Health Risk Calculations
Attachment B:	SWAPE Project CalEEMod Modeling
Attachment C	SWAPE Project AERSCREEN Modeling
Attachment D:	Paul Rosenfeld CV
Attachment E:	Matt Hagemann CV

Response to Letter F: SWAPE

Response F-1: The commenter summarizes the proposed Project description, and states that, "the DEIR fails to adequately evaluate the Project's air quality, health risk, and greenhouse gas impacts. As a result, emissions and health risk impacts associated with construction and operation of the proposed Project are underestimated and inadequately addressed. An updated EIR should be prepared to adequately assess and mitigate the potential air quality, health risk, and greenhouse gas impacts that the Project may have on the surrounding environment."

This comment serves as an introduction to the comment letter and summarizes the commenter's concerns in the body of the comment letter. Please see Reponses F-2 through F-22 for detailed responses to the concerns. No further response is necessary.

Response F-2: The commentor states, "The Traffic Impact Analysis ("TIA"), provided as Appendix D to the DEIR the Project relies on the August 2003 City of Fontana Truck Trip Generation Study ("Fontana Study) to determine the operational passenger car and truck trip generation rates (see excerpt below) (p. 211 Table 2).

Table 2
Project Trip Generation

Descriptor	Quantity	Units[1]	Type of Vehicle: Passenger Car	2 Axle Truck	3 Axle Truck	4+ Axle Truck	Total Trucks	Total
Land Use: Light Industrial	545.735	TSF	78.6%	8.0%	3.9%	9.5%	21.4%	100%
Trip Generation Rates[2] in trips per TSF								
Daily			3.899	0.397	0.193	0.471	1.061	4.96
Morning Peak Hour			0.550	0.056	0.027	0.067	0.150	0.70
Evening Peak Hour			0.495	0.050	0.025	0.060	0.135	0.63
Trip Generation in Vehicles								
Daily			2,128	217	106	257	580	2,708
Morning Peak Hour								
Inbound			264	27	13	32	72	336
Outbound			36	4	2	4	10	46
Total			300	31	15	36	82	382
Evening Peak Hour								
Inbound			35	4	2	4	10	45
Outbound			235	24	12	28	64	299
Total			270	28	14	32	74	344
Passenger Car Equivalent's (PCE'S) Factor[3]			1.00	1.50	2.00	3.00		
Trip Generation in PCE's								
Daily			2,128	326	212	771	1,309	3,437
Morning Peak Hour								
Inbound			264	41	26	96	163	427
Outbound			36	6	4	12	22	58
Total			300	47	30	108	185	485
Evening Peak Hour								
Inbound			35	6	4	12	22	57
Outbound			235	36	24	84	144	379
Total			270	42	28	96	166	436

Notes:
(1) TSF = Thousand Square Feet

(2) Source: Institute of Transportation Engineers, Trip Generation Manual, 10th Edition, 2017, Land Use Code 150 and City of Fontana, Truck Trip Generation Study, August 2003.

(3) Passenger Car Equivalent factors are recommended by San Bernardino Associated Governments.

However, SCAQMD staff have determined that the Fontana Study has limited applicability to warehouse projects. As a result, the Fontana Study should not be relied upon to determine the Project's operational mobile-source emissions. Specifically, SCAQMD staff find the following issues with the Fontana Study:

- The overall trip rate is based on only four warehouses total, which includes two warehouses with zeros. In other words, the results of the Fontana Study were based on only two data points. As is disclosed in the Fontana Study, the daily trip rate was only based on data from a Target warehouse and a TAB warehouse.

- The Fontana Study does not report any 24-hour daily truck trip rates. According to the Fontana Study, "[t]rip generation statistics for daily truck trips were not calculated because vehicle classifications counts could not be obtained from the driveway 24-hour counts."

This comment is noted. The Project trip generation forecast is conservatively based on Institute of Transportation Engineers (ITE) trip rates for the light industrial land use, which has a substantially higher trip rate per square foot of building area compared to warehouse or high-cube warehouse land uses. Based on ITE data, the high-cube warehouse land use generates an average of 1.81 daily trips per thousand square feet, of which approximately 27 percent are estimated to be trucks. Therefore, a high-cube warehouse of equivalent size as the proposed Project would be estimated to generate 267 truck trips per day. The TIA provides an adequate and conservative assessment of truck trips forecast to be generated by the Project. No further response is warranted.

Response F-3: The commentor states, "The DEIR's air quality analysis relies on emissions calculated with CalEEMod.2016.3.2 (p. 3.2-18). 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. Once all of the values are inputted into the model, the Project's construction and operational emissions are calculated, and "output files" are generated. These output files disclose to the reader what parameters are utilized in calculating the Project's air pollutant emissions and make known which default values are changed as well as provide justification for the values selected.

When reviewing the Project's CalEEMod output files, provided in the CalEEMod Modeling Results as Appendix B.2 to the DEIR ("Appendices"), we found that several model inputs were not consistent with information disclosed in the DEIR. As a result, the Project's construction and operational emissions are underestimated. As a result, an updated EIR should be prepared to include an updated air quality analysis that adequately evaluates the impacts that construction and operation of the Project will have on local and regional air quality."

This comment is noted. Specific responses to each of the individual concerns identified by the commentor under this header are provided below.

CO2 Intensity Factor: To clarify, the reduction from the default SCE electricity CO_2 intensity factor taken within the CalEEMod modeling is a highly conservative estimate of the reduction that would be appropriate to take from the default SCE Electricity CO_2 intensity factor, since the default SCE

Electricity CO_2 intensity factor is heavily outdated in comparison to the Project's anticipated first operational year of 2023. This is because the CO_2 intensity factor within the most recent version of CalEEMod Model (v. 2016.3.2) is from year 2012, which is eleven years prior to the anticipated first operational year of the Project of 2023, and the energy intensity of SCE's energy generation is decreasing over time to fulfill the State's Renewable Portfolio Standard (RPS) mandates.

The SCE's "Power Content Label", which identifies eligible renewables as a proportion of overall electricity mix, was available for year 2013 (which is after the 2012 year included for SCE's energy intensity in the model, thereby providing a more conservative value for the purposes of the calculation). The SCE's 2013 Power Content Label identifies that 22% of the SCE's energy mix in 2013 was from eligible renewables. More recently, for comparison's sake, the SCE's 2019 "Power Content Label" identified an eligible renewables level of 35.1% (for year 2019). From 2012 (the source for current version of CalEEMod's energy intensity factor for SCE) to 2023 (the anticipated operational year for the Project, the energy intensity of SCE's electricity mix will change dramatically with regard to the renewables proportion of its overall energy mix, as required by the State's RPS. In particular, California's SB 100 requires California electricity utilities to achieve a 60% renewable target by 2030, which means that SCE would conservatively need to achieve a minimum of 41% eligible renewables mix by 2023 to stay on track.

Moreover, contrary to the commentor's claim, the percentage reduction was taken specifically for the electricity utility that would serve the Project (i.e. SCE), not for the state as a whole. Ultimately, an improvement from the SCE's 2012 CO_2 energy intensity factor by 24.3% (i.e. the percentage reduction when accounting for the difference in eligible renewable mix in 2013 versus anticipated for 2023) is a highly conservative estimate of the actual improvement that would occur to the SCE's electricity CO_2 intensity by 2023, as reflected in the CalEEMod modeling for the Project. Moreover, separately, the SCE's 2019 Sustainability Report identifies that the utility has already approximately achieved this reduction, as of 2019. Specifically, the SCE's 2019 Sustainability Report identifies a CO_2e intensity factor of 534 lbs/MWh in 2019, which is approximately 23.9% lower than the CalEEMod default electricity CO2 intensity factor for SCE of 702. It should also be pointed out that the intensity factor from the SCE 2019 Sustainability Report also includes CH_4 and N_2O in its factor (since it reflects CO2-equivalent), thereby providing an overly conservative estimate for a CO_2 intensity factor. Ultimately, the 531.75 lbs/MWh electricity CO_2 intensity factor utilized in CalEEMod for the Project's first operational year (in 2023) is nearly equivalent to the CO_2e intensity factor from the SCE's 2019 Sustainability Report of 534 lbs/MWh, thereby providing further evidence that the 531.75 lbs/MWh electricity CO_2 intensity factor utilized in CalEEMod for the Project's first operational year (in 2023) is conservative, based on existing trends and state mandates.

Soil import/export: As provided in Section 2.0 Project Description of the Draft EIR, prior to the Project, the Project site has been backfilled and graded prior to Project construction, as part of on-site remediation activities. As provided in Section 2.0 Project Description of the Draft EIR:

> "The Manning Pit Project was completed in January 2019. According to City records, the site was completely filled with clean soil and is clean to state and federal standards for housing development. As required in the License Agreement, the operator submitted a request to the City to commence the process to close the project. According to the grading permit issued to the Windrow Earth Transport, Inc., the onsite drainage improvements and Storm Water Prevention measures were implemented in compliance with the current building code."

Moreover, as identified by the commentor, the Project Applicant (in email correspondence from Ken Lee on March 30, 2020) stated that the Project would require no soil import or export (beyond what occurred during the remediation and filling that occurred during the Manning Pit Project). Additionally, in follow-up email correspondence on April 2, 2020, Ken Lee stated that:

> "During the remediation and filling of the Manning pit, all imported soil was placed and compacted under full time supervision by TetraTech who was working for the City to ensure grading specification compliance. At the end of the remediation the fill was placed to within 6 inches (plus or minus) of the proposed sub grade for the single building option and parking areas.
>
> After the project is approved, there will be precise grading that will cut and fill the existing grades to get a precise subgrade. We are certain that this precise grading will have a balance of cut and fill so that no further import or export of soil will be necessary."

Based on this, we have updated Section 3.2: Air Quality of the Draft EIR to describe that no soil import or export would occur during Project construction. No further revisions to the Draft EIR in response to this comment are required.

Grading Acreage: As provided in Section 2.0 Project Description of the Draft EIR, prior to the Project, the Project site has been backfilled and graded prior to Project construction, as part of on-site remediation activities. As provided in Section 2.0 Project Description of the Draft EIR:

> "The Manning Pit Project was completed in January 2019. According to City records, the site was completely filled with clean soil and is clean to state and federal standards for housing development. As required in the License Agreement, the operator submitted a request to the City to commence the process to close the project. According to the grading permit issued to the Windrow Earth Transport, Inc., the onsite drainage improvements and Storm Water Prevention measures were implemented in compliance with the current building code."

Moreover, as identified by the commentor, the Project Applicant (in email correspondence from Ken Lee on March 30, 2020) stated that the Project would require no soil import or export (beyond what occurred during the remediation and filling that occurred during the Manning Pit Project). Additionally, in follow-up email correspondence on April 2, 2020, Ken Lee stated that:

> "During the remediation and filling of the Manning pit, all imported soil was placed and compacted under full time supervision by TetraTech who was working for the City to ensure grading specification compliance. At the end of the remediation the fill was placed to within 6 inches (plus or minus) of the proposed sub grade for the single building option and parking areas.
>
> After the project is approved, there will be precise grading that will cut and fill the existing grades to get a precise subgrade. We are certain that this precise grading will have a balance of cut and fill so that no further import or export of soil will be necessary."

Therefore, grading within the Project site during Project construction activities would be limited to a fine grade. All mass grading and rough grading has been completed during the remediation process. The default values in CalEEMod significant overstate the actual grading acreage for the Project site. Nevertheless, for the sake of a more conservative analysis, consistent with the

commentor's request, we have updated the CalEEMod modeling to utilize the default value within CalEEMod for the acres of grading value. The revised CalEEMod modeling shows no change to any significance determinations. We have updated Section 3.2: Air Quality and Section 3.4: Greenhouse Gases, Climate Change, and Energy to reflect the updated CalEEMod results, and have included these revisions (as well as the updated CalEEMod modeling results) within the Chapter 3.0: Revisions. These updates to the EIR are consistent with the commentor's request to utilize the default acres of grading value within CalEEMod. No further revisions to the Draft EIR in response to this comment are warranted.

Conclusion: This comment serves as an introduction to the specific concerns identified in Comments F-4 through F-6. Responses to each of the specific concerns relating to this issue are provided herein, as well as in the individual comment responses to Comments F-4 through F-6). No further response to this comment is warranted.

Response F-4: The commentor states, "Review of the CalEEMod output files demonstrates that the "Irwindale 5175 Vincent Avenue" model includes a manual reduction to the default CO2 intensity factor (see excerpt below) (Appendix B.2, pp. 473, 511, 543).

[image of the CO2 intensity factor utilized in CalEEMod, as provided in the CalEEMod output file]

As you can see in the excerpt below, the CO2 intensity factor was manually reduced by approximately 24%, from the default value of 702.44- to 531.75-pounds per megawatt hour ("lbs/MWh"). The CalEEMod User's Guide requires any changes to model defaults be justified. According to the "User Entered Comments and Non-Default Data" table, the justification provided for this change is:

> "Op. year - 2023. CO2 Intensity factor adjusted to reflect RPS value in 2023 (note: CalEEMod default factor is from 2012) - factor reduced by 24.3% based on change in eligible renewables from 22% in 2013 to 41% by 2023" (Appendix B.2, pp. 471, 509, 541).

Furthermore, regarding the intensity factors associated with the Project's utility company, the DEIR states:

> "The proposed Project would be in compliance with all applicable federal, State, and local regulations regulating energy usage. For example, Southern California Edison (SCE), the electric and natural gas provider to the proposed Project, is responsible for the mix of energy resources used to provide electricity for its customers, and it is in the process of implementing the statewide RPS to increase the proportion of renewable energy (e.g. solar and wind) within its energy portfolio. SCE is expected to achieve at least a 33% mix of renewable energy resources by 2020, and 60% by 2030" (p. 3.4-36).

However, these justifications are insufficient for three reasons. First, the DEIR fails to provide a source for the revised CO2 intensity factor. Second, the DEIR cannot simply interpolate its own CO2 intensity factor based on estimates of future increases in renewable energy use. Third, simply because the State has renewable energy goals does not ensure that these goals will be achieved locally on the Project site or by the Project's specific utility company. As a result, we cannot verify the revised CO2 intensity factor.

This unsubstantiated reduction presents an issue, as CalEEMod uses the CO2 intensity factor to calculate the Project's greenhouse gas ("GHG") emissions associated with electricity use. Thus, by

including an unsubstantiated reduction to the default CO2 intensity factor, the model may underestimate the Project's GHG emissions and should not be relied upon to determine Project significance."

This comment is noted. As described under comment response F-3, to clarify, the reduction from the default SCE electricity CO_2 intensity factor taken within the CalEEMod modeling is a highly conservative estimate of the reduction that would be appropriate to take from the default SCE Electricity CO_2 intensity factor, since the default SCE Electricity CO_2 intensity factor is heavily outdated in comparison to the Project's anticipated first operational year of 2023. This is because the CO_2 intensity factor within the most recent version of CalEEMod Model (v. 2016.3.2) is from year 2012, which is eleven years prior to the anticipated first operational year of the Project of 2023, and the energy intensity of SCE's energy generation is decreasing over time to fulfill the State's Renewable Portfolio Standard (RPS) mandates.

The SCE's "Power Content Label", which identifies eligible renewables as a proportion of overall electricity mix, was available for year 2013 (which is after the 2012 year included for SCE's energy intensity in the model, thereby providing a more conservative value for the purposes of the calculation). The SCE's 2013 Power Content Label identifies that 22% of the SCE's energy mix in 2013 was from eligible renewables. More recently, for comparison's sake, the SCE's 2019 "Power Content Label" identified an eligible renewables level of 35.1% (for year 2019). From 2012 (the source for current version of CalEEMod's energy intensity factor for SCE) to 2023 (the anticipated operational year for the Project, the energy intensity of SCE's electricity mix will change dramatically with regard to the renewables proportion of its overall energy mix, as required by the State's RPS. In particular, California's SB 100 requires California electricity utilities to achieve a 60% renewable target by 2030, which means that SCE would conservatively need to achieve a minimum of 41% eligible renewables mix by 2023 to stay on track.

Moreover, contrary to the commentor's claim, the percentage reduction was taken specifically for the electricity utility that would serve the Project (i.e. SCE), not for the state as a whole. Ultimately, an improvement from the SCE's 2012 CO_2 energy intensity factor by 24.3% (i.e. the percentage reduction when accounting for the difference in eligible renewable mix in 2013 versus anticipated for 2023) is a highly conservative estimate of the actual improvement that would occur to the SCE's electricity CO_2 intensity by 2023, as reflected in the CalEEMod modeling for the Project. Moreover, separately, the SCE's 2019 Sustainability Report identifies that the utility has already approximately achieved this reduction, as of 2019. Specifically, the SCE's 2019 Sustainability Report identifies a CO_2e intensity factor of 534 lbs/MWh in 2019, which is approximately 23.9% lower than the CalEEMod default electricity CO2 intensity factor for SCE of 702. It should also be pointed out that the intensity factor from the SCE 2019 Sustainability Report also includes CH_4 and N_2O in its factor (since it reflects CO2-equivalent), thereby providing an overly conservative estimate for a CO_2 intensity factor. Ultimately, the 531.75 lbs/MWh electricity CO_2 intensity factor utilized in CalEEMod for the Project's first operational year (in 2023) is nearly equivalent to the CO_2e intensity factor from the SCE's 2019 Sustainability Report of 534 lbs/MWh, thereby providing further evidence that the 531.75 lbs/MWh electricity CO_2 intensity factor utilized in CalEEMod for the Project's first operational year (in 2023) is conservative, based on existing trends and state mandates.

Response F-5: The commentor states, "Review of the CalEEMod output files demonstrates that the "Irwindale 5175 Vincent Avenue" model fails to include any amount of material export or material import (Appendix B.2, pp. 471-473, 509-511, 541-543). According to the "User Entered Comments and

Non-Default Data" table, the justification provided for this exclusion is: "Balanced soil import/export (from Ken Lee, email dated March 30, 2020)" (Appendix B.2, pp. 471, 509, 541). However, this justification is insufficient for two reasons.

First, the DEIR fails to provide the email correspondence with Ken Lee to support the assumption that Project construction would not require any amount of material export or import. As such, we cannot verify the exclusion of material export and material import in the model.

Second, the DEIR indicates that "[c]onstruction would include excavation and the overall disturbance of existing landscape" (p. 3.6-22). As such, the DEIR should have substantiated the amount of material import and material export required for such excavation activities. As the DEIR fails to provide this information, we cannot verify the exclusion of material export and material import in the model.

This inadequacy presents an issue, as the inclusion of all required material export and import in the model is necessary to calculate emissions produced from material movement, including truck loading and unloading, and additional hauling truck trips. As the DEIR fails to substantiate the amount of material import and export required for the Project, the model may underestimate the Project's construction-related emissions and should not be relied upon to determine Project significance. An updated EIR should be prepared to verify the amount of required material import and export."

This comment is noted. As described under comment response F-3, however, as provided in Section 2.0 Project Description of the Draft EIR, prior to the Project, the Project site has been backfilled and graded prior to Project construction, as part of on-site remediation activities. As provided in Section 2.0 Project Description of the Draft EIR:

> "The Manning Pit Project was completed in January 2019. According to City records, the site was completely filled with clean soil and is clean to state and federal standards for housing development. As required in the License Agreement, the operator submitted a request to the City to commence the process to close the project. According to the grading permit issued to the Windrow Earth Transport, Inc., the onsite drainage improvements and Storm Water Prevention measures were implemented in compliance with the current building code."

Moreover, as identified by the commentor, the Project Applicant (in email correspondence from Ken Lee on March 30, 2020) stated that the Project would require no soil import or export (beyond what occurred during the remediation and filling that occurred during the Manning Pit Project). Additionally, in follow-up email correspondence on April 2, 2020, Ken Lee stated that:

> "During the remediation and filling of the Manning pit, all imported soil was placed and compacted under full time supervision by TetraTech who was working for the City to ensure grading specification compliance. At the end of the remediation the fill was placed to within 6 inches (plus or minus) of the proposed sub grade for the single building option and parking areas.
>
> After the project is approved, there will be precise grading that will cut and fill the existing grades to get a precise subgrade. We are certain that this precise grading will have a balance of cut and fill so that no further import or export of soil will be necessary."

Based on this, we have updated Section 3.2: Air Quality of the Draft EIR to describe that no soil import or export would occur during Project construction. No further revisions to the Draft EIR in response to this comment are required.

Response F-6: The commentor states, "Review of the CalEEMod output files demonstrates that the "Irwindale 5175 Vincent Avenue" model includes a manual reduction to the default acres of grading value (see excerpt below) (Appendix B.2, pp. 473, 511, 543).

[image of the grading value utilized in CalEEMod, as provided by the CalEEMod output file]

As you can see in the excerpt above, the acres of grading value was reduced by approximately 77%, from the default value of 112.5- to 26.05-acres. As previously mentioned, the CalEEMod User's Guide requires any changes to model defaults be justified. According to the "User Entered Comments & Non-Default Data" table, the justification provided for this change is: "Assume total site is graded (26.05 acres)" (Appendix B.2, pp. 471, 509, 541). Furthermore, the DEIR indicates that the Project consists of 26.05 acres of soil total (see excerpt below) (p. 3.3-3, Table 3.3-1).

TABLE 3.3-1: PROJECT SITE SOILS

UNIT SYMBOL	NAME	ACRES IN AOI	PERCENT OF AOI
1106	Urban land-Soboba complex, 0-5% slopes	0.67	2.6
1106	Urban land, commercial-Soboba complex, 0-5% slopes	0.87	3.3
1180	Pits and Quarries	24.51	94.1

SOURCE: NRCS CUSTOM SOIL SURVEY 2018.

However, these justifications are insufficient. According to the CalEEMod User's Guide:

> "[T]he dimensions (e.g., length and width) of the grading site have no impact on the calculation, only the total area to be graded. In order to properly grade a piece of land multiple passes with equipment may be required. The acres is based on the equipment list and days in grading or site preparation phase according to the anticipated maximum number of acres a given piece of equipment can pass over in an 8-hour workday" (emphasis added).

Thus, as the dimensions of the Project site have no impact on the acres of grading value, we cannot verify the revised acres of grading value.

This unsubstantiated reduction presents an issue, as CalEEMod uses the acres of grading value to estimate the dust emissions associated with grading. Thus, by including an unsubstantiated reduction to the default acres of grading value, the model may underestimate the Project's construction-related emissions and should not be relied upon to determine Project significance."

As described under comment response F-3, as provided in Section 2.0 Project Description of the Draft EIR, prior to the Project, the Project site has been backfilled and graded prior to Project construction, as part of on-site remediation activities. As provided in Section 2.0 Project Description of the Draft EIR:

> "The Manning Pit Project was completed in January 2019. According to City records, the site was completely filled with clean soil and is clean to state and federal standards for housing development. As required in the License Agreement, the operator submitted a request to the City to commence the process to close the project. According to the

> grading permit issued to the Windrow Earth Transport, Inc., the onsite drainage improvements and Storm Water Prevention measures were implemented in compliance with the current building code."

Moreover, as identified by the commentor, the Project Applicant (in email correspondence from Ken Lee on March 30, 2020) stated that the Project would require no soil import or export (beyond what occurred during the remediation and filling that occurred during the Manning Pit Project). Additionally, in follow-up email correspondence on April 2, 2020, Ken Lee stated that:

> "During the remediation and filling of the Manning pit, all imported soil was placed and compacted under full time supervision by TetraTech who was working for the City to ensure grading specification compliance. At the end of the remediation the fill was placed to within 6 inches (plus or minus) of the proposed sub grade for the single building option and parking areas.
>
> After the project is approved, there will be precise grading that will cut and fill the existing grades to get a precise subgrade. We are certain that this precise grading will have a balance of cut and fill so that no further import or export of soil will be necessary."

Therefore, grading within the Project site during Project construction activities would be limited to a fine grade. All mass grading and rough grading has been completed during the remediation process. The default values in CalEEMod significant overstate the actual grading acreage for the Project site. Nevertheless, for the sake of a more conservative analysis, consistent with the commentor's request, we have updated the CalEEMod modeling to utilize the default value within CalEEMod for the acres of grading value. The revised CalEEMod modeling shows no change to any significance determinations. We have updated Section 3.2: Air Quality and Section 3.4: Greenhouse Gases, Climate Change, and Energy to reflect the updated CalEEMod results, and have included these revisions (as well as the updated CalEEMod modeling results) within the Chapter 3.0: Revisions. These updates to the EIR are consistent with the commentor's request to utilize the default acres of grading value within CalEEMod. No further revisions to the Draft EIR in response to this comment are warranted.

Response F-7: The commentor states, "As discussed above, the DEIR's air quality analysis relies upon an incorrect and unsubstantiated air model to determine the significance of the Project's criteria air pollutant emissions. However, despite the DEIR's reliance upon a flawed air model, the Project's operational emissions estimates indicate a significant air quality impact. Specifically, the DEIR concludes that the Project's operational NOx emissions would exceed the applicable SCAQMD threshold (see excerpt below) (p. IV.B-22, Table IV.B-8).

TABLE 3.2-5: OPERATIONAL PROJECT GENERATED EMISSIONS AT FULL BUILDOUT

CATEGORY	ROG	NOx	PM_{10}	$PM_{2.5}$	SO_X	CO
	≤ 55 LBS/DAY	≤ 55 LBS/DAY	≤ 150 LBS/DAY	≤ 55 LBS/DAY	≤ 150 LBS/DAY	≤ 550 LBS/DAY
Area	12.4	<0.1	<0.1	<0.1	0	0.1
Energy	<0.1	2.7	<0.1	0.2	<0.1	2.2
Mobile	3.8	58.6	26.3	7.2	0.4	61.1
Total	**16.5**	**61.3**	**26.3**	**7.4**	**0.4**	**63.3**
SCAQMD Threshold Exceeded?	**N**	**Y**	**N**	**N**	**N**	**N**

SOURCES: CALEEMOD (V.2016.3.2)
NOTE: VALUES MAY NOT ADD UP DUE TO ROUNDING.

As a result, the DEIR concludes that the Project's operational air quality impact would be significant and unavoidable, stating:

> "Operation of the proposed Project would have a significant and unavoidable impact related to the mass emissions associated with the proposed Project" (p. 3.2-31).

However, while we agree that the Project would result in significant operational criteria air pollutant emissions, the DEIR's conclusion that these impacts are "significant and unavoidable" is incorrect. According to CEQA Guidelines § 15096(g)(2):

> "When an EIR has been prepared for a project, the Responsible Agency shall not approve the project as proposed if the agency finds any feasible alternative or feasible mitigation measures within its powers that would substantially lessen or avoid any significant effect the project would have on the environment."

As you can see, an impact can only be labeled as significant and unavoidable after all available, feasible mitigation is considered. Here, while the DEIR includes Mitigation Measure ("MM") 3.2-1 and MM 3.4-1, the DEIR fails to implement all feasible mitigation (p. 3.2-29, 3.4-29). Therefore, the DEIR's conclusion that the Project's air quality impacts are significant and unavoidable is unsubstantiated. To reduce the Project's air quality impacts to the maximum extent possible, additional feasible mitigation measures should be incorporated, such as those suggested in the section of this letter titled "Feasible Mitigation Measures Available to Reduce Emissions." Thus, the Project should not be approved until an updated EIR is prepared, including updated, accurate air modeling, as well as incorporating all feasible mitigation to reduce emissions to less-than-significant levels."

Revisions to Mitigation Measures 3.2-1 and 3.4-1 have been made to amplify the mitigation already provided. These revisions and additional measures are provided in Section 3.0: Revisions at the recommendation of the commenter, as well as from other comments received from other commentors. It is noted that these additional measures that are added to these mitigation measure do not change the impact conclusion of significant and unavoidable.

Response F-8: The commentor states, "The DEIR concludes that the proposed Project would have a less-than-significant health risk impact based on a mobile-source operational health risk analysis ("HRA") (p. 3.2-40). Specifically, the DEIR estimates that Project-generated diesel truck trips would result in an excess cancer risk of 3.73 in one million, which would not exceed the SCAQMD threshold of 10 in one million (see excerpt below) (p. 3.2-40, Table 3.2-11).

TABLE 3.2-11: SUMMARY OF MAXIMUM HEALTH RISKS

RISK METRIC	MAXIMUM RISK (PER MILLION PERSONS)	SIGNIFICANCE THRESHOLD	IS THRESHOLD EXCEEDED?
Residential Cancer Risk (30-year exposure)[1]	3.73	10 per million	No
Workplace Cancer Risk (25-year exposure)[2]	0.26	10 per million	No
Chronic (non-cancer)	<0.01	Hazard Index ≥1	No
Acute (non-cancer)[3]	0	Hazard Index ≥1	No

NOTES: [1]THE MAXIMUM RESIDENTIAL CANCER RISK WOULD BE FOR A RESIDENCE LOCATED APPROXIMATELY 75 FEET TO THE EAST OF THE PROJECT SITE. THE INCREMENTAL RESIDENTIAL CANCER RISK (30-YEAR EXPOSURE) AT THIS LOCATION IS PROVIDED WITHIN THIS TABLE.[2]THE VALUE PROVIDED FOR MAXIMUM WORKPLACE CANCER RISK IS THE MAXIMUM VALUE PROVIDED AT THE NEAREST WORKPLACE LOCATION, LOCATED APPROXIMATELY 5 FEET TO THE NORTH OF THE PROJECT SITE. [3]ACUTE (NON-CANCER) RISKS WERE NOT ESTIMATED, SINCE DPM DOES NOT HAVE SHORT-TERM TOXICITY VALUES.
SOURCES: AERMOD 9.9.0 (V.19191) (LAKES ENVIRONMENTAL SOFTWARE, 2020); AND HARP-2 ADMRT.

Regarding the potential health risk impacts associated with Project construction, the DEIR states:

> "It should be noted that Project construction TACs were not modeled using AERMOD since both maximum and annual mitigated PM10 emissions during Project construction would be fewer than those emissions during project operation (as provided in the CalEEMod results provided in Appendix B). Moreover, construction DPM emissions would tend to be located more toward the geographic center of the Project site, compared with vehicles generated by the Project during the Project's operational phase. Since maximum risks from TACs to nearby receptors are demonstrated during Project operation would be less than the maximum risk thresholds provided by SCAQMD, and since emission of construction TACs (i.e. DPM) would be less than during Project operation (both maximum and annual risks), and since construction activities would be temporary and would occur prior to Project operation, risks from construction TACs would also be below the applicable SCAQMD thresholds" (p. 3.2-41).

As demonstrated above, the DEIR claims that the Project's construction-related toxic air contaminant ("TAC") emissions would be less than significant because "both maximum and annual mitigated PM10 emissions during Project construction would be fewer than those emissions during project operation" and "construction DPM emissions would tend to be located more toward the geographic center of the Project site." However, the DEIR's evaluation of the Project's potential health risk impacts, as well as the subsequent less-than-significant impact conclusion, is incorrect for four reasons.

First, the off-site diesel truck travel emission rates relied upon by the DEIR's HRA employ trip generation rates provided by the TIA (see excerpt below) (Appendix B.4, pp. 591).

TABLE 3: EMISSION RATES BY SOURCE

Source	Pollutant	Volume/Size	Emission Factor	Emissions (lbs/yr)
On-site Diesel Truck (Mobile) Circulation	Diesel Particulate Matter (DPM)	290 trucks per day traveling 0.4 miles	0.012450207 g/mile	1.162147235
On-site Diesel Truck Idling	Diesel Particulate Matter (DPM)	290 trucks per day idling 15 minutes	0.0035 g/hr -vehicle	0.204189149
Off-site Diesel Truck (Mobile) Travel	Diesel Particulate Matter (DPM)	290 trucks per day, distributed based on the trip distribution as provided within the Traffic Study	0.009284707 g/mile	2.816671267

SOURCES: EMFAC 2014 (ON-SITE DIESEL TRUCK CIRCULATION); TABLES 3.2-41 AND 42, OF THE EMFAC2014 VOLUME III - TECHNICAL DOCUMENTATION GUIDEBOOK ON IDLING EMISSIONS; EMFAC 2017 WEB DATABASE (V.1.0.2); GANDDINI, 2020. SEE TABLE 2 OF THIS DOCUMENT AND APPENDIX 1 FOR FURTHER DETAIL.
NOTES: LBS = POUNDS; YR = YEAR; G = GRAMS; HP = HORSEPOWER

However, as discussed above, the TIA relies upon the Fontana Study to determine the Project's trip generation rates. This is incorrect, as SCAQMD staff have determined the Fontana Study has limited applicability to warehouse projects and, as a result, should not be relied upon to generate trip rates or determine the Project's operational mobile-source emissions. Moreover, despite incorrectly relying upon the Fontana Study, the TIA indicates that the Project would generate 580 average daily truck trips (see excerpt below) (Appendix D, p. 21, Table 2).

Descriptor	Quantity	Units[1]	Type of Vehicle: Passenger Car	2 Axle Truck	3 Axle Truck	4+ Axle Truck	Total Trucks	Total
Land Use: Light Industrial	545.735	TSF	78.6%	8.0%	3.9%	9.5%	21.4%	100%
Trip Generation Rates[2] in trips per TSF								
Daily			3.899	0.397	0.193	0.471	1.061	4.96
Morning Peak Hour			0.550	0.056	0.027	0.067	0.150	0.70
Evening Peak Hour			0.495	0.050	0.025	0.060	0.135	0.63
Trip Generation in Vehicles								
Daily			2,128	217	106	257	580	2,708
Morning Peak Hour								
Inbound			264	27	13	32	72	336
Outbound			36	4	2	4	10	46
Total			300	31	15	36	82	382
Evening Peak Hour								
Inbound			35	4	2	4	10	45
Outbound			235	24	12	28	64	299
Total			270	28	14	32	74	344

Thus, the number of truck trips relied upon by the DEIR's mobile-source operational HRA is underestimated by 290 truck trips, when compared to the number of truck trips estimated by the TIA. As such, the emission rates utilized by DEIR's HRA are underestimated and inconsistent with the recommendations of the SCAQMD, as well as the DEIR's TIA."

This response is noted. With regard to the commentor's issue with the Fontana Study, see Response F-2 regarding use of the Fontana Study with respect to adequacy of truck trip estimates used in the TIA. With regard to the commentor's concern regarding the number of truck trips, the trip generation shown in the TIA refers to trips or trip ends, as opposed to number of individual vehicles. In other words, the same truck entering and exiting the Project site would generate one inbound trip and one outbound trip. Therefore, 290 trucks per day would each generate one trip

entering the Project site and one trip exiting the Project site for a total of 580 trips per day. The HRA was specifically developed to analyze the Project generated 290 trucks per day (equivalent to 580 trips per day), with emissions calculations specifically and carefully conducted based on the number of trucks per day (i.e. not truck trips). For example, idling and mobile emissions calculations were based on number of trucks per day (i.e. 290 trucks), not truck trips per day (580 truck trips). No further response to this comment is warranted.

Response F-9: The commentor states, "Second, the DEIR's qualitative claims regarding the Project's construction-related TAC emissions fail to provide substantial evidence that such emissions would be less-than-significant. Construction of the Project will produce emissions of diesel particulate matter ("DPM"), a human carcinogen, through the exhaust stacks of construction equipment over a construction period of approximately 755 days (Appendix B.2, p. 478, 515, 547). However, the DEIR's vague discussion of potential Project-generated TACs fails to indicate the concentrations at which such construction-related pollutants would trigger adverse health effects. Thus, without making a reasonable effort to connect the Project's construction-related TAC emissions to the potential health risks posed to nearby receptors, the DEIR is inconsistent with CEQA's requirement to correlate the increase in emissions generated by the Project with the potential adverse impacts on human health. As a result, the DEIR's less-than-significant health risk impact conclusion should not be relied upon."

This comment is noted. We have reviewed the referenced OEHHA Guidance Manual to determine applicability of modeling potential Project construction health risks from diesel particulate matter (DPM), which is the only TAC of concern for the proposed Project. The SCAQMD points to the OEHHA Guidance Manual[1] as the guidebook for developing air toxics health risk assessments (HRAs).

The OEHHA Guidance states "Due to the uncertainty in assessing cancer risk from very short-term exposures, we do not recommend assessing cancer risk for projects lasting less than two months at the MEIR. We recommend that exposure from projects longer than 2 months, but less than 6 months be assumed to last 6 months (e.g., a 2-month project would be evaluated as if it lasted 6 months)." (2015 Guidance Manual p. 8-18.)

Given the OEHHA's Guidance, the determination of whether it is warranted to model potential construction air toxic within an HRA is dependent on whether or not early life exposure adjustments apply to DPM emissions resulting from construction activity. This memorandum outlines the substantial evidence to support why early life exposure adjustments are not applicable to construction DPM and therefore a health risk assessment that models construction DPM is not required due to the short-term duration of construction activity (long-term exposure of 25, 30, or 70 years of activity are typically used to generate a risk estimates).

For risk assessments conducted under the auspices of The Air Toxics "Hot Spots" Information and Assessment Act of 1987 (AB 2588), OEHHA applies specific adjustment factors to all carcinogens regardless of purported mechanism of action. Notwithstanding, applicability of AB 2588 is limited to commercial and industrial operations. There are two broad classes of facilities subject to the AB 2588 Program: 1) Core facilities and 2) facilities identified within discrete industry-wide source categories. Core facilities subject to AB 2588 compliance are sources whose criteria pollutant emissions (particulate matter, oxides of sulfur, oxides of nitrogen and volatile organic compounds)

[1] http://oehha.ca.gov/air/hot_spots/hotspots2015.html

are 25 tons per year or more as well as those facilities whose criteria pollutant emissions are 10 tons per year or more but less than 25 tons per year. Industry-wide source facilities are classified as smaller operations with relatively similar emission profiles (e.g., auto body shops, gas stations and dry cleaners using perchloroethylene). The emissions generated from off-road mobile sources are not classified in AB 2588 as core operations nor subject to industry-wide source evaluation.

In comments presented to the South Coast Air Quality Management District (SCAQMD) Governing Board (Meeting Date: June 5, 2015, Agenda No. 28) relating to toxic air contaminant exposures under Rules 1401, 1401.1, 1402 and 212 revisions, use of the OEHHA Guidelines specifically related to the applicability and use of early-life exposure adjustments for projects subject to CEQA, it was reported that[2]

> *"The Proposed Amended Rules are separate from the CEQA significance thresholds. The SCAQMD staff is currently evaluating how to implement the Revised OEHHA Guidelines under CEQA. The SCAQMD staff will evaluate a variety of options on how to evaluate health risks under the Revised OEHHA Guidelines under CEQA. The SCAQMD staff will conduct public workshops to gather input before bringing recommendations to the Governing Board. In the interim, staff will continue to use the previous guidelines for CEQA determinations."*

To date, the SCAQMD, as a commenting agency, has not conducted public workshops nor developed policy relating to the application of early-life exposure adjustments utilizing the OEHHA Guidance Manual for projects prepared by other public/lead agencies subject to CEQA.

As a result, it is recommended that health risk assessments rely upon U.S. EPA documentation when evaluating the use of early life exposure adjustment factors (Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens, EPA/630/R-003F) wherein adjustment factors are only considered when carcinogens act "through the mutagenic mode of action." A mutagen is a physical or chemical agent that changes genetic material, such as DNA, increasing the frequency of mutations to produce carcinogenic effects. The use of adjustment factors is recommended to account for the susceptibility of producing adverse health effects during early life stages from exposure to these mutagenic compounds.

In 2006, U.S. EPA published a memorandum which provides guidance regarding the preparation of health risk assessments should carcinogenic compounds elicit a mutagenic mode of action (USEPA, 2006)[3]. As presented in the technical memorandum, numerous compounds were identified as having a mutagenic mode of action. For diesel particulates, polycyclic aromatic hydrocarbons (PAHs) and their derivatives, which are known to exhibit a mutagenic mode of action, comprise < 1% of the exhaust particulate mass. To date, the U.S. Environmental Protection Agency reports

[2] See Response to Comment #13, Page A-7 and A-8 of the June 5, 2015 board meeting Agenda No. 28. http://www.aqmd.gov/docs/default-source/Agendas/Governing-Board/2015/2015-jun1-028

[3] United States Environmental Protection Agency, 2006. Memorandum – Implementation of the Cancer Guidelines and Accompanying Supplemental Guidance - Science Policy Council Cancer Guidelines Implementation Workgroup Communication II: Performing Risk Assessments that include Carcinogens Described in the Supplemental Guidance as having a Mutagenic Mode of Action.

that whole diesel engine exhaust has not been shown to elicit a mutagenic mode of action (USEPA, 2018).[4]

Additionally, the California Department of Toxic Substances Control (DTSC) which is charged with protecting individuals and the environment from the effects of toxic substances and responsible for assessing, investigating and evaluating sensitive receptor populations to ensure that properties are free of contamination or that health protective remediation levels are achieved has adopted the U.S. EPA's policy in the application of early-life exposure adjustments. As such, incorporation of early-life exposure adjustments for exposures to DPM emissions in the quantification of carcinogenic risk for construction of the proposed are not considered.

Given that there is no available guidance that has been adopted by SCAQMD for CEQA purposes and the fact that the Project does not emit any pollutants that elicit a primary mutagenic mode of action, the use of the OEHHA guidelines to determine potential construction health risks is not required. Therefore, the HRA is not required to include an analysis of potential construction TAC risks associated with Project construction activities. No further response to this comment is warranted.

Response F-10: The commentor states, "Third, the Office of Environmental Health Hazard Assessment ("OEHHA"), the organization responsible for providing guidance on conducting HRAs in California, released its most recent Risk Assessment Guidelines: Guidance Manual for Preparation of Health Risk Assessments in February 2015. This guidance document describes the types of projects that warrant the preparation of an HRA. The OEHHA document recommends that all short-term projects lasting at least two months be evaluated for cancer risks to nearby sensitive receptors. As the Project's proposed 755-day construction duration vastly exceeds the 2-month requirement set forth by OEHHA, it is clear that the Project meets the threshold warranting a quantified construction-related HRA under OEHHA guidance. This recommendation reflects the most recent state health risk policies, and as such, we recommend that an analysis of health risk impacts posed to nearby sensitive receptors from Project construction be included in an updated EIR for the Project."

This comment is noted. As provided in Response F-9, Given that there is no available guidance that has been adopted by SCAQMD for CEQA purposes and the fact that the Project does not emit any pollutants that elicit a primary mutagenic mode of action, the use of the OEHHA guidelines to determine potential construction health risks is not required. Therefore, the HRA is not required to include an analysis of potential construction TAC risks associated with Project construction activities. No further response to this comment is warranted.

Response F-11: The commentor states, "Fourth, while the DEIR includes an operational HRA, the DEIR fails to evaluate the cumulative lifetime cancer risk to nearby, existing receptors as a result of Project construction and operation together. According to OEHHA guidance, as referenced by the DEIR, "the excess cancer risk is calculated separately for each age grouping and then summed to yield cancer risk at the receptor location" (p. 3.2-12).15 Here, however, the DEIR fails to conduct a construction-related and operational HRA, as well as sum each age bin to evaluate the total cancer risk over the course of Project construction and operation. This is incorrect and, thus, an updated

[4] United States Environmental Protection Agency, National Center for Environmental Assessment, 2018. Integrated Risk Information System (IRIS). Diesel Engine Exhaust.

EIR should be prepared, quantifying the Project's construction and operational cancer risks and summing them to compare to the SCAQMD threshold 10 in one million."

This comment is noted. As provided in Response F-9, Given that there is no available guidance that has been adopted by SCAQMD for CEQA purposes and the fact that the Project does not emit any pollutants that elicit a primary mutagenic mode of action, the use of the OEHHA guidelines to determine potential construction health risks is not required. Therefore, the HRA is not required to include an analysis of potential construction TAC risks associated with Project construction activities. No further response to this comment is warranted.

Response F-12: The commentor provides their own screening-level analysis for the Project's construction and operational-related health-related impacts. The commentor provides detail of their assumptions and calculations, and states that the results of their screening-level analysis shows potential for a significant TAC (i.e. air toxics health risk) impact. The commentor requests a revised version of the HRA and EIR to reflect an updated, quantified air pollution model as well as an updated, quantified refined health risk analysis, which includes TACs generated during Project construction activities.

This comment is noted. However, as stated by the commentor, the analysis conducted is a screening-level analysis, which is known to be conservative and tends to err on the side of health protection (which is also stated by the commentor), rather than a refined analysis of the air toxics health risks as is determined through the modeling in a detailed Health Risk Assessment. Furthermore, the commentor recognizes that they are not recommending utilizing the values they provided for the health risk analysis.

As provided in Response F-9, Given that there is no available guidance that has been adopted by SCAQMD for CEQA purposes and the fact that the Project does not emit any pollutants that elicit a primary mutagenic mode of action, the use of the OEHHA guidelines to determine potential construction health risks is not required. Therefore, the HRA is not required to include an analysis of potential construction TAC risks associated with Project construction activities.

However, the HRA and EIR have been revised (including modeling) to incorporate applicable recommendations provided by commentors. The revised HRA and EIR (including Section 3.2: Air Quality) is provided in FEIR Section 3.0: Revisions. As shown in the revised HRA and EIR, both cancer and non-cancer risks remain below the applicable Air District thresholds and no impact conclusions require change. No further response to this comment is warranted.

Response F-13: The commentor states, "The DEIR estimates that the Project would generate net annual greenhouse gas ("GHG") emissions of 9,800.1 metric tons of carbon dioxide equivalents per year ("MT CO2e/year"), which would not exceed the SCAQMD bright-line threshold of 10,000 MT CO2e/year (see excerpt below) (p. 3.4-28, Table 3.4-2)

TABLE 3.4-2: OPERATIONAL GHG EMISSIONS AT BUILDOUT (METRIC TONS/YEAR)

EMISSIONS SOURCE	*TOTAL CO_2*
Construction Emissions (amortized over the 30-year life of the Project)	94.4
Area Source	<0.1
Energy	2,039.1
Mobile	6,747.9
Solid Waste	340.4
Water	578.3
Total Emissions	**9,800.1**

NOTE: TOTALS MAY NOT ADD UP DUE TO ROUNDING.
SOURCE: CALEEMOD (V.2016.3.2)

This comment is noted. The commentor restates data from the Draft EIR. No response to this comment is warranted.

Response F-14: The commentor states, "Furthermore, the DEIR relies upon the Project's consistency with SCAG's 2016-2040 RTP/SCS in order to conclude that the Project would result in a less-than-significant GHG impact (p. 3.4-30). However, the DEIR's GHG analysis, as well as the subsequent less-than-significant impact conclusion, is incorrect for five reasons.

(1) The DEIR's quantitative GHG analysis relies upon an incorrect and unsubstantiated air model;

(2) The DEIR fails to identify a potentially significant GHG impact;

(3) SWAPE's updated analysis indicates a potentially significant GHG impact;

(4) The DEIR incorrectly relies upon SCAG's outdated RTP/SCS; and

(5) The DEIR fails to consider the performance-based standards under SCAG's 2020-2045 RTP/SCS."

This comment is noted. The commentor provides specific detail for each of the reasons stated herein, within the following comments (Comments F-15 through F-20). The responses to each of the specific comments are provided in detail in the responses below (see Responses F-15 through F-20.

Response F-15: The commentor states,

"*(1) Incorrect and Unsubstantiated Quantitative Analysis of Emissions*

As previously stated, the DEIR estimates that the Project would generate net annual GHG emissions of 9,800.1 MT CO2e/year (p. 3.4-28, Table 3.4-2). However, the DEIR's GHG analysis is unsubstantiated, as it relies upon a flawed air model. As previously discussed, when we reviewed the Project's CalEEMod output files, provided in the CalEEMod Modeling Results as Appendix B.2 to the DEIR's Appendices, we found that several of the values inputted into the model are not consistent with information disclosed in the DEIR. As a result, the model underestimates the Project's emissions, and the DEIR's quantitative GHG analysis should not be relied upon to determine Project significance. An updated EIR should be prepared that adequately assesses the potential GHG impacts that construction and operation of the proposed Project may have on the surrounding environment."

This comment is noted. Based on this comment (and others), CalEEMod modeling has been revised (as applicable) to reflect this and other comments. As provided in FEIR Section 3.0: Revisions, the Project's GHGs remain below the applicable GHG threshold of 10,000 MT CO2e/year. See FEIR Section 3.0: Revisions for further detail. No further response to this comment is warranted.

Response F-16: The commentor states,

"*(2) Failure to Identify a Potentially Significant GHG Impact*

As previously discussed, the DEIR concludes that the Project's net annual GHG emissions would not exceed the SCAQMD significance threshold of 10,000 MT CO2e/year (p. 3.4-28, Table 3.4-2). However, we recommend that the Project apply the AEP's "2030 Land Use Efficiency Threshold" of 2.6 metric tons of CO2 equivalents per service population per year ("MT CO2e/SP/year"). In support of this threshold for projects with a horizon year beyond 2020, AEP's guidance states:

> "Once the state has a full plan for 2030 (which is expected in 2017), and then a project with a horizon between 2021 and 2030 should be evaluated based on a threshold using the 2030 target. A more conservative approach would be to apply a 2030 threshold based on SB 32 for any project with a horizon between 2021 and 2030 regardless of the status of the Scoping Plan Update" (emphasis added).

As the California Air Resources Board ("CARB") adopted California's 2017 Climate Change Scoping Plan in November of 2017, the proposed Project "should be evaluated based on a threshold using the 2030 target," according to the relevant guidance referenced above. As such, when applying the widely-used "2030 Land Use Efficiency Threshold" of 2.6 MT CO2e/SP/year, the DEIR's incorrect and unsubstantiated air model indicates a potentially significant GHG impact. As previously stated, the DEIR estimates that the Project would generate net annual GHG emissions of 9,800.1 MT CO2e/year (p. 3.4-28, Table 3.4-2). Furthermore, according to CAPCOA's CEQA & Climate Change report, service population is defined as "the sum of the number of residents and the number of jobs supported by the project." The DEIR estimates that the Project would employ 15 to 250 people upon buildout (p. 3.6-6). As the Project does not propose any residential land uses, we estimate a service population of 250 people. Dividing the Project's GHG emissions, as estimated by the DEIR, by a service population value of 250 people, we find that the Project would emit approximately 39.2 MT CO2e/SP/year (see table below).

[DEIR Service Population Efficiency table inserted here]

When we compare the Project's service population efficiency value, based on the DEIR's modeling, GHG exceeds the AEP's "2030 Land Use Efficiency Threshold" of 2.6 MT CO2e/SP/year, even when utilizing the Project's maximum estimated service population. Thus, we find that the Project would result in a significant GHG impact not previously identified or addressed by the DEIR. Therefore, an updated EIR should be prepared and recirculated for the Project, and mitigation should be implemented where necessary."

This comment is noted. The commentor identifies an alternative threshold. However, the Air District (SCAQMD) is the local agency responsible for recommending quantitative air quality and greenhouse gas-related emissions thresholds for the purposes of CEQA (i.e through their CEQA Guidebook), and is the source of all of such quantitative emissions threshold within the Draft EIR. The SCAQMD maintains a significance threshold for GHGs of 10,000 MT CO2e/year for industrial facilities, which was selected by the SCAQMD based on studies that demonstrated that such a

threshold would capture 90% of all industrial projects. The Project is an industrial facility. Therefore, consistent with the SCAQMD's guidance, the Draft EIR compares the Project GHG emissions (inclusive of operational and construction GHG emissions) to the 10,000 MT CO2e/year threshold for industrial facilities, as promulgated by the SCAQMD. No further response is warranted.

Response F-17: The commentor states,

"*(3) Updated Analysis Indicates a Potentially Significant GHG Impact*

When applying the AEP's "2030 Land Use Efficiency Threshold" of 2.6 MT CO2e/SP/year, as well as the SCAQMD bright-line threshold of 10,000 MT CO2e/year, SWAPE's updated modeling demonstrates a potentially significant GHG impact not previously identified or mitigated by the DEIR. The updated CalEEMod output files, modeled by SWAPE with Project-specific information, disclose the Project's mitigated emissions, which include approximately 2,831.45 MT CO2e of total construction emissions (sum of 2021, 2022, and 2023) and approximately 10,317.73 MT CO2e/year of net annual operational emissions (sum of area-, energy-, mobile-, waste, and water-related emissions). When amortizing the Project's construction-related GHG emissions over a period of 30 years and summing them with the Project's operational GHG emissions, we estimate net annual GHG emissions of 10,412.12 MT CO2e/year. As previously discussed, we estimate a service population of 250 people. When dividing the Project's GHG emissions (amortized construction + operational) by a service population value of 250 people, we find that the Project would emit approximately 41.6 MT CO2e/SP/year (see table below).

[SWAPE Greenhouse Gas Emissions table inserted here]

As demonstrated above, the Project's net annual GHG emissions and service population efficiency value, as estimated by SWAPE, exceed the AEP's "2030 Land Use Efficiency Threshold" of 2.6 MT CO2e/SP/year, as well as the SCAQMD bright-line threshold of 10,000 MT CO2e/SP/year, respectively, thus resulting in a potentially significant impact not previously mitigated in the DEIR. As such, an updated GHG analysis should be prepared in an updated EIR and additional mitigation should be incorporated accordingly, per CEQA Guidelines."

This comment is noted. As previously stated in Response F-15 (see above), the CalEEMod modeling has been revised. As provided in FEIR Section 3.0: Revisions, the Project's GHGs remain below the applicable GHG threshold of 10,000 MT CO2e/year. See FEIR Section 3.0: Revisions for further detail. With regard to the usage of a per-service population threshold – this is addressed under Response F-16. No further response to this comment is warranted.

Response F-18: The commentor states,

"*(4) Incorrect Reliance Upon SCAG's Outdated RTP/SCS*

As previously discussed, the DEIR concludes that the Project would be consistent with SCAG's 2016-2040 RTP/SCS. However, in September 2020 SCAG adopted the more recent 2020-2045 RTP/SCS. Thus, the DEIR should have relied upon the current 2020-2045 RTP/SCS, and the DEIR's less-than-significant impact conclusion regarding the outdated 2016-2040 RTP/SCS should not be relied upon."

This comment is noted. We concur that the Project should be evaluated in comparison to the more recent 2020-2045 RTP/SCS, rather than the 2016-2040 RTP/SCS. Therefore, the DEIR has been revised to reflect an analysis of the most recent RTP/SCS (i.e. the 2020-2045 RTP/SCS). See FEIR Section 3.0 Revisions for the updated version of the EIR (i.e. Section 3.2: Air Quality and Section 3.4: Greenhouse Gases, Climate Change, and Energy). None of the significance determinations have changed in response to these revisions. No further response to this comment is warranted.

Response F-19: The commentor states,

"*(5) Failure to Consider Performance-based Standards under SCAG's RTP/SCS*

Here, as discussed above, the DEIR concludes that the Project would be consistent with SCAG's RTP/SCS. However, the DEIR fails to consider whether or not the Project meets any of the specific performance-based goals underlying SCAG's RTP/SCS and SB 375, such as: i) per capita GHG emission targets, or ii) daily vehicles miles traveled ("VMT") per capita benchmarks.

i. SB 375 Per Capita GHG Emission Goals

SB 375 was signed into law in September 2008 to enhance the state's ability to reach AB 32 goals by directing CARB to develop regional 2020 and 2035 GHG emission reduction targets for passenger vehicles (autos and light-duty trucks). In March 2018, CARB adopted updated regional targets requiring a 19 percent decrease in VMT for the SCAG region by 2035. This goal is reflected in SCAG's 2020 RTP/SCS Program Environmental Impact Report ("PEIR"), in which the 2020 RTP/SCS PEIR updates the per capita emissions to 21.3 lbs/day in 2020 and 18.8 lbs/day in 2035 (see excerpt below).

Table 3.8-10
SB 375 Analysis

	2005 (Baseline)	2020 (Plan)	2035 (Plan)
Resident population (per 1,000)	17,161	19,194	21,110
CO2 emissions (per 1,000 tons)	204.0/a/	204.5/b/	198.6/b/
Per capita emissions (pounds/day)	23.8	21.3	18.8
% difference from Plan (2020) to Baseline (2005)			–8%
% difference from Plan (2035) to Baseline (2005)			–19%/c/

Note:
/a/ Based on EMFAC2007
/b/Based on EMFAC2014 and SCAG modeling, 2019.
/c/ Includes off-model adjustments for 2035 and 2045
Source: SCAG modeling, 2019.
http://www.scag.ca.gov/committees/CommitteeDocLibrary/jointRCPC110515fullagn.pdf

In order to evaluate consistency with this SB 375 objective and SCAG's RTP/SCS performance-based goals, SWAPE calculated the Project's per-capita CO2 emissions from passenger and light duty vehicles (calculations attached hereto as Attachment B). First, total annual GHG mobile emissions were multiplied by the percentage of auto and light-duty truck fleet mix, then converted into total pounds per day, then divided by the estimated service population of 250. The below table shows the per capita emissions for the Project based on the DEIR's modeling (see table below and Attachment B).

[CO2e Per Capita Emissions from Passenger & Light-Duty Trucks, Exceedances under RTP/SCS Performance-Based SB 375 Goals table inserted here]

As shown in the above table, when utilizing the DEIR's modeling, the Project would result in 128.14 pounds per day per service population ("lbs/day/SP") emissions. This exceeds both SCAG's 2020 and 2035 targets of 21.3- and 18.8-lbs/day/SP, respectively, indicating that the Project is inconsistent with SB 375 and SCAG's RTP/SCS."

This comment is noted. Again, the commentor identifies an alternative threshold. However, the Air District (SCAQMD) is the local agency responsible for recommending quantitative air quality and greenhouse gas-related emissions thresholds for the purposes of CEQA (i.e through their CEQA Guidebook), and is the source of all of such quantitative emissions threshold within the Draft EIR. The SCAQMD maintains a significance threshold for GHGs of 10,000 MT CO2e/year for industrial facilities, which was selected by the SCAQMD based on studies that demonstrated that such a threshold would capture 90% of all industrial projects. The Project is an industrial facility. Therefore, consistent with the SCAQMD's guidance, the Draft EIR compares the Project GHG emissions (inclusive of operational and construction GHG emissions) to the 10,000 MT CO2e/year threshold for industrial facilities, as promulgated by the SCAQMD. Moreover, an Industrial use of the Project site is assumed within the SCAG RTP/SCS. The proposed Project does not conflict with any performance-based goals or strategies provided in the RTP/SCS.

Additionally, the VMT analysis presented in the comment does not use the same methodology to estimate the Project's VMT that SCAG uses to calculate VMT for the region. As noted in the OPR Technical Advisory: *"Models and methodologies used to calculate thresholds, estimate project VMT, and estimate VMT reduction due to mitigation should be comparable. For example… Where a travel demand model is used to determine thresholds, the same model should also be used to provide trip lengths as part of assessing project VMT."* Comparison of Project VMT as derived from CalEEMod estimates to the SCAG RTP/SCS benchmarks as derived from the SCAG travel demand model does not provide an "apples-to-apples" comparison. Therefore, the VMT impact evaluation presented in this comment is inconsistent with guidance provided by the State. No further response is warranted.

Response F-20: The commentor states,

"***i. SB 375 RTP/SCS Daily VMT Per Capita Target***

Under the SCAG's 2020 RTP/SCS, daily VMT per capita in the SCAG region should decrease from 23.2 VMT in 2016 to 20.7 VMT by 2045. Daily VMT per capita in Los Angeles County should decrease from 22.2 to 19.2 VMT during that same period.

Here, however, the DEIR fails to consider any of the above-mentioned performance-based VMT targets. In order to evaluate consistency with the RTP/SCS's performance-based VMT reduction targets, SWAPE calculated the Project's VMT from passenger and light duty vehicles (calculations attached hereto as Attachment B). First, annual VMTs from passenger automobile and light-duty vehicle were calculated based on the CalEEMod default fleet mix, converted into daily VMT, and divided by the estimated service population of 250. The below table shows the daily VMT per capita for the Project based on the DEIR's modeling (see table below and Attachment B).

[Daily VMT Per Capita from Passenger & Light-Duty Trucks, Exceedances under RTP/SCS Performance-Based SB 375 Target table inserted here]

As shown in the above table, based on a service population of 250, the Project would result in 103.25 VMT per capita from passenger auto and light-duty truck vehicles. This exceeds all SCAG-wide and Los Angeles County specific benchmarks and targets under SCAG's 2020 RTP/SCS. Thus, based on the DEIR's modeling, the Project would exceed the 2016 baseline and 2045 target VMT per capita values for both Los Angeles County and the SCAG region as a whole, indicating that the Project conflicts with the SCAG's RTP/SCS and SB 375."

This comment is noted. Again, the commentor identifies an alternative threshold. However, the Air District (SCAQMD) is the local agency responsible for recommending quantitative air quality and greenhouse gas-related emissions thresholds for the purposes of CEQA (i.e through their CEQA Guidebook), and is the source of all of such quantitative emissions threshold within the Draft EIR. The SCAQMD maintains a significance threshold for GHGs of 10,000 MT CO2e/year for industrial facilities, which was selected by the SCAQMD based on studies that demonstrated that such a threshold would capture 90% of all industrial projects. The Project is an industrial facility. Therefore, consistent with the SCAQMD's guidance, the Draft EIR compares the Project GHG emissions (inclusive of operational and construction GHG emissions) to the 10,000 MT CO2e/year threshold for industrial facilities, as promulgated by the SCAQMD. Moreover, an industrial use of the Project site is assumed within the SCAG RTP/SCS. The proposed Project does not conflict with any performance-based goals or strategies provided in the RTP/SCS.

Additionally, the VMT analysis presented in the comment does not use the same methodology to estimate the Project's VMT that SCAG uses to calculate VMT for the region. As noted in the OPR Technical Advisory: *"Models and methodologies used to calculate thresholds, estimate project VMT, and estimate VMT reduction due to mitigation should be comparable. For example… Where a travel demand model is used to determine thresholds, the same model should also be used to provide trip lengths as part of assessing project VMT."* Comparison of Project VMT as derived from CalEEMod estimates to the SCAG RTP/SCS benchmarks as derived from the SCAG travel demand model does not provide an "apples-to-apples" comparison. Therefore, the VMT impact evaluation presented in this comment is inconsistent with guidance provided by the State. No further response is warranted.

Response F-21: The commentor states, "Our analysis demonstrates that the Project's air quality, health risk, and GHG emissions may result in significant impacts and should be mitigated further. In an effort to reduce the Project's emissions, we identified several mitigation measures that are applicable to the proposed Project. Feasible mitigation measures can be found in the Department of Justice Warehouse Project Best Practices document. Therefore, to reduce the Project's emissions, consideration of the following measures should be made:

- Requiring off-road construction equipment to be zero-emission, where available, and all diesel-fueled off-road construction equipment, to be equipped with CARB Tier IV-compliant engines or better, and including this requirement in applicable bid documents, purchase orders, and contracts, with successful contractors demonstrating the ability to supply the compliant construction equipment for use prior to any ground-disturbing and construction activities.

- Prohibiting off-road diesel-powered equipment from being in the "on" position for more than 10 hours per day.

- Requiring on-road heavy-duty haul trucks to be model year 2010 or newer if diesel-fueled.

- Providing electrical hook ups to the power grid, rather than use of diesel-fueled generators, for electric construction tools, such as saws, drills and compressors, and using electric tools whenever feasible.
- Limiting the amount of daily grading disturbance area.
- Prohibiting grading on days with an Air Quality Index forecast of greater than 100 for particulates or ozone for the project area.
- Forbidding idling of heavy equipment for more than two minutes.
- Keeping onsite and furnishing to the lead agency or other regulators upon request, all equipment maintenance records and data sheets, including design specifications and emission control tier classifications.
- Conducting an on-site inspection to verify compliance with construction mitigation and to identify other opportunities to further reduce construction impacts.
- Using paints, architectural coatings, and industrial maintenance coatings that have volatile organic compound levels of less than 10 g/L.
- Providing information on transit and ridesharing programs and services to construction employees.
- Providing meal options onsite or shuttles between the facility and nearby meal destinations for construction employees.
- Requiring that all facility-owned and operated fleet equipment with a gross vehicle weight rating greater than 14,000 pounds accessing the site meet or exceed 2010 model-year emissions equivalent engine standards as currently defined in California Code of Regulations Title 13, Division 3, Chapter 1, Article 4.5, Section 2025. Facility operators shall maintain records on-site demonstrating compliance with this requirement and shall make records available for inspection by the local jurisdiction, air district, and state upon request.
- Requiring all heavy-duty vehicles entering or operated on the project site to be zero-emission beginning in 2030.
- Requiring on-site equipment, such as forklifts and yard trucks, to be electric with the necessary electrical charging stations provided.
- Requiring tenants to use zero-emission light- and medium-duty vehicles as part of business operations.
- Forbidding trucks from idling for more than two minutes and requiring operators to turn off engines when not in use.
- Posting both interior- and exterior-facing signs, including signs directed at all dock and delivery areas, identifying idling restrictions and contact information to report violations to CARB, the air district, and the building manager.

Furthermore, feasible mitigation measures can be found in CAPCOA's Quantifying Greenhouse Gas Mitigation Measures.

[CAPCOA's Quantifying Greenhouse Gas Mitigation Measures inserted here]"

This comment is noted. Mitigation Measure 3.8-1 is based on one of the recommended measures included in the list under CAPCOA's *Quantifying Greenhouse Gas Mitigation Measures*: "Implement Commute Trip Reduction (CTR) Program – Voluntary." In addition, the Draft EIR has been revised to include additional measures within Section 3.2: Air Quality and Section 3.4: Greenhouse Gases, Climate Change, and Energy (see FEIR Section 3.0: Revisions, for detail), as noted under previous responses. No further response is warranted.

Response F-22: The commentor states,

"[NEDC's Diesel Emission Controls in Construction Projects inserted here]

These measures offer a cost-effective, feasible way to incorporate lower-emitting design features into the proposed Project, which subsequently, reduce emissions released during Project construction and operation. An updated EIR should be prepared to include all feasible mitigation measures, as well as include an updated health risk and GHG analysis to ensure that the necessary mitigation measures are implemented to reduce emissions to below thresholds. The updated EIR should also demonstrate a commitment to the implementation of these measures prior to Project approval, to ensure that the Project's significant emissions are reduced to the maximum extent possible."

This comment is noted. Revisions to the Draft EIR have been made, including to several relevant mitigation measures, to add additional measures and to bolster existing measures, where applicable. Refer to FEIR Section 3.0: Revisions, for full detail. Furthermore, and updated health risk, air quality, and GHG analysis has been provided (see FEIR Section 3.0: Revisions for full detail). This ensures that the relevant concerns identified by the commentors have been addressed within the Final EIR, including demonstrating a commitment to ensure that the Project's significant emissions are reduced to the maximum extent feasible. No further response is warranted.

Response F-23: The commenter states: "SWAPE has received limited discovery regarding this project. 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."

This comment serves as a conclusion to the comment letter and does not warrant a response. No further response is necessary.

STATE OF CALIFORNIA—CALIFORNIA STATE TRANSPORTATION AGENCY GAVIN NEWSOM, Governor

DEPARTMENT OF TRANSPORTATION
DISTRICT 7
100 S. MAIN STREET, MS 16
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Serious Drought.
Making Conservation
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March 29, 2021

Ms. Brandi Jones
City of Irwindale
5050 N. Irwindale Ave.
Irwindale, CA 91706

RE: 5175 Vincent Avenue Project
Vic. LA-605 PM 23.52-53.98
LA-210 PM 37.85-39.84
SCH # 2018121056
GTS # LA-2019-03502AL-DEIR

Dear Ms. Jones:

Thank you for including the California Department of Transportation (Caltrans) in the environmental review process for the above referenced project. The proposed Project includes development of a concrete tilt-up, high-cube industrial warehouse building of approximately 545,735 square feet (sf) (540,447 sf of ground floor area and 5,000 sf of mezzanine area), associated parking (including 199 standard parking stalls and 181 trailer stalls), and utility and landscaping improvements.

We would like to remind the City that the mission of Caltrans is to provide a safe, sustainable, integrated and efficient transportation system to enhance California's economy and livability. Senate Bill 743 (2013) has been codified into CEQA law. It mandates that CEQA review of transportation impacts of proposed developments be modified by using Vehicle Miles Traveled (VMT) as the primary metric in identifying transportation impacts. As a reminder, Vehicle Miles Traveled (VMT) is the standard transportation analysis metric in CEQA for land use projects after the July 1, 2020 statewide implementation date. You may reference The Governor's Office of Planning and Research (OPR) website for more information. G-1

http://opr.ca.gov/ceqa/updates/guidelines/

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. G-2

"Provide a safe and reliable transportation network that serves all people and respects the environment"

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. G-2 cont'd

Also, Caltrans has published the VMT-focused Transportation Impact Study Guide (TISG), dated May 20, 2020 and Caltrans Interim Land Development and Intergovernmental Review (LD-IGR) Safety Review Practitioners Guidance, prepared in On December 18, 2020. G-3

https://dot.ca.gov/programs/transportation-planning/office-of-smart-mobility-climate-change/sb-743

Transit

The Project area is served by Foothill Transit and Baldwin Park Transit. Foothill Transit Routes 185/272/492 and the Baldwin Park Teal Line provide transit service along parts of Live Oak Avenue, Baldwin Park Boulevard, Arrow Highway, and Irwindale Avenue. The nearest transit stop is Foothill Transit Route 492 located at the intersection of Vincent Avenue/Arrow Highway approximately 300 feet from the Project Site. G-4

Pedestrian and Bicycle Facilities

Existing pedestrian facilities such as sidewalks in the vicinity of the Project are currently provided on both sides of Vincent Avenue along the Project site frontage. Vincent Avenue along the Project site's frontage would be improved to its ultimate half-section width, including landscaping and parkway improvements, and required by the City of Irwindale. There are no existing bicycle facilities within proximity to the Project site. There are buffered bike lanes/separated bikeways (Class II/IV) recommended along Live Oak Avenue, Arrow Highway, Azusa Canyon Road, and Irwindale Avenue in the Project vicinity. G-5

Mitigation Measure VMT-1

The project employer shall be required to provide general commute benefits to employees, which may include financial subsides or pre-tax deductions for transit, carpooling, and vanpooling activities. All employees shall be eligible for alternative transportation benefits.

The project-generated home-based work VMT per employee is equal to 17.38 with implementation of the proposed Mitigation Measure VMT-1, which does not exceed the City-established threshold of 15% below the City of Irwindale average, or 19.13 home- G-6

based work VMT per employee; therefore, the proposed project would result in less than significant VMT impact with mitigation. G-6 cont'd

Non-CEQA Impact and Improvements

Caltrans concurs that the proposed project is forecast to result in no significant traffic impact with the following study intersection improvements for Existing Plus Project traffic conditions:

1. I-605 Freeway NB ramps/Live Oak Avenue-#2
    - Install a traffic signal.
    - Construct an additional right-turn lane at the northbound approach.
    - Construct an additional right-turn lane at the southbound approach.
2. Alameda Avenue/I-210 WB Ramps/1st Street-#34
    - Restripe the westbound approach to consist of two left turn lanes, one through lane, and one right turn lane. G-7
    - Modify signalization as necessary to accommodate east-west protected signal phasing, including necessary signal poles, mast arms, and signal heads.

Caltrans welcome any other improvements for other future conditions. For additional comments, you may reference to Caltrans' comment letters dated on March 11, 2020 and January 23, 2019.

For this project, transportation of heavy construction equipment and/or materials, which requires the use of oversized-transport vehicles on State highways, will require a transportation permit from Caltrans. It is recommended that large size truck trips be limited to off-peak commute periods and idle time not to exceed 10 minutes.

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-2019-03502AL-MND. G-8

Sincerely,

Miya Edmonson

MIYA EDMONSON
IGR/CEQA Branch Chief

email: State Clearinghouse

"Provide a safe and reliable transportation network that serves all people and respects the environment"

Response to Letter G: California Department of Transportation

Response G-1: The commenter correctly summarizes the proposed Project, notes the mission of the California Department of Transportation (Caltrans), summarizes Senate Bill 743, and notes that vehicle-miles-traveled (VMT) is the standard transportation analysis metric in CEQA for current land use projects.

This comment is noted. This comment serves as an introduction to the comment letter. No further response is necessary.

Response G-2: This comment consists of a general recommendation to include multi-modal and complete streets transportation elements that promote alternatives to individual automobile use.

Mitigation Measure 3.8-1 requires the Project to offer commute benefits such as subsidies or incentives for transit, carpooling, and vanpooling activities that would promote alternatives to individual automobile use. Based on the City-established thresholds of significance, the Project would not result in a significant transportation impact that requires Project-sponsored construction of additional alternative transportation improvements. All on-site and off-site roadway construction shall be implemented in accordance with State and City standards and the Project would not conflict with a program, plan, ordinance, or policy addressing complete streets or pedestrian facilities.

Response G-3: This comment provides a link to Caltrans' VMT guidelines, which provide an overview of Caltrans' VMT review procedures, and does not question the technical findings. No further response is necessary.

Response G-4: This comment summarizes the transit facilities in the Project vicinity and does not question the technical findings. No further response is necessary.

Response G-5: This comment summarizes the pedestrian facilities in the Project vicinity and does not question the technical findings. No further response is necessary.

Response G-6: This comment summarizes the VMT analysis/mitigation and does not question the technical findings. No further response is necessary.

Response G-7: This comment states Caltrans' concurrence with the finding of no significant traffic deficiencies with implementation of the proposed improvements and does not question the technical findings; no response is required. The comment also notes that oversized-transport vehicles on State highways will required a transportation permit from Caltrans. This is a standard Statewide requirement to which the Project and/or construction contractor shall adhere.

Response G-8: This comment is noted. This comment serves as a conclusion to the comment letter. No further response is necessary.

COUNTY OF LOS ANGELES
Public Health

BARBARA FERRER, Ph.D., M.P.H., M.Ed.
Director

MUNTU DAVIS, M.D., M.P.H.
County Health Officer

MEGAN McCLAIRE, M.S.P.H.
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March 30, 2021

Ms. Brandi Jones, Senior Planner
City of Irwindale
5050 N Irwindale Ave
Irwindale CA 91706

Via email at: bjones@irwindaleca.gov

SUBJECT: SCH No. 2018121056 – DEIR FOR 5175 VINCENT AVENUE PROJECT – CITY OF IRWINDALE

Dear Ms. Jones,

Thank you for the opportunity to review and comment on this environmental document (Draft EIR) as part of the California Environmental Quality Act (CEQA) process. H-1

The proposed project includes the development of a 545,735 square foot concrete tilt-up industrial warehouse building, parking, utilities, and landscaping on 26.05 acres, comprised of 2 vacant parcels. One of the parcels is the site of a closed landfill called Manning Brothers Class III Landfill and has the SWIS #19-AA-0022.

Since the proposed project is located within the permitted boundary of the closed Manning Brothers Class III Landfill, the project is considered a modification of postclosure land use and must comply with the postclosure land use criteria contained in Title 27 of the California Code of Regulations (27 CCR) section 21190. H-2

Section 27 CCR 21190(3)(c) reads "All proposed postclosure land uses, other than non-irrigated open space, on sites implementing closure or on closed sites shall be submitted to the EA, RWQCB, local air district and local land use agency. The EA shall review and approve proposed postclosure land uses if the project involves structures within 1,000 feet of the disposal area, structures on top of waste, modification of the low permeability layer, or irrigation over waste."

Should you have any questions, please feel free to call me at (626) 430-5540 or email me at dlugo@ph.lacounty.gov. H-3

Sincerely,

Dee Hanson-Lugo, Chief REHS
Solid Waste Management Program / Permitting and Surveillance Section

cc: Syed Hussain, LEA
Ben Escotto, CalRecycle

Response to Letter H: County of Los Angeles Department of Public Health

Response H-1: This comment is noted. This comment serves as an introduction to the comment letter and does not warrant a response. No further response is necessary.

Response H-2: The commenter summarizes the Project details and notes that one of the parcels is the site of a closed landfill called the Manning Brothers Class III Landfill (SWIS #19-AA-0022). The commenter notes that, since the proposed Project is located within the permitted boundary of the closed Manning Brothers Class III Landfill, the Project is considered a modification of postclosure land use and must comply with the postclosure land use criteria contained in Title 27 of the California Code of Regulations (27 CCR) section 21190. The commenter concludes by quoting Section 27 CCR (3)(c).

This comment is noted, and the City will provide a submittal of all relevant fill operation information. The historical background of the Project site is summarized on pages 2.0-1 through 2.0-4 of Chapter 2.0, Project Description, of the Draft EIR. As noted on page 2.0-1, the Project site is the general location of the former Irwindale Pit No. 1 (Manning Brothers Pit) Project. Mining of the Manning Pit began in the 1930s and was completed in the 1970s. During mining operations, the pit was excavated to a maximum depth of 240 feet above msl, which equates to approximately 230 feet below ground surface (bgs). A portion of the site was subsequently used to dispose of silt, clay, and sand wash products (fines) from an on-site aggregate processing facility. The volume of the fine materials disposed of is estimated at 352,000 cubic yards.

The City of Irwindale acquired the northern portion of the pit (approximately 37 acres) in the late 1980s from the County of Los Angeles, and the County retained the remainder (approximately 45 acres) which is currently used as a supplemental water recharge basin in conjunction with the Irwindale Recharge Basin, located just to the west.

After its acquisition, the City began backfilling the site with a variety of construction debris (e.g., soil, concrete, asphalt, rebar, bricks, and cinder blocks) and other inert materials. At that time, no Quality Assurance/Quality Control (QA/QC) Program was performed to assure that the backfilling operation met the geotechnical considerations for future development of the site. However, backfilling was stopped in 1992 when it was discovered that improper filling methods had been used by the contractor. At the time backfilling was stopped, there was an estimated 665,000 cubic yards of rubble material placed over the estimated 352,000 cubic yards of fine materials. Therefore, the total estimated backfill volume that had been placed within the pit was approximately 1,017,000 cubic yards.

Again, the City will coordinate with the Los Angeles County, Department of Public Health, CalRecycle, and the Regional Water Quality Control Board to ensure that all relevant fill operation information is provided for your files.

Response H-3: This comment is noted. This comment serves as a conclusion to the comment letter and does not warrant a response. No further response is necessary.

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

March 25, 2021

Ref. DOC 6072198

Ms. Brandi Jones, Senior Planner
Community Development Department
City of Irwindale
5050 No1ih Irwindale Avenue
Irwindale, CA 91706

Dear Ms. Jones:

DEIR Response for 5175 Vincent Avenue Project

The Los Angeles County Sanitation Districts (Districts) received a Draft Environmental Impact Report (DEIR) for the subject project on February 19, 2021. The proposed project is located within the jurisdictional boundary of District No. 22. Previous comments submitted by the Districts in correspondence dated March 11, 2020 (copy enclosed) still apply to the subject project with the following comment:

- All information concerning Districts' facilities and sewerage service contained in the document is current. I-1

If you have any questions, please contact the undersigned at (562) 908-4288, extension 2717 or at araza@lacsd.org.

Very truly yours,

Adriana Raza
Customer Service Specialist
Facilities Planning Department

AR:ar

Enclosure

cc: A. Schmidt
A. Howard

DOC 6123297.D22

SANITATION DISTRICTS OF LOS ANGELES COUNTY
Converting Waste Into Resources

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March 11, 2020

Ref. DOC 5565799

Ms. Brandi Jones, Senior Planner
Community Development Department
City of Irwindale
5050 North Irwindale Avenue
Irwindale, CA 91706

Dear Ms. Jones:

NOP Response for 5175 Vincent Avenue Project

The Los Angeles County Sanitation Districts (Districts) received a Notice of Preparation of a Draft Environmental Impact Report (NOP) for the subject project on February 12, 2020. The proposed project is located within the jurisdictional boundary of District No. 22. We offer the following comments regarding sewerage service:

1. The wastewater flow originating from the proposed project will discharge directly to the Districts' Joint Outfall H Unit 8K Relief Trunk Sewer, located in Vincent Avenue at the east side of the project site. The Districts' 21–inch diameter trunk sewer has a capacity of 9.9 million gallons per day (mgd) and conveyed a peak flow of 4.8 mgd when last measured in 2015. A 6-inch diameter or smaller direct connection to a Districts' trunk sewer requires a Trunk Sewer Connection Permit, issued by the Districts. An 8-inch diameter or larger direct connection to a Districts' trunk sewer requires submittal of Sewer Plans for review and approval by the Districts. For additional information, please contact the Districts' Engineering Counter at (562) 908-4288, extension 1205.

2. The wastewater generated by the proposed project will be treated at the San Jose Creek Water Reclamation Plant (WRP) located adjacent to the City of Industry, which has a capacity of 100 mgd and currently processes an average flow of 58.5 mgd. All biosolids and wastewater flows that exceed the capacity of the San Jose Creek WRP are diverted to and treated at the Joint Water Pollution Control Plant in the City of Carson.

3. The expected average wastewater flow from the project site, described in the notice as a 545,735 square-foot high-cube industrial warehouse, is 13,643 gallons per day. For a copy of the Districts' average wastewater generation factors, go to www.lacsd.org, under Services, then Wastewater Program and Permits, select Will Serve Program, and scroll down to click on the Table 1, Loadings for Each Class of Land Use link.

4. The Districts are empowered by the California Health and Safety Code to charge a fee for the privilege of connecting (directly or indirectly) to the Districts' Sewerage System for increasing the strength or quantity of wastewater discharged from connected facilities. This connection fee is a

capital facilities fee that is imposed in an amount sufficient to construct an incremental expansion of the Sewerage System to accommodate the proposed project. Payment of a connection fee will 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 District to conform to the requirements of the Federal Clean Air Act (CAA), the capacities of District 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 CCA. All expansions of District 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 District 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 District intends 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 District facilities.

If you have any questions, please contact the undersigned at (562) 908-4288, extension 2717.

Very truly yours,

Adriana Raza
Customer Service Specialist
Facilities Planning Department

AR:ar

cc: A. Schmidt
A. Howard

DOC 5663987.D22

Response to Letter I: Los Angeles County Sanitation District

Response I-1: The commenter states that the District received the Draft EIR for the property which is within the jurisdictional boundary of District No. 22. The commenter also notes that, as stated in the previous comment submitted by the District (March 11, 2020), all information concerning the District's facilities and sewerage service contained in the document is correct. The commenter concludes with their contact information.

This comment is noted. A specific comment regarding the Draft EIR was not made. No further response is required.

April 13, 2021

Brandi Jones
Senior Planner
City of Irwindale
5050 North Irwindale Avenue
Irwindale, California 91706
BJones@IrwindaleCA.gov

Dear Brandi Jones:

Thank you for providing the California Air Resources Board (CARB) with the opportunity to comment on the 5175 Vincent Avenue Project (Project) Draft Environmental Impact Report (DEIR), State Clearinghouse No. 2018121056. The Project consists of the construction and operation of approximately 545,735 square feet of high-cube industrial warehouse space. Implementation of the Project would require a portion of the existing land use designation to be changed from "Residential" to "Industrial/Business Park." Once in operation, the Project would introduce 2,708 daily vehicle trips, including 580 daily heavy-duty truck trips, along local roadways. The Project is located within the City of Irwindale (City), California, which is the lead agency for California Environmental Quality Act (CEQA) purposes.

J-1

CARB submitted a comment letter, which is attached to this letter, on the Notice of Preparation (NOP) for the DEIR released in February 2020. CARB's comments, dated March 10, 2020, highlighted the need for preparing a health risk assessment (HRA) for the Project and encouraged the City and applicant to implement all existing and emerging zero-emission technologies to minimize exposure to diesel particulate matter (diesel PM) and nitrogen oxide (NO_x) emissions for all neighboring communities, and to minimize the greenhouse gases that contribute to climate change. Due to the Project's proximity to residences already disproportionately burdened by multiple sources of pollution, CARB's comments expressed concerns with the potential cumulative health risks associated with the construction and operation of the Project.

The Final Environmental Impact Report Should Restrict the Operation of Transport Refrigeration Units within the Project Area

Chapter 2.0 (Introduction) of the DEIR states that the proposed Project would not include the operation of on-site cold storage uses. Should the Project later include cold storage uses, residences near the Project-site could be exposed to significantly higher levels of toxic diesel PM and NO_x, and greenhouse gases than trucks and trailers without TRUs. To ensure TRUs will not operate within the Project site without first quantifying and mitigating their potential impacts, CARB urges the City to include one of the following design measures in the Final Environmental Impact Report (FEIR):

J-2

- A Project design measure requiring contractual language in tenant lease agreements that prohibits tenants from operating TRUs within the Project-site; or
- A condition requiring a restrictive covenant over the parcel that prohibits the applicant's use of TRUs on the property, unless the applicant seeks and receives an amendment to its conditional use permit allowing such use.

If the City later chooses to allow TRUs to operate within the Project site, CARB urges the City to re-model the Project's air quality impact analysis and HRA to account for potential health risks. The updated air quality impact analysis and HRA should include the following air pollutant emission reduction measures:

J-2 cont'd

- Include contractual language in tenant lease agreements that requires all loading/unloading docks and trailer spaces be equipped with electrical hookups for trucks with TRU or auxiliary power units. This requirement will substantially decrease the amount of time that a TRU powered by a fossil-fueled internal combustion engine can operate at the Project-site. Use of zero-emission all-electric plug-in TRUs, hydrogen fuel cell transport refrigeration, and cryogenic transport refrigeration are encouraged and can also be included in lease agreements.[1]
- Include contractual language in tenant lease agreements that requires all TRUs entering the project site be plug-in capable.

The Health Risk Assessment Used Inappropriate Assumptions When Modeling the Project's Health Risk Impacts

The HRA prepared for the Project and presented in Appendix B.4 (Air Toxics Health Risk Assessment) of the DEIR, concluded that residences near the Project site would be exposed to diesel PM emissions that would result in cancer risks of 3.73 chances per million during Project operation. Since the Project's cancer risks are below the South Coast Air Quality Management District's (SCAQMD) 10 chances per million significance threshold, the DEIR concluded that the Project would result in a less than significant impact on public health. CARB has reviewed the Project's HRA and is concerned that the Project's cancer risk impacts may have been underestimated for the reasons detailed below.

J-3

The cancer risk impacts presented in the HRA should have been based on PM_{10} idling emissions factors obtained from the latest version of CARB's Emission Factors model (EMFAC). As shown in Table 3 (Emission Rates by Source) of the HRA, the City used a 0.0035 grams per hour PM_{10} idling emission factor to calculate the cancer risk impacts while trucks are idling within the Project site. This PM_{10} idling emission factor was based on idling test data found in the EMFAC2014 Volume III - Technical Documentation Guidebook. Since the public release of EMFAC2014 in May 2015, CARB has made many updates to the EMFAC

1 CARB's Technology Assessment for Transport Refrigerators provides information on the current and projected development of TRUs, including current and anticipated costs. The assessment is available at: *https://www.arb.ca.gov/msprog/tech/techreport/tru_07292015.pdf*.

model and has released two updated versions: EMFAC2017, released in May 2018, and EMFAC2021, released in January 2021. Some of the updates to the EMFAC model included updates to the heavy-duty truck activity and emission rates, and implementation of CARB's latest regulations. EMFAC2014 underestimated diesel PM emission rates from diesel heavy-duty trucks due to limited in-use test data for engine model year 2010 and newer, thus the Project's mobile source diesel PM emissions are likely underestimated in the DEIR. CARB urges the City and applicant to model and report the Project's air pollution emissions from mobile sources using emission factors found in CARB's latest EMFAC2021. Emission factors can be easily obtained by running the EMFAC2021 Web Database: *https://arb.ca.gov/emfac/emissions-inventory*.

In the HRA, the City and applicant used mobile emission factors from EMFAC2017 to model cancer risk impacts from trucks traveling within the Project site and along local roadways. The HRA assumed exclusively heavy heavy-duty trucks would serve the proposed warehouse development. According to Appendix D (Traffic Impact Analysis), the Project's total average daily traffic would consist of 9.5 percent heavy heavy-duty trucks, 3.9 percent medium heavy-duty trucks, and 8 percent light heavy-duty trucks. In the latest version of EMFAC, light heavy-duty trucks tend to have higher PM_{10} idling emission rates and mobile emission rates at lower speeds than larger medium and heavy heavy-duty trucks. Since all trucks servicing the Project were assumed to be heavy-duty trucks, CARB is concerned that the City may have underestimated cancer risks in the Project's HRA. J-3 cont'd

The Project truck trip roadway distribution presented in the HRA is not consistent with the Project's traffic report. According to Figure 12 (Project Trip Distribution-Trucks) of Appendix D (Traffic Impact Analysis), 85 percent of the Project's total 580 average daily truck trips would travel along Vincent Avenue, between the Project's northern accesses to Arrow Highway. However, the modeling presented in the HRA assumes 45 percent of the Project's total average daily truck trips would travel along this segment of roadway. Since the HRA does not account for 232 heavy-duty truck trips along roadways adjacent to existing residences, CARB is concerned that the City may have underestimated cancer risks in the Project's HRA.

Recommended Mitigation Measures

The DEIR includes two mitigation measures (3.2-1 and 3.2-2) to reduce the Project's significant impact on air quality. These mitigation measures include: ensuring the cleanest possible practices and equipment are used during Project construction; installing the necessary infrastructure to support on-site zero and near-zero emission technology; and requiring all service equipment used within the Project-site to be electric or compressed natural gas-powered. Although these mitigation measures would reduce the Project's air pollutant emissions, the DEIR concludes that the Project's impact on air quality would remain significant after mitigation. Even where impacts will remain significant and unavoidable after mitigation, CEQA requires that all feasible mitigation measures be incorporated (see California Public Resources Code§ 21081; 14 CCR§ 15126.2(b)). To meet this requirement, J-4

CARB urges the City and applicant to add the emission reduction measures listed below in the FEIR.

- In construction contracts, include language that requires all off-road diesel powered equipment used during Project construction to be equipped with Tier 4 or cleaner engines, except for specialized construction equipment in which Tier 4 engines are not available. In place of Tier 4 engines, off-road equipment can incorporate retrofits that achieve emission reductions that equal or exceed that of a Tier 4 engine.
- In construction contracts, include language that requires all off-road equipment with a power rating below 19 kilowatts (e.g., plate compactors, pressure washers) used during project construction be battery powered.
- In construction contracts, include language that requires all heavy-duty trucks entering the construction site, during the grading and building construction phases be model year 2014 or later. All heavy-duty haul trucks should also meet CARB's lowest optional low-NO_x standard starting in the year 2022.[2]
- Include contractual language in tenant lease agreements that requires all heavy-duty trucks entering or on the Project site to be model year 2014 or later, expedite a transition to zero-emission vehicles, and be fully zero-emission beginning in 2030.
- Including language in tenant lease agreements, requiring the installing of vegetative walls[3] or other effective barriers that separate loading docks and people living or working nearby.

J-4 cont'd

Conclusion

CARB is concerned about the potential public health impacts should the City approve the Project. As concluded in Chapter 3.2 (Air Quality) of the DEIR, the Project's operation would expose residences to NO_x emissions that would result in a significant and unavoidable impact on air quality. To fully understand the Project's environmental impacts, the HRA should be revised in the FEIR using mobile and idling PM_{10} emission factors obtained from the latest version of EMFAC (i.e., EMFAC2021). The truck fleet mix and truck trip roadway distribution presented in the HRA should be consistent with the Project's traffic report. Should the City allow the operation of TRUs within the Project site, the City should update the Project's air quality analysis and HRA to account for the increase in air pollution and cancer risks resulting from trucks and trailers with TRUs visiting the Project site. Lastly, to reduce the Project's impact on public health, CARB urges the City to implement the mitigation measures listed in Section III of this letter.

J-5

2 In 2013, CARB adopted optional low-NOx emission standards for on-road heavy-duty engines. CARB encourages engine manufacturers to introduce new technologies to reduce NOx emissions below the current mandatory on-road heavy-duty diesel engine emission standards for model-year 2010 and later. CARB's optional low-NOx emission standard is available at: *https://ww2.arb.ca.gov/our-work/programs/optional-reduced-nox-standards*

3 Effectiveness of Sound Wall-Vegetation Combination Barriers as Near-Roadway Pollutant Mitigation Strategies (2017) is available at: *https://ww2.arb.ca.gov/sites/default/files/classic//research/apr/past/13-306.pdf*.

Given the breadth and scope of projects subject to CEQA review throughout California that have air quality and greenhouse gas impacts, coupled with CARB's limited staff resources to substantively respond to all issues associated with a project, CARB must prioritize its substantive comments here based on staff time, resources, and its assessment of impacts. CARB's deliberate decision to substantively comment on some issues does not constitute an admission or concession that it substantively agrees with the lead agency's findings and conclusions on any issues on which CARB does not substantively submit comments.

J-5 cont'd

CARB appreciates the opportunity to comment on the DEIR for the Project and can provide assistance on zero-emission technologies and emission reduction strategies, as needed. If you have questions, please contact Stanley Armstrong, Air Pollution Specialist, via email at *stanley.armstrong@arb.ca.gov*.

Sincerely,

Robert Krieger, Branch Chief, Risk Reduction Branch

Attachment

cc: See next page.

cc: State Clearinghouse
state.clearinghouse@opr.ca.gov

Carlo De La Cruz, Senior Campaign Representative, Sierra Club
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Lijin Sun, Program Supervisor, CEQA Intergovernmental Review, South Coast Air Quality Management District
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Marven Norman, Policy Specialist, Center for Community Action and Environmental Justice
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Stanley Armstrong, Air Pollution Specialist, Risk Reduction Branch

ATTACHMENT A

CALIFORNIA AIR RESOURCES BOARD

March 10, 2020

Brandi Jones
Senior Planner
City of Irwindale
5050 North Irwindale Avenue
Irwindale, California 91706

Dear Brandi Jones:

Thank you for providing the California Air Resources Board (CARB) with the opportunity to comment on the Notice of Preparation (NOP) for the 5175 Vincent Avenue Project (Project) Draft Environmental Impact Report (DEIR), State Clearinghouse No. 2018121056. The Project consists of the construction and operation of approximately 545,735 square feet of high-cube industrial warehouse space. The Project is proposed within the City of Irwindale (City), California, which is the lead agency for California Environmental Quality Act (CEQA) purposes. Implementation of the Project would require a change to the existing land use designation from "Residential" to "Industrial/Business Park".

Freight facilities, such as warehouse facilities, can result in high daily volumes of heavy-duty diesel truck traffic and operation of on-site equipment (e.g., forklifts and yard tractors) that emit toxic diesel emissions, and contribute to regional air pollution and global climate change.[1] CARB has reviewed the NOP and is concerned about the air pollution and health risk impacts that would result should the City approve the Project, and the land-use change from "Residential" to "Industrial/Business Park", to build the proposed high-cube industrial warehouse building.

I. The Project Would Increase Exposure to Air Pollution in Disadvantaged Communities

The Project, if approved, will expose nearby disadvantaged communities to elevated air pollution. Residences are located south, east, and west of the Project site, with the closest residences situated approximately 85 feet from the Project's eastern boundary. In addition to residences, four schools (Alice M. Ellington Elementary School, Merwin Elementary School, Northview High School, and Las Palmas Middle School), two daycare centers (Covina KinderCare and Kiddie Cove Daycare) and a senior center (Irwindale Senior Center) are located within 1 mile of the Project. The community is

[1] With regard to greenhouse gas emissions from this project, CARB has been clear that local governments and project proponents have a responsibility to properly mitigate these impacts. CARB's guidance, set out in detail in the Scoping Plan issued in 2017, makes clear that in CARB's expert view local mitigation is critical to achieving climate goals and reducing greenhouse gases below levels of significance.

arb.ca.gov 1001 I Street • P.O. Box 2815 • Sacramento, California 95812 (800) 242-4450

surrounded by existing toxic diesel particulate matter (diesel PM) emission sources, which include existing industrial uses and vehicular traffic along Interstate 210 (I-210), Interstate 605 (I-605), and Interstate 10 (I-10). Due to the Project's proximity to residences, schools, daycare centers, and a senior center already disproportionately burdened by multiple sources of air pollution, CARB is concerned with the potential cumulative health impacts associated with the construction and operation of the Project.

The State of California has placed additional emphasis on protecting local communities from the harmful effects of air pollution through the passage of Assembly Bill 617 (AB 617) (Garcia, Chapter 136, Statutes of 2017). AB 617 is a significant piece of air quality legislation that highlights the need for further emission reductions in communities with high exposure burdens, like those in which the Project is located. Diesel PM emissions generated during the construction and operation of the Project would negatively impact the community, which is already disproportionally impacted by air pollution from existing industrial uses, and traffic on I-210, I-605, and I-10.

Through its authority under Health and Safety Code section 39711, the California Environmental Protection Agency (CalEPA) is charged with the duty to identify disadvantaged communities. CalEPA bases its identification of these communities on geographic, socioeconomic, public health, and environmental hazard criteria (Health and Safety Code, section 39711, subsection (a)). In this capacity, CalEPA currently defines a disadvantaged community, from an environmental hazard and socioeconomic standpoint, as a community that scores within the top 25 percent of the census tracts, as analyzed by the California Communities Environmental Health Screening Tool Version 3.0 (CalEnviroScreen). CalEnviroScreen uses a screening methodology to help identify California communities currently disproportionately burdened by multiple sources of pollution. The census tract containing the Project is within the top 5 percent for Pollution Burden[2] and is considered a disadvantaged community; therefore, CARB urges the City to ensure that the Project does not adversely impact neighboring disadvantaged communities.

II. The DEIR Should Quantify and Discuss the Potential Cancer Risks at Residential and Other Sensitive Receptors in the Vicinity of the Proposed Industrial Building

The Project, as proposed in the NOP, will not include refrigerated storage. The operation of cold storage warehouses would include trucks with transportation refrigeration units (TRU)[3] that emit significantly higher levels of toxic diesel emissions, oxides of nitrogen (NO_x), and greenhouse gases than trucks without TRUs. To ensure TRUs will not operate within the Project site, CARB urges the City to include one of the following design measures in a revised DEIR:

---

[2] Pollution Burden represents the potential exposures to pollutants and the adverse environmental conditions caused by pollution.

[3] TRUs are refrigeration systems powered by diesel internal combustion engines that protect perishable goods during transport in an insulated truck and trailer vans, rail cars, and domestic shipping containers.

- A Project design measure requiring contractual language in tenant lease agreements that prohibits tenants from operating TRUs within the Project site; or

- A condition requiring a restrictive covenant over the parcel that prohibits the applicant's use of TRUs on the property, unless the applicant seeks and receives an amendment to its conditional use permit allowing such use.

If the City chooses to allow TRUs within the Project site, CARB urges the City to model air pollutant emissions from on-site TRUs, as well as prepare a health risk assessment (HRA) that shows the potential health risks. The DEIR should also include the air pollutant reduction measures listed in Attachment A.

In addition to the health risk associated with operations, construction health risks should be included in the air quality section of the DEIR and the Project's HRA. Construction of the Project would result in short-term diesel emissions from the use of both on-road and off-road diesel equipment. The Office of Environmental Health Hazard Assessment's (OEHHA) guidance recommends assessing cancer risks for construction projects lasting longer than two months. Since construction would very likely occur over a period lasting longer than two months, the HRA prepared for the Project should include health risks for existing residences near the Project site during construction.

The HRA prepared in support of the Project should be based on the latest OEHHA guidance (2015 Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments),[4] and the South Coast Air Quality Management District's (SCAQMD) CEQA Air Quality Handbook.[5] The HRA should evaluate and present the existing baseline (current conditions), future baseline (full build-out year, without the Project), and future year with the Project. The health risks modeled under both the existing and the future baselines should reflect all applicable federal, state, and local rules and regulations. By evaluating health risks using both baselines, the public and City planners will have a complete understanding of the potential health impacts that would result from the Project.

III. Conclusion

To reduce the exposure of toxic diesel emissions in disadvantaged communities already disproportionally impacted by air pollution, the final design of the Project should include all existing and emerging zero-emission technologies to minimize diesel and NO_x emission exposure to all neighboring communities, as well as the greenhouse gases that contribute to climate change. CARB encourages the City and applicant to

[4] Office of Environmental Health Hazard Assessment (OEHHA). Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments. February 2015. Accessed at: https://oehha.ca.gov/media/downloads/crnr/2015guidancemanual.pdf.
[5] SCAQMD's 1993 Handbook can be found at: http://www.aqmd.gov/home/rules-compliance/ceqa/air-quality-analysis-handbook.

implement the measures listed in Attachment A of this comment letter to reduce the Project's construction and operational air pollution emissions.

Given the breadth and scope of projects subject to CEQA review throughout California that have air quality and greenhouse gas impacts, coupled with CARB's limited staff resources to substantively respond to all issues associated with a project, CARB must prioritize its substantive comments here based on staff time, resources, and its assessment of impacts. CARB's deliberate decision to substantively comment on some issues does not constitute an admission or concession that it substantively agrees with the lead agency's findings and conclusions on any issues on which CARB does not substantively submit comments.

CARB appreciates the opportunity to comment on the NOP for the Project and can provide assistance on zero-emission technologies and emission reduction strategies, as needed. Please include CARB on your State Clearinghouse list of selected State agencies that will receive the DEIR as part of the comment period. If you have questions, please contact Stanley Armstrong, Air Pollution Specialist, at (916) 440-8242 or via email at stanley.armstrong@arb.ca.gov.

Sincerely,

Richard Boyd

Richard Boyd, Chief
Risk Reduction Branch
Transportation and Toxics Division

Attachment

cc: See next page.

cc: State Clearinghouse
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Air Pollution Specialist
Risk Analysis Section
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ATTACHMENT A

Recommended Air Pollution Emission Reduction Measures for Warehouses and Distribution Centers

The California Air Resources Board (CARB) recommends developers and government planners use all existing and emerging zero to near-zero emission technologies during project construction and operation to minimize public exposure to air pollution. Below are some measures, currently recommended by CARB, specific to warehouse and distribution center projects. These recommendations are subject to change as new zero-emission technologies become available.

Recommended Construction Measures

1. Ensure the cleanest possible construction practices and equipment are used. This includes eliminating the idling of diesel-powered equipment and providing the necessary infrastructure (e.g., electrical hookups) to support zero and near-zero equipment and tools.

2. Implement, and plan accordingly for, the necessary infrastructure to support the zero and near-zero emission technology vehicles and equipment that will be operating on site. Necessary infrastructure may include the physical (e.g., needed footprint), energy, and fueling infrastructure for construction equipment, on-site vehicles and equipment, and medium-heavy and heavy-heavy duty trucks.

3. In construction contracts, include language that requires all off-road diesel-powered equipment used during construction to be equipped with Tier 4 or cleaner engines, except for specialized construction equipment in which Tier 4 engines are not available. In place of Tier 4 engines, off-road equipment can incorporate retrofits, such that, emission reductions achieved equal or exceed that of a Tier 4 engine.

4. In construction contracts, include language that requires all off-road equipment with a power rating below 19 kilowatts (e.g., plate compactors, pressure washers) used during project construction be battery powered.

5. In construction contracts, include language that requires all heavy-duty trucks entering the construction site, during the grading and building construction phases be model year 2014 or later. All heavy-duty haul trucks should also meet CARB's lowest optional low-NO_x standard starting in the year 2022.[1]

[1] In 2013, CARB adopted optional low-NO_x emission standards for on-road heavy-duty engines. CARB encourages engine manufacturers to introduce new technologies to reduce NO_x emissions below the current mandatory on-road heavy-duty diesel engine emission standards for model year 2010 and later. CARB's optional low-NO_x emission standard is available at: https://www.arb.ca.gov/msprog/onroad/optionnox/optionnox.htm.

Attachment - 1

6. In construction contracts, include language that requires all construction equipment and fleets to be in compliance with all current air quality regulations. CARB staff is available to assist in implementing this recommendation.

Recommended Operation Measures

1. Include contractual language in tenant lease agreements that requires tenants to use the cleanest technologies available, and to provide the necessary infrastructure to support zero-emission vehicles and equipment that will be operating on site.

2. Include contractual language in tenant lease agreements that requires all loading/unloading docks and trailer spaces be equipped with electrical hookups for trucks with transport refrigeration units (TRU) or auxiliary power units. This requirement will substantially decrease the amount of time that a TRU powered by a fossil-fueled internal combustion engine can operate at the project site. Use of zero-emission all-electric plug-in TRUs, hydrogen fuel cell transport refrigeration, and cryogenic transport refrigeration are encouraged and can also be included in lease agreements.[2]

3. Include contractual language in tenant lease agreements that requires all TRUs entering the project site be plug-in capable.

4. Include contractual language in tenant lease agreements that requires future tenants to exclusively use zero-emission light and medium-duty delivery trucks and vans.

5. Include contractual language in tenant lease agreements requiring all TRUs, trucks, and cars entering the Project site be zero-emission.

6. Include contractual language in tenant lease agreements that requires all service equipment (e.g., yard hostlers, yard equipment, forklifts, and pallet jacks) used within the project site to be zero-emission. This equipment is widely available.

7. Include contractual language in tenant lease agreements that requires all heavy-duty trucks entering or on the project site to be model year 2014 or later, expedite a transition to zero-emission vehicles, and be fully zero-emission beginning in 2030.

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[2] CARB's Technology Assessment for Transport Refrigerators provides information on the current and projected development of TRUs, including current and anticipated costs. The assessment is available at: https://www.arb.ca.gov/msprog/tech/techreport/tru_07292015.pdf.

Attachment - 2

8. Include contractual language in tenant lease agreements that requires the tenant be in, and monitor compliance with, all current air quality regulations for on-road trucks including CARB's Heavy-Duty (Tractor-Trailer) Greenhouse Gas Regulation,[3] Periodic Smoke Inspection Program (PSIP),[4] and the Statewide Truck and Bus Regulation.[5]

9. Include contractual language in tenant lease agreements restricting trucks and support equipment from idling longer than five minutes while on site.

10. Include contractual language in tenant lease agreements that limits on-site TRU diesel engine runtime to no longer than 15 minutes. If no cold storage operations are planned, include contractual language and permit conditions that prohibit cold storage operations unless a health risk assessment is conducted and the health impacts fully mitigated.

11. Include rooftop solar panels for each proposed warehouse to the extent feasible, with a capacity that matches the maximum allowed for distributed solar connections to the grid.

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[3] In December 2008, CARB adopted a regulation to reduce greenhouse gas emissions by improving the fuel efficiency of heavy-duty tractors that pull 53-foot or longer box-type trailers. The regulation applies primarily to owners of 53-foot or longer box-type trailers, including both dry-van and refrigerated-van trailers, and owners of the heavy-duty tractors that pull them on California highways. CARB's Heavy-Duty (Tractor-Trailer) Greenhouse Gas Regulation is available at: https://www.arb.ca.gov/cc/hdghg/hdghg.htm.

[4] The PSIP program requires that diesel and bus fleet owners conduct annual smoke opacity inspections of their vehicles and repair those with excessive smoke emissions to ensure compliance. CARB's PSIP program is available at: https://www.arb.ca.gov/enf/hdvip/hdvip.htm.

[5] The regulation requires that newer heavier trucks and buses must meet particulate matter filter requirements beginning January 1, 2012. Lighter and older heavier trucks must be replaced starting January 1, 2015. By January 1, 2023, nearly all trucks and buses will need to have 2010 model year engines or equivalent. CARB's Statewide Truck and Bus Regulation is available at: https://www.arb.ca.gov/msprog/onrdiesel/onrdiesel.htm.

Attachment - 3

Response to Letter J: California Air Resources Board

Response J-1: The commenter correctly summarizes the Project details, and notes that the California Air Resources Board (CARB) submitted a Notice of Preparation (NOP) comment letter. This comment is noted. The NOP comment letter was considered during the Draft EIR preparation. This comment serves as an introduction to the comment letter and does not warrant further response.

Response J-2: The commentor states, "Chapter 2.0 (Introduction) of the DEIR states that the proposed Project would not include the operation of on-site cold storage uses. Should the Project later include cold storage uses, residences near the Project-site could be exposed to significantly higher levels of toxic diesel PM and NOx, and greenhouse gases than trucks and trailers without TRUs. To ensure TRUs will not operate within the Project site without first quantifying and mitigating their potential impacts, CARB urges the City to include one of the following design measures in the Final Environmental Impact Report (FEIR):

- A Project design measure requiring contractual language in tenant lease agreements that prohibits tenants from operating TRUs within the Project-site; or

- A condition requiring a restrictive covenant over the parcel that prohibits the applicant's use of TRUs on the property, unless the applicant seeks and receives an amendment to its Conditional Use Permit allowing such use.

If the City later chooses to allow TRUs to operate within the Project site, CARB urges the City to re-model the Project's air quality impact analysis and HRA to account for potential health risks. The updated air quality impact analysis and HRA should include the following air pollutant emission reduction measures:

- Include contractual language in tenant lease agreements that requires all loading/unloading docks and trailer spaces be equipped with electrical hookups for trucks with TRU or auxiliary power units. This requirement will substantially decrease the amount of time that a TRU powered by a fossil-fueled internal combustion engine can operate at the Project-site. Use of zero-emission all-electric plug-in TRUs, hydrogen fuel cell transport refrigeration, and cryogenic transport refrigeration are encouraged and can also be included in lease agreements.

- Include contractual language in tenant lease agreements that requires all TRUs entering the project site be plug-in capable."

This comment is noted. As stated by the commentor, the proposed Project would not include the operation of on-site cold storage uses. However, based on this comment, we have added an additional requirement to Mitigation Measure 3.2-1 (located in Section 3.2: Air Quality of the Draft EIR) to require that TRUs are prohibited from operating within the Project site, consistent with the commentor's request. Specifically, the additional requirement added to Mitigation Measure 3.2-1 states:

> *"Truck refrigeration units (TRUs) shall be prohibited from operating within the Project site, via a condition requiring a restrictive covenant over the Project parcel that prohibits the applicant's use of TRUs on the property;"*

See FEIR Section 3.0: Revisions for further details. No further response is warranted.

Response J-3: The commentor states, "The HRA prepared for the Project and presented in Appendix B.4 (Air Toxics Health Risk Assessment) of the DEIR, concluded that residences near the Project site would be exposed to diesel PM emissions that would result in cancer risks of 3.73 chances per million during Project operation. Since the Project's cancer risks are below the South Coast Air Quality Management District's (SCAQMD) 10 chances per million significance threshold, the DEIR concluded that the Project would result in a less than significant impact on public health. CARB has reviewed the Project's HRA and is concerned that the Project's cancer risk impacts may have been underestimated for the reasons detailed below.

The cancer risk impacts presented in the HRA should have been based on PM10 idling emissions factors obtained from the latest version of CARB's Emission Factors model (EMFAC). As shown in Table 3 (Emission Rates by Source) of the HRA, the City used a 0.0035 grams per hour PM10 idling emission factor to calculate the cancer risk impacts while trucks are idling within the Project site. This PM10 idling emission factor was based on idling test data found in the EMFAC2014 Volume III - Technical Documentation Guidebook. Since the public release of EMFAC2014 in May 2015, CARB has made many updates to the EMFAC model and has released two updated versions: EMFAC2017, released in May 2018, and EMFAC2021, released in January 2021. Some of the updates to the EMFAC model included updates to the heavy-duty truck activity and emission rates, and implementation of CARB's latest regulations. EMFAC2014 underestimated diesel PM emission rates from diesel heavy-duty trucks due to limited in-use test data for engine model year 2010 and newer, thus the Project's mobile source diesel PM emissions are likely underestimated in the DEIR. CARB urges the City and applicant to model and report the Project's air pollution emissions from mobile sources using emission factors found in CARB's latest EMFAC2021. Emission factors can be easily obtained by running the EMFAC2021 Web Database: https://arb.ca.gov/emfac/emissions-inventory.

In the HRA, the City and applicant used mobile emission factors from EMFAC2017 to model cancer risk impacts from trucks traveling within the Project site and along local roadways. The HRA assumed exclusively heavy heavy-duty trucks would serve the proposed warehouse development. According to Appendix D (Traffic Impact Analysis), the Project's total average daily traffic would consist of 9.5 percent heavy heavy-duty trucks, 3.9 percent medium heavy-duty trucks, and 8 percent light heavy-duty trucks. In the latest version of EMFAC, light heavy-duty trucks tend to have higher PM10 idling emission rates and mobile emission rates at lower speeds than larger medium and heavy heavy-duty trucks. Since all trucks servicing the Project were assumed to be heavy-duty trucks, CARB is concerned that the City may have underestimated cancer risks in the Project's HRA.

The Project truck trip roadway distribution presented in the HRA is not consistent with the Project's traffic report. According to Figure 12 (Project Trip Distribution-Trucks) of Appendix D (Traffic Impact Analysis), 85 percent of the Project's total 580 average daily truck trips would travel along Vincent Avenue, between the Project's northern accesses to Arrow Highway. However, the modeling presented in the HRA assumes 45 percent of the Project's total average daily truck trips would travel along this segment of roadway. Since the HRA does not account for 232 heavy-duty truck trips along roadways adjacent to existing residences, CARB is concerned that the City may have underestimated cancer risks in the Project's HRA."

This comment is noted. Based on this comment, we have updated the HRA to incorporate the latest PM emission factors (including for idling and mobile emissions) from the latest version of EMFAC (i.e. EMFAC2021), rather than relying on the EMFAC2014 Volume III – Technical

Documentation Guidebook PM10 idling emission factors and EMFAC2017 for mobile emission factors. This ensures that the emission factors utilize the latest emission factors for the latest EMFAC model.

Separately, in response to the commentor's second concern, we have also updated the HRA to reflect the specific breakdown in truck types as provided in Appendix D (Traffic Impact Analysis), to reflect that the Project's total average daily traffic would consist of 9.5 percent 4+ axle trucks, 3.9 percent 3-axle trucks, and 8 percent 2-axle trucks, as provided within the Traffic Impact Analysis (since, as the commentor notes, in the latest version of EMFAC, lighter heavy-duty trucks tend to have higher PM10 idling emission rates and mobile emission rates at lower speeds than larger heavy-duty trucks). Specifically, based on a close analysis of the Project heavy-duty trucks that would be generated by the Project, the following EMFAC vehicle classes were utilized: T7 Tractor Class 8 (for the 4+ axle trucks), T6 CAIRP Class 7 (for the 3-axle trucks), and T6 CAIRP Class 4 (for the 2-axle trucks), consistent with the Traffic Impact Analysis.

Lastly, in response to the commentor's third concern, the Project truck trip roadway distributed had been modeled correctly. However, the HRA contained within the Draft EIR incorrectly stated that the line volume source that represented the truck route from the Project site to Vincent Avenue (north) and then to Arrow Highway (west) only extended west along Arrow Highway. In fact, the line volume source was modeled to represent a route from the Project site entrance/exit, to Vincent Avenue (north), and then to Arrow Highway (west), consistent with the Traffic Impact Analysis (including Figure 12 – Project Trip Distribution-Trucks). We have updated the HRA document to reflect (as shown in Appendix D) that 85 percent of the Project's total 580 average daily truck trips would travel along Vincent Avenue, between the Project's northern accesses to Arrow Highway. Additional changes to the HRA modeling and the HRA results are provided within the updated version of the HRA (updated to reflect other refinements as identified by CARB and other commentors) (included within FEIR Chapter 3.0 Revisions), which shows that cancer and non-cancer risks would remain below the applicable thresholds. Specifically, after all of the updates to the HRA for the FEIR, the HRA identifies that residential cancer risk would be a maximum of 4.24 per million, workplace cancer risk at a maximum of 0.23 per million, and chronic (non-cancer) risk at below 0.1 (hazard index). No further response is warranted.

Response J-4: The commentor states, "The DEIR includes two mitigation measures (3.2-1 and 3.2-2) to reduce the Project's significant impact on air quality. These mitigation measures include: ensuring the cleanest possible practices and equipment are used during Project construction; installing the necessary infrastructure to support on-site zero and near-zero emission technology; and requiring all service equipment used within the Project-site to be electric or compressed natural gas-powered. Although these mitigation measures would reduce the Project's air pollutant emissions, the DEIR concludes that the Project's impact on air quality would remain significant after mitigation. Even where impacts will remain significant and unavoidable after mitigation, CEQA requires that all feasible mitigation measures be incorporated (see California Public Resources Code§ 21081; 14 CCR§ 15126.2(b)). To meet this requirement, CARB urges the City and applicant to add the emission reduction measures listed below in the FEIR.

- In construction contracts, include language that requires all off-road diesel powered equipment used during Project construction to be equipped with Tier 4 or cleaner engines, except for specialized construction equipment in which Tier 4 engines are not available. In place of Tier 4 engines, off-road equipment can incorporate retrofits that achieve emission reductions that equal or exceed that of a Tier 4 engine.

- In construction contracts, include language that requires all off-road equipment with a power rating below 19 kilowatts (e.g., plate compactors, pressure washers) used during project construction be battery powered.

- In construction contracts, include language that requires all heavy-duty trucks entering the construction site, during the grading and building construction phases be model year 2014 or later. All heavy-duty haul trucks should also meet CARB's lowest optional low-NOx standard starting in the year 2022.

- Include contractual language in tenant lease agreements that requires all heavy-duty trucks entering or on the Project site to be model year 2014 or later, expedite a transition to zero-emission vehicles, and be fully zero-emission beginning in 2030.

- Including language in tenant lease agreements, requiring the installing of vegetative walls or other effective barriers that separate loading docks and people living or working nearby.

This comment is noted. Based on this comment, we have updated Mitigation Measures (3.2-1 and 3.2-2) to incorporate additional language to bolster the mitigation measures further. The following requirement has been added to Mitigation Measure 3.2-1, to reflect these recommendations:

- *Require the installation of vegetative walls or other effective barriers that separate loading docks and people living or working nearby;*

In addition, the following requirements have been added to Mitigation Measure 3.2-2, to reflect these recommendations:

- *Require off-road diesel-powered equipment used during Project construction to be equipped with Tier 4 or cleaner engines, except for specialized construction equipment in which Tier 4 engines are not available. In place of Tier 4 engines, off-road equipment can incorporate retrofits that achieve emission reductions that equal or exceed that of a Tier 4 engine.*

- *Require all off-road equipment with a power rating below 19 kilowatts (e.g., plate compactors, pressure washers) used during project construction be battery powered.*

- *Require that all heavy-duty trucks entering the construction site, during the grading and building construction phases, to be model year 2014 or later. All heavy-duty haul trucks should also meet CARB's lowest optional low-NOx standard starting in the year 2022.*

However, the following recommended measure was considered infeasible due to cost concerns, and therefore was not incorporated into the FEIR:

- *In construction contracts, include language that requires all heavy-duty trucks entering the construction site, during the grading and building construction phases be model year 2014 or later. All heavy-duty haul trucks should also meet CARB's lowest optional low-NOx standard starting in the year 2022.*

See FEIR Section 3.0: Revisions for further detail. No further response is warranted.

Response J-5: The commenter summarizes previous concerns, comments, and suggestions noted in Comments J-2 through J-4.

This comment is noted. Please see Responses J-2 through J-4 for detailed responses. This comment is noted. This comment serves as a conclusion to the comment letter and does not warrant further response.

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[i] City of Irwindale Municipal Code Section 10.40.020.

This section includes minor edits and changes to the Draft Environmental Impact Report (EIR). These modifications resulted from responses to comments received during the public review period for the Draft EIR, and City staff-initiated edits to clarify the details of the Project.

Revisions herein do not result in new significant environmental impacts, do not constitute significant new information, nor do they alter the conclusions of the environmental analysis that would warrant recirculation of the Draft EIR pursuant to State CEQA Guidelines Section 15088.5.

Other minor changes to various sections of the Draft EIR are also shown below. These changes are provided in revision marks with underline for new text and ~~strike out for deleted text~~.

3.1 REVISIONS TO THE DRAFT EIR

ES EXECUTIVE SUMMARY

The following changes were made to pages ES-5, ES-13, and ES-14 of Chapter ES of the Draft EIR:

ENVIRONMENTAL IMPACT	*LEVEL OF SIGNIFICANCE WITHOUT MITIGATION*	*MITIGATION MEASURE*	*RESULTING LEVEL OF SIGNIFICANCE*
AESTHETICS AND VISUAL RESOURCES			
Impact 3.1-3: Project implementation may result in light and glare impacts.	PS	***Mitigation Measure 3.1-1****: A lighting plan for the Project shall be prepared prior to the approval of the Site Plan. The lighting plan shall include light location and details and shall demonstrate that the lighting systems and other exterior lighting throughout the Project site has been designed to minimize light spillage onto adjacent properties to the greatest extent feasible, consistent with the Site Plan and Design Review requirements established in Chapter 17.70 of the City's Municipal Code and the City of Irwindale Commercial and Industrial Design Guidelines (2009). The lighting plan shall be designed for normal levels during operational hours and reduced intensity levels throughout late, non-operational hours (for security purposes), and shall not shine directly in the eyes of pedestrians and shall be shielded to prevent spillover into adjacent residential properties, consistent with the Commercial and Industrial Design Guidelines.*	LS
AIR QUALITY			
Impact 3.2-2: Proposed Project operation has the potential to expose sensitive receptors to substantial pollutant concentrations or result in a cumulatively considerable net	SU	***Mitigation Measure 3.2-1:*** *Prior to the Ccertificate of Ooccupancy issuance, the Project applicant shall demonstrate to the satisfaction of the ~~City of Irwindale~~ Community Development Director~~Manager/City Planner~~ and/or their designee that the following measures would be implemented during Project operations. These measures shall be enforced and maintained through Covenants, Codes, and Restrictions (CC&Rs), or other means acceptable to the City of Irwindale ~~Community Development Manager/City Planner~~Community Development Director and/or their designee.*	SU

ENVIRONMENTAL IMPACT	*LEVEL OF SIGNIFICANCE WITHOUT MITIGATION*	*MITIGATION MEASURE*	*RESULTING LEVEL OF SIGNIFICANCE*
increase of any criteria pollutant for which the Project region is in nonattainment under an applicable federal or state ambient air quality standard.		• *The proposed warehouse shall be constructed with the appropriate infrastructure to facilitate sufficient electric charging for trucks to plug-in in anticipation of future technology, sufficient to allow~~ing~~ for the possibility for all on-site trucks to operate ~~partially on electricity~~with 100% electric powertrains.* • *At least five percent of all vehicle parking spaces shall include rough-in of electrical conduit for future EV charging stations. ~~Further, provisions for future electrical hookups to plug in any onboard auxiliary equipment shall be provided for Project trucks at each dock door location.~~ Electrical panels shall be appropriately sized to allow for future expanded use.* • *Truck refrigeration units (TRUs) shall be prohibited from operating within the Project site, via a condition requiring a restrictive covenant over the Project parcel that prohibits the applicant's use of TRUs on the property;* • *Legible, durable, weather-proof signs shall be placed at truck access gates, loading docks, and truck parking areas that identify applicable California Air Resources Board (CARB) anti-idling regulations. At a minimum each sign shall include: 1) instructions for truck drivers to shut off engines when not in use; 2) instructions for drivers of diesel trucks to restrict idling to no more than five minutes; and 3) telephone numbers of the building facilities manager and CARB to report violations.* • *Limit all on-site vehicle idling to a maximum of five minutes per hour;* • *Maintain a buffer zone of at least 150 feet between truck loading zones/docks and the nearest sensitive receptors.* • *Require the installation of vegetative walls or other effective barriers that separate loading docks and people living or working nearby;* • *All service equipment (i.e., forklifts) used within the site shall be electric or compressed natural gas-powered (propane).* • *In order to promote alternative fuels, and help support "clean" truck fleets, the developer/successor-in-interest shall provide building occupants with information related to SCAQMD's Carl Moyer Program, or other such programs that promote truck retrofits or "clean" vehicles and information including, but not limited to, the health effect of diesel particulates, benefits of reduced idling time, CARB regulations, and importance of not parking in residential areas. Tenants shall be notified about the availability of: 1) alternatively fueled cargo handling equipment; 2) grant programs for diesel-fueled vehicle engine retrofit and/or replacement; 3) designated truck parking locations in the Project vicinity; 4) access to alternative fueling stations proximate to the site that supply compressed natural gas; and 5) the United States Environmental Protection Agency's SmartWay program.*	

ENVIRONMENTAL IMPACT	*LEVEL OF SIGNIFICANCE WITHOUT MITIGATION*	*MITIGATION MEASURE*	*RESULTING LEVEL OF SIGNIFICANCE*
		• *There shall be provisions for preferential on-site parking for carpoolers and vanpools, sufficient to provide an incentive for carpooling and vanpooling to and from the project site.* • *Construct and designate an area within the Project site for employee pick-up to prevent traffic congestion.* • *Submit a truck queuing analysis to the City of Irwindale Engineering Division to ensure that there are no trucks queuing outside of the facility and that truck traffic does not idle on public streets.* • *Submit an employee training handbook to the City of Irwindale that includes the following:* o *Required facility operator management and employee training on efficient scheduling and load management to eliminate unnecessary queuing and idling of trucks;* o *Required facility operator management and employee training on keeping vehicle records in diesel technologies and compliance with CARB regulations;* o *Required facility operator management and employee to attend courses approved by the California Air Resources Board.* • *Submit a transportation demand management program. The transportation demand management plan shall consider:* o *Transit and ridesharing programs that discourage single-occupancy vehicle trips.* o Financial incentives for use of alternative modes of transportation, including carpooling, public transit, and biking.	
Impact 3.2-3: Proposed Project construction has the potential to expose sensitive receptors to substantial pollutant concentrations or result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is in nonattainment under an applicable federal or state	PS	***Mitigation Measure 3.2-2:*** *Prior to the grading permit issuance, the Project applicant shall demonstrate to the satisfaction of the City of Irwindale ~~Community Development Manager/City Planner~~Community Development Director and/or their designee that the following measures would be implemented during Project construction activities. These measures shall be enforced and maintained by the construction contractor throughout construction activities.* • *Ensure the cleanest possible construction practices and equipment are used. This includes eliminating the idling of diesel-powered equipment and providing the necessary infrastructure (e.g. electrical hookups) to support zero and near-zero equipment and tools, and otherwise requiring the use of construction equipment meeting at least the U.S. EPA's Tier IV compliance standards or better for construction equipment greater than 50 horsepower, and/or utilizing construction vehicles that use alternative*	LS

ENVIRONMENTAL IMPACT	*LEVEL OF SIGNIFICANCE WITHOUT MITIGATION*	*MITIGATION MEASURE*	*RESULTING LEVEL OF SIGNIFICANCE*
ambient air quality standard.		*fuels such as compressed natural gas (CNG), propane, electricity or biodiesel~~;~~.* • *Require off-road diesel-powered equipment used during Project construction to be equipped with Tier 4 or cleaner engines, except for specialized construction equipment in which Tier 4 engines are not available. In place of Tier 4 engines, off-road equipment can incorporate retrofits that achieve emission reductions that equal or exceed that of a Tier 4 engine.* • *Require all off-road equipment with a power rating below 19 kilowatts (e.g., plate compactors, pressure washers) used during project construction be battery powered.* • *Implement, and plan accordingly for, the necessary infrastructure to support zero and near-zero emission technology vehicles and equipment that will be operating on-site. Necessary infrastructure ~~may~~ shall include the physical (e.g. needed footprint), energy, and fueling infrastructure for construction equipment, on-site vehicles and equipment, and medium-heavy and heavy-duty trucks.~~;~~* • *Keep on-site and furnish to the lead agency or other regulators upon request, all equipment maintenance records and other data sheets, including design specifications and emission control tier classifications.* • *Require that all heavy-duty trucks entering the construction site, during the grading and building construction phases, to be model year 2014 or later. All heavy-duty haul trucks should also meet CARB's lowest optional low-NOx standard starting in the year 2022.* • *In construction contracts, include language that requires all construction equipment and fleets to be in compliance with all current air quality regulations;* • *Apply water every 3 hours to disturbed areas within a construction site~~;~~.* • *Require minimum soil moisture of 12% for earthmoving by use of a moveable sprinkler system or a water truck. Moisture content can be verified by lab sample or moisture probe.* • *Limit on-site vehicle speeds (on unpaved roads) to 15 mph~~;~~.* • *Replace ground cover in disturbed areas as quickly as possible~~;~~.* • *All trucks hauling dirt, sand, soil, or other loose materials are to be tarped with a fabric cover and maintain a freeboard height of 12 inches.* • *Apply chemical dust suppressant annually to unpaved parking areas.* • *Cover inactive storage piles~~;~~.* • *Sweep streets if visible soil material is carried out from the construction site~~;~~. ~~and/or~~* • *Provide information on transit and ridesharing programs and services to construction employees.* • *Post a publicly visible sign written in English and Spanish, which specifies the telephone number and person to*	

ENVIRONMENTAL IMPACT	*LEVEL OF SIGNIFICANCE WITHOUT MITIGATION*	*MITIGATION MEASURE*	*RESULTING LEVEL OF SIGNIFICANCE*
		contact regarding dust complaints. This person shall respond to complaints and take corrective action within 48 hours. The sign shall be in accordance with SCAQMD and/or City requirements, as applicable ~~*Post a publicly visible sign written in English and Spanish which specifies the telephone number and person to contact regarding dust complaints. This person shall respond to complaints and take corrective action within 48 hours. The sign shall be in accordance with SCAQMD and/or City requirements, as applicable;*~~ ~~*Further, where reasonably feasible, construction equipment should include the use of alternative fuels such as compressed natural gas (CNG), propane, electricity or biodiesel.*~~	
GREENHOUSE GASES AND CLIMATE CHANGE			
Impact 3.4-1: Potential to generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment	PS	***Mitigation Measure 3.4-1:*** *Prior to the Cc~~c~~ertificate of O~~o~~ccupancy issuance, the Project Applicant shall demonstrate to the satisfaction of the City of Irwindale ~~Community Development Manager/City Planner~~Community Development Director and/or their designee that the following measures would be implemented during Project operations. These measures shall be enforced and maintained through Covenants, Codes, and Restrictions (CC&Rs), or other means acceptable to the City of Irwindale ~~Community Development Manager/City Planner~~Community Development Director and/or their designee.* • ~~*Maximize use of solar energy, including solar panels.*~~*Install the maximum ~~possible~~ feasible number of solar energy arrays on the building roof and/or on the Project site to generate on-site solar energy for the facility.* • *Utilize solar energy, on-site and/or off-site, sufficient to provide energy for the entire building's energy consumption on a net annual basis. Purchase off-site energy credits (in part of whole) is allowed, in order to achieve this measure.* • ~~*Maximize the p*~~*Planting ~~of~~ mature trees and shrubs in landscaping and parking lots, to reduce Project heat impacts.* • *Employ the use of ~~light-colored~~solar-reflective cool pavement, which may include~~paving~~ conventional concrete, in the circulation areas surrounding the truck docks within the Project site to reduce heat impacts.* • *Employ the use of light-colored~~and~~ roofing materials for the Project building.* • *Utilize only Energy Star heating, cooling, and lighting devices and appliances.* • *Employ the use of electric or alternatively-fueled sweeper with high-efficiency particulate air (HEPA) filters.*	LS
TRANSPORTATION AND CIRCULATION			
Impact 3.8-3: The proposed Project	~~LS~~PS	***Mitigation Measure 3.8-2:*** *Any operator of a business within the Project site shall provide the City with a Traffic Plan that illustrates*	~~–~~LS

ENVIRONMENTAL IMPACT	*LEVEL OF SIGNIFICANCE WITHOUT MITIGATION*	*MITIGATION MEASURE*	*RESULTING LEVEL OF SIGNIFICANCE*
may substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)		*the routes to be used for truck traffic generated by their business. The Traffic Plan shall include way finding signage to ensure that truck drivers can adequately find the appropriate truck routes that should be used. The Traffic Plan shall identify the location of each sign (on and off site), as well as the example sign to be installed. The Traffic Plan shall identify how the plan will be enforced, methods of residents to file a complaint for non-compliance. The Traffic Plan shall include a provision for the City to charge a penalty for non-compliance with the plan. The Traffic Plan shall clearly indicate that all truck traffic is required to make a left turn out of the Project site onto Vincent Avenue and head north toward Arrow Highway where there are appropriate truck routes. Operators of the warehouse shall be responsible for informing truck drivers of the Traffic Plan, which will identify the appropriate truck routes.*	

1.0 INTRODUCTION

No changes were made to Section 1.0 of the Draft EIR.

2.0 PROJECT DESCRIPTION

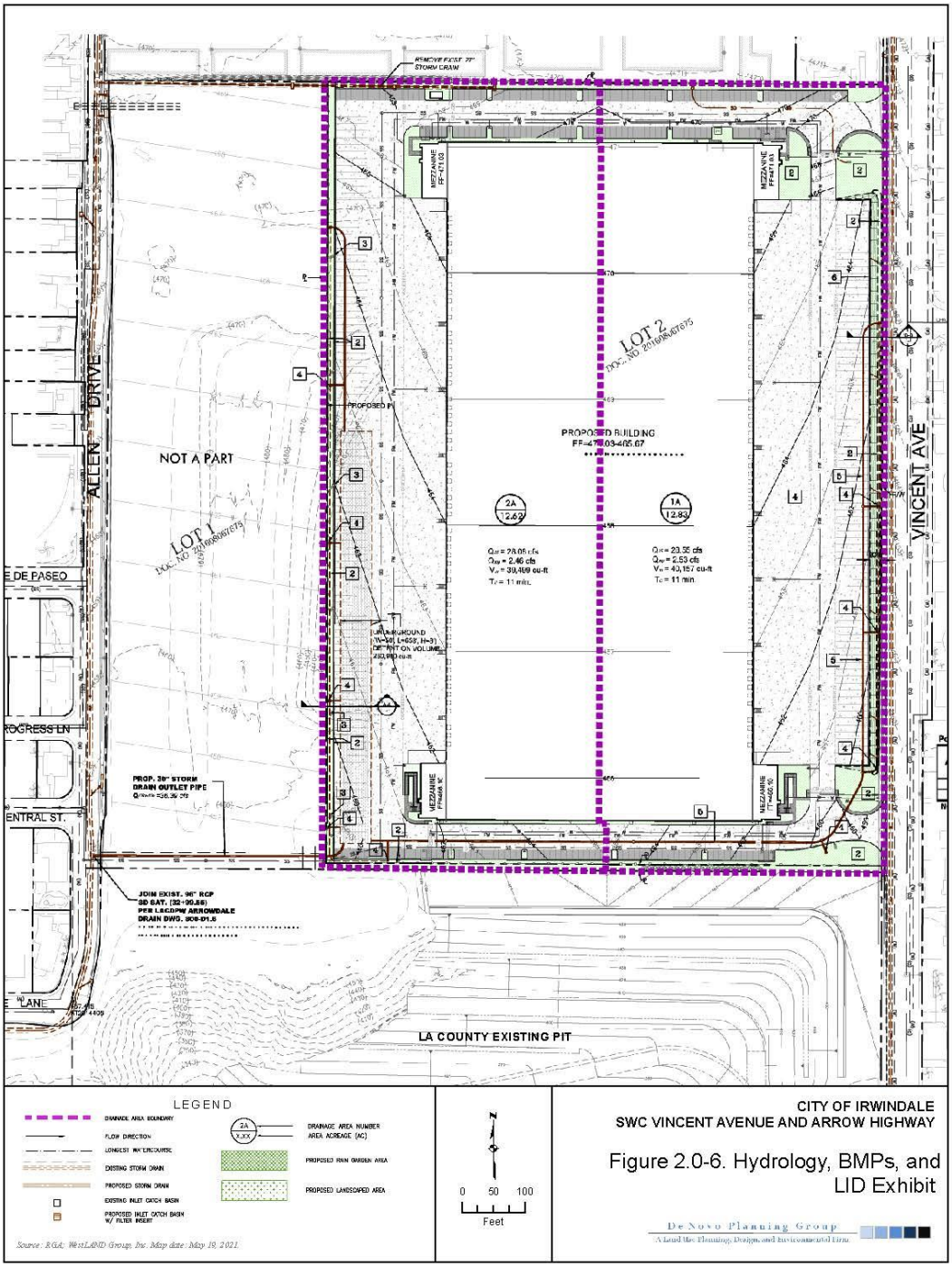
The following change was made to page 2.0-8 of Chapter 2.0 of the Draft EIR:

Storm Drainage

The Project would provide an on-site drainage system consisting of a 48-inch storm drain manhole, a 36-inch by 36-inch catch basin, an 18-inch by 18-inch catch basin, curb drains, and infiltration/detention systems. Biofiltration systems with liners and underdrains would be located around the site perimeter, as well as proprietary high-flow devices. An underground detention system would also be used to mitigate peak flows. Any excess flow would be routed off-site via a 30-inch storm drain pipe prior to ultimately discharging to an existing 90-inch storm drain pipe which is owned and maintained by the Los Angeles County Flood Control District.

The Hydrology, BMP, and LID exhibit is included as Figure 2.0-6.

The Hydrology, BMP, and LID exhibit is shown on the following page:


ALLEN DRIVE
NOT A PART
LOT 1
LOT 2
PROPOSED BUILDING
VINCENT AVE
LA COUNTY EXISTING PIT
LEGEND
DRAINAGE AREA BOUNDARY
FLOW DIRECTION
LONGEST WATERCOURSE
EXISTING STORM DRAIN
PROPOSED STORM DRAIN
EXISTING INLET CATCH BASIN
PROPOSED INLET CATCH BASIN W/ FILTER INSERT
DRAINAGE AREA NUMBER
AREA ACREAGE (AC)
PROPOSED RAIN GARDEN AREA
PROPOSED LANDSCAPED AREA
0 50 100
Feet
CITY OF IRWINDALE
SWC VINCENT AVENUE AND ARROW HIGHWAY
Figure 2.0-6. Hydrology, BMPs, and LID Exhibit
De Novo Planning Group

The following changes were made to page 2.0-9 of Chapter 2.0 of the Draft EIR:

GENERAL PLAN AND ZONING

The Project site is designated as "Industrial/Business Park" and "Residential" by the City's General Plan Land Use Map (Figure 2.0-~~7~~6) and is zoned as M-2 “Heavy Manufacturing” (Figure 2.0-~~8~~7). As shown in Figure 2.0-~~7~~6 and discussed above, the Project applicant is requesting a General Plan Amendment to change the current designation from "Residential" to "Industrial/Business Park" for a 6.93-acre portion of APN 8417-034-016. The Project site is also subject to the Irwindale Commercial & Industrial Design Guidelines.

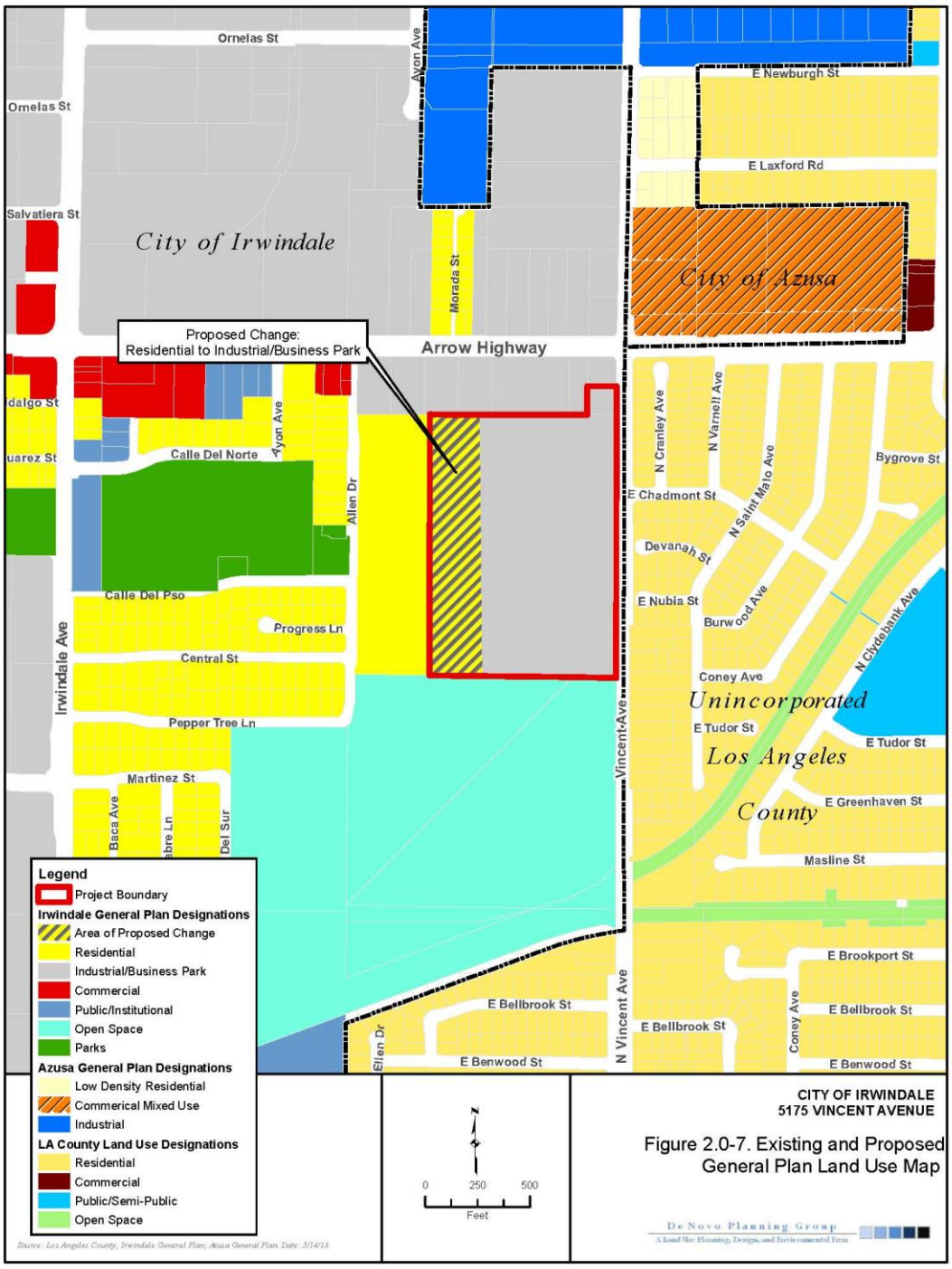
The following changes were made to page 2.0-10 of Chapter 2.0 of the Draft EIR:

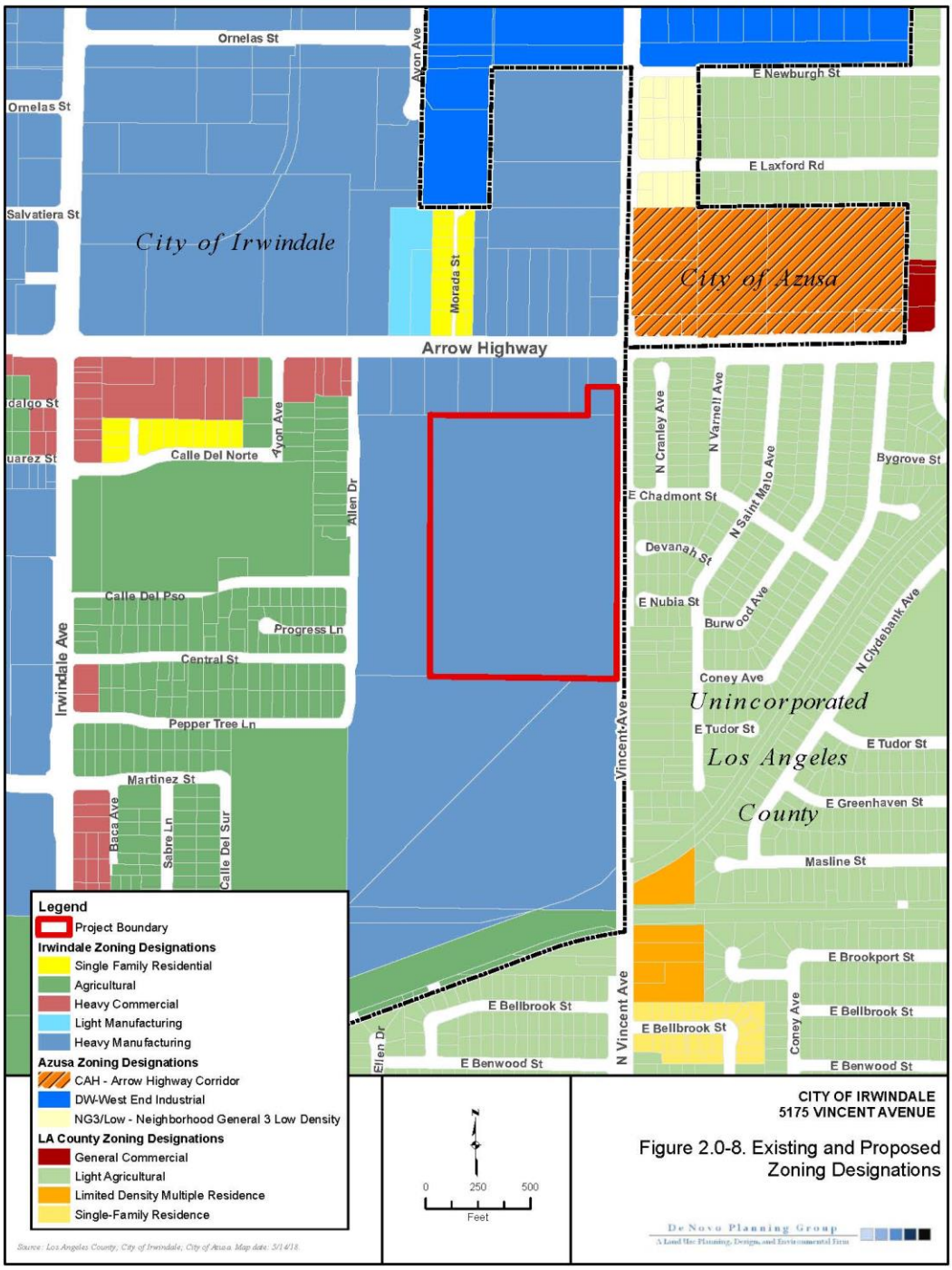
OTHER GOVERNMENTAL AGENCY APPROVALS

~~The following agencies may be required to issue permits or approve certain aspects of the proposed Project.~~ Other governmental agencies that ~~may~~ require approval include, but are not limited to, the following:

- Regional Water Quality Control Board (RWQCB) – Construction activities would be required to be covered under the National Pollution Discharge Elimination System (NPDES);
- RWQCB – The Storm Water Pollution Prevention Plan (SWPPP) would be required to be approved prior to construction activities pursuant to the Clean Water Act;
- South Coast Air Quality Management District (SCAQMD) – Construction activities would be subject to the SCAQMD permits, codes, and requirements.

As a result of the added Hydrology, BMPs, and LID Exhibit (shown previously), the figure numbering for the subsequent figures (Figures 2.0-7 and 2.0-8) also changed. The following changes were made to pages 2.0-21 and 2.0-23 of Chapter 2.0 of the Draft EIR:


Ornelas St
Ayon Ave
E Newburgh St
E Laxford Rd
City of Irwindale
City of Azusa
Morada St
Proposed Change:
Residential to Industrial/Business Park
Arrow Highway
Calle Del Norte
Allen Dr
Calle Del Pso
Progress Ln
Central St
Irwindale Ave
Pepper Tree Ln
Martinez St
Baca Ave
Del Sur
N Cranley Ave
N Varnell Ave
N Saint Malo Ave
Bygrove St
E Chadmont St
Devanah St
E Nubia St
Burwood Ave
N Clydebank Ave
Coney Ave
Unincorporated
Los Angeles
County
E Tudor St
Vincent Ave
E Greenhaven St
Masline St
E Brookport St
E Bellbrook St
E Benwood St
Ellen Dr
Legend
Project Boundary
Irwindale General Plan Designations
Area of Proposed Change
Residential
Industrial/Business Park
Commercial
Public/Institutional
Open Space
Parks
Azusa General Plan Designations
Low Density Residential
Commerical Mixed Use
Industrial
LA County Land Use Designations
Residential
Commercial
Public/Semi-Public
Open Space
0 250 500
Feet
CITY OF IRWINDALE
5175 VINCENT AVENUE
Figure 2.0-7. Existing and Proposed General Plan Land Use Map
De Novo Planning Group


Ornelas St
Ornelas St
Salvatiera St
Avon Ave
City of Irwindale
Morada St
E Newburgh St
E Laxford Rd
City of Azusa
Arrow Highway
dalgo St
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Calle Del Norte
Ayon Ave
Allen Dr
Calle Del Pso
Progress Ln
Central St
Irwindale Ave
Pepper Tree Ln
Martinez St
Baca Ave
Sabre Ln
Calle Del Sur
N Cranley Ave
N Varnell Ave
N Saint Malo Ave
Bygrove St
E Chadmont St
Devanah St
E Nubia St
Burwood Ave
N Clydebank Ave
Coney Ave
Unincorporated
Los Angeles
County
E Tudor St
E Tudor St
Vincent Ave
E Greenhaven St
Masline St
E Brookport St
E Bellbrook St
E Bellbrook St
E Bellbrook St
Coney Ave
Ellen Dr
E Benwood St
N Vincent Ave
E Benwood St
Legend
Project Boundary
Irwindale Zoning Designations
Single Family Residential
Agricultural
Heavy Commercial
Light Manufacturing
Heavy Manufacturing
Azusa Zoning Designations
CAH - Arrow Highway Corridor
DW-West End Industrial
NG3/Low - Neighborhood General 3 Low Density
LA County Zoning Designations
General Commercial
Light Agricultural
Limited Density Multiple Residence
Single-Family Residence
N
0
250
500
Feet
CITY OF IRWINDALE
5175 VINCENT AVENUE
Figure 2.0-8. Existing and Proposed Zoning Designations
De Novo Planning Group

The following changes were made to page 2.0-9 of Chapter 2.0 of the Draft EIR:

GENERAL PLAN AND ZONING

The Project site is designated as "Industrial/Business Park" and "Residential" by the City's General Plan Land Use Map (Figure 2.0-~~7~~6) and is zoned as M-2 "Heavy Manufacturing" (Figure 2.0-~~8~~7). As shown in Figure 2.0-~~7~~6 and discussed above, the Project applicant is requesting a General Plan Amendment to change the current designation from "Residential" to "Industrial/Business Park" for a 6.93-acre portion of APN 8417-034-016. The Project site is also subject to the Irwindale Commercial & Industrial Design Guidelines.

The following changes were made to page 2.0-10 of Chapter 2.0 of the Draft EIR:

OTHER GOVERNMENTAL AGENCY APPROVALS

~~The following agencies may be required to issue permits or approve certain aspects of the proposed Project.~~ Other governmental agencies that ~~may~~ require approval include, but are not limited to, the following:

- Regional Water Quality Control Board (RWQCB) – Construction activities would be required to be covered under the National Pollution Discharge Elimination System (NPDES);
- RWQCB – The Storm Water Pollution Prevention Plan (SWPPP) would be required to be approved prior to construction activities pursuant to the Clean Water Act;
- South Coast Air Quality Management District (SCAQMD) – Construction activities would be subject to the SCAQMD permits, codes, and requirements.

3.1 AESTHETICS AND VISUAL RESOURCES

The following changes were made to page 3.1-9 of Section 3.1 of the Draft EIR:

Mitigation Measure 3.1-1*: A lighting plan for the Project shall be prepared prior to the approval of the Site Plan. The lighting plan shall include light location and details and shall demonstrate that the lighting systems and other exterior lighting throughout the Project site has been designed to minimize light spillage onto adjacent properties to the greatest extent feasible, consistent with the Site Plan and Design Review requirements established in Chapter 17.70 of the City's Municipal Code and the City of Irwindale Commercial and Industrial Design Guidelines (2009). The lighting plan shall be designed for normal levels during operational hours and reduced intensity levels throughout late, non-operational hours (for security purposes), and shall not shine directly in the eyes of pedestrians and shall be shielded to prevent spillover into adjacent residential properties, consistent with the Commercial and Industrial Design Guidelines.*

3.2 AIR QUALITY

The following changes were made to page 3.2-1 of Section 3.2 of the Draft EIR:

The purpose of this section is to describe regional air quality, the current attainment status of the air basin, local sensitive receptors, emission sources, and the impacts that are likely to result from Project implementation. Following this discussion is an assessment of consistency of the proposed Project with applicable policies and local plans. This section is based in part on the following: Air Quality and Land Use Handbook: A Community Health Perspective (California Air Resources Board

[CARB], 2005), Air Quality Analysis Handbook (Southern California Air Quality Management District [SCAQMD], 1993), Final 2016 Air Quality Management Plan (AQMP) (SCAQMD, 2017), 202016 2040 2045 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS) (Southern California Association of Governments [SCAG], 20162020), California Emissions Estimator Model (CalEEMod) (v.2016.3.2) (CAPCOA, 2013), Vincent Avenue Industrial Building Traffic Impact Analysis (Ganddini Group, 2020), and South Coast Air Quality Management District (SCAQMD) Rules Book.

The following changes were made to pages 3.2-16 and 3.2-17 of Section 3.2 of the Draft EIR:

SCAG RTP/SCS

The SCAG is the Metropolitan Planning Organization (MPO) for the region in which the City Irwindale is located. In 20162020, the SCAG adopted the 2016 2020 RTP/SCS of the Southern California Associate of Governments (Connect SoCal): A Plan for Mobility, Accessibility, Sustainability and a High Quality of Life, which is an update to the previous 2012 2016 RTP/SCS (SCAG, 20162020).

The 2016 2020 RTP/SCS considers the role of transportation in the broader context of economic, environmental, and quality-of-life goals for the future, identifying regional transportation strategies to address mobility needs. Rooted in past Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS) plans, Connect SoCal's "Core Vision" centers on maintaining and better managing the transportation network we have for moving people and goods, while expanding mobility choices by locating housing, jobs and transit closer together and increasing investment in transit and complete streets. SCAG's Core Vision includes:

- Demand & System Management: Better managing the existing transportation system through demand management strategies and Intelligent Transportation Systems (ITS) yields significant mobility benefits in a cost-effective manner.
- Goods Movement: The efficient movement of goods is critical to a strong economy and improves quality of life in the SCAG region by providing jobs and access to markets through trade. However, increased volumes of goods moving across the transportation system contribute to greater congestion, safety concerns and harmful emissions. It is critical to integrate land use decisions and technological advancements to minimize environmental and health impacts while fostering continued growth in trade and commerce.
- Complete Streets: Creating "complete streets" that are safe and inviting to all roadway users is critical to increasing mobility choices, reducing traffic fatalities and serious injuries and meeting greenhouse gas reduction targets.
- System Preservation & Resilience: "Fix It First" has been a guiding principle for prioritizing transportation funding in the regional transportation plan for the last decade. The cost of rebuilding roadways is eight times more than preventative maintenance. Preservation of the transportation system can extend the pavement life in a cost effective manner and can also improve safety.
- Transit Backbone: Expanding the transit network and fostering development in transit-oriented communities is central to the region's plan for meeting mobility and sustainability goals while continuing to grow the regional economy.

Progress since 2016: From 2008 to 2016, 71 percent of the region's household growth and 75 percent of the region's job growth occurred in Connect SoCal's priority growth areas. During this same period, only 11 percent of the region's household growth and 5 percent of the job growth occurred in constrained areas like prime farmland, and in areas vulnerable rising seas.

Planning for 2045: From 2016 to 2045, 64 percent of new households and 74 percent of new jobs will occur in priority growth areas. During this same period, roughly 10 percent of new households and 9 percent of new jobs will occur in constrained areas.

SCAG's Sustainable Communities Program supports planning to advance the regional growth vision. In addition, new regional data tools, like the Regional Data Platform, will help local jurisdictions identify areas well suited for infill and redevelopment as well as natural and farm lands to be preserved. Studies and partnerships will also be pursued to establish a Regional Advanced Mitigation Program (RAMP), a strategic habitat and agricultural land conservation-planning program that identifies mitigation solutions for infrastructure projects early in the planning process.~~The 2016 RTP/SCS describes how the region can attain the GHG emission-reduction targets set by the CARB by achieving an 8 percent reduction in passenger vehicle GHG emissions on a per capita basis by 2020, 18 percent reduction by 2035, and 21 percent reduction by 2040 compared to the 2005 level. Although the focus of the 2016 RTP/SCS is on GHG emission-reduction, compliance with and implementation of 2016 RTP/SCS policies and strategies would also have co-benefits of reducing per capita criteria air pollutant and TAC emissions associated with reduced per capita VMT. Improved air quality with implementation of the 2016 RTP/SCS policies would decrease reactive organic gases (ROG) (i.e., VOCs) by 8 percent, CO by 9 percent, NOx by 9 percent, and $PM_{2.5}$ by 5 percent (SCAG, 2016).~~

~~The SCAG's 2016 RTP/SCS builds on the land use policies that were incorporated into the 2012 RTP/SCS, and provides specific strategies for successful implementation. These strategies include development of "complete communities", defined as mixed-use districts that concentrate housing, employment, and a mix of retail and services in close proximity to each other; encouraging employment development around current and planned transit and neighborhood commercial centers; complete streets that meets the needs of all users of the streets, roads and highways including bicyclists, children, persons with disabilities, motorists, electric vehicles, movers of commercial goods, pedestrians, users of public transportation, and seniors; and supporting alternative fueled vehicles. The 2016 RTP/SCS overall land use pattern reinforces the trend of focusing new housing and employment in infill areas well served by transit.~~

~~In addition, the 2016 RTP/SCS includes goals and strategies to promote active transportation and improve transportation demand management (TDM). The 2016 RTP/SCS strategies support local planning and Projects that serve short trips, increase access to transit, expand understanding and consideration of public health in the development of local plans and projects, and support improvements in sidewalk quality, local bike networks, and neighborhood mobility areas. The 2016 RTP/SCS proposes to better align active transportation investments with land use and transportation strategies, increase competitiveness of local agencies for federal and state funding, and to expand the potential for all people to use active transportation.~~

The following changes were made to page 3.2-28 of Section 3.2 of the Draft EIR:

TABLE 3.2-5: OPERATIONAL PROJECT GENERATED EMISSIONS AT FULL BUILDOUT

CATEGORY	ROG	NOX	PM_{10}	$PM_{2.5}$	SO_X	CO
	≤ 55LBS/DAY	≤ 55LBS/DAY	≤ 150 LBS/DAY	≤ 55 LBS/DAY	≤ 150 LBS/DAY	≤ 550 LBS/DAY
Area	12.4	<0.1	<0.1	<0.1	0	0.1
Energy	<0.1	2.7	~~<0.1~~0.2	0.2	<0.1	2.2
Mobile	3.8	5~~8.6~~9.0	26.3	7.2	0.4	61.1
Total	**16.5**	**61.~~3~~6**	**26.~~3~~5**	**7.4**	**0.4**	**63.3**
SCAQMD Threshold Exceeded?	**N**	**Y**	**N**	**N**	**N**	**N**

SOURCES: CALEEMOD (V.2016.3.2)

NOTE: VALUES MAY NOT ADD UP DUE TO ROUNDING.

The following changes were made to page 3.2-29 of Section 3.2 of the Draft EIR:

> Nevertheless, the Project would be required to implement Mitigation Measure 3.2-1, as well as Mitigation Measure 3.4-1.[1] Implementation of CARB and SCAQMD recommendations are incorporated into Mitigation Measure 3.2-1. Mitigation Measure 3.2-1 includes requirements to construct infrastructure to facilitate electric charged for trucks, electric vehicle charging stations, ~~and electrical hookups for trucks with TRUs,~~ and signs identifying anti-idling regulations, enforcement of a buffer zone between truck loading zones/docks and the nearest sensitive receptors, requirements relating to electric or compressed natural gas-powered (propane) forklifts, promotion of "clean" truck fleets, and incorporation of provisions for preferential parking for carpoolers and vanpools.

The following changes were made to pages 3.2-32 and 3.2-33 of Section 3.2 of the Draft EIR:

> CONCLUSION
>
> As shown in Table 3.2-5 and Table 3.2-6, although implementation of the proposed Project would not generate significant concentrations of pollutants at nearby sensitive receptors, the proposed Project is expected to exceed the SCAQMD mass threshold for operational NOx, as modelled. Mitigation is provided under Mitigation Measure 3.2-1 to reduce emissions to the maximum extent feasible. However, even after implementation of these mitigation measures, out of an abundance of caution, operation of the Project would be considered to have a ***significant and unavoidable*** impact related to the potential to expose sensitive receptors to substantial pollutant concentrations or result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is in nonattainment.
>
> It is noted that the end user would be required to comply with the SCAQMD's anticipated final Warehouse Indirect Source Rule (ISR), which would require owners and operators of warehouses to take specific actions each year or pay a mitigation fee or implement a combination of the two. It is anticipated that warehouse owners and operators who do not meet their points requirement would be required to pay a mitigation fee to the SCAQMD.
>
> The proposed Project is required to implement the following mitigation measure.

[1] See Section 3.4 of this Draft EIR for further detail on Mitigation Measure 3.4-1.

MITIGATION MEASURE(S)

Mitigation Measure 3.2-1: *Prior to the Certificate of Occupancy issuance, the Project applicant shall demonstrate to the satisfaction of the City of Irwindale ~~Community Development Manager/City Planner~~Community Development Director and/or their designee that the following measures would be implemented during Project operations. These measures shall be enforced and maintained through Conditions of Approval; Covenants, Codes, and Restrictions (CC&Rs), or other means acceptable to the City of Irwindale ~~Community Development Manager/City Planner~~Community Development Director and/or their designee.*

- *The proposed warehouse shall be constructed with the appropriate infrastructure to facilitate sufficient electric charging for trucks to plug-in in anticipation of future technology, sufficient to allow~~ing~~ for the possibility for all on-site trucks to operate ~~partially on electricity~~with 100% electric powertrains.*
- *At least five percent of all vehicle parking spaces shall include rough-in of electrical conduit for future EV charging stations. ~~Further, provisions for future electrical hookups to plug in any onboard auxiliary equipment shall be provided for Project trucks at each dock door location.~~ Electrical panels shall be appropriately sized to allow for future expanded use.*
- *Truck refrigeration units (TRUs) shall be prohibited from operating within the Project site, via a condition requiring a restrictive covenant over the Project parcel that prohibits the applicant's use of TRUs on the property.~~;~~*
- *Legible, durable, weather-proof signs shall be placed at truck access gates, loading docks, and truck parking areas that identify applicable California Air Resources Board (CARB) anti-idling regulations. At a minimum each sign shall include: 1) instructions for truck drivers to shut off engines when not in use; 2) instructions for drivers of diesel trucks to restrict idling to no more than five minutes; and 3) telephone numbers of the building facilities manager and CARB to report violations.*
- *Limit all on-site vehicle idling to a maximum of five minutes per hour.~~;~~*
- *Maintain a buffer zone of at least 150 feet between truck loading zones/docks and the nearest sensitive receptors.*
- *Require the installation of vegetative walls or other effective barriers that separate loading docks and people living or working nearby~~;~~.*
- *All service equipment (i.e., forklifts) used within the site shall be electric or compressed natural gas-powered (propane).*
- *In order to promote alternative fuels, and help support "clean" truck fleets, the developer/successor-in-interest shall provide building occupants with information related to SCAQMD's Carl Moyer Program, or other such programs that promote truck retrofits or "clean" vehicles and information including, but not limited to, the health effect of diesel particulates, benefits of reduced idling time, CARB regulations, and importance of not parking in residential areas. Tenants shall be notified about the availability of: 1) alternatively fueled cargo handling equipment; 2) grant programs for diesel-fueled vehicle engine retrofit and/or replacement; 3) designated truck parking locations in the Project vicinity; 4) access to alternative fueling stations proximate to the site that supply compressed natural gas; and 5) the United States Environmental Protection Agency's SmartWay program.*
- *There shall be provisions for preferential on-site parking for carpoolers and vanpools, sufficient to provide an incentive for carpooling and vanpooling to and from the project site.*
- *Construct and designate an area within the Project site for employee pick-up to prevent traffic congestion.*

- *Submit a truck queuing analysis to the City of Irwindale Engineering Division to ensure that there are no trucks queuing outside of the facility and that truck traffic does not idle on public streets.*
- *Submit an employee training handbook to the City of Irwindale that includes the following:*
    - *Required facility operator management and employee training on efficient scheduling and load management to eliminate unnecessary queuing and idling of trucks;*
    - *Required facility operator management and employee training on keeping vehicle records in diesel technologies and compliance with CARB regulations;*
    - *Required facility operator management and employee to attend courses approved by the California Air Resources Board.*
- *Submit a transportation demand management program. The transportation demand management plan shall consider:*
    - *Transit and ridesharing programs that discourage single-occupancy vehicle trips.*
    - *Financial incentives for use of alternative modes of transportation, including carpooling, public transit, and biking.*

The following changes were made to page 3.2-33 and of Section 3.2 of the Draft EIR:

Impact 3.2-3: Proposed Project construction has the potential to expose sensitive receptors to substantial pollutant concentrations or result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is in nonattainment under an applicable federal or state ambient air quality standard. (Less than Significant with Mitigation)

Construction-related activities would result in temporary, short-term emissions of DPM from the exhaust of off-road, heavy-duty diesel equipment for site preparation (e.g., clearing, grading); ~~soil hauling truck traffic;~~ paving; application of architectural coatings; and other miscellaneous activities. No soil import or export would be required during Project construction, since precise grading of the Project site occurred during the remediation and filling of the Manning pit completed in January 2019. For construction activity, DPM is the primary TAC of concern. Particulate exhaust emissions from diesel-fueled engines (i.e., DPM) were identified as a TAC by the CARB in 1998. The potential cancer risk from the inhalation of DPM, as discussed below, outweighs the potential for all other health impacts (i.e., non-cancer chronic risk, short-term acute risk) and health impacts from other TACs. Accordingly, DPM is the focus of this discussion.

The following changes were made to page 3.2-34 of Section 3.2 of the Draft EIR:

TABLE 3.2-7: CONSTRUCTION-RELATED PROJECT GENERATED EMISSIONS (POUNDS/DAY) (MITIGATED)

CONSTRUCTION YEAR	ROG	NO_X	PM_{10}	$PM_{2.5}$	SO_X	CO
	≤ 75 LBS/DAY	≤ 100 LBS/DAY	≤ 150 LBS/DAY	≤ 55 LBS/DAY	≤ 150 LBS/DAY	≤ 550 LBS/DAY
2021	~~4.8~~3.8	~~46.5~~23.9	~~9.3~~10.3	~~5.8~~5.7	0.1	~~40.6~~51.2
2022	~~35.6~~29.5	~~35.9~~23.4	~~8.6~~7.9	~~3.0~~2.3	~~0.1~~0.2	~~44.0~~56.4
2023	~~35.2~~29.2	~~30.3~~19.0	~~8.5~~7.8	~~2.8~~2.3	~~0.1~~0.2	~~41.8~~54.3
Maximum	**~~35.6~~29.5**	**~~46.5~~23.9**	**~~9.3~~10.3**	**~~5.8~~5.7**	**~~0.1~~0.2**	**~~44.0~~56.4**
SCAQMD Threshold Exceeded?	**No**	**No**	**No**	**No**	**No**	**No**

NOTE: VALUES MAY NOT ADD UP DUE TO ROUNDING.
SOURCE: CALEEMOD (V.2016.3.2)

The following changes were made to pages 3.2-34 to 3.2-37 of Section 3.2 of the Draft EIR:

For this Project, the appropriate SRA for the LSTs is the East San Gabriel Valley SRA 9. LSTs apply to CO, NO_2, PM_{10}, and $PM_{2.5}$. The proposed Project would disturb ±26.05 acres during construction. As previously described, the SCAQMD has produced lookup tables for Projects that disturb less than or equal to five acres daily. The maximum daily disturbed-acreage for comparison to LSTs would be 5 acres (during both Project site preparation and grading phases of construction). ~~The SCAQMD has also issued guidance on applying the CalEEMod emissions software to LSTs for Projects greater than five acres. Since CalEEMod calculates construction emissions based on the number of equipment hours and the maximum daily soil disturbance activity possible for each piece of equipment, Table 3.2-8 is used to determine the maximum daily disturbed-acreage for comparison to LSTs.~~

~~Table 3.2-8: Equipment-Specific Grading Rates~~

~~*CONSTRUCTION PHASE*~~	~~*EQUIPMENT TYPE*~~	~~*ACRES GRADED/ DISTURBED PER 8-HOUR DAY*~~	~~*EQUIPMENT QUANTITY*~~	~~*OPERATION HOURS PER DAY*~~	~~*ACRES GRADED PER DAY*~~
~~**Site Preparation**~~	~~Rubber Tired Dozers~~	~~0.5~~	~~3~~	~~8~~	~~1.5~~
	~~Tractors/Loaders/Backhoes~~	~~0.5~~	~~4~~	~~8~~	~~2.0~~
	~~**Site Preparation Total:**~~				~~3.5~~
~~**Grading**~~	~~Excavators~~	~~0~~	~~2~~	~~8~~	~~0~~
	~~Graders~~	~~0.5~~	~~1~~	~~8~~	~~0.5~~
	~~Rubber Tired Dozers~~	~~0.5~~	~~1~~	~~8~~	~~0.5~~
	~~Scrapers~~	~~1.0~~	~~2~~	~~8~~	~~2.0~~
	~~Tractors/Loaders/Backhoes~~	~~0.5~~	~~2~~	~~8~~	~~1.0~~
	~~**Grading Total:**~~				~~**4.0**~~
~~**Maximum Total Acres Graded per Day:**~~					~~**4.0**~~

~~As shown in Table 3.2-8, Project implementation could potentially disturb up to 3.5 acres daily during the site preparation phase of construction, and 4.0 acres daily during the grading phase of construction. Thus, the LST threshold value for a 3.5-acre construction site was sourced from the LST lookup tables for site preparation and the LST threshold value for a 4.0-acre construction site was sourced from the LST lookup tables for Project grading activities.~~

The nearest sensitive receptors to the Project site are the residences located to the east of the Project site (approximately 75 feet). LST thresholds are provided for distances to sensitive receptors of 25, 50, 100, 200, and 500 meters. Therefore, LSTs for receptors located at 25 meters were utilized in this analysis. The SCAQMD's methodology clearly states that "off-site mobile emissions from a Project should not be included in the emissions compared to LSTs." Therefore, for purposes of the construction LST analysis, only emissions included in the CalEEMod "onsite" emissions outputs were considered. Table 3.2-9 presents the results of localized emissions during the site preparation and grading phases of construction. The LSTs reflect a maximum disturbance of ~~3.5~~5 acres daily during site preparation ~~activities~~ and ~~4.0 acres daily during~~ grading activities, at 25 meters for the proposed Project. ~~–~~It should be noted that the following values reflect incorporation of ~~required~~ applicable SCAQMD ~~–~~requirements, including watering exposed areas three times daily and limiting vehicle speeds on unpaved roads to 15 miles per hour, which are considered as "mitigation" within CalEEMod. Additionally, the values utilize some of the requirements contained in Mitigation Measure 3.2-2, including the requirement to use construction equipment that meets at least the U.S. EPA's Tier IV compliance standards or better for construction equipment greater than 50 horsepower.

Table 3.2-9 shows that the maximum air pollutant emissions resulting from Project construction would not result in significant concentrations of pollutants at nearby sensitive receptors. Therefore, impacts concerning LSTs during construction activities would be less than significant.

TABLE 3.2-~~9~~8: CONSTRUCTION-RELATED EMISSIONS ATTRIBUTABLE TO PROJECT BUILDOUT (LST ANALYSIS)

ACTIVITY	POLLUTANT (POUNDS PER DAY)			
	NOX	PM_{10}	$PM_{2.5}$	CO
Project Site Preparation	~~40.5~~3.0	~~9.1~~10.1	~~5.8~~5.6	~~21.2~~31.3
SCAQMD LST (~~3.5~~5 acres of disturbance)	**165.5**	**~~10.5~~14**	**~~6.5~~8**	**1,343**
Project Site Grading	~~46.4~~5.0	~~4.6~~5.0	~~3.1~~2.2	~~30.9~~49.5
SCAQMD LST (5~~4.0~~ acres of disturbance)	**173**	**~~11.2~~14**	**~~6.8~~8**	**1,421**

SOURCE: CALEEMOD (V.2016.3.2).

CONCLUSION

As provided in Tables 3.2-7 and 3.2-~~9~~8, compliance with federal, State, SCAQMD, and other local regulations and requirements, would ensure the Project would not cause a violation of an air quality standard or contribute substantially to an existing or projected air quality violation, with respect to the construction of the proposed Project. The proposed Project would be required to implement Mitigation Measure 3.2-2, which would ensure that the proposed Project would have a ***less than significant*** impact related to the potential to expose sensitive receptors to substantial pollutant concentrations or result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is in nonattainment.

MITIGATION MEASURE(S)

Mitigation Measure 3.2-2*: Prior to the grading permit issuance, the Project applicant shall demonstrate to the satisfaction of the City of Irwindale Community Development Department Manager/City Planner and/or their designee that the following measures would be implemented during Project construction activities. These measures shall be enforced and maintained by the construction contractor throughout construction activities.*

- *Ensure the cleanest possible construction practices and equipment are used. This includes eliminating the idling of diesel-powered equipment and providing the necessary infrastructure (e.g. electrical hookups) to support zero and near-zero equipment and tools, and otherwise requiring the use of construction equipment meeting at least the U.S. EPA's Tier IV compliance standards or better for construction equipment greater than 50 horsepower, and/or utilizing construction vehicles that use alternative fuels such as compressed natural gas (CNG), propane, electricity or biodiesel; ~~;~~*
- *Require off-road diesel-powered equipment used during Project construction to be equipped with Tier 4 or cleaner engines, except for specialized construction equipment in which Tier 4 engines are not available. In place of Tier 4 engines, off-road equipment can incorporate retrofits that achieve emission reductions that equal or exceed that of a Tier 4 engine.*
- *Require all off-road equipment with a power rating below 19 kilowatts (e.g., plate compactors, pressure washers) used during project construction be battery powered.*
- ~~•~~
- *Implement, and plan accordingly for, the necessary infrastructure to support zero and near-zero emission technology vehicles and equipment that will be operating on-site. Necessary infrastructure ~~may~~ shall include the physical (e.g. needed footprint), energy, and fueling infrastructure for construction equipment, on-site vehicles and equipment, and medium-heavy and heavy-duty trucks; ~~;~~*
- *In construction contracts, include language that requires all construction equipment and fleets to be in compliance with all current air quality regulations; ~~;~~*
- *Keep on-site and furnish to the lead agency or other regulators upon request, all equipment maintenance records and other data sheets, including design specifications and emission control tier classifications; ~~;~~*
- *Require that all heavy-duty trucks entering the construction site, during the grading and building construction phases, to be model year 2014 or later. All heavy-duty haul trucks should also meet CARB's lowest optional low-NOx standard starting in the year 2022.*
- *Apply water every 3 hours to disturbed areas within a construction site; ~~;~~*
- *Require minimum soil moisture of 12% for earthmoving by use of a moveable sprinkler system or a water truck. Moisture content can be verified by lab sample or moisture probe.*
- *Limit on-site vehicle speeds (on unpaved roads) to 15 mph; ~~;~~*
- *Replace ground cover in disturbed areas as quickly as possible; ~~;~~*
- *All trucks hauling dirt, sand, soil, or other loose materials are to be tarped with a fabric cover and maintain a freeboard height of 12 inches.*
- *Apply chemical dust suppressant annually to unpaved parking areas.*
- *Cover inactive storage piles; ~~;~~*
- *Sweep streets if visible soil material is carried out from the construction site; ~~and/or~~*
- *Provide information on transit and ridesharing programs and services to construction employees. ~~;~~ ~~and~~*

- *Post a publicly visible sign written in English and Spanish, which specifies the telephone number and person to contact regarding dust complaints. This person shall respond to complaints and take corrective action within 48 hours. The sign shall be in accordance with SCAQMD and/or City requirements, as applicable~~;~~*
- *~~Further, where reasonably feasible, construction equipment should include the use of alternative fuels such as compressed natural gas (CNG), propane, electricity or biodiesel.~~*

The following changes were made to page 3.2-39 to 3.2-41 of Section 3.2 of the Draft EIR:

The CARB published the *Air Quality and Land Use Handbook: A Community Health Perspective* (2005) to provide information to local planners and decision-makers about land use compatibility issues associated with emissions from industrial, commercial and mobile sources of air pollution. The CARB Handbook indicates that mobile sources continue to be the largest overall contributors to State air pollution problems, representing the greatest air pollution health risk to most Californians. The most serious pollutants on a statewide basis include diesel exhaust particulate matter (diesel PM), benzene, and 1,3-butadiene, all of which may be emitted by motor vehicles (especially heavy-duty trucks). These mobile source air toxics are largely associated with freeways and high traffic roads. Non-mobile source air toxics are largely associated with industrial and commercial uses. Table 3.2-~~10~~ 9 provides the CARB minimum separation recommendations on siting sensitive land uses.

The Project site is not located adjacent to a rail yard, port, refinery, chrome plater, dry cleaner, or gasoline dispensing facility. The Project site is located approximately 1.4 miles from Interstate 210 (I-210). Air toxics are considered a concern along I-210 because it is a major transportation corridor for large diesel trucks that are known to emit diesel particulates. However, given the distance from the Project site, there are no sensitive land uses proposed within the Project site that would be significantly affected by I-210.

However, there are sensitive residential land uses located to the east and west of the Project site. There is the potential that sensitive land uses could potentially be affected by the operational activities of the proposed Project (including from the increase in diesel trucks traveling to and from the Project site). Therefore, an air toxics health risk analysis (HRA) was conducted utilizing Lakes Environmental Software AERMOD and the ARB's Hotspots Analysis Reporting Program Version 2 (HARP 2) Air Dispersion, Modelling, and Risk Tool (ADMRT). Truck idling, truck on-site mobile, and TRU diesel particulate matter (DPM) emissions were calculated. The residential (30-year exposure) cancer, workplace (~~30~~25-year exposure) cancer, chronic (non-cancer), and acute (non-cancer) risks were assessed and compared to SCAQMD thresholds. See Appendix B.4 for full model inputs. Table 3.2-~~11~~ 10 summarizes the results of the analysis.

TABLE 3.2-~~10~~9: CARB MINIMUM SEPARATION RECOMMENDATIONS ON SITING SENSITIVE LAND USES

SOURCE CATEGORY	*ADVISORY RECOMMENDATIONS*
Freeways and High-Traffic Roads	• Avoid siting new sensitive land uses within 500 feet of a freeway, urban roads with 100,000 vehicles/day, or rural roads with 50,000 vehicles/day.[1]
Distribution Centers	• Avoid siting new sensitive land uses within 1,000 feet of a distribution center (that accommodates more than 100 trucks per day, more than 40 trucks with operating transport refrigeration units (TRUs) per day, or where TRU unit operations exceed 300 hours per week). • Take into account the configuration of existing distribution centers and avoid locating residences and other new sensitive land uses near entry and exit points.
Rail Yards	• Avoid siting new sensitive land uses within 1,000 feet of a major service and maintenance rail yard. • Within one mile of a rail yard, consider possible siting limitations and mitigation approaches.
Ports	• Avoid siting of new sensitive land uses immediately downwind of ports in the most heavily impacted zones. Consult local air districts or the CARB on the status of pending analyses of health risks.
Refineries	• Avoid siting new sensitive land uses immediately downwind of petroleum refineries. Consult with local air districts and other local agencies to determine an appropriate separation.
Chrome Platers	• Avoid siting new sensitive land uses within 1,000 feet of a chrome plater.
Dry Cleaners Using Perchloro-ethylene	• Avoid siting new sensitive land uses within 300 feet of any dry cleaning operation. For operations with two or more machines, provide 500 feet. For operations with 3 or more machines, consult with the local air district. • Do not site new sensitive land uses in the same building with perc dry cleaning operations.
Gasoline Dispensing Facilities	• Avoid siting new sensitive land uses within 300 feet of a large gas station (defined as a facility with a throughput of 3.6 million gallons per year or greater). A 50 foot separation is recommended for typical gas dispensing facilities.

SOURCE: AIR QUALITY AND LAND USE HANDBOOK: A COMMUNITY HEALTH PERSPECTIVE (CARB 2005)

TABLE 3.2-~~11~~10: SUMMARY OF MAXIMUM HEALTH RISKS

RISK METRIC	*MAXIMUM RISK (PER MILLION PERSONS)*	*SIGNIFICANCE THRESHOLD*	*IS THRESHOLD EXCEEDED?*
Residential Cancer Risk (30-year exposure)[1]	~~3.73~~4.24	10 per million	No
Workplace Cancer Risk (25-year exposure)[2]	0.~~26~~23	10 per million	No
Chronic (non-cancer)	<0.01	Hazard Index ≥1	No
Acute (non-cancer)[3]	0	Hazard Index ≥1	No

NOTES: [1]THE MAXIMUM RESIDENTIAL CANCER RISK WOULD BE FOR A RESIDENCE LOCATED APPROXIMATELY 75 FEET TO THE EAST OF THE PROJECT SITE. THE INCREMENTAL RESIDENTIAL CANCER RISK (30-YEAR EXPOSURE) AT THIS LOCATION IS PROVIDED WITHIN THIS TABLE.[2]THE VALUE PROVIDED FOR MAXIMUM WORKPLACE CANCER RISK IS THE MAXIMUM VALUE PROVIDED AT THE NEAREST WORKPLACE LOCATION, LOCATED APPROXIMATELY 5 FEET TO THE NORTH OF THE PROJECT SITE. [3]ACUTE (NON-CANCER) RISKS WERE NOT ESTIMATED, SINCE DPM DOES NOT HAVE SHORT-TERM TOXICITY VALUES.

SOURCES: AERMOD 9.9.~~0~~5 (V.19191) (LAKES ENVIRONMENTAL SOFTWARE, ~~2020~~2021); AND HARP-2 ADMRT.

As shown in Table 3.2-~~11~~10, the proposed Project, in and of itself, would not result in a significant increased exposure of receptors to localized concentrations of TACs during project operation. Risk of residential cancer risk, workplace cancer risk, and chronic and acute non-cancer risks are below the applicable SCAQMD thresholds.

~~It should be noted that Project construction TACs were not modeled using AERMOD since both maximum and annual mitigated PM_{10} emissions during Project construction would be fewer than those emissions during project operation (as provided in the CalEEMod results provided in Appendix B). Moreover, construction DPM emissions would tend to be located more toward the geographic center of the Project site, compared with vehicles generated by the Project during the Project's operational phase. Since maximum risks from TACs to nearby receptors are demonstrated during Project operation would be less than the maximum risk thresholds provided by SCAQMD, and since emission of construction TACs (i.e. DPM) would be less than during Project operation (both maximum and annual risks), and since construction activities would be temporary and would occur prior to Project operation, risks from construction TACs would also be below the applicable SCAQMD thresholds.~~

Therefore, implementation of the proposed Project would cause a ***less than significant*** impact relative to this topic.

CONCLUSION

The Project does not propose sensitive receptors that could be exposed to odors in the vicinity; nor does it propose uses that would create odors that could expose receptors in the area. Therefore, operation of the proposed Project would not result in significant objectionable odors. Impacts associated with exposure to odors would be ***less than significant.***

This Project is located in an area that is designated unclassified/attainment for carbon monoxide. Therefore, no Project-level conformity analysis is necessary for CO. Substantial concentrations of carbon monoxide are not expected at or along any streets or intersections affected by the development of the Project site. Impacts associated with carbon monoxide hotspots would be ***less than significant,*** and no additional mitigation is required.

Additionally, implementation of the proposed Project, in and of itself, would not result in a~~n~~ significant increased exposure of sensitive receptors to localized concentrations of TACs.

Therefore, overall, air quality impacts associated with other emissions would be ***less than significant***.

3.3 GEOLOGY AND SOILS

No changes were made to Chapter 3.3 of the Draft EIR.

3.4 GREENHOUSE GASES AND CLIMATE CHANGE

The following changes were made to page 3.4-1 of Section 3.4 of the Draft EIR:

The purpose of this section is to describe regional greenhouse gas (GHG) emissions, climate change, and energy conservation impacts that could result from implementation of the proposed Project. This section provides a background discussion of GHG and climate change linkages and effects of global climate change. This section also provides background discussion on the energy conservation components of the proposed Project. This section is organized with an existing setting, regulatory setting, approach/methodology, and impact analysis. The analysis and discussion of the GHG, climate change, and energy impacts in this section focuses on the proposed Project's consistency with local, regional, statewide, and federal climate change planning and energy conservation efforts and discusses the context of these planning efforts as they relate to the proposed Project. Disclosures of

the proposed Project's total estimated energy usage and GHG emissions are provided. This section is based in part on the following: Air Quality and Land Use Handbook: A Community Health Perspective (California Air Resources Board, 2005), Air Quality Analysis Handbook (SCAQMD, 1993), Final 2016 AQMP (SCAQMD, 2017), 2020–2045 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS) (Southern California Association of Governments [SCAG], 2020)~~2016–2040 RTP/SCS (SCAG, 2016)~~, CalEEMod (v.2016.3.2) (CAPCOA, 2013), Vincent Avenue Industrial Building Traffic Impact Analysis (Ganddini Group, 2020), and South Coast Air Quality Management District (SCAQMD) Rules and regulations.

The following changes were made to page 3.4-25 of Section 3.4 of the Draft EIR:

Southern California Association of Governments

The SCAG is the Metropolitan Planning Organization (MPO) for the region in which the City Irwindale is located. In 2020, the SCAG adopted the 2020 RTP/SCS of the Southern California Associate of Governments (Connect SoCal), which is an update to the previous 2016 RTP/SCS (SCAG, 2020).

The 2020 RTP/SCS considers the role of transportation in the broader context of economic, environmental, and quality-of-life goals for the future, identifying regional transportation strategies to address mobility needs. Rooted in past Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS) plans, Connect SoCal's "Core Vision" centers on maintaining and better managing the transportation network we have for moving people and goods, while expanding mobility choices by locating housing, jobs and transit closer together and increasing investment in transit and complete streets. SCAG's Core Vision includes:

- Demand & System Management: Better managing the existing transportation system through demand management strategies and Intelligent Transportation Systems (ITS) yields significant mobility benefits in a cost-effective manner.
- Goods Movement: The efficient movement of goods is critical to a strong economy and improves quality of life in the SCAG region by providing jobs and access to markets through trade. However, increased volumes of goods moving across the transportation system contribute to greater congestion, safety concerns and harmful emissions. It is critical to integrate land use decisions and technological advancements to minimize environmental and health impacts while fostering continued growth in trade and commerce.
- Complete Streets: Creating "complete streets" that are safe and inviting to all roadway users is critical to increasing mobility choices, reducing traffic fatalities and serious injuries and meeting greenhouse gas reduction targets.
- System Preservation & Resilience: "Fix It First" has been a guiding principle for prioritizing transportation funding in the regional transportation plan for the last decade. The cost of rebuilding roadways is eight times more than preventative maintenance. Preservation of the transportation system can extend the pavement life in a cost effective manner and can also improve safety.
- Transit Backbone: Expanding the transit network and fostering development in transit-oriented communities is central to the region's plan for meeting mobility and sustainability goals while continuing to grow the regional economy.

Progress since 2016: From 2008 to 2016, 71 percent of the region's household growth and 75 percent of the region's job growth occurred in Connect SoCal's priority growth areas. During this same period,

only 11 percent of the region's household growth and 5 percent of the job growth occurred in constrained areas like prime farmland, and in areas vulnerable rising seas.

Planning for 2045: From 2016 to 2045, 64 percent of new households and 74 percent of new jobs will occur in priority growth areas. During this same period, roughly 10 percent of new households and 9 percent of new jobs will occur in constrained areas.

SCAG's Sustainable Communities Program supports planning to advance the regional growth vision. In addition, new regional data tools, like the Regional Data Platform, will help local jurisdictions identify areas well suited for infill and redevelopment as well as natural and farm lands to be preserved. Studies and partnerships will also be pursued to establish a Regional Advanced Mitigation Program (RAMP), a strategic habitat and agricultural land conservation-planning program that identifies mitigation solutions for infrastructure projects early in the planning process.~~On April 7, 2016, the SCAG Regional Council adopted the 2016-2040 Regional Transportation Plan/ Sustainable Communities Strategy (2016 RTP/SCS). The 2016 RTP/SCS charts a course for closely integrating land use and transportation – so that the region can grow smartly and sustainably. It was prepared through a collaborative, continuous, and comprehensive process with input from local governments, county transportation commissions, tribal governments, non-profit organizations, businesses and local stakeholders within the counties of Imperial, Los Angeles, Orange, Riverside, San Bernardino, and Ventura. The 2016 RTP/SCS is a long-range visioning plan that balances future mobility and housing needs with economic, environmental and public health goals. The SCAG region strives toward sustainability through integrated land use and transportation planning. The SCAG region must achieve specific federal air quality standards and is required by State law to lower regional GHG emissions.~~

The following changes were made to page 3.4-26 of Section 3.4 of the Draft EIR:

For the purposes of this evaluation, the Proposed Project will first be compared to the SCAQMD numeric bright-line threshold of 10,000 metric tons of CO_2e annually for industrial projects. The Project is also evaluated for compliance with SCAG's ~~2016~~2020 ~~2040~~2045 RTP/SCS, which establishes an overall GHG target for the Project region consistent with both the target date of AB 32 (2020) and the post-2020 GHG reduction goals of SB 32.

The following changes were made to page 3.4-27 ad 3.4-28 of Section 3.4 of the Draft EIR:

SHORT-TERM CONSTRUCTION GHG EMISSIONS

Construction-related activities that would generate GHG emissions include worker commute trips, haul trucks carrying supplies and materials to and from the Project site, and off-road construction equipment (e.g., dozers, loaders, excavators). Table 3.4-1 illustrates the specific construction-generated GHG emissions that would result from construction of the Project.

TABLE 3.4-1: CONSTRUCTION GHG EMISSIONS (UNMITIGATED AVERAGE MT CO_2E/YEAR)

YEAR	BIO-CO_2	NON-BIO-CO_2	TOTAL CO_2	CH_4	N_2O	CO_2E
2021	0	1,320.9~~932.0~~	1,320.9~~932.0~~	<1	0	1,325.8~~934.9~~
2022	0	2,088.1~~1,540.3~~	2,088.1~~1,540.3~~	<1	0	2,093.3~~1,543.5~~
2023	0	492.8~~353.2~~	492.8~~353.2~~	<1	0	~~353.1~~494.2
Total	**0**	**~~2,825.5~~3,901.8**	**3,901.8~~2,825.5~~**	**<1**	**0**	**~~2,831.5~~3,913.3**
Annual Maximum	**0**	**2,088.1~~1,540.3~~**	**2,088.1~~1,540.3~~**	**<1**	**0**	**2,093.3~~1,543.5~~**

SOURCE: CALEEMOD (V.2016.3.2)

As shown in Table 3.4-1, Project construction would result in the generation of approximately 2,831.5 metric tons of CO_2e over the course of construction. Once construction is complete, the generation of these GHG emissions would cease. The amortized construction emissions are added to the annual average operational emissions.

LONG-TERM OPERATIONAL GHG EMISSIONS

Operation of the Project would result in GHG emissions predominantly associated with motor vehicle use. Long-term operational GHG emissions attributable to the Project are identified in Table 3.4-2 and compared to SCAQMD's interim screening level numeric bright-line threshold of 10,000 metric tons of CO_2e annually. As previously described, operational GHG emissions were based on the Project site plans and the estimated traffic trip generation rates and Project fleet mix provided in the Traffic Impact Analysis (Ganddini Group, 2020).

TABLE 3.4-2: OPERATIONAL GHG EMISSIONS AT BUILDOUT (METRIC TONS/YEAR)

EMISSIONS SOURCE	TOTAL CO_2
Construction Emissions (amortized over the 30-year life of the Project)	~~94.4~~130.4
Area Source	<0.1
Energy	2,039.1
Mobile	6,747.9
Solid Waste	340.4
Water	578.3
Total Emissions	**9,8~~00.1~~36.1**

NOTE: TOTALS MAY NOT ADD UP DUE TO ROUNDING.
SOURCE: CALEEMOD (V.2016.3.2)

The following changes were made to page 3.4-30 and 3.4-33 of Section 3.4 of the Draft EIR:

MITIGATION MEASURE(S)

Mitigation Measure 3.4-1: *Prior to the Certificate of Occupancy issuance, the Project Applicant shall demonstrate to the satisfaction of the City of Irwindale ~~Community Development Manager/City Planner~~Community Development Director and/or their designee that the following measures would be implemented during Project operations. These measures shall be enforced and maintained through Conditions of Approval; Covenants, Codes, and Restrictions (CC&Rs), or other means acceptable to the City of Irwindale ~~Community Development Manager/City Planner~~Community Development Director and/or their designee.*

- ~~*Maximize use of solar energy, including solar panels.*~~
- *Install the maximum ~~possible~~ feasible number of solar energy arrays on the building roof and/or on the Project site to generate on-site solar energy for the facility.*
- *Utilize solar energy, on-site and/or off-site, sufficient to provide energy for the entire building's energy consumption on a net annual basis. Purchase off-site energy credits (in part of whole) is allowed, in order to achieve this measure.*
- *~~Maximize the p~~Plant~~ing of~~ mature trees and shrubs in landscaping and parking lots, to reduce Project heat impacts.*
- *Employ the use of ~~light colored~~solar-reflective cool ~~paving~~pavement, which may include conventional concrete, in the circulation areas surrounding the truck docks within the Project site to reduce heat impacts.*
- *Employ the use of light-colored ~~and~~ roofing materials for the Project building.*
- *Utilize only Energy Star heating, cooling, and lighting devices and appliances.*
- *Employ the use of electric or alternatively-fueled sweeper with high-efficiency particulate air (HEPA) filters.*

Impact 3.4-2: Potential to conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of greenhouse gases. (No Impact)

To date, neither the City of Irwindale, nor any regional agency has prepared a qualified GHG reduction plan that is applicable to the proposed Project. However, Irwindale is a member city of the SCAG. SCAG's ~~2016–2040~~2020-2045 RTP/SCS, adopted ~~April 7, 2016~~September 3, 2020, is a long-range visioning plan that balances future mobility and housing needs with economic, environmental, and public health goals. The RTP/SCS embodies a collective vision for the region's future and is developed with input from local governments, county transportation commissions, tribal governments, nonprofit organizations, businesses, and local stakeholders in Imperial, Los Angeles, Orange, Riverside, San Bernardino, and Ventura counties. The RTP/SCS establishes GHG emissions goals for automobiles and light-duty trucks ~~for 2020 and 2035~~ and establishes an overall GHG target for the region consistent with both the Statewide GHG-reduction targets for ~~2020 and~~ the post-2020 statewide GHG reduction goals. ~~The 2016 RTP/SCS contains over 4,000 transportation projects, including highway improvements, railroad grade separations, bicycle lanes, new transit hubs, and replacement bridges. These F~~future investments included within the RTP/SCS ~~were~~ are included in county plans developed by the six-county transportation commissions and seek to reduce traffic bottlenecks, improve the efficiency of the region's network, and expand mobility choices. The RTP/SCS is an important planning document for the region, allowing project sponsors to qualify for federal funding. In addition, the RTP/SCS is supported by a combination of transportation and land use strategies that help the region achieve state GHG emission reduction goals and federal CAA requirements, preserve open space areas, improve public health and roadway safety, support the vital goods movement industry, and use resources more efficiently. The proposed Project's consistency with the RTP/SCS goals is analyzed in detail in Table 3.4-3.

TABLE 3.4-3: CONSISTENCY WITH SCAG'S RTP/SCS GOALS

SCAG GOALS	*COMPLIANCE WITH GOAL*
Goal 1: Encourage regional economic prosperity and global competitiveness.~~Align the plan~~	**~~Not Applicable~~Consistent**: ~~This is not a project-specific policy and is therefore not applicable.~~The Project is a warehouse project that would increase regional economic activity,

SCAG GOALS	*COMPLIANCE WITH GOAL*
~~investments and policies with improving regional economic development and competitiveness.~~	thereby enhancing the region's global competitiveness.
Goal 2:- Improve mobility, accessibility, reliability, and travel safety for people and goods.~~Maximize mobility and accessibility for all people and goods in the region.~~	**Consistent**: Improvements to the transportation network in Irwindale are developed and maintained to meet the needs of local and regional transportation and to ensure efficient mobility. A number of regional and local plans and programs are used to guide development and maintenance of transportation networks, including but not limited to: • Caltrans Traffic Impact Studies Guidelines • Caltrans Highway Capacity Manual • SCAG RTP/SCS The Project is proposing an industrial warehouse use in close proximity to I-605, I-10, and I-210, which are major regional freeway corridors. Further, the I-10 corridor has been identified as a "Major International Trade Highway Route" in the California State Goods Movement Action Plan and therefore serves to accommodate existing truck trips along the interstate. The Goods Movement Action Plan is a statewide initiative to improve and expand California's goods movement industry and infrastructure in a manner which will increase mobility and relieve traffic congestion as well as reduce GHG emissions. The Plan further identifies I-10 (located approximately 2 miles south of the Project site and with connection to the Project site by I-605) as a "Priority Corridor" for development towards more efficient goods movement and anticipates that the development of good movement-supporting facilities, such as industrial warehouses like that proposed by the Project, will improve the efficiency of overall goods movement throughout the state, and thus reduce truck-related GHG emissions.
Goal 3: Enhance the preservation, security, and resilience of the regional transportation system~~Ensure travel safety and reliability for all people and goods in the region.~~	**Consistent:** The Project does not propose any modifications to the local roadway system in proximity to the Project site. All new roadway developments and improvements to the existing transportation network must be assessed with some level of traffic analysis (e.g., traffic assessments, traffic impact studies) to determine how the developments would impact the existing transportation system and to determine the needs for preserving and ensuring a sustainable regional transportation system that provides for a resilient regional transportation system. ~~**Consistent**: All modes of transit in Irwindale are required to follow safety standards established by applicable regulatory agencies. Pedestrian walkways and bicycle routes must follow safety precautions and standards established by local (e.g., City of Irwindale, County of Los Angeles) and regional (e.g., SCAG, Caltrans) agencies. Roadways for motorists must follow safety standards established by the City and Caltrans, as appropriate. The Project is proposing an industrial warehouse use in close proximity to the I-605, I-10, and I-210, which are major~~

SCAG GOALS	*COMPLIANCE WITH GOAL*
	~~regional freeway corridors. Warehouses positioned in close proximity to major freeway corridors are considered goods-movement-supporting facilities, and will improve the efficiency of overall goods movement throughout the state, and thus reduce truck-related GHG emissions.~~ Additionally, the City of Irwindale monitors existing and newly constructed roadways and transit routes to determine the adequacy and safety of these systems. Other local and regional agencies (e.g., Los Angeles County Transportation Department, Caltrans, SCAG) work with the City to manage these systems. Security situations involving roadways and evacuations would be addressed in the County of Los Angeles emergency management protocols (e.g., Los Angeles County Operational Area Emergency Operations Plan) developed in accordance with the State and federal mandated emergency management regulations.
Goal 4: Increase person and goods movement and travel choices within the transportation system	**Consistent:** The local and regional transportation system would be improved and maintained to encourage efficiency and productivity. The City of Irwindale's Public Works and Utility Department oversees the improvement and maintenance of all aspects of the public right-of-way on an as-needed basis. The City also strives to maximize productivity of the region's public transportation system (e.g., bus, bicycle) for residents, visitors, and workers coming into and out of Irwindale. Moreover, as the Project is proposed an industrial warehouse use in close proximity to I-605, I-10, and I-210, which are major regional freeway corridors, the Project is designed to increase goods movement within the surrounding area.
Goal 5: Reduce greenhouse gas emissions and improve air quality	**Consistent:** The reduction of energy use, improvement of air quality, and promotion of more environmentally sustainable development are encouraged through the development of alternative transportation methods, green design techniques for buildings, and other energy-reducing techniques. For example, development projects are required to comply with the provisions of the California Building and Energy Efficiency Standards and the Green Building Standards Code (CALGreen). The City also strives to maximize the protection of the environment and improvement of air quality by encouraging and improving the use of the region's public transportation system (e.g., bus, bicycle) for residents, visitors, and workers coming into and out of Irwindale.
Goal 6: Support healthy and equitable communities	**Consistent:** The Project would mitigate environmental impacts to the maximum extent feasible (as applicable), including impacts to air quality and greenhouse gas emissions, on local communities, including the residential community that surrounds the Project site.
Goal 7: Adapt to a changing climate and support an integrated regional	**Consistent:** See responses to Goal 4 and Goal 5.

SCAG GOALS	*COMPLIANCE WITH GOAL*
development pattern and transportation network	
Goal 8: Leverage new transportation technologies and data-driven solutions that result in more efficient travel	**Consistent:** The Project is designed to take advantage of improving goods movement and other related technologies, including electrification of the truck fleet, electrification of on-site equipment (such as forklifts), increasingly efficient goods movement logistics, etc.
Goal 9: Encourage development of diverse housing types in areas that are supported by multiple transportation options	**Not applicable:** The Project is a warehouse project that does not propose housing.
Goal 10: Promote conservation of natural and agricultural lands and restoration of habitats	**Not applicable:** The Project does not contain natural or agricultural land or habitats (i.e. the site has been previously disturbed).
~~**Goal 4:** Preserve and ensure a sustainable regional transportation system.~~	~~**Consistent:** The Project does not propose any modifications to the local roadway system in proximity to the Project site. All new roadway developments and improvements to the existing transportation network must be assessed with some level of traffic analysis (e.g., traffic assessments, traffic impact studies) to determine how the developments would impact the existing transportation system and to determine the needs for preserving and ensuring a sustainable regional transportation system that provides for safe and efficient movement of goods and people.~~
~~**Goal 5:** Maximize the productivity of our transportation system~~	~~**Consistent:** The local and regional transportation system would be improved and maintained to encourage efficiency and productivity. The City of Irwindale's Public Works and Utility Department oversees the improvement and maintenance of all aspects of the public right-of-way on an as-needed basis. The City also strives to maximize productivity of the region's public transportation system (e.g., bus, bicycle) for residents, visitors, and workers coming into and out of Irwindale~~
~~**Goal 6:** Protect the environment and health of our residents by improving air quality and encouraging active transportation (non-motorized transportation, such as bicycling and walking).~~	~~**Consistent:** The reduction of energy use, improvement of air quality, and promotion of more environmentally sustainable development are encouraged through the development of alternative transportation methods, green design techniques for buildings, and other energy-reducing techniques. For example, development projects are required to comply with the provisions of the California Building and Energy Efficiency Standards and the Green Building Standards Code (CALGreen). The City also strives to maximize the protection of the environment and improvement of air quality by encouraging and improving the use of the region's public transportation system (e.g., bus, bicycle) for residents, visitors, and workers coming into and out of Irwindale.~~
~~**Goal 7:** Actively encourage and create incentives for energy efficiency, where possible.~~	~~**Not Applicable:** This is not a project-specific policy and is therefore not applicable.~~
~~**Goal 8:** Encourage land use and growth~~	~~**Consistent:** See response to RTP/SCS Goal 6.~~

SCAG GOALS	*COMPLIANCE WITH GOAL*
~~patterns that facilitate transit and non-motorized transportation.~~	
~~**Goal 9:** Maximize the security of our transportation system through improved system monitoring, rapid recovery planning, and coordination with other security agencies.~~	~~**Consistent:** The City of Irwindale monitors existing and newly constructed roadways and transit routes to determine the adequacy and safety of these systems. Other local and regional agencies (e.g., Los Angeles County Transportation Department, Caltrans, SCAG) work with the City to manage these systems. Security situations involving roadways and evacuations would be addressed in the County of Los Angles emergency management protocols (e.g., Los Angeles County Operational Area Emergency Operations Plan) developed in accordance with the State and federal mandated emergency management regulations.~~

Implementing SCAG's RTP/SCS will greatly reduce the regional GHG emissions from transportation, helping to achieve statewide emission reduction targets. As shown, the proposed Project would not conflict with the stated goals of the RTP/SCS; therefore, the proposed Project would not interfere with SCAG's ability to achieve the region's ~~year 2020 and~~ post-2020 mobile source GHG reduction targets outlined in the ~~2016~~ 2020-2045 RTP/SCS, and it can be assumed that regional mobile emissions will decrease in line with the goals of the RTP/SCS. Furthermore, the proposed Project is not regionally significant per CEQA Guidelines Section 15206 and as such, it would not conflict with the SCAG RTP/SCS targets, since those targets were established and are applicable on a regional level.

The following changes were made to page 3.4-35 of Section 3.4 of the Draft EIR:

TABLE 3.4-6: ON-ROAD MOBILE FUEL GENERATED BY PROJECT CONSTRUCTION ACTIVITIES – BY PHASE

CONSTRUCTION PHASE	*# OF DAYS*	*TOTAL DAILY WORKER TRIPS[A]*	*TOTAL DAILY VENDOR TRIPS[A]*	*TOTAL HAULER WORKER TRIPS[A]*	*TOTAL GALLONS OF GASOLINE FUEL[B]*	*TOTAL GALLONS OF DIESEL FUEL[B]*
Site Preparation	~~20~~24	18	0	0	~~185~~222	0
Grading	~~45~~54	20	0	0	~~463~~556	0
Building Construction	~~440~~528	479	187	0	~~5,425~~6,510	~~4,691~~5,630
Paving	~~35~~42	15	0	0	~~270~~324	0
Architectural Coating	~~170~~204	96	0	0	~~420~~504	0
Total	**N/A**	**N/A**	**N/A**	**N/A**	**~~6,763~~8,116**	**~~4,691~~5,630**

NOTE: [A] PROVIDED BY CALEEMOD OUTPUT. [B] SEE APPENDIX B OF THIS EIR FOR FURTHER DETAIL

SOURCE: CALEEMOD (V.2016.3.2); EMFAC2017.

OFF-ROAD VEHICLES (CONSTRUCTION)

Off-road construction vehicles would use diesel fuel during the construction phase of the proposed Project. A non-exhaustive list of off-road constructive vehicles expected to be used during the construction phase of the proposed Project includes: forklifts, generator sets, tractors, excavators, and dozers. Based on the total amount of CO_2 emissions expected to be generated by the proposed Project (as provided by the CalEEMod output), and standard conversion factors (as provided by the U.S. Energy Information Administration), the proposed Project would use a total of approximately

~~15,497~~27,894 gallons of diesel fuel for off-road construction vehicles. Detailed calculations are provided in Appendix B of this EIR.

3.5 HAZARDS AND HAZARDOUS MATERIALS

No changes were made to Chapter 3.5 of the Draft EIR.

3.6 HYDROLOGY AND WATER QUALITY

No changes were made to Chapter 3.6 of the Draft EIR.

3.7 NOISE

No changes were made to Chapter 3.7 of the Draft EIR.

3.8 TRANSPORTATION AND CIRCULATION

The following changes were made to page 3.8-2 of Section 3.8 of the Draft EIR:

TRUCK ROUTES

Figure 3.8-4 illustrates the Project truck distribution (dashed black line) and the designated truck routes per the Countywide Strategic Truck Arterial Network (CSTAN) (blue line) and local truck routes (cyan line).

The following changes were made to pages 3.8-11 and 3.8-12 of Section 3.8 of the Draft EIR:

Impact 3.8-3: The Project would not substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment). (Less than Significant with Mitigation)

Access to the Project site would be provided from Vincent Avenue at the northeastern and southeastern corners of the Project site. The proposed driveways are located in the same general location as the existing driveways that are used to access the Project site. The proposed site plan does not include any sharp curves or dangerous intersections. The Project would allow for circulation and turning movements of the vehicles accessing the site. The site plan includes adequate right-of-way and turning radii for emergency vehicles within the Project site. Additionally, the site plan would be reviewed by the City of Irwindale and the Los Angeles County Fire Department to ensure the on-site circulation provides adequate access and turning radii for emergency vehicles. Sight distance at Project access driveways would comply with applicable City of Irwindale/Caltrans sight distance standards. The final grading, landscaping, and street improvement plans would demonstrate that sight distance standards are met and would be subject to City approval. Further, on-site traffic signing and striping would be implemented in conjunction with detailed construction plans for the Project. On-site traffic control plans would comply with the California Manual of Uniform Traffic Control Devices (2014), as required and confirmed through the City's site plan review process.

Additionally, a preliminary analysis of truck route usage and queuing was completed for the Project. As shown in Figure 3.8-4, the majority of the truck trips would occur on local or county truck routes; however, there are portions of Vincent Avenue, Vernon Avenue, and Gladstone Street that are not

shown as designated truck routes. With respect to queueing, the intersection of Vincent Avenue/Arrow Highway, where Project truck trips would be most concentrated, is forecast to operate at level of service (LOS) C during the AM peak hour and LOS D during the PM peak hour. LOS D generally correlates to fair operation with no long-standing traffic queues. This level is typically associated with design practice for peak periods. All other study intersections are also mitigated to LOS D or better, with the exception of I-605 NB Ramps at Live Oak Avenue (#2) and Rivergrade Road at Live Oak Avenue (#4), where there is no adjacent residential.

There remains a possibility that truck drivers could take routes that are not designated for truck travel. The likelihood is higher that this could happen in the absence of a specific Traffic Plan for the business, including way finding/signage and enforcement. The following mitigation measure would ensure a high level of compliance with the designated truck routes. Overall, with the implementation of this mitigation measure, this is considered a ***less than significant*** impact.

MITIGATION MEASURE(S)

Mitigation Measure 3.8-2: *Any operator of a business within the Project site shall provide the City with a Traffic Plan that illustrates the routes to be used for truck traffic generated by their business. The Traffic Plan shall include way finding signage to ensure that truck drivers can adequately find the appropriate truck routes that should be used. The Traffic Plan shall identify the location of each sign (on and off site), as well as the example sign to be installed. The Traffic Plan shall identify how the plan will be enforced, methods of residents to file a complaint for non-compliance. The Traffic Plan shall include a provision for the City to charge a penalty for non-compliance with the plan. The Traffic Plan shall clearly indicate that all truck traffic is required to make a left turn out of the Project site onto Vincent Avenue and head north toward Arrow Highway where there are appropriate truck routes. Operators of the warehouse shall be responsible for informing truck drivers of the Traffic Plan, which will identify the appropriate truck routes.*

Figure 3.8-4 is shown on the following page:

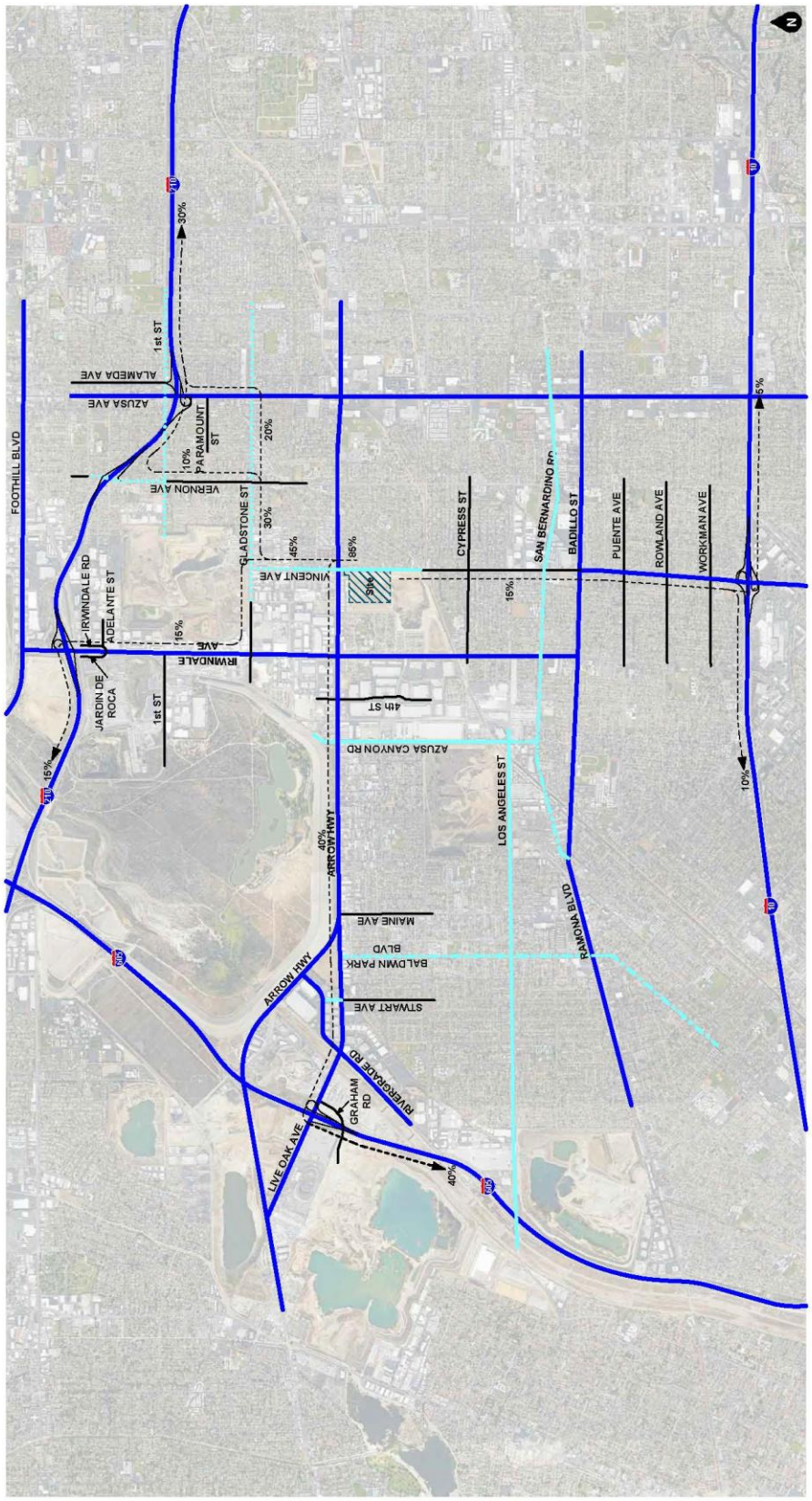

Figure 3.8-4
Project Truck Trip Distribution and Designated Truck Routes

Vincent Avenue Industrial Building
Traffic Impact Analysis
17237

4.0 OTHER CEQA-REQUIRED TOPICS

The following changes were made to page 4.0-6 of Chapter 4.0 of the Draft EIR:

> Additionally, as discussed in Impact 3.2-3, construction-generated emissions are temporary and short-term but have the potential to represent a significant air quality impact. Predicted maximum daily construction-generated emissions for the proposed Project are summarized in Table 3.2-7. As shown, emissions generated during Project construction would not exceed the SCAQMD's regional thresholds of significance. Therefore, criteria pollutant emissions generated during Project construction would not result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is nonattainment under an applicable federal or state ambient air quality standard. Further, as discussed in Impact 3.2-3, diesel emissions generated during the construction of the Project could impact sensitive receptors within the Project area. As shown in Table 3.1-~~9~~8, maximum air pollutant emissions resulting from Project construction would not result in significant concentrations of pollutants at nearby sensitive receptors. Therefore, impacts concerning LSTs during construction activities would be less than significant.

The following changes were made to pages 4.0-8 and 4.0-9 of Chapter 4.0 of the Draft EIR:

> To date, neither the City of Irwindale, nor any regional agency has prepared a qualified GHG reduction plan that is applicable to the proposed Project. However, Irwindale is a member city of the Southern California Association of Governments (SCAG). SCAG's ~~2016~~2020–204~~5~~0 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS), adopted ~~April 7, 2016~~September 3, 2020, is a long-range visioning plan that balances future mobility and housing needs with economic, environmental, and public health goals. ~~The RTP/SCS establishes GHG emissions goals for automobiles and light-duty trucks for 2020 and 2035 and establishes an overall GHG target for the region consistent with both the Statewide GHG-reduction targets for 2020 and the post-2020 statewide GHG reduction goals. The 2016 RTP/SCS contains over 4,000 transportation projects, including highway improvements, railroad grade separations, bicycle lanes, new transit hubs, and replacement bridges. These future investments were included in county plans developed by the six-county transportation commissions and seek to reduce traffic bottlenecks, improve the efficiency of the region's network, and expand mobility choices.~~ The RTP/SCS is an important planning document for the region, allowing project sponsors to qualify for federal funding. In addition, the RTP/SCS is supported by a combination of transportation and land use strategies that help the region achieve state GHG emission reduction goals and federal CAA requirements, preserve open space areas, improve public health and roadway safety, support the vital goods movement industry, and use resources more efficiently. The proposed Project would not conflict with the stated goals of the RTP/SCS.
>
> The proposed Project's short-term construction-related and long-term operational GHG emissions were estimated using the California Emission Estimator Model (CalEEMod)^{TM} (v.2016.3.2). As shown in Table 3.4-1, Project construction would result in the generation of approximately ~~2,831.5~~3,913.3 metric tons of CO_2e over the course of construction. Once construction is complete, the generation of these GHG emissions would cease. The amortized construction emissions are added to the annual average operational emissions. As shown in Table 3.4-2, operational-generated emissions would not exceed the SCAQMD's numeric bright-line threshold of 10,000 metric tons of CO_2e annually. Nevertheless, out of an abundance of caution, the proposed Project would be required to implement Mitigation Measure 3.4-1, which include CARB and SCAQMD-recommended measures to reduce GHG emissions through the implementation of solar and energy-conserving systems, landscaping, and use of light colored paving and roofing materials, and other requirements. Therefore, with

implementation of CARB and SCAQMD recommendations contained in mitigation measure 3.4-1, Project-related heavy-duty truck travel emissions would be reduced beyond those emissions identified in Table 3.4-2.

5.0 ALTERNATIVES TO THE PROPOSED PROJECT

The following changes were made to page 5.0-6 of Chapter 5.0 of the Draft EIR:

Greenhouse Gases, Climate Change and Energy

Short-term construction GHG emissions are a one-time release of GHGs and are not expected to significantly contribute to global climate change over the lifetime of the proposed Project. Construction-related activities that would generate GHG emissions include worker commute trips, haul trucks carrying supplies and materials to and from the Project site, and off-road construction equipment (e.g., dozers, loaders, excavators). Table 3.4-1 in Section 3.4 illustrates the specific construction-generated GHG emissions that would result from construction of the Project. As shown, Project construction would result in the generation of approximately ~~2,831.5~~3,913.3 metric tons of CO_2e over the course of construction.

The following changes were made to page 5.0-12 of Chapter 5.0 of the Draft EIR:

Greenhouse Gases, Climate Change and Energy

As stated previously, construction GHG emissions are a one-time release of GHGs and are not expected to significantly contribute to global climate change over the lifetime of the proposed Project. Construction-related activities that would generate GHG emissions include worker commute trips, haul trucks carrying supplies and materials to and from the Project site, and off-road construction equipment (e.g., dozers, loaders, excavators). Table 3.4-1 in Section 3.4 illustrates the specific construction-generated GHG emissions that would result from construction of the Project. As shown, Project construction would result in the generation of approximately 3,913.3~~2,831.5~~ metric tons of CO_2e over the course of construction.

The following changes were made to page 5.0-18 of Chapter 5.0 of the Draft EIR:

Greenhouse Gases, Climate Change and Energy

Short-term construction GHG emissions are a one-time release of GHGs and are not expected to significantly contribute to global climate change over the lifetime of the proposed Project. Construction-related activities that would generate GHG emissions include worker commute trips, haul trucks carrying supplies and materials to and from the Project site, and off-road construction equipment (e.g., dozers, loaders, excavators). Table 3.4-1 in Section 3.4 illustrates the specific construction-generated GHG emissions that would result from construction of the Project. As shown, Project construction would result in the generation of approximately 3,913.3~~2,831.5~~ metric tons of CO_2e over the course of construction.

6.0 REPORT PREPARERS

No changes were made to Section 6.0 of the Draft EIR.

7.0 REFERENCES

The following changes were made to page 7.0-5 of Chapter 5.0 of the Draft EIR:

Southern California Association of Governments (SCAG). 2016. Final 2016-2040 Regional Transportation Plan/Sustainable Communities Strategy. Adopted April 2016. Available: http://scagrtpscs.net/Documents/2016/final/f2016RTPSCS.pdf

Southern California Association of Governments (SCAG). 2020. Final 2020-2045 Regional Transportation Plan/Sustainable Communities Strategy of the Southern California Association of Governments. Adopted September 2020. Available: https://scag.ca.gov/sites/main/files/file-attachments/0903fconnectsocal-plan_0.pdf?1606001176

APPENDIX B: AIR QUALITY, GREENHOUSE GAS, AND ENERGY

The following changes were made to Appendix B of the Draft EIR.

Appendix B.2

CalEEMod Modeling Results

Irwindale 5175 Vincent Avenue

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 Light Industry	545.74	1000sqft	12.41	545,740.00	0
Parking Lot	11.05	Acre	11.05	481,338.00	0
City Park	2.59	Acre	2.59	112,820.40	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	531.75	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Op. year - 2023. CO2 Intensity factor adjusted to reflect RPS value in 2023 (note: CalEEMod default factor is from 2012) - factor reduced by 24.3% based on change in eligible renewables from 22% in 2013 to 41% by 2023.

Land Use - Unit Amounts: Unrefrigerated Warehouse-No Rail: 545,735 sf (on 12.41 acres); Landscaping: 112,749 sf (2.59 acres) Parking: 26.05-2.59-12.41 acres = 11.05 acres for parking. Total lot acreage: 26.05 acres.

Construction Phase - Note: architectural coatings phased assumed to also occur during paving and building construction phases). Days/week modified to reflect 6 days/week.

Off-road Equipment - Hours/day for all off-road construction equipment assumed to be 12 hrs/day (as allowed under Irwindale Municipal Code)

Off-road Equipment - Hours/day for all off-road construction equipment assumed to be 12 hrs/day (as allowed under Irwindale Municipal Code)

Off-road Equipment - Hours/day for all off-road construction equipment assumed to be 12 hrs/day (as allowed under Irwindale Municipal Code)

Off-road Equipment - Hours/day for all off-road construction equipment assumed to be 12 hrs/day (as allowed under Irwindale Municipal Code)

Off-road Equipment - Hours/day for all off-road equipment assumed to be 12 hours per day (as allowed per the Irwindale Municipal Code)

Grading - Balanced soil (from Ken Lee, emails dated March 30, 2020 and April 2, 2020). Therefore, no soil import required. Total acres graded = default CalEEMod value.

Vehicle Trips - Trip rates from Traffic Impact Analysis (Ganddini, 2020): 4.96 trips per thousdand sf.

Energy Use -

Construction Off-road Equipment Mitigation - Reductions include: Water Exposed Area 3x daily; Unpaved Road Mitigation (Moisture Content 12%; Vehicle Speed 15 MPH); Replace Ground Cover of Area Disturbed (5%, per AQMD guidance); Tier 4 engines for equipment > 50h.

Energy Mitigation -

Fleet Mix - Fleet Mix updated to reflect Traffic Study (Ganddini, 2020) - 78.6% Passenger Car; 13.4% Heavy-duty Trucks (3 and 4 axle); 8.0% Medium-duty Trucks (2-axle).

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	24.00
tblConstructionPhase	NumDays	45.00	54.00
tblConstructionPhase	NumDays	440.00	528.00
tblConstructionPhase	NumDays	35.00	42.00
tblConstructionPhase	NumDays	35.00	204.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00

tblConstructionPhase	NumDaysWeek	5.00	6.00
tblFleetMix	HHD	0.03	0.13
tblFleetMix	HHD	0.03	0.13
tblFleetMix	HHD	0.03	0.13
tblFleetMix	LDA	0.55	0.79
tblFleetMix	LDA	0.55	0.79
tblFleetMix	LDA	0.55	0.79
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT2	0.21	0.00
tblFleetMix	LDT2	0.21	0.00
tblFleetMix	LDT2	0.21	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	6.2270e-003	0.00
tblFleetMix	LHD2	6.2270e-003	0.00
tblFleetMix	LHD2	6.2270e-003	0.00
tblFleetMix	MCY	5.1840e-003	0.00
tblFleetMix	MCY	5.1840e-003	0.00
tblFleetMix	MCY	5.1840e-003	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	8.6200e-004	0.00
tblFleetMix	MH	8.6200e-004	0.00

tblFleetMix	MH	8.6200e-004	0.00
tblFleetMix	MHD	0.02	0.08
tblFleetMix	MHD	0.02	0.08
tblFleetMix	MHD	0.02	0.08
tblFleetMix	OBUS	2.5460e-003	0.00
tblFleetMix	OBUS	2.5460e-003	0.00
tblFleetMix	OBUS	2.5460e-003	0.00
tblFleetMix	SBUS	6.9200e-004	0.00
tblFleetMix	SBUS	6.9200e-004	0.00
tblFleetMix	SBUS	6.9200e-004	0.00
tblFleetMix	UBUS	2.1330e-003	0.00
tblFleetMix	UBUS	2.1330e-003	0.00
tblFleetMix	UBUS	2.1330e-003	0.00
tblLandUse	LotAcreage	12.53	12.41
tblOffRoadEquipment	UsageHours	8.00	12.00
tblOffRoadEquipment	UsageHours	8.00	12.00
tblOffRoadEquipment	UsageHours	8.00	12.00
tblOffRoadEquipment	UsageHours	8.00	12.00
tblOffRoadEquipment	UsageHours	8.00	12.00
tblOffRoadEquipment	UsageHours	8.00	12.00
tblOffRoadEquipment	UsageHours	8.00	12.00
tblOffRoadEquipment	UsageHours	7.00	12.00
tblOffRoadEquipment	UsageHours	8.00	12.00
tblOffRoadEquipment	UsageHours	8.00	12.00
tblOffRoadEquipment	UsageHours	7.00	12.00
tblOffRoadEquipment	UsageHours	8.00	12.00
tblOffRoadEquipment	UsageHours	8.00	12.00

tblOffRoadEquipment	UsageHours	8.00	12.00
tblOffRoadEquipment	UsageHours	8.00	12.00
tblOffRoadEquipment	UsageHours	6.00	12.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	531.75
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	1.32	4.96
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	0.68	4.96
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	6.97	4.96

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	0.6914	6.4172	5.5802	0.0146	1.1925	0.2451	1.4376	0.4636	0.2279	0.6915	0.0000	1,320.8592	1,320.8592	0.1970	0.0000	1,325.7839
2022	2.1920	7.0700	7.8127	0.0229	1.0610	0.2237	1.2847	0.2861	0.2106	0.4967	0.0000	2,088.1231	2,088.1231	0.2084	0.0000	2,093.3329
2023	1.4801	1.5388	2.0995	5.4500e-003	0.2387	0.0571	0.2958	0.0642	0.0537	0.1179	0.0000	492.7611	492.7611	0.0591	0.0000	494.2382
Maximum	**2.1920**	**7.0700**	**7.8127**	**0.0229**	**1.1925**	**0.2451**	**1.4376**	**0.4636**	**0.2279**	**0.6915**	**0.0000**	**2,088.1231**	**2,088.1231**	**0.2084**	**0.0000**	**2,093.3329**

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	0.3234	2.0937	5.8049	0.0146	0.7666	0.0253	0.7920	0.2594	0.0249	0.2843	0.0000	1,320.8585	1,320.8585	0.1970	0.0000	1,325.7832
2022	1.8847	3.6554	8.1488	0.0229	1.0610	0.0372	1.0982	0.2861	0.0364	0.3225	0.0000	2,088.1224	2,088.1224	0.2084	0.0000	2,093.3322
2023	1.3928	0.5974	2.2526	5.4500e-003	0.2387	7.7100e-003	0.2464	0.0642	7.5600e-003	0.0717	0.0000	492.7608	492.7608	0.0591	0.0000	494.2380
Maximum	**1.8847**	**3.6554**	**8.1488**	**0.0229**	**1.0610**	**0.0372**	**1.0982**	**0.2861**	**0.0364**	**0.3225**	**0.0000**	**2,088.1224**	**2,088.1224**	**0.2084**	**0.0000**	**2,093.3322**

Irwindale 5175 Vincent Avenue - 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	N20	CO2e
Percent Reduction	17.47	57.76	-4.61	0.00	17.09	86.65	29.21	25.09	86.01	48.05	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	4-1-2021	6-30-2021	2.8533	0.2147
2	7-1-2021	9-30-2021	2.1034	1.0789
3	10-1-2021	12-31-2021	2.1181	1.0936
4	1-1-2022	3-31-2022	1.8980	1.0183
5	4-1-2022	6-30-2022	1.9059	1.0165
6	7-1-2022	9-30-2022	2.3039	1.3673
7	10-1-2022	12-31-2022	3.0991	2.0852
8	1-1-2023	3-31-2023	2.5145	1.6733
9	4-1-2023	6-30-2023	0.5199	0.3275
		Highest	3.0991	2.0852

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	2.2645	6.0000e-005	7.1400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0139	0.0139	4.0000e-005	0.0000	0.0148
Energy	0.0533	0.4842	0.4067	2.9100e-003		0.0368	0.0368		0.0368	0.0368	0.0000	2,028.8632	2,028.8632	0.0920	0.0266	2,039.0927
Mobile	0.6701	10.9104	10.6989	0.0711	4.6581	0.0396	4.6976	1.2589	0.0370	1.2959	0.0000	6,740.9512	6,740.9512	0.2794	0.0000	6,747.9356
Waste						0.0000	0.0000		0.0000	0.0000	137.4127	0.0000	137.4127	8.1209	0.0000	340.4342
Water						0.0000	0.0000		0.0000	0.0000	40.0382	404.6251	444.6633	4.1344	0.1017	578.3191
Total	**2.9879**	**11.3946**	**11.1127**	**0.0740**	**4.6581**	**0.0764**	**4.7345**	**1.2589**	**0.0738**	**1.3328**	**177.4509**	**9,174.4533**	**9,351.9042**	**12.6267**	**0.1283**	**9,705.7963**

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	2.2645	6.0000e-005	7.1400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0139	0.0139	4.0000e-005	0.0000	0.0148
Energy	0.0533	0.4842	0.4067	2.9100e-003		0.0368	0.0368		0.0368	0.0368	0.0000	2,028.8632	2,028.8632	0.0920	0.0266	2,039.0927
Mobile	0.6701	10.9104	10.6989	0.0711	4.6581	0.0396	4.6976	1.2589	0.0370	1.2959	0.0000	6,740.9512	6,740.9512	0.2794	0.0000	6,747.9356
Waste						0.0000	0.0000		0.0000	0.0000	137.4127	0.0000	137.4127	8.1209	0.0000	340.4342
Water						0.0000	0.0000		0.0000	0.0000	40.0382	404.6251	444.6633	4.1344	0.1017	578.3191
Total	**2.9879**	**11.3946**	**11.1127**	**0.0740**	**4.6581**	**0.0764**	**4.7345**	**1.2589**	**0.0738**	**1.3328**	**177.4509**	**9,174.4533**	**9,351.9042**	**12.6267**	**0.1283**	**9,705.7963**

	ROG	NOx	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	Site Preparation	Site Preparation	4/1/2021	4/28/2021	6	24	
2	Grading	Grading	4/29/2021	6/30/2021	6	54	
3	Building Construction	Building Construction	7/1/2021	3/8/2023	6	528	
4	Paving	Paving	3/9/2023	4/26/2023	6	42	
5	Architectural Coating	Architectural Coating	9/1/2022	4/26/2023	6	204	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 202.5

Acres of Paving: 11.05

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 818,610; Non-Residential Outdoor: 272,870; Striped Parking Area: 28,880 (Architectural Coating – sqft)

OffRoad Equipment

Irwindale 5175 Vincent Avenue - Los Angeles-South Coast County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	12.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	12.00	97	0.37
Grading	Excavators	2	12.00	158	0.38
Grading	Graders	1	12.00	187	0.41
Grading	Rubber Tired Dozers	1	12.00	247	0.40
Grading	Scrapers	2	12.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	12.00	97	0.37
Building Construction	Cranes	1	12.00	231	0.29
Building Construction	Forklifts	3	12.00	89	0.20
Building Construction	Generator Sets	1	12.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	12.00	97	0.37
Building Construction	Welders	1	12.00	46	0.45
Paving	Pavers	2	12.00	130	0.42
Paving	Paving Equipment	2	12.00	132	0.36
Paving	Rollers	2	12.00	80	0.38
Architectural Coating	Air Compressors	1	12.00	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
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	479.00	187.00	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	96.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

3.2 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					0.3252	0.0000	0.3252	0.1788	0.0000	0.1788	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0700	0.7290	0.3808	6.8000e-004		0.0368	0.0368		0.0339	0.0339	0.0000	60.1843	60.1843	0.0195	0.0000	60.6709
Total	**0.0700**	**0.7290**	**0.3808**	**6.8000e-004**	**0.3252**	**0.0368**	**0.3620**	**0.1788**	**0.0339**	**0.2126**	**0.0000**	**60.1843**	**60.1843**	**0.0195**	**0.0000**	**60.6709**

3.2 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	9.3000e-004	7.2000e-004	8.1700e-003	2.0000e-005	2.3700e-003	2.0000e-005	2.3900e-003	6.3000e-004	2.0000e-005	6.5000e-004	0.0000	2.1361	2.1361	6.0000e-005	0.0000	2.1376
Total	**9.3000e-004**	**7.2000e-004**	**8.1700e-003**	**2.0000e-005**	**2.3700e-003**	**2.0000e-005**	**2.3900e-003**	**6.3000e-004**	**2.0000e-005**	**6.5000e-004**	**0.0000**	**2.1361**	**2.1361**	**6.0000e-005**	**0.0000**	**2.1376**

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					0.1205	0.0000	0.1205	0.0662	0.0000	0.0662	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.3800e-003	0.0363	0.3756	6.8000e-004		1.1200e-003	1.1200e-003		1.1200e-003	1.1200e-003	0.0000	60.1842	60.1842	0.0195	0.0000	60.6708
Total	**8.3800e-003**	**0.0363**	**0.3756**	**6.8000e-004**	**0.1205**	**1.1200e-003**	**0.1216**	**0.0662**	**1.1200e-003**	**0.0674**	**0.0000**	**60.1842**	**60.1842**	**0.0195**	**0.0000**	**60.6708**

3.2 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	9.3000e-004	7.2000e-004	8.1700e-003	2.0000e-005	2.3700e-003	2.0000e-005	2.3900e-003	6.3000e-004	2.0000e-005	6.5000e-004	0.0000	2.1361	2.1361	6.0000e-005	0.0000	2.1376
Total	**9.3000e-004**	**7.2000e-004**	**8.1700e-003**	**2.0000e-005**	**2.3700e-003**	**2.0000e-005**	**2.3900e-003**	**6.3000e-004**	**2.0000e-005**	**6.5000e-004**	**0.0000**	**2.1361**	**2.1361**	**6.0000e-005**	**0.0000**	**2.1376**

3.3 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					0.3513	0.0000	0.3513	0.1457	0.0000	0.1457	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1697	1.8792	1.2506	2.5100e-003		0.0804	0.0804		0.0740	0.0740	0.0000	220.7047	220.7047	0.0714	0.0000	222.4892
Total	**0.1697**	**1.8792**	**1.2506**	**2.5100e-003**	**0.3513**	**0.0804**	**0.4317**	**0.1457**	**0.0740**	**0.2196**	**0.0000**	**220.7047**	**220.7047**	**0.0714**	**0.0000**	**222.4892**

3.3 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	2.3200e-003	1.8100e-003	0.0204	6.0000e-005	5.9200e-003	5.0000e-005	5.9700e-003	1.5700e-003	4.0000e-005	1.6200e-003	0.0000	5.3402	5.3402	1.6000e-004	0.0000	5.3441
Total	**2.3200e-003**	**1.8100e-003**	**0.0204**	**6.0000e-005**	**5.9200e-003**	**5.0000e-005**	**5.9700e-003**	**1.5700e-003**	**4.0000e-005**	**1.6200e-003**	**0.0000**	**5.3402**	**5.3402**	**1.6000e-004**	**0.0000**	**5.3441**

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					0.1302	0.0000	0.1302	0.0540	0.0000	0.0540	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0308	0.1337	1.3365	2.5100e-003		4.1100e-003	4.1100e-003		4.1100e-003	4.1100e-003	0.0000	220.7044	220.7044	0.0714	0.0000	222.4889
Total	**0.0308**	**0.1337**	**1.3365**	**2.5100e-003**	**0.1302**	**4.1100e-003**	**0.1343**	**0.0540**	**4.1100e-003**	**0.0581**	**0.0000**	**220.7044**	**220.7044**	**0.0714**	**0.0000**	**222.4889**

3.3 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	2.3200e-003	1.8100e-003	0.0204	6.0000e-005	5.9200e-003	5.0000e-005	5.9700e-003	1.5700e-003	4.0000e-005	1.6200e-003	0.0000	5.3402	5.3402	1.6000e-004	0.0000	5.3441
Total	**2.3200e-003**	**1.8100e-003**	**0.0204**	**6.0000e-005**	**5.9200e-003**	**5.0000e-005**	**5.9700e-003**	**1.5700e-003**	**4.0000e-005**	**1.6200e-003**	**0.0000**	**5.3402**	**5.3402**	**1.6000e-004**	**0.0000**	**5.3441**

3.4 Building Construction - 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					
Off-Road	0.2397	2.2218	2.0940	3.4100e-003		0.1215	0.1215		0.1141	0.1141	0.0000	294.1285	294.1285	0.0726	0.0000	295.9429
Total	**0.2397**	**2.2218**	**2.0940**	**3.4100e-003**		**0.1215**	**0.1215**		**0.1141**	**0.1141**	**0.0000**	**294.1285**	**294.1285**	**0.0726**	**0.0000**	**295.9429**

3.4 Building Construction - 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	0.0459	1.4579	0.3953	3.7600e-003	0.0931	2.9700e-003	0.0960	0.0269	2.8400e-003	0.0297	0.0000	364.1494	364.1494	0.0223	0.0000	364.7078
Worker	0.1628	0.1268	1.4310	4.1400e-003	0.4147	3.4200e-003	0.4181	0.1101	3.1500e-003	0.1133	0.0000	374.2161	374.2161	0.0110	0.0000	374.4914
Total	**0.2087**	**1.5847**	**1.8263**	**7.9000e-003**	**0.5077**	**6.3900e-003**	**0.5141**	**0.1370**	**5.9900e-003**	**0.1430**	**0.0000**	**738.3655**	**738.3655**	**0.0334**	**0.0000**	**739.1992**

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	0.0723	0.3365	2.2379	3.4100e-003		0.0136	0.0136		0.0136	0.0136	0.0000	294.1282	294.1282	0.0726	0.0000	295.9425
Total	**0.0723**	**0.3365**	**2.2379**	**3.4100e-003**		**0.0136**	**0.0136**		**0.0136**	**0.0136**	**0.0000**	**294.1282**	**294.1282**	**0.0726**	**0.0000**	**295.9425**

3.4 Building Construction - 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	0.0459	1.4579	0.3953	3.7600e-003	0.0931	2.9700e-003	0.0960	0.0269	2.8400e-003	0.0297	0.0000	364.1494	364.1494	0.0223	0.0000	364.7078
Worker	0.1628	0.1268	1.4310	4.1400e-003	0.4147	3.4200e-003	0.4181	0.1101	3.1500e-003	0.1133	0.0000	374.2161	374.2161	0.0110	0.0000	374.4914
Total	**0.2087**	**1.5847**	**1.8263**	**7.9000e-003**	**0.5077**	**6.3900e-003**	**0.5141**	**0.1370**	**5.9900e-003**	**0.1430**	**0.0000**	**738.3655**	**738.3655**	**0.0334**	**0.0000**	**739.1992**

3.4 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	0.4260	3.9361	4.0939	6.7700e-003		0.2030	0.2030		0.1907	0.1907	0.0000	582.9083	582.9083	0.1429	0.0000	586.4811
Total	**0.4260**	**3.9361**	**4.0939**	**6.7700e-003**		**0.2030**	**0.2030**		**0.1907**	**0.1907**	**0.0000**	**582.9083**	**582.9083**	**0.1429**	**0.0000**	**586.4811**

3.4 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	0.0853	2.7440	0.7409	7.3700e-003	0.1844	5.1500e-003	0.1895	0.0532	4.9200e-003	0.0581	0.0000	715.0484	715.0484	0.0427	0.0000	716.1162
Worker	0.3025	0.2268	2.6120	7.9100e-003	0.8215	6.5600e-003	0.8280	0.2182	6.0400e-003	0.2242	0.0000	715.2678	715.2678	0.0197	0.0000	715.7603
Total	**0.3878**	**2.9708**	**3.3529**	**0.0153**	**1.0058**	**0.0117**	**1.0175**	**0.2714**	**0.0110**	**0.2824**	**0.0000**	**1,430.3163**	**1,430.3163**	**0.0624**	**0.0000**	**1,431.8764**

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	0.1371	0.6558	4.4279	6.7700e-003		0.0246	0.0246		0.0246	0.0246	0.0000	582.9076	582.9076	0.1429	0.0000	586.4804
Total	**0.1371**	**0.6558**	**4.4279**	**6.7700e-003**		**0.0246**	**0.0246**		**0.0246**	**0.0246**	**0.0000**	**582.9076**	**582.9076**	**0.1429**	**0.0000**	**586.4804**

3.4 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	0.0853	2.7440	0.7409	7.3700e-003	0.1844	5.1500e-003	0.1895	0.0532	4.9200e-003	0.0581	0.0000	715.0484	715.0484	0.0427	0.0000	716.1162
Worker	0.3025	0.2268	2.6120	7.9100e-003	0.8215	6.5600e-003	0.8280	0.2182	6.0400e-003	0.2242	0.0000	715.2678	715.2678	0.0197	0.0000	715.7603
Total	**0.3878**	**2.9708**	**3.3529**	**0.0153**	**1.0058**	**0.0117**	**1.0175**	**0.2714**	**0.0110**	**0.2824**	**0.0000**	**1,430.3163**	**1,430.3163**	**0.0624**	**0.0000**	**1,431.8764**

3.4 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	0.0715	0.6600	0.7400	1.2300e-003		0.0320	0.0320		0.0301	0.0301	0.0000	106.1915	106.1915	0.0259	0.0000	106.8382
Total	**0.0715**	**0.6600**	**0.7400**	**1.2300e-003**		**0.0320**	**0.0320**		**0.0301**	**0.0301**	**0.0000**	**106.1915**	**106.1915**	**0.0259**	**0.0000**	**106.8382**

3.4 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	0.0115	0.3775	0.1211	1.3000e-003	0.0336	4.4000e-004	0.0340	9.6900e-003	4.2000e-004	0.0101	0.0000	126.1399	126.1399	6.8700e-003	0.0000	126.3117
Worker	0.0518	0.0374	0.4374	1.3900e-003	0.1496	1.1600e-003	0.1508	0.0397	1.0700e-003	0.0408	0.0000	125.4900	125.4900	3.2300e-003	0.0000	125.5707
Total	**0.0633**	**0.4149**	**0.5585**	**2.6900e-003**	**0.1832**	**1.6000e-003**	**0.1848**	**0.0494**	**1.4900e-003**	**0.0509**	**0.0000**	**251.6299**	**251.6299**	**0.0101**	**0.0000**	**251.8825**

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	0.0240	0.1176	0.8056	1.2300e-003		4.1100e-003	4.1100e-003		4.1100e-003	4.1100e-003	0.0000	106.1914	106.1914	0.0259	0.0000	106.8381
Total	**0.0240**	**0.1176**	**0.8056**	**1.2300e-003**		**4.1100e-003**	**4.1100e-003**		**4.1100e-003**	**4.1100e-003**	**0.0000**	**106.1914**	**106.1914**	**0.0259**	**0.0000**	**106.8381**

3.4 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	0.0115	0.3775	0.1211	1.3000e-003	0.0336	4.4000e-004	0.0340	9.6900e-003	4.2000e-004	0.0101	0.0000	126.1399	126.1399	6.8700e-003	0.0000	126.3117
Worker	0.0518	0.0374	0.4374	1.3900e-003	0.1496	1.1600e-003	0.1508	0.0397	1.0700e-003	0.0408	0.0000	125.4900	125.4900	3.2300e-003	0.0000	125.5707
Total	**0.0633**	**0.4149**	**0.5585**	**2.6900e-003**	**0.1832**	**1.6000e-003**	**0.1848**	**0.0494**	**1.4900e-003**	**0.0509**	**0.0000**	**251.6299**	**251.6299**	**0.0101**	**0.0000**	**251.8825**

3.5 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	0.0325	0.3210	0.4594	7.2000e-004		0.0161	0.0161		0.0148	0.0148	0.0000	63.0846	63.0846	0.0204	0.0000	63.5947
Paving	0.0145					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0470**	**0.3210**	**0.4594**	**7.2000e-004**		**0.0161**	**0.0161**		**0.0148**	**0.0148**	**0.0000**	**63.0846**	**63.0846**	**0.0204**	**0.0000**	**63.5947**

3.5 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	1.2000e-003	8.6000e-004	0.0101	3.0000e-005	3.4500e-003	3.0000e-005	3.4800e-003	9.2000e-004	2.0000e-005	9.4000e-004	0.0000	2.8956	2.8956	7.0000e-005	0.0000	2.8975
Total	**1.2000e-003**	**8.6000e-004**	**0.0101**	**3.0000e-005**	**3.4500e-003**	**3.0000e-005**	**3.4800e-003**	**9.2000e-004**	**2.0000e-005**	**9.4000e-004**	**0.0000**	**2.8956**	**2.8956**	**7.0000e-005**	**0.0000**	**2.8975**

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	8.8300e-003	0.0383	0.5448	7.2000e-004		1.1800e-003	1.1800e-003		1.1800e-003	1.1800e-003	0.0000	63.0846	63.0846	0.0204	0.0000	63.5946
Paving	0.0145					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0233**	**0.0383**	**0.5448**	**7.2000e-004**		**1.1800e-003**	**1.1800e-003**		**1.1800e-003**	**1.1800e-003**	**0.0000**	**63.0846**	**63.0846**	**0.0204**	**0.0000**	**63.5946**

3.5 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	1.2000e-003	8.6000e-004	0.0101	3.0000e-005	3.4500e-003	3.0000e-005	3.4800e-003	9.2000e-004	2.0000e-005	9.4000e-004	0.0000	2.8956	2.8956	7.0000e-005	0.0000	2.8975
Total	**1.2000e-003**	**8.6000e-004**	**0.0101**	**3.0000e-005**	**3.4500e-003**	**3.0000e-005**	**3.4800e-003**	**9.2000e-004**	**2.0000e-005**	**9.4000e-004**	**0.0000**	**2.8956**	**2.8956**	**7.0000e-005**	**0.0000**	**2.8975**

3.6 Architectural Coating - 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					
Archit. Coating	1.3364					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0215	0.1479	0.1904	3.1000e-004		8.5800e-003	8.5800e-003		8.5800e-003	8.5800e-003	0.0000	26.8092	26.8092	1.7500e-003	0.0000	26.8528
Total	**1.3579**	**0.1479**	**0.1904**	**3.1000e-004**		**8.5800e-003**	**8.5800e-003**		**8.5800e-003**	**8.5800e-003**	**0.0000**	**26.8092**	**26.8092**	**1.7500e-003**	**0.0000**	**26.8528**

3.6 Architectural Coating - 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	0.0203	0.0153	0.1756	5.3000e-004	0.0552	4.4000e-004	0.0557	0.0147	4.1000e-004	0.0151	0.0000	48.0894	48.0894	1.3200e-003	0.0000	48.1225
Total	**0.0203**	**0.0153**	**0.1756**	**5.3000e-004**	**0.0552**	**4.4000e-004**	**0.0557**	**0.0147**	**4.1000e-004**	**0.0151**	**0.0000**	**48.0894**	**48.0894**	**1.3200e-003**	**0.0000**	**48.1225**

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	1.3364					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.1200e-003	0.0135	0.1924	3.1000e-004		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004	0.0000	26.8091	26.8091	1.7500e-003	0.0000	26.8528
Total	**1.3395**	**0.0135**	**0.1924**	**3.1000e-004**		**4.2000e-004**	**4.2000e-004**		**4.2000e-004**	**4.2000e-004**	**0.0000**	**26.8091**	**26.8091**	**1.7500e-003**	**0.0000**	**26.8528**

3.6 Architectural Coating - 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	0.0203	0.0153	0.1756	5.3000e-004	0.0552	4.4000e-004	0.0557	0.0147	4.1000e-004	0.0151	0.0000	48.0894	48.0894	1.3200e-003	0.0000	48.1225
Total	**0.0203**	**0.0153**	**0.1756**	**5.3000e-004**	**0.0552**	**4.4000e-004**	**0.0557**	**0.0147**	**4.1000e-004**	**0.0151**	**0.0000**	**48.0894**	**48.0894**	**1.3200e-003**	**0.0000**	**48.1225**

3.6 Architectural Coating - 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					
Archit. Coating	1.2600					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0190	0.1290	0.1793	2.9000e-004		7.0100e-003	7.0100e-003		7.0100e-003	7.0100e-003	0.0000	25.2772	25.2772	1.5100e-003	0.0000	25.3150
Total	**1.2790**	**0.1290**	**0.1793**	**2.9000e-004**		**7.0100e-003**	**7.0100e-003**		**7.0100e-003**	**7.0100e-003**	**0.0000**	**25.2772**	**25.2772**	**1.5100e-003**	**0.0000**	**25.3150**

3.6 Architectural Coating - 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	0.0180	0.0130	0.1523	4.8000e-004	0.0521	4.0000e-004	0.0525	0.0138	3.7000e-004	0.0142	0.0000	43.6823	43.6823	1.1200e-003	0.0000	43.7104
Total	**0.0180**	**0.0130**	**0.1523**	**4.8000e-004**	**0.0521**	**4.0000e-004**	**0.0525**	**0.0138**	**3.7000e-004**	**0.0142**	**0.0000**	**43.6823**	**43.6823**	**1.1200e-003**	**0.0000**	**43.7104**

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	1.2600					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9400e-003	0.0128	0.1814	2.9000e-004		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004	0.0000	25.2772	25.2772	1.5100e-003	0.0000	25.3150
Total	**1.2630**	**0.0128**	**0.1814**	**2.9000e-004**		**3.9000e-004**	**3.9000e-004**		**3.9000e-004**	**3.9000e-004**	**0.0000**	**25.2772**	**25.2772**	**1.5100e-003**	**0.0000**	**25.3150**

3.6 Architectural Coating - 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	0.0180	0.0130	0.1523	4.8000e-004	0.0521	4.0000e-004	0.0525	0.0138	3.7000e-004	0.0142	0.0000	43.6823	43.6823	1.1200e-003	0.0000	43.7104
Total	**0.0180**	**0.0130**	**0.1523**	**4.8000e-004**	**0.0521**	**4.0000e-004**	**0.0525**	**0.0138**	**3.7000e-004**	**0.0142**	**0.0000**	**43.6823**	**43.6823**	**1.1200e-003**	**0.0000**	**43.7104**

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	0.6701	10.9104	10.6989	0.0711	4.6581	0.0396	4.6976	1.2589	0.0370	1.2959	0.0000	6,740.9512	6,740.9512	0.2794	0.0000	6,747.9356
Unmitigated	0.6701	10.9104	10.6989	0.0711	4.6581	0.0396	4.6976	1.2589	0.0370	1.2959	0.0000	6,740.9512	6,740.9512	0.2794	0.0000	6,747.9356

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
General Light Industry	2,706.87	2,706.87	2706.87	11,986,773	11,986,773
Parking Lot	0.00	0.00	0.00		
Total	2,706.87	2,706.87	2,706.87	11,986,773	11,986,773

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
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.786000	0.000000	0.000000	0.000000	0.000000	0.000000	0.080000	0.134000	0.000000	0.000000	0.000000	0.000000	0.000000
General Light Industry	0.786000	0.000000	0.000000	0.000000	0.000000	0.000000	0.080000	0.134000	0.000000	0.000000	0.000000	0.000000	0.000000
Parking Lot	0.786000	0.000000	0.000000	0.000000	0.000000	0.000000	0.080000	0.134000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	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	1,501.7411	1,501.7411	0.0819	0.0169	1,508.8382
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,501.7411	1,501.7411	0.0819	0.0169	1,508.8382
NaturalGas Mitigated	0.0533	0.4842	0.4067	2.9100e-003		0.0368	0.0368		0.0368	0.0368	0.0000	527.1220	527.1220	0.0101	9.6600e-003	530.2545
NaturalGas Unmitigated	0.0533	0.4842	0.4067	2.9100e-003		0.0368	0.0368		0.0368	0.0368	0.0000	527.1220	527.1220	0.0101	9.6600e-003	530.2545

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					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	9.87789e+006	0.0533	0.4842	0.4067	2.9100e-003		0.0368	0.0368		0.0368	0.0368	0.0000	527.1220	527.1220	0.0101	9.6600e-003	530.2545
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0533**	**0.4842**	**0.4067**	**2.9100e-003**		**0.0368**	**0.0368**		**0.0368**	**0.0368**	**0.0000**	**527.1220**	**527.1220**	**0.0101**	**9.6600e-003**	**530.2545**

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					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	9.87789e+006	0.0533	0.4842	0.4067	2.9100e-003		0.0368	0.0368		0.0368	0.0368	0.0000	527.1220	527.1220	0.0101	9.6600e-003	530.2545
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0533**	**0.4842**	**0.4067**	**2.9100e-003**		**0.0368**	**0.0368**		**0.0368**	**0.0368**	**0.0000**	**527.1220**	**527.1220**	**0.0101**	**9.6600e-003**	**530.2545**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
General Light Industry	6.05771e+006	1,461.1069	0.0797	0.0165	1,468.0120
Parking Lot	168468	40.6342	2.2200e-003	4.6000e-004	40.8262
Total		**1,501.7411**	**0.0819**	**0.0170**	**1,508.8382**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
General Light Industry	6.05771e+006	1,461.1069	0.0797	0.0165	1,468.0120
Parking Lot	168468	40.6342	2.2200e-003	4.6000e-004	40.8262
Total		**1,501.7411**	**0.0819**	**0.0170**	**1,508.8382**

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	2.2645	6.0000e-005	7.1400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0139	0.0139	4.0000e-005	0.0000	0.0148
Unmitigated	2.2645	6.0000e-005	7.1400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0139	0.0139	4.0000e-005	0.0000	0.0148

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	0.2596					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.0042					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.6000e-004	6.0000e-005	7.1400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0139	0.0139	4.0000e-005	0.0000	0.0148
Total	**2.2645**	**6.0000e-005**	**7.1400e-003**	**0.0000**		**3.0000e-005**	**3.0000e-005**		**3.0000e-005**	**3.0000e-005**	**0.0000**	**0.0139**	**0.0139**	**4.0000e-005**	**0.0000**	**0.0148**

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	0.2596					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.0042					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.6000e-004	6.0000e-005	7.1400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0139	0.0139	4.0000e-005	0.0000	0.0148
Total	**2.2645**	**6.0000e-005**	**7.1400e-003**	**0.0000**		**3.0000e-005**	**3.0000e-005**		**3.0000e-005**	**3.0000e-005**	**0.0000**	**0.0139**	**0.0139**	**4.0000e-005**	**0.0000**	**0.0148**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	444.6633	4.1344	0.1017	578.3191
Unmitigated	444.6633	4.1344	0.1017	578.3191

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 3.08594	8.2694	4.5000e-004	9.0000e-005	8.3085
General Light Industry	126.202 / 0	436.3939	4.1339	0.1016	570.0106
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**444.6633**	**4.1344**	**0.1017**	**578.3191**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 3.08594	8.2694	4.5000e-004	9.0000e-005	8.3085
General Light Industry	126.202 / 0	436.3939	4.1339	0.1016	570.0106
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**444.6633**	**4.1344**	**0.1017**	**578.3191**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	137.4127	8.1209	0.0000	340.4342
Unmitigated	137.4127	8.1209	0.0000	340.4342

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.22	0.0447	2.6400e-003	0.0000	0.1106
General Light Industry	676.72	137.3680	8.1182	0.0000	340.3235
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**137.4127**	**8.1209**	**0.0000**	**340.4342**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.22	0.0447	2.6400e-003	0.0000	0.1106
General Light Industry	676.72	137.3680	8.1182	0.0000	340.3235
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**137.4127**	**8.1209**	**0.0000**	**340.4342**

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

Irwindale 5175 Vincent Avenue

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 Light Industry	545.74	1000sqft	12.41	545,740.00	0
Parking Lot	11.05	Acre	11.05	481,338.00	0
City Park	2.59	Acre	2.59	112,820.40	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	531.75	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Irwindale 5175 Vincent Avenue - Los Angeles-South Coast County, Summer

Project Characteristics - Op. year - 2023. CO2 Intensity factor adjusted to reflect RPS value in 2023 (note: CalEEMod default factor is from 2012) - factor reduced by 24.3% based on change in eligible renewables from 22% in 2013 to 41% by 2023.

Land Use - Unit Amounts: Unrefrigerated Warehouse-No Rail: 545,735 sf (on 12.41 acres); Landscaping: 112,749 sf (2.59 acres) Parking: 26.05-2.59-12.41 acres = 11.05 acres for parking. Total lot acreage: 26.05 acres.

Construction Phase - Note: architectural coatings phased assumed to also occur during paving and building construction phases). Days/week modified to reflect 6 days/week.

Off-road Equipment - Hours/day for all off-road construction equipment assumed to be 12 hrs/day (as allowed under Irwindale Municipal Code)

Off-road Equipment - Hours/day for all off-road construction equipment assumed to be 12 hrs/day (as allowed under Irwindale Municipal Code)

Off-road Equipment - Hours/day for all off-road construction equipment assumed to be 12 hrs/day (as allowed under Irwindale Municipal Code)

Off-road Equipment - Hours/day for all off-road construction equipment assumed to be 12 hrs/day (as allowed under Irwindale Municipal Code)

Off-road Equipment - Hours/day for all off-road equipment assumed to be 12 hours per day (as allowed per the Irwindale Municipal Code)

Grading - Balanced soil (from Ken Lee, emails dated March 30, 2020 and April 2, 2020). Therefore, no soil import required. Total acres graded = default CalEEMod value.

Vehicle Trips - Trip rates from Traffic Impact Analysis (Ganddini, 2020): 4.96 trips per thousdand sf.

Energy Use -

Construction Off-road Equipment Mitigation - Reductions include: Water Exposed Area 3x daily; Unpaved Road Mitigation (Moisture Content 12%; Vehicle Speed 15 MPH); Replace Ground Cover of Area Disturbed (5%, per AQMD guidance); Tier 4 engines for equipment > 50h.

Energy Mitigation -

Fleet Mix - Fleet Mix updated to reflect Traffic Study (Ganddini, 2020) - 78.6% Passenger Car; 13.4% Heavy-duty Trucks (3 and 4 axle); 8.0% Medium-duty Trucks (2-axle).

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	24.00
tblConstructionPhase	NumDays	45.00	54.00
tblConstructionPhase	NumDays	440.00	528.00
tblConstructionPhase	NumDays	35.00	42.00
tblConstructionPhase	NumDays	35.00	204.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00

tblConstructionPhase	NumDaysWeek	5.00	6.00
tblFleetMix	HHD	0.03	0.13
tblFleetMix	HHD	0.03	0.13
tblFleetMix	HHD	0.03	0.13
tblFleetMix	LDA	0.55	0.79
tblFleetMix	LDA	0.55	0.79
tblFleetMix	LDA	0.55	0.79
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT2	0.21	0.00
tblFleetMix	LDT2	0.21	0.00
tblFleetMix	LDT2	0.21	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	6.2270e-003	0.00
tblFleetMix	LHD2	6.2270e-003	0.00
tblFleetMix	LHD2	6.2270e-003	0.00
tblFleetMix	MCY	5.1840e-003	0.00
tblFleetMix	MCY	5.1840e-003	0.00
tblFleetMix	MCY	5.1840e-003	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	8.6200e-004	0.00
tblFleetMix	MH	8.6200e-004	0.00

tblFleetMix	MH	8.6200e-004	0.00
tblFleetMix	MHD	0.02	0.08
tblFleetMix	MHD	0.02	0.08
tblFleetMix	MHD	0.02	0.08
tblFleetMix	OBUS	2.5460e-003	0.00
tblFleetMix	OBUS	2.5460e-003	0.00
tblFleetMix	OBUS	2.5460e-003	0.00
tblFleetMix	SBUS	6.9200e-004	0.00
tblFleetMix	SBUS	6.9200e-004	0.00
tblFleetMix	SBUS	6.9200e-004	0.00
tblFleetMix	UBUS	2.1330e-003	0.00
tblFleetMix	UBUS	2.1330e-003	0.00
tblFleetMix	UBUS	2.1330e-003	0.00
tblLandUse	LotAcreage	12.53	12.41
tblOffRoadEquipment	UsageHours	8.00	12.00
tblOffRoadEquipment	UsageHours	8.00	12.00
tblOffRoadEquipment	UsageHours	8.00	12.00
tblOffRoadEquipment	UsageHours	8.00	12.00
tblOffRoadEquipment	UsageHours	8.00	12.00
tblOffRoadEquipment	UsageHours	8.00	12.00
tblOffRoadEquipment	UsageHours	8.00	12.00
tblOffRoadEquipment	UsageHours	7.00	12.00
tblOffRoadEquipment	UsageHours	8.00	12.00
tblOffRoadEquipment	UsageHours	8.00	12.00
tblOffRoadEquipment	UsageHours	7.00	12.00
tblOffRoadEquipment	UsageHours	8.00	12.00
tblOffRoadEquipment	UsageHours	8.00	12.00

tblOffRoadEquipment	UsageHours	8.00	12.00
tblOffRoadEquipment	UsageHours	8.00	12.00
tblOffRoadEquipment	UsageHours	6.00	12.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	531.75
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	1.32	4.96
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	0.68	4.96
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	6.97	4.96

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	6.3725	69.6587	50.5452	0.1461	27.3006	3.0683	30.3689	14.9494	2.8229	17.7722	0.0000	14,699.0410	14,699.0410	2.9209	0.0000	14,735.9459
2022	31.4285	46.7636	55.6439	0.1602	7.6244	1.5430	9.1674	2.0492	1.4592	3.5084	0.0000	16,081.7060	16,081.7060	1.5100	0.0000	16,119.4569
2023	30.9126	40.2477	53.3203	0.1563	7.6244	1.3278	8.9522	2.0492	1.2555	3.3047	0.0000	15,691.4667	15,691.4667	1.4505	0.0000	15,727.7301
Maximum	**31.4285**	**69.6587**	**55.6439**	**0.1602**	**27.3006**	**3.0683**	**30.3689**	**14.9494**	**2.8229**	**17.7722**	**0.0000**	**16,081.7060**	**16,081.7060**	**2.9209**	**0.0000**	**16,119.4569**

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	3.5363	23.8267	52.3674	0.1461	10.2415	0.2530	10.3363	5.5723	0.2480	5.6670	0.0000	14,699.0410	14,699.0410	2.9209	0.0000	14,735.9459
2022	29.2327	23.2442	57.8164	0.1602	7.6244	0.2480	7.8723	2.0492	0.2426	2.2918	0.0000	16,081.7060	16,081.7060	1.5100	0.0000	16,119.4569
2023	28.9209	18.8698	55.6646	0.1563	7.6244	0.2161	7.8405	2.0492	0.2115	2.2607	0.0000	15,691.4667	15,691.4667	1.4505	0.0000	15,727.7301
Maximum	**29.2327**	**23.8267**	**57.8164**	**0.1602**	**10.2415**	**0.2530**	**10.3363**	**5.5723**	**0.2480**	**5.6670**	**0.0000**	**16,081.7060**	**16,081.7060**	**2.9209**	**0.0000**	**16,119.4569**

	ROG	NOx	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	10.22	57.91	-3.97	0.00	40.09	87.93	46.28	49.23	87.32	58.43	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	12.4100	5.2000e-004	0.0571	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1224	0.1224	3.2000e-004		0.1305
Energy	0.2919	2.6532	2.2287	0.0159		0.2016	0.2016		0.2016	0.2016		3,183.8498	3,183.8498	0.0610	0.0584	3,202.7698
Mobile	3.8282	58.6167	61.0560	0.4001	26.0859	0.2163	26.3022	7.0380	0.2024	7.2404		41,790.6029	41,790.6029	1.6839		41,832.7008
Total	**16.5300**	**61.2704**	**63.3418**	**0.4160**	**26.0859**	**0.4182**	**26.5041**	**7.0380**	**0.4042**	**7.4422**		**44,974.5751**	**44,974.5751**	**1.7453**	**0.0584**	**45,035.6011**

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	12.4100	5.2000e-004	0.0571	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1224	0.1224	3.2000e-004		0.1305
Energy	0.2919	2.6532	2.2287	0.0159		0.2016	0.2016		0.2016	0.2016		3,183.8498	3,183.8498	0.0610	0.0584	3,202.7698
Mobile	3.8282	58.6167	61.0560	0.4001	26.0859	0.2163	26.3022	7.0380	0.2024	7.2404		41,790.6029	41,790.6029	1.6839		41,832.7008
Total	**16.5300**	**61.2704**	**63.3418**	**0.4160**	**26.0859**	**0.4182**	**26.5041**	**7.0380**	**0.4042**	**7.4422**		**44,974.5751**	**44,974.5751**	**1.7453**	**0.0584**	**45,035.6011**

	ROG	NOx	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	Site Preparation	Site Preparation	4/1/2021	4/28/2021	6	24	
2	Grading	Grading	4/29/2021	6/30/2021	6	54	
3	Building Construction	Building Construction	7/1/2021	3/8/2023	6	528	
4	Paving	Paving	3/9/2023	4/26/2023	6	42	
5	Architectural Coating	Architectural Coating	9/1/2022	4/26/2023	6	204	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 202.5

Acres of Paving: 11.05

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 818,610; Non-Residential Outdoor: 272,870; Striped Parking Area: 28,880 (Architectural Coating – sqft)

OffRoad Equipment

Irwindale 5175 Vincent Avenue - Los Angeles-South Coast County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	12.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	12.00	97	0.37
Grading	Excavators	2	12.00	158	0.38
Grading	Graders	1	12.00	187	0.41
Grading	Rubber Tired Dozers	1	12.00	247	0.40
Grading	Scrapers	2	12.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	12.00	97	0.37
Building Construction	Cranes	1	12.00	231	0.29
Building Construction	Forklifts	3	12.00	89	0.20
Building Construction	Generator Sets	1	12.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	12.00	97	0.37
Building Construction	Welders	1	12.00	46	0.45
Paving	Pavers	2	12.00	130	0.42
Paving	Paving Equipment	2	12.00	132	0.36
Paving	Rollers	2	12.00	80	0.38
Architectural Coating	Air Compressors	1	12.00	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
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	479.00	187.00	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	96.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

3.2 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					27.0994	0.0000	27.0994	14.8960	0.0000	14.8960			0.0000			0.0000
Off-Road	5.8323	60.7456	31.7314	0.0570		3.0667	3.0667		2.8214	2.8214		5,528.4853	5,528.4853	1.7880		5,573.1859
Total	**5.8323**	**60.7456**	**31.7314**	**0.0570**	**27.0994**	**3.0667**	**30.1661**	**14.8960**	**2.8214**	**17.7174**		**5,528.4853**	**5,528.4853**	**1.7880**		**5,573.1859**

3.2 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					10.0403	0.0000	10.0403	5.5190	0.0000	5.5190			0.0000			0.0000
Off-Road	0.6984	3.0262	31.3035	0.0570		0.0931	0.0931		0.0931	0.0931	0.0000	5,528.4853	5,528.4853	1.7880		5,573.1959
Total	**0.6984**	**3.0262**	**31.3035**	**0.0570**	**10.0403**	**0.0931**	**10.1334**	**5.5190**	**0.0931**	**5.6121**	**0.0000**	**5,528.4853**	**5,528.4853**	**1.7880**		**5,573.1959**

3.2 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**

3.3 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					13.0100	0.0000	13.0100	5.3948	0.0000	5.3948			0.0000			0.0000
Off-Road	6.2868	69.5998	46.3177	0.0930		2.9780	2.9780		2.7398	2.7398		9,010.5652	9,010.5652	2.9142		9,083.4201
Total	**6.2868**	**69.5998**	**46.3177**	**0.0930**	**13.0100**	**2.9780**	**15.9880**	**5.3948**	**2.7398**	**8.1345**		**9,010.5652**	**9,010.5652**	**2.9142**		**9,083.4201**

3.3 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					4.8202	0.0000	4.8202	1.9988	0.0000	1.9988			0.0000			0.0000
Off-Road	1.1423	4.9501	49.4987	0.0930		0.1523	0.1523		0.1523	0.1523	0.0000	9,010.5652	9,010.5652	2.9142		9,083.4201
Total	**1.1423**	**4.9501**	**49.4987**	**0.0930**	**4.8202**	**0.1523**	**4.9725**	**1.9988**	**0.1523**	**2.1511**	**0.0000**	**9,010.5652**	**9,010.5652**	**2.9142**		**9,083.4201**

3.3 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 Building Construction - 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					
Off-Road	3.0342	28.1238	26.5060	0.0432		1.5377	1.5377		1.4437	1.4437		4,104.0657	4,104.0657	1.0127		4,129.3818
Total	**3.0342**	**28.1238**	**26.5060**	**0.0432**		**1.5377**	**1.5377**		**1.4437**	**1.4437**		**4,104.0657**	**4,104.0657**	**1.0127**		**4,129.3818**

3.4 Building Construction - 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	0.5684	18.1557	4.7464	0.0481	1.1972	0.0371	1.2343	0.3447	0.0355	0.3802		5,140.2678	5,140.2678	0.3028		5,147.8385
Worker	2.0533	1.4113	19.2929	0.0548	5.3541	0.0433	5.3974	1.4199	0.0399	1.4598		5,454.7076	5,454.7076	0.1607		5,458.7257
Total	**2.6217**	**19.5671**	**24.0393**	**0.1029**	**6.5513**	**0.0804**	**6.6317**	**1.7646**	**0.0754**	**1.8400**		**10,594.9754**	**10,594.9754**	**0.4636**		**10,606.5641**

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	0.9147	4.2596	28.3281	0.0432		0.1726	0.1726		0.1726	0.1726	0.0000	4,104.0657	4,104.0657	1.0127		4,129.3818
Total	**0.9147**	**4.2596**	**28.3281**	**0.0432**		**0.1726**	**0.1726**		**0.1726**	**0.1726**	**0.0000**	**4,104.0657**	**4,104.0657**	**1.0127**		**4,129.3818**

3.4 Building Construction - 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	0.5684	18.1557	4.7464	0.0481	1.1972	0.0371	1.2343	0.3447	0.0355	0.3802		5,140.2678	5,140.2678	0.3028		5,147.8385
Worker	2.0533	1.4113	19.2929	0.0548	5.3541	0.0433	5.3974	1.4199	0.0399	1.4598		5,454.7076	5,454.7076	0.1607		5,458.7257
Total	**2.6217**	**19.5671**	**24.0393**	**0.1029**	**6.5513**	**0.0804**	**6.6317**	**1.7646**	**0.0754**	**1.8400**		**10,594.9754**	**10,594.9754**	**0.4636**		**10,606.5641**

3.4 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	2.7219	25.1506	26.1588	0.0432		1.2968	1.2968		1.2183	1.2183		4,105.7280	4,105.7280	1.0066		4,130.8932
Total	**2.7219**	**25.1506**	**26.1588**	**0.0432**		**1.2968**	**1.2968**		**1.2183**	**1.2183**		**4,105.7280**	**4,105.7280**	**1.0066**		**4,130.8932**

3.4 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	0.5335	17.2658	4.4908	0.0476	1.1972	0.0325	1.2297	0.3447	0.0310	0.3757		5,095.4861	5,095.4861	0.2924		5,102.7964
Worker	1.9233	1.2748	17.7998	0.0528	5.3541	0.0419	5.3960	1.4199	0.0386	1.4585		5,262.8320	5,262.8320	0.1453		5,266.4634
Total	**2.4568**	**18.5406**	**22.2906**	**0.1005**	**6.5513**	**0.0744**	**6.6257**	**1.7646**	**0.0696**	**1.8343**		**10,358.3181**	**10,358.3181**	**0.4377**		**10,369.2598**

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	0.8758	4.1906	28.2936	0.0432		0.1573	0.1573		0.1573	0.1573	0.0000	4,105.7280	4,105.7280	1.0066		4,130.8932
Total	**0.8758**	**4.1906**	**28.2936**	**0.0432**		**0.1573**	**0.1573**		**0.1573**	**0.1573**	**0.0000**	**4,105.7280**	**4,105.7280**	**1.0066**		**4,130.8932**

3.4 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	0.5335	17.2658	4.4908	0.0476	1.1972	0.0325	1.2297	0.3447	0.0310	0.3757		5,095.4861	5,095.4861	0.2924		5,102.7964
Worker	1.9233	1.2748	17.7998	0.0528	5.3541	0.0419	5.3960	1.4199	0.0386	1.4585		5,262.8320	5,262.8320	0.1453		5,266.4634
Total	**2.4568**	**18.5406**	**22.2906**	**0.1005**	**6.5513**	**0.0744**	**6.6257**	**1.7646**	**0.0696**	**1.8343**		**10,358.3181**	**10,358.3181**	**0.4377**		**10,369.2598**

3.4 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	2.5102	23.1566	25.9651	0.0433		1.1221	1.1221		1.0544	1.0544		4,107.2303	4,107.2303	1.0005		4,132.2433
Total	**2.5102**	**23.1566**	**25.9651**	**0.0433**		**1.1221**	**1.1221**		**1.0544**	**1.0544**		**4,107.2303**	**4,107.2303**	**1.0005**		**4,132.2433**

3.4 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	0.3958	13.1006	4.0557	0.0461	1.1973	0.0151	1.2124	0.3447	0.0145	0.3592		4,935.0689	4,935.0689	0.2591		4,941.5470
Worker	1.8061	1.1534	16.3920	0.0509	5.3541	0.0407	5.3948	1.4199	0.0375	1.4574		5,070.1287	5,070.1287	0.1310		5,073.4029
Total	**2.2019**	**14.2540**	**20.4477**	**0.0969**	**6.5514**	**0.0559**	**6.6072**	**1.7647**	**0.0520**	**1.8166**		**10,005.1976**	**10,005.1976**	**0.3901**		**10,014.9499**

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	0.8424	4.1271	28.2668	0.0433		0.1441	0.1441		0.1441	0.1441	0.0000	4,107.2303	4,107.2303	1.0005		4,132.2433
Total	**0.8424**	**4.1271**	**28.2668**	**0.0433**		**0.1441**	**0.1441**		**0.1441**	**0.1441**	**0.0000**	**4,107.2303**	**4,107.2303**	**1.0005**		**4,132.2433**

3.4 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	0.3958	13.1006	4.0557	0.0461	1.1973	0.0151	1.2124	0.3447	0.0145	0.3592		4,935.0689	4,935.0689	0.2591		4,941.5470
Worker	1.8061	1.1534	16.3920	0.0509	5.3541	0.0407	5.3948	1.4199	0.0375	1.4574		5,070.1287	5,070.1287	0.1310		5,073.4029
Total	**2.2019**	**14.2540**	**20.4477**	**0.0969**	**6.5514**	**0.0559**	**6.6072**	**1.7647**	**0.0520**	**1.8166**		**10,005.1976**	**10,005.1976**	**0.3901**		**10,014.9499**

3.5 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	1.5491	15.2875	21.8763	0.0342		0.7653	0.7653		0.7041	0.7041		3,311.3762	3,311.3762	1.0710		3,338.1504
Paving	0.6893					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.2384**	**15.2875**	**21.8763**	**0.0342**		**0.7653**	**0.7653**		**0.7041**	**0.7041**		**3,311.3762**	**3,311.3762**	**1.0710**		**3,338.1504**

3.5 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	0.4207	1.8231	25.9435	0.0342		0.0561	0.0561		0.0561	0.0561	0.0000	3,311.3762	3,311.3762	1.0710		3,338.1504
Paving	0.6893					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1100**	**1.8231**	**25.9435**	**0.0342**		**0.0561**	**0.0561**		**0.0561**	**0.0561**	**0.0000**	**3,311.3762**	**3,311.3762**	**1.0710**		**3,338.1504**

3.5 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 Architectural Coating - 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					
Archit. Coating	25.4552					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4091	2.8170	3.6272	5.9400e-003		0.1634	0.1634		0.1634	0.1634		562.8961	562.8961	0.0367		563.8123
Total	**25.8643**	**2.8170**	**3.6272**	**5.9400e-003**		**0.1634**	**0.1634**		**0.1634**	**0.1634**		**562.8961**	**562.8961**	**0.0367**		**563.8123**

3.6 Architectural Coating - 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	0.3855	0.2555	3.5674	0.0106	1.0731	8.4000e-003	1.0815	0.2846	7.7400e-003	0.2923		1,054.7638	1,054.7638	0.0291		1,055.4916
Total	**0.3855**	**0.2555**	**3.5674**	**0.0106**	**1.0731**	**8.4000e-003**	**1.0815**	**0.2846**	**7.7400e-003**	**0.2923**		**1,054.7638**	**1,054.7638**	**0.0291**		**1,055.4916**

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	lb/day										lb/day					
Archit. Coating	25.4552					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	0.2575	3.6648	5.9400e-003		7.9200e-003	7.9200e-003		7.9200e-003	7.9200e-003	0.0000	562.8961	562.8961	0.0367		563.8123
Total	**25.5147**	**0.2575**	**3.6648**	**5.9400e-003**		**7.9200e-003**	**7.9200e-003**		**7.9200e-003**	**7.9200e-003**	**0.0000**	**562.8961**	**562.8961**	**0.0367**		**563.8123**

3.6 Architectural Coating - 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	0.3855	0.2555	3.5674	0.0106	1.0731	8.4000e-003	1.0815	0.2846	7.7400e-003	0.2923		1,054.7638	1,054.7638	0.0291		1,055.4916
Total	**0.3855**	**0.2555**	**3.5674**	**0.0106**	**1.0731**	**8.4000e-003**	**1.0815**	**0.2846**	**7.7400e-003**	**0.2923**		**1,054.7638**	**1,054.7638**	**0.0291**		**1,055.4916**

3.6 Architectural Coating - 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					
Archit. Coating	25.4552					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3833	2.6060	3.6222	5.9400e-003		0.1416	0.1416		0.1416	0.1416		562.8961	562.8961	0.0337		563.7380
Total	**25.8386**	**2.6060**	**3.6222**	**5.9400e-003**		**0.1416**	**0.1416**		**0.1416**	**0.1416**		**562.8961**	**562.8961**	**0.0337**		**563.7380**

3.6 Architectural Coating - 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	0.3620	0.2312	3.2853	0.0102	1.0731	8.1600e-003	1.0812	0.2846	7.5100e-003	0.2921		1,016.1427	1,016.1427	0.0263		1,016.7989
Total	**0.3620**	**0.2312**	**3.2853**	**0.0102**	**1.0731**	**8.1600e-003**	**1.0812**	**0.2846**	**7.5100e-003**	**0.2921**		**1,016.1427**	**1,016.1427**	**0.0263**		**1,016.7989**

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	25.4552					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	0.2575	3.6648	5.9400e-003		7.9200e-003	7.9200e-003		7.9200e-003	7.9200e-003	0.0000	562.8961	562.8961	0.0337		563.7380
Total	**25.5147**	**0.2575**	**3.6648**	**5.9400e-003**		**7.9200e-003**	**7.9200e-003**		**7.9200e-003**	**7.9200e-003**	**0.0000**	**562.8961**	**562.8961**	**0.0337**		**563.7380**

3.6 Architectural Coating - 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	0.3620	0.2312	3.2853	0.0102	1.0731	8.1600e-003	1.0812	0.2846	7.5100e-003	0.2921		1,016.1427	1,016.1427	0.0263		1,016.7989
Total	**0.3620**	**0.2312**	**3.2853**	**0.0102**	**1.0731**	**8.1600e-003**	**1.0812**	**0.2846**	**7.5100e-003**	**0.2921**		**1,016.1427**	**1,016.1427**	**0.0263**		**1,016.7989**

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	3.8282	58.6167	61.0560	0.4001	26.0859	0.2163	26.3022	7.0380	0.2024	7.2404		41,790.6029	41,790.6029	1.6839		41,832.7008
Unmitigated	3.8282	58.6167	61.0560	0.4001	26.0859	0.2163	26.3022	7.0380	0.2024	7.2404		41,790.6029	41,790.6029	1.6839		41,832.7008

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
General Light Industry	2,706.87	2,706.87	2706.87	11,986,773	11,986,773
Parking Lot	0.00	0.00	0.00		
Total	2,706.87	2,706.87	2,706.87	11,986,773	11,986,773

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
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.786000	0.000000	0.000000	0.000000	0.000000	0.000000	0.080000	0.134000	0.000000	0.000000	0.000000	0.000000	0.000000
General Light Industry	0.786000	0.000000	0.000000	0.000000	0.000000	0.000000	0.080000	0.134000	0.000000	0.000000	0.000000	0.000000	0.000000
Parking Lot	0.786000	0.000000	0.000000	0.000000	0.000000	0.000000	0.080000	0.134000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	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	0.2919	2.6532	2.2287	0.0159		0.2016	0.2016		0.2016	0.2016		3,183.8498	3,183.8498	0.0610	0.0584	3,202.7698
NaturalGas Unmitigated	0.2919	2.6532	2.2287	0.0159		0.2016	0.2016		0.2016	0.2016		3,183.8498	3,183.8498	0.0610	0.0584	3,202.7698

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				
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	27062.7	0.2919	2.6532	2.2287	0.0159		0.2016	0.2016		0.2016	0.2016		3,183.8498	3,183.8498	0.0610	0.0584	3,202.7698
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.2919**	**2.6532**	**2.2287**	**0.0159**		**0.2016**	**0.2016**		**0.2016**	**0.2016**		**3,183.8498**	**3,183.8498**	**0.0610**	**0.0584**	**3,202.7698**

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				
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	27.0627	0.2919	2.6532	2.2287	0.0159		0.2016	0.2016		0.2016	0.2016		3,183.8498	3,183.8498	0.0610	0.0584	3,202.7698
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.2919**	**2.6532**	**2.2287**	**0.0159**		**0.2016**	**0.2016**		**0.2016**	**0.2016**		**3,183.8498**	**3,183.8498**	**0.0610**	**0.0584**	**3,202.7698**

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	12.4100	5.2000e-004	0.0571	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1224	0.1224	3.2000e-004		0.1305
Unmitigated	12.4100	5.2000e-004	0.0571	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1224	0.1224	3.2000e-004		0.1305

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	1.4227					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	10.9820					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.2900e-003	5.2000e-004	0.0571	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1224	0.1224	3.2000e-004		0.1305
Total	**12.4099**	**5.2000e-004**	**0.0571**	**0.0000**		**2.0000e-004**	**2.0000e-004**		**2.0000e-004**	**2.0000e-004**		**0.1224**	**0.1224**	**3.2000e-004**		**0.1305**

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	1.4227					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	10.9820					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.2900e-003	5.2000e-004	0.0571	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1224	0.1224	3.2000e-004		0.1305
Total	**12.4099**	**5.2000e-004**	**0.0571**	**0.0000**		**2.0000e-004**	**2.0000e-004**		**2.0000e-004**	**2.0000e-004**		**0.1224**	**0.1224**	**3.2000e-004**		**0.1305**

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

Irwindale 5175 Vincent Avenue

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 Light Industry	545.74	1000sqft	12.41	545,740.00	0
Parking Lot	11.05	Acre	11.05	481,338.00	0
City Park	2.59	Acre	2.59	112,820.40	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	531.75	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Op. year - 2023. CO2 Intensity factor adjusted to reflect RPS value in 2023 (note: CalEEMod default factor is from 2012) - factor reduced by 24.3% based on change in eligible renewables from 22% in 2013 to 41% by 2023.

Land Use - Unit Amounts: Unrefrigerated Warehouse-No Rail: 545,735 sf (on 12.41 acres); Landscaping: 112,749 sf (2.59 acres) Parking: 26.05-2.59-12.41 acres = 11.05 acres for parking. Total lot acreage: 26.05 acres.

Construction Phase - Note: architectural coatings phased assumed to also occur during paving and building construction phases). Days/week modified to reflect 6 days/week.

Off-road Equipment - Hours/day for all off-road construction equipment assumed to be 12 hrs/day (as allowed under Irwindale Municipal Code)

Off-road Equipment - Hours/day for all off-road construction equipment assumed to be 12 hrs/day (as allowed under Irwindale Municipal Code)

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Off-road Equipment - Hours/day for all off-road equipment assumed to be 12 hours per day (as allowed per the Irwindale Municipal Code)

Grading - Balanced soil (from Ken Lee, emails dated March 30, 2020 and April 2, 2020). Therefore, no soil import required. Total acres graded = default CalEEMod value.

Vehicle Trips - Trip rates from Traffic Impact Analysis (Ganddini, 2020): 4.96 trips per thousdand sf.

Energy Use -

Construction Off-road Equipment Mitigation - Reductions include: Water Exposed Area 3x daily; Unpaved Road Mitigation (Moisture Content 12%; Vehicle Speed 15 MPH); Replace Ground Cover of Area Disturbed (5%, per AQMD guidance); Tier 4 engines for equipment > 50h.

Energy Mitigation -

Fleet Mix - Fleet Mix updated to reflect Traffic Study (Ganddini, 2020) - 78.6% Passenger Car; 13.4% Heavy-duty Trucks (3 and 4 axle); 8.0% Medium-duty Trucks (2-axle).

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	24.00
tblConstructionPhase	NumDays	45.00	54.00
tblConstructionPhase	NumDays	440.00	528.00
tblConstructionPhase	NumDays	35.00	42.00
tblConstructionPhase	NumDays	35.00	204.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00

tblConstructionPhase	NumDaysWeek	5.00	6.00
tblFleetMix	HHD	0.03	0.13
tblFleetMix	HHD	0.03	0.13
tblFleetMix	HHD	0.03	0.13
tblFleetMix	LDA	0.55	0.79
tblFleetMix	LDA	0.55	0.79
tblFleetMix	LDA	0.55	0.79
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT2	0.21	0.00
tblFleetMix	LDT2	0.21	0.00
tblFleetMix	LDT2	0.21	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	6.2270e-003	0.00
tblFleetMix	LHD2	6.2270e-003	0.00
tblFleetMix	LHD2	6.2270e-003	0.00
tblFleetMix	MCY	5.1840e-003	0.00
tblFleetMix	MCY	5.1840e-003	0.00
tblFleetMix	MCY	5.1840e-003	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	8.6200e-004	0.00
tblFleetMix	MH	8.6200e-004	0.00

tblFleetMix	MH	8.6200e-004	0.00
tblFleetMix	MHD	0.02	0.08
tblFleetMix	MHD	0.02	0.08
tblFleetMix	MHD	0.02	0.08
tblFleetMix	OBUS	2.5460e-003	0.00
tblFleetMix	OBUS	2.5460e-003	0.00
tblFleetMix	OBUS	2.5460e-003	0.00
tblFleetMix	SBUS	6.9200e-004	0.00
tblFleetMix	SBUS	6.9200e-004	0.00
tblFleetMix	SBUS	6.9200e-004	0.00
tblFleetMix	UBUS	2.1330e-003	0.00
tblFleetMix	UBUS	2.1330e-003	0.00
tblFleetMix	UBUS	2.1330e-003	0.00
tblLandUse	LotAcreage	12.53	12.41
tblOffRoadEquipment	UsageHours	8.00	12.00
tblOffRoadEquipment	UsageHours	8.00	12.00
tblOffRoadEquipment	UsageHours	8.00	12.00
tblOffRoadEquipment	UsageHours	8.00	12.00
tblOffRoadEquipment	UsageHours	8.00	12.00
tblOffRoadEquipment	UsageHours	8.00	12.00
tblOffRoadEquipment	UsageHours	8.00	12.00
tblOffRoadEquipment	UsageHours	7.00	12.00
tblOffRoadEquipment	UsageHours	8.00	12.00
tblOffRoadEquipment	UsageHours	8.00	12.00
tblOffRoadEquipment	UsageHours	7.00	12.00
tblOffRoadEquipment	UsageHours	8.00	12.00
tblOffRoadEquipment	UsageHours	8.00	12.00

tblOffRoadEquipment	UsageHours	8.00	12.00
tblOffRoadEquipment	UsageHours	8.00	12.00
tblOffRoadEquipment	UsageHours	6.00	12.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	531.75
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	1.32	4.96
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	0.68	4.96
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	6.97	4.96

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	6.3821	69.6650	49.3958	0.1416	27.3006	3.0683	30.3689	14.9494	2.8229	17.7722	0.0000	14,239.5097	14,239.5097	2.9205	0.0000	14,276.6728
2022	31.7215	46.8800	54.2585	0.1552	7.6244	1.5441	9.1684	2.0492	1.4602	3.5094	0.0000	15,572.3427	15,572.3427	1.5185	0.0000	15,610.3042
2023	31.1909	40.3355	51.9301	0.1515	7.6244	1.3286	8.9530	2.0492	1.2562	3.3054	0.0000	15,202.3321	15,202.3321	1.4558	0.0000	15,238.7278
Maximum	**31.7215**	**69.6650**	**54.2585**	**0.1552**	**27.3006**	**3.0683**	**30.3689**	**14.9494**	**2.8229**	**17.7722**	**0.0000**	**15,572.3427**	**15,572.3427**	**2.9205**	**0.0000**	**15,610.3042**

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	3.7954	23.9400	51.2179	0.1416	10.2415	0.2542	10.3363	5.5723	0.2491	5.6670	0.0000	14,239.5097	14,239.5097	2.9205	0.0000	14,276.6728
2022	29.5257	23.3606	56.4310	0.1552	7.6244	0.2490	7.8734	2.0492	0.2436	2.2928	0.0000	15,572.3427	15,572.3427	1.5185	0.0000	15,610.3042
2023	29.1992	18.9575	54.2744	0.1515	7.6244	0.2168	7.8412	2.0492	0.2123	2.2615	0.0000	15,202.3321	15,202.3321	1.4558	0.0000	15,238.7278
Maximum	**29.5257**	**23.9400**	**56.4310**	**0.1552**	**10.2415**	**0.2542**	**10.3363**	**5.5723**	**0.2491**	**5.6670**	**0.0000**	**15,572.3427**	**15,572.3427**	**2.9205**	**0.0000**	**15,610.3042**

	ROG	NOx	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	9.78	57.77	-4.07	0.00	40.09	87.88	46.28	49.23	87.27	58.43	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	12.4100	5.2000e-004	0.0571	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1224	0.1224	3.2000e-004		0.1305
Energy	0.2919	2.6532	2.2287	0.0159		0.2016	0.2016		0.2016	0.2016		3,183.8498	3,183.8498	0.0610	0.0584	3,202.7698
Mobile	3.7522	58.9864	58.3292	0.3858	26.0859	0.2194	26.3052	7.0380	0.2052	7.2432		40,322.6978	40,322.6978	1.7206		40,365.7138
Total	**16.4540**	**61.6401**	**60.6149**	**0.4017**	**26.0859**	**0.4212**	**26.5071**	**7.0380**	**0.4071**	**7.4451**		**43,506.6700**	**43,506.6700**	**1.7820**	**0.0584**	**43,568.6141**

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	12.4100	5.2000e-004	0.0571	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1224	0.1224	3.2000e-004		0.1305
Energy	0.2919	2.6532	2.2287	0.0159		0.2016	0.2016		0.2016	0.2016		3,183.8498	3,183.8498	0.0610	0.0584	3,202.7698
Mobile	3.7522	58.9864	58.3292	0.3858	26.0859	0.2194	26.3052	7.0380	0.2052	7.2432		40,322.6978	40,322.6978	1.7206		40,365.7138
Total	**16.4540**	**61.6401**	**60.6149**	**0.4017**	**26.0859**	**0.4212**	**26.5071**	**7.0380**	**0.4071**	**7.4451**		**43,506.6700**	**43,506.6700**	**1.7820**	**0.0584**	**43,568.6141**

	ROG	NOx	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	Site Preparation	Site Preparation	4/1/2021	4/28/2021	6	24	
2	Grading	Grading	4/29/2021	6/30/2021	6	54	
3	Building Construction	Building Construction	7/1/2021	3/8/2023	6	528	
4	Paving	Paving	3/9/2023	4/26/2023	6	42	
5	Architectural Coating	Architectural Coating	9/1/2022	4/26/2023	6	204	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 202.5

Acres of Paving: 11.05

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 818,610; Non-Residential Outdoor: 272,870; Striped Parking Area: 28,880 (Architectural Coating – sqft)

OffRoad Equipment

Irwindale 5175 Vincent Avenue - Los Angeles-South Coast County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	12.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	12.00	97	0.37
Grading	Excavators	2	12.00	158	0.38
Grading	Graders	1	12.00	187	0.41
Grading	Rubber Tired Dozers	1	12.00	247	0.40
Grading	Scrapers	2	12.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	12.00	97	0.37
Building Construction	Cranes	1	12.00	231	0.29
Building Construction	Forklifts	3	12.00	89	0.20
Building Construction	Generator Sets	1	12.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	12.00	97	0.37
Building Construction	Welders	1	12.00	46	0.45
Paving	Pavers	2	12.00	130	0.42
Paving	Paving Equipment	2	12.00	132	0.36
Paving	Rollers	2	12.00	80	0.38
Architectural Coating	Air Compressors	1	12.00	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
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	479.00	187.00	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	96.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

3.2 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					27.0994	0.0000	27.0994	14.8960	0.0000	14.8960			0.0000			0.0000
Off-Road	5.8323	60.7456	31.7314	0.0570		3.0667	3.0667		2.8214	2.8214		5,528.4853	5,528.4853	1.7880		5,573.1859
Total	**5.8323**	**60.7456**	**31.7314**	**0.0570**	**27.0994**	**3.0667**	**30.1661**	**14.8960**	**2.8214**	**17.7174**		**5,528.4853**	**5,528.4853**	**1.7880**		**5,573.1859**

3.2 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					10.0403	0.0000	10.0403	5.5190	0.0000	5.5190			0.0000			0.0000
Off-Road	0.6984	3.0262	31.3035	0.0570		0.0931	0.0931		0.0931	0.0931	0.0000	5,528.4853	5,528.4853	1.7880		5,573.1959
Total	**0.6984**	**3.0262**	**31.3035**	**0.0570**	**10.0403**	**0.0931**	**10.1334**	**5.5190**	**0.0931**	**5.6121**	**0.0000**	**5,528.4853**	**5,528.4853**	**1.7880**		**5,573.1959**

3.2 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**

3.3 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					13.0100	0.0000	13.0100	5.3948	0.0000	5.3948			0.0000			0.0000
Off-Road	6.2868	69.5998	46.3177	0.0930		2.9780	2.9780		2.7398	2.7398		9,010.5652	9,010.5652	2.9142		9,083.4201
Total	**6.2868**	**69.5998**	**46.3177**	**0.0930**	**13.0100**	**2.9780**	**15.9880**	**5.3948**	**2.7398**	**8.1345**		**9,010.5652**	**9,010.5652**	**2.9142**		**9,083.4201**

3.3 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					4.8202	0.0000	4.8202	1.9988	0.0000	1.9988			0.0000			0.0000
Off-Road	1.1423	4.9501	49.4987	0.0930		0.1523	0.1523		0.1523	0.1523	0.0000	9,010.5652	9,010.5652	2.9142		9,083.4201
Total	**1.1423**	**4.9501**	**49.4987**	**0.0930**	**4.8202**	**0.1523**	**4.9725**	**1.9988**	**0.1523**	**2.1511**	**0.0000**	**9,010.5652**	**9,010.5652**	**2.9142**		**9,083.4201**

3.3 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 Building Construction - 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					
Off-Road	3.0342	28.1238	26.5060	0.0432		1.5377	1.5377		1.4437	1.4437		4,104.0657	4,104.0657	1.0127		4,129.3818
Total	**3.0342**	**28.1238**	**26.5060**	**0.0432**		**1.5377**	**1.5377**		**1.4437**	**1.4437**		**4,104.0657**	**4,104.0657**	**1.0127**		**4,129.3818**

3.4 Building Construction - 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	0.5967	18.1182	5.2504	0.0468	1.1972	0.0383	1.2355	0.3447	0.0366	0.3813		4,999.3613	4,999.3613	0.3227		5,007.4299
Worker	2.2840	1.5623	17.6395	0.0516	5.3541	0.0433	5.3974	1.4199	0.0399	1.4598		5,136.0827	5,136.0827	0.1511		5,139.8611
Total	**2.8807**	**19.6804**	**22.8898**	**0.0983**	**6.5513**	**0.0816**	**6.6329**	**1.7646**	**0.0765**	**1.8411**		**10,135.4440**	**10,135.4440**	**0.4739**		**10,147.2910**

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	0.9147	4.2596	28.3281	0.0432		0.1726	0.1726		0.1726	0.1726	0.0000	4,104.0657	4,104.0657	1.0127		4,129.3818
Total	**0.9147**	**4.2596**	**28.3281**	**0.0432**		**0.1726**	**0.1726**		**0.1726**	**0.1726**	**0.0000**	**4,104.0657**	**4,104.0657**	**1.0127**		**4,129.3818**

3.4 Building Construction - 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	0.5967	18.1182	5.2504	0.0468	1.1972	0.0383	1.2355	0.3447	0.0366	0.3813		4,999.3613	4,999.3613	0.3227		5,007.4299
Worker	2.2840	1.5623	17.6395	0.0516	5.3541	0.0433	5.3974	1.4199	0.0399	1.4598		5,136.0827	5,136.0827	0.1511		5,139.8611
Total	**2.8807**	**19.6804**	**22.8898**	**0.0983**	**6.5513**	**0.0816**	**6.6329**	**1.7646**	**0.0765**	**1.8411**		**10,135.4440**	**10,135.4440**	**0.4739**		**10,147.2910**

3.4 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	2.7219	25.1506	26.1588	0.0432		1.2968	1.2968		1.2183	1.2183		4,105.7280	4,105.7280	1.0066		4,130.8932
Total	**2.7219**	**25.1506**	**26.1588**	**0.0432**		**1.2968**	**1.2968**		**1.2183**	**1.2183**		**4,105.7280**	**4,105.7280**	**1.0066**		**4,130.8932**

3.4 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	0.5602	17.2188	4.9699	0.0463	1.1972	0.0335	1.2308	0.3447	0.0321	0.3768		4,954.9442	4,954.9442	0.3114		4,962.7293
Worker	2.1452	1.4109	16.2466	0.0497	5.3541	0.0419	5.3960	1.4199	0.0386	1.4585		4,955.5877	4,955.5877	0.1365		4,958.9990
Total	**2.7053**	**18.6297**	**21.2164**	**0.0961**	**6.5513**	**0.0754**	**6.6268**	**1.7646**	**0.0707**	**1.8353**		**9,910.5319**	**9,910.5319**	**0.4479**		**9,921.7283**

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	0.8758	4.1906	28.2936	0.0432		0.1573	0.1573		0.1573	0.1573	0.0000	4,105.7280	4,105.7280	1.0066		4,130.8932
Total	**0.8758**	**4.1906**	**28.2936**	**0.0432**		**0.1573**	**0.1573**		**0.1573**	**0.1573**	**0.0000**	**4,105.7280**	**4,105.7280**	**1.0066**		**4,130.8932**

3.4 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	0.5602	17.2188	4.9699	0.0463	1.1972	0.0335	1.2308	0.3447	0.0321	0.3768		4,954.9442	4,954.9442	0.3114		4,962.7293
Worker	2.1452	1.4109	16.2466	0.0497	5.3541	0.0419	5.3960	1.4199	0.0386	1.4585		4,955.5877	4,955.5877	0.1365		4,958.9990
Total	**2.7053**	**18.6297**	**21.2164**	**0.0961**	**6.5513**	**0.0754**	**6.6268**	**1.7646**	**0.0707**	**1.8353**		**9,910.5319**	**9,910.5319**	**0.4479**		**9,921.7283**

3.4 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	2.5102	23.1566	25.9651	0.0433		1.1221	1.1221		1.0544	1.0544		4,107.2303	4,107.2303	1.0005		4,132.2433
Total	**2.5102**	**23.1566**	**25.9651**	**0.0433**		**1.1221**	**1.1221**		**1.0544**	**1.0544**		**4,107.2303**	**4,107.2303**	**1.0005**		**4,132.2433**

3.4 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	0.4162	13.0411	4.4162	0.0448	1.1973	0.0159	1.2132	0.3447	0.0152	0.3599		4,801.0625	4,801.0625	0.2741		4,807.9160
Worker	2.0210	1.2760	14.9336	0.0479	5.3541	0.0407	5.3948	1.4199	0.0375	1.4574		4,774.2916	4,774.2916	0.1229		4,777.3632
Total	**2.4371**	**14.3172**	**19.3498**	**0.0927**	**6.5514**	**0.0566**	**6.6080**	**1.7647**	**0.0527**	**1.8174**		**9,575.3540**	**9,575.3540**	**0.3970**		**9,585.2792**

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	0.8424	4.1271	28.2668	0.0433		0.1441	0.1441		0.1441	0.1441	0.0000	4,107.2303	4,107.2303	1.0005		4,132.2433
Total	**0.8424**	**4.1271**	**28.2668**	**0.0433**		**0.1441**	**0.1441**		**0.1441**	**0.1441**	**0.0000**	**4,107.2303**	**4,107.2303**	**1.0005**		**4,132.2433**

3.4 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	0.4162	13.0411	4.4162	0.0448	1.1973	0.0159	1.2132	0.3447	0.0152	0.3599		4,801.0625	4,801.0625	0.2741		4,807.9160
Worker	2.0210	1.2760	14.9336	0.0479	5.3541	0.0407	5.3948	1.4199	0.0375	1.4574		4,774.2916	4,774.2916	0.1229		4,777.3632
Total	**2.4371**	**14.3172**	**19.3498**	**0.0927**	**6.5514**	**0.0566**	**6.6080**	**1.7647**	**0.0527**	**1.8174**		**9,575.3540**	**9,575.3540**	**0.3970**		**9,585.2792**

3.5 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	1.5491	15.2875	21.8763	0.0342		0.7653	0.7653		0.7041	0.7041		3,311.3762	3,311.3762	1.0710		3,338.1504
Paving	0.6893					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.2384**	**15.2875**	**21.8763**	**0.0342**		**0.7653**	**0.7653**		**0.7041**	**0.7041**		**3,311.3762**	**3,311.3762**	**1.0710**		**3,338.1504**

3.5 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	0.4207	1.8231	25.9435	0.0342		0.0561	0.0561		0.0561	0.0561	0.0000	3,311.3762	3,311.3762	1.0710		3,338.1504
Paving	0.6893					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1100**	**1.8231**	**25.9435**	**0.0342**		**0.0561**	**0.0561**		**0.0561**	**0.0561**	**0.0000**	**3,311.3762**	**3,311.3762**	**1.0710**		**3,338.1504**

3.5 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 Architectural Coating - 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					
Archit. Coating	25.4552					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4091	2.8170	3.6272	5.9400e-003		0.1634	0.1634		0.1634	0.1634		562.8961	562.8961	0.0367		563.8123
Total	**25.8643**	**2.8170**	**3.6272**	**5.9400e-003**		**0.1634**	**0.1634**		**0.1634**	**0.1634**		**562.8961**	**562.8961**	**0.0367**		**563.8123**

3.6 Architectural Coating - 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	0.4299	0.2828	3.2561	9.9700e-003	1.0731	8.4000e-003	1.0815	0.2846	7.7400e-003	0.2923		993.1867	993.1867	0.0274		993.8704
Total	**0.4299**	**0.2828**	**3.2561**	**9.9700e-003**	**1.0731**	**8.4000e-003**	**1.0815**	**0.2846**	**7.7400e-003**	**0.2923**		**993.1867**	**993.1867**	**0.0274**		**993.8704**

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	25.4552					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	0.2575	3.6648	5.9400e-003		7.9200e-003	7.9200e-003		7.9200e-003	7.9200e-003	0.0000	562.8961	562.8961	0.0367		563.8123
Total	**25.5147**	**0.2575**	**3.6648**	**5.9400e-003**		**7.9200e-003**	**7.9200e-003**		**7.9200e-003**	**7.9200e-003**	**0.0000**	**562.8961**	**562.8961**	**0.0367**		**563.8123**

3.6 Architectural Coating - 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	0.4299	0.2828	3.2561	9.9700e-003	1.0731	8.4000e-003	1.0815	0.2846	7.7400e-003	0.2923		993.1867	993.1867	0.0274		993.8704
Total	**0.4299**	**0.2828**	**3.2561**	**9.9700e-003**	**1.0731**	**8.4000e-003**	**1.0815**	**0.2846**	**7.7400e-003**	**0.2923**		**993.1867**	**993.1867**	**0.0274**		**993.8704**

3.6 Architectural Coating - 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					
Archit. Coating	25.4552					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3833	2.6060	3.6222	5.9400e-003		0.1416	0.1416		0.1416	0.1416		562.8961	562.8961	0.0337		563.7380
Total	**25.8386**	**2.6060**	**3.6222**	**5.9400e-003**		**0.1416**	**0.1416**		**0.1416**	**0.1416**		**562.8961**	**562.8961**	**0.0337**		**563.7380**

3.6 Architectural Coating - 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	0.4050	0.2557	2.9930	9.6000e-003	1.0731	8.1600e-003	1.0812	0.2846	7.5100e-003	0.2921		956.8518	956.8518	0.0246		957.4674
Total	**0.4050**	**0.2557**	**2.9930**	**9.6000e-003**	**1.0731**	**8.1600e-003**	**1.0812**	**0.2846**	**7.5100e-003**	**0.2921**		**956.8518**	**956.8518**	**0.0246**		**957.4674**

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	25.4552					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	0.2575	3.6648	5.9400e-003		7.9200e-003	7.9200e-003		7.9200e-003	7.9200e-003	0.0000	562.8961	562.8961	0.0337		563.7380
Total	**25.5147**	**0.2575**	**3.6648**	**5.9400e-003**		**7.9200e-003**	**7.9200e-003**		**7.9200e-003**	**7.9200e-003**	**0.0000**	**562.8961**	**562.8961**	**0.0337**		**563.7380**

3.6 Architectural Coating - 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	0.4050	0.2557	2.9930	9.6000e-003	1.0731	8.1600e-003	1.0812	0.2846	7.5100e-003	0.2921		956.8518	956.8518	0.0246		957.4674
Total	**0.4050**	**0.2557**	**2.9930**	**9.6000e-003**	**1.0731**	**8.1600e-003**	**1.0812**	**0.2846**	**7.5100e-003**	**0.2921**		**956.8518**	**956.8518**	**0.0246**		**957.4674**

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	3.7522	58.9864	58.3292	0.3858	26.0859	0.2194	26.3052	7.0380	0.2052	7.2432		40,322.6978	40,322.6978	1.7206		40,365.7138
Unmitigated	3.7522	58.9864	58.3292	0.3858	26.0859	0.2194	26.3052	7.0380	0.2052	7.2432		40,322.6978	40,322.6978	1.7206		40,365.7138

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
General Light Industry	2,706.87	2,706.87	2706.87	11,986,773	11,986,773
Parking Lot	0.00	0.00	0.00		
Total	2,706.87	2,706.87	2,706.87	11,986,773	11,986,773

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
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.786000	0.000000	0.000000	0.000000	0.000000	0.000000	0.080000	0.134000	0.000000	0.000000	0.000000	0.000000	0.000000
General Light Industry	0.786000	0.000000	0.000000	0.000000	0.000000	0.000000	0.080000	0.134000	0.000000	0.000000	0.000000	0.000000	0.000000
Parking Lot	0.786000	0.000000	0.000000	0.000000	0.000000	0.000000	0.080000	0.134000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	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	0.2919	2.6532	2.2287	0.0159		0.2016	0.2016		0.2016	0.2016		3,183.8498	3,183.8498	0.0610	0.0584	3,202.7698
NaturalGas Unmitigated	0.2919	2.6532	2.2287	0.0159		0.2016	0.2016		0.2016	0.2016		3,183.8498	3,183.8498	0.0610	0.0584	3,202.7698

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				
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	27062.7	0.2919	2.6532	2.2287	0.0159		0.2016	0.2016		0.2016	0.2016		3,183.8498	3,183.8498	0.0610	0.0584	3,202.7698
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.2919**	**2.6532**	**2.2287**	**0.0159**		**0.2016**	**0.2016**		**0.2016**	**0.2016**		**3,183.8498**	**3,183.8498**	**0.0610**	**0.0584**	**3,202.7698**

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				
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	27.0627	0.2919	2.6532	2.2287	0.0159		0.2016	0.2016		0.2016	0.2016		3,183.8498	3,183.8498	0.0610	0.0584	3,202.7698
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.2919**	**2.6532**	**2.2287**	**0.0159**		**0.2016**	**0.2016**		**0.2016**	**0.2016**		**3,183.8498**	**3,183.8498**	**0.0610**	**0.0584**	**3,202.7698**

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	12.4100	5.2000e-004	0.0571	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1224	0.1224	3.2000e-004		0.1305
Unmitigated	12.4100	5.2000e-004	0.0571	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1224	0.1224	3.2000e-004		0.1305

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	1.4227					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	10.9820					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.2900e-003	5.2000e-004	0.0571	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1224	0.1224	3.2000e-004		0.1305
Total	**12.4099**	**5.2000e-004**	**0.0571**	**0.0000**		**2.0000e-004**	**2.0000e-004**		**2.0000e-004**	**2.0000e-004**		**0.1224**	**0.1224**	**3.2000e-004**		**0.1305**

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	1.4227					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	10.9820					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.2900e-003	5.2000e-004	0.0571	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1224	0.1224	3.2000e-004		0.1305
Total	**12.4099**	**5.2000e-004**	**0.0571**	**0.0000**		**2.0000e-004**	**2.0000e-004**		**2.0000e-004**	**2.0000e-004**		**0.1224**	**0.1224**	**3.2000e-004**		**0.1305**

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

Appendix B.3

Energy Consumption Estimates

EMFAC2017 (v1.0.2) Emissions Inventory
Region Type: County
Region: LOS ANGELES
Calendar Year: 2023
Season: Annual
Vehicle Classification: EMFAC2011 Categories
Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption. Note 'day' in the unit is operation day.

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	VMT	Fuel Consumption	MPG	
LOS ANGELES	2023	All Other Buses	Aggregated	Aggregated	DSL	2453.780294	150763	14.31029644	10.53528	
LOS ANGELES	2023	LDA	Aggregated	Aggregated	GAS	4079718.343	1.54E+08	4943.660073	31.11312	
LOS ANGELES	2023	LDA	Aggregated	Aggregated	DSL	37620.08952	1468847	30.23068474	48.58796	
LOS ANGELES	2023	LDA	Aggregated	Aggregated	ELEC	93246.42895	3877173	0	#DIV/0!	
LOS ANGELES	2023	LDT1	Aggregated	Aggregated	GAS	480759.8328	17733494	661.8900744	26.7922	
LOS ANGELES	2023	LDT1	Aggregated	Aggregated	DSL	257.6434833	6250.547	0.282612153	22.11705	
LOS ANGELES	2023	LDT1	Aggregated	Aggregated	ELEC	4694.098206	199559.1	0	#DIV/0!	
LOS ANGELES	2023	LDT2	Aggregated	Aggregated	GAS	1420577.957	53205335	2111.835151	25.19389	
LOS ANGELES	2023	LDT2	Aggregated	Aggregated	DSL	9886.840992	410652.3	11.47875608	35.77498	
LOS ANGELES	2023	LDT2	Aggregated	Aggregated	ELEC	18529.7361	593086.6	0	#DIV/0!	
LOS ANGELES	2023	LHD1	Aggregated	Aggregated	GAS	107353.7456	3873368	366.2400016	10.57604	
LOS ANGELES	2023	LHD1	Aggregated	Aggregated	DSL	71099.52621	2976583	134.8364525	22.07551	
LOS ANGELES	2023	LHD2	Aggregated	Aggregated	GAS	18246.17882	636806.1	69.11659593	9.213505	
LOS ANGELES	2023	LHD2	Aggregated	Aggregated	DSL	28768.3231	1158888	58.28800151	19.8821	
LOS ANGELES	2023	MCY	Aggregated	Aggregated	GAS	188536.3972	1317300	36.84713681	35.75039	
LOS ANGELES	2023	MDV	Aggregated	Aggregated	GAS	951148.1238	33069619	1617.672656	20.44271	
LOS ANGELES	2023	MDV	Aggregated	Aggregated	DSL	21713.14607	843603.4	30.49995102	27.65917	
LOS ANGELES	2023	MDV	Aggregated	Aggregated	ELEC	10527.8392	347358.6	0	#DIV/0!	
LOS ANGELES	2023	MH	Aggregated	Aggregated	GAS	19632.08957	198292.7	38.11803067	5.20207	
LOS ANGELES	2023	MH	Aggregated	Aggregated	DSL	6442.422087	66663.72	6.253802478	10.65971	
LOS ANGELES	2023	Motor Coach	Aggregated	Aggregated	DSL	671.8209096	94677.59	14.10776679	6.711026	
LOS ANGELES	2023	OBUS	Aggregated	Aggregated	GAS	4020.759353	164000.6	32.38996349	5.063316	
LOS ANGELES	2023	PTO	Aggregated	Aggregated	DSL	0	79942.03	15.4668659	5.168599	
LOS ANGELES	2023	SBUS	Aggregated	Aggregated	GAS	1498.084511	60378.45	6.505272296	9.281464	
LOS ANGELES	2023	SBUS	Aggregated	Aggregated	DSL	3895.844354	123040.6	16.01651846	7.682109	MHD
LOS ANGELES	2023	T6 Ag	Aggregated	Aggregated	DSL	11.67476155	97.07385	0.011080203	8.761017	10.16203
LOS ANGELES	2023	T6 CAIRP heavy	Aggregated	Aggregated	DSL	349.6383777	68307.7	5.741529689	11.89713	
LOS ANGELES	2023	T6 CAIRP small	Aggregated	Aggregated	DSL	184.7839559	9654.964	0.864549799	11.16762	
LOS ANGELES	2023	T6 instate construction hea	Aggregated	Aggregated	DSL	2618.326334	172411.6	16.16246622	10.66741	
LOS ANGELES	2023	T6 instate construction sm	Aggregated	Aggregated	DSL	8139.325817	456545.6	42.39392411	10.76913	
LOS ANGELES	2023	T6 instate heavy	Aggregated	Aggregated	DSL	10786.51244	1499121	130.4795504	11.48932	
LOS ANGELES	2023	T6 instate small	Aggregated	Aggregated	DSL	38175.77868	2025193	186.7456954	10.84465	
LOS ANGELES	2023	T6 OOS heavy	Aggregated	Aggregated	DSL	202.1917854	39591.66	3.325627066	11.90502	
LOS ANGELES	2023	T6 OOS small	Aggregated	Aggregated	DSL	105.7912941	5491.948	0.492296399	11.15578	
LOS ANGELES	2023	T6 Public	Aggregated	Aggregated	DSL	4562.406266	71552.49	8.604352208	8.315849	
LOS ANGELES	2023	T6 utility	Aggregated	Aggregated	DSL	1029.350505	17254.27	1.751558673	9.850811	
LOS ANGELES	2023	T6TS	Aggregated	Aggregated	GAS	14791.98296	816335	159.4208227	5.12063	HHD
LOS ANGELES	2023	T7 Ag	Aggregated	Aggregated	DSL	5.450542727	89.56607	0.015745035	5.688528	6.050908
LOS ANGELES	2023	T7 CAIRP	Aggregated	Aggregated	DSL	6343.347191	1154321	161.4619094	7.149182	
LOS ANGELES	2023	T7 CAIRP construction	Aggregated	Aggregated	DSL	679.1643287	123844.8	16.39059596	7.555842	
LOS ANGELES	2023	T7 NNOOS	Aggregated	Aggregated	DSL	7121.061939	1407158	187.176984	7.517796	
LOS ANGELES	2023	T7 NOOS	Aggregated	Aggregated	DSL	2513.987908	453542	65.04522279	6.972719	
LOS ANGELES	2023	T7 POLA	Aggregated	Aggregated	DSL	8519.119436	1135876	176.1245414	6.449277	
LOS ANGELES	2023	T7 Public	Aggregated	Aggregated	DSL	5566.242618	112766.5	19.11724284	5.898678	
LOS ANGELES	2023	T7 Single	Aggregated	Aggregated	DSL	6149.267846	402604	58.13099302	6.925807	
LOS ANGELES	2023	T7 single construction	Aggregated	Aggregated	DSL	4427.380162	307236.1	43.27968855	7.098851	
LOS ANGELES	2023	T7 SWCV	Aggregated	Aggregated	DSL	1267.904477	51803.42	25.53003199	2.029117	
LOS ANGELES	2023	T7 SWCV	Aggregated	Aggregated	NG	2800.075382	114024.8	50.24085774	2.269564	
LOS ANGELES	2023	T7 tractor	Aggregated	Aggregated	DSL	12343.86745	1684212	222.0396063	7.585188	
LOS ANGELES	2023	T7 tractor construction	Aggregated	Aggregated	DSL	3720.516306	253442.7	35.83999783	7.071505	
LOS ANGELES	2023	T7 utility	Aggregated	Aggregated	DSL	410.896106	8338.94	1.314768721	6.342514	
LOS ANGELES	2023	T7IS	Aggregated	Aggregated	GAS	53.11282542	6012.489	1.428465935	4.209053	
LOS ANGELES	2023	UBUS	Aggregated	Aggregated	GAS	466.4659792	33779.5	7.764629988	4.350433	
LOS ANGELES	2023	UBUS	Aggregated	Aggregated	DSL	37.1389	5105.145	0.807132926	6.325037	
LOS ANGELES	2023	UBUS	Aggregated	Aggregated	ELEC	14	1217.554	0	#DIV/0!	
LOS ANGELES	2023	UBUS	Aggregated	Aggregated	NG	4202.367788	445285.1	113.219219	3.932947	

On-road Mobile (Operational) Energy Usage

Unmitigated:

Step 1:

Therefore:

Average Daily VMT:

31,783 Source: Traffic Study

Step 2: Given:

Fleet Mix (CalEEMod Output)

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
78.6000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	21.4000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%

And:

Gasoline MPG Factors for each Vehicle Class - Year 2023 (EMFAC2017 Output)

LDA	LDT1	LDT2	MDV	MCY	MH
31.11312056	26.7922	25.19389	20.44271367	35.75039431	5.202069986

Diesel MPG Factors for each Vehicle Class - Year 2023 (EMFAC2017 Output)

LHD1	LHD2	MHD	HHD	OBUS	UBUS	SBUS
22.07550589	19.8821	10.16203	6.05090806	5.063316024	6.325036602	7.682109

Therefore:

Weighted Average MPG Factors

Gasoline: **31.1** Diesel: **6.1**

Step 3: **Therefore:**

803	**daily gallons of gasoline**	**1,124**	**daily gallons of diesel**

or

293,069	**annual gallons of gasoline**	**410,284**	**annual gallons of diesel**

Off-road Mobile (Construction) Energy Usage

Note: For the sake of simplicity, and as a conservative estimation, it was assumed that all off-road vehicles use diesel fuel as an energy source. Site preparation and grading off-road mobile vehicle on-site gallons of fuel are calculated below.

Given Factor:	**283.2**	**metric tons**	**CO2**	**(provided in CalEEMod Output File)**	
Conversion Factor:	2204.6262	pounds	per metric ton		
Intermediate Result:	**624,261**	**pounds**	**CO2**		
Conversion Factor:	22.38	pounds	CO2 per 1 gallon of diesel fuel		Source: U.S. EIA, 2016
Final Result:	**27,893.71**	**gallons**	**diesel fuel**		http://www.eia.gov/tools/faqs/faq.cfm?id=307&t=11

Mitigated Onsite Scenario	Total CO2 (MT/yr) (provided in CalEEMod Output File)

On-road Mobile (Construction) Energy Usage - Site Preparation

Step 1: **Total Daily Worker Trips (CalEEMod Output)**

18

Worker Trip Length (miles) (CalEEMod Output)

14.7

Therefore:

Average Worker Daily VMT:

265

Step 2: Given:

Assumed Fleet Mix for Workers (Percentage mix is provided on Appendix A: Calculation Details for CalEEMOD p. 15)

LDA	LDT1	LDT2
0.5	0.25	0.25

And:

Gasoline MPG Factors for each Vehicle Class (from EMFAC2017) - Year 2023

LDA	LDT1	LDT2
31.113121	**26.792203**	**25.193886**

Therefore:

Weighted Average Worker MPG Factor

28.6

Step 3: **Therefore:**

9.3 Worker daily gallons of gasoline

Step 4: 24 **# of Days (CalEEMod Output)**

Therefore:

Result: **222** **Total gallons of gasoline**

On-road Mobile (Construction) Energy Usage - Grading

Step 1: **Total Daily Worker Trips (CalEEMod Output)**

20

Worker Trip Length (miles) (CalEEMod Output)

14.7

Therefore:
Average Worker Daily VMT:
294

Step 2: Given:
Assumed Fleet Mix for Workers (Percentage mix is provided on Appendix A: Calculation Details for CalEEMOD p. 15)

LDA	LDT1	LDT2
0.5	0.25	0.25

And:
Gasoline MPG Factors for each Vehicle Class (from EMFAC2017) - Year 2023

LDA	LDT1	LDT2
31.113121	26.792203	25.193886

Therefore:
Weighted Average Worker MPG Factor

28.6

Step 3: **Therefore:**
10.3 Worker daily gallons of gasoline

Step 4: 54 **# of Days (CalEEMod Output)**

Therefore:
Result: **556** **Total gallons of gasoline**

On-road Mobile (Construction) Energy Usage - Building Construction

Step 1:

Total Daily Worker Trips (CalEEMod Output)			Total Daily Vendor Trips (CalEEMod Output)		
479	5%	24	187	5%	9

Note: Assumes 5% of Project site under construction at given point in time (on average) until buildout.

Worker Trip Length (miles) (CalEEMod Output)	Vendor Trip Length (miles) (CalEEMod Output)
14.7	6.9

Therefore:

Average Worker Daily VMT:	Average Vendor Daily VMT:
352	65

Step 2:

Given:

Assumed Fleet Mix for Workers (Percentage mix is provided on Appendix A: Calculation Details for CalEEMOD p. 15)

LDA	LDT1	LDT2
0.5	0.25	0.25

Assumed Fleet Mix for Vendors

Fleet Mix for Workers (CalEEMod Output)

MHD	HHD
0%	100%

And:

MPG Factors for each Vehicle Class (from EMFAC2017) - Year 2023

Gasoline:		
LDA	LDT1	LDT2
31.11312056	26.792203	25.193886

Diesel:	
MHD	HHD
10.16202951	6.0509081

Therefore:

Weighted Average Worker (Gasoline) MPG Factor	Weighted Average Vendor (Diesel) MPG Factor
28.6	6.1

Step 3:

Therefore:	Therefore:
12 Worker daily gallons of gasoline	11 Vendor daily gallons of diesel

Step 4:

528 # of Days (CalEEMod Output)

Therefore:

6,510 Total gallons of gasoline	Therefore: 5,630 Total gallons of diesel

On-road Mobile (Construction) Energy Usage - Paving

Step 1: **Total Daily Worker Trips (CalEEMod Output)**

15

Worker Trip Length (miles) (CalEEMod Output)

14.7

Therefore:

Average Worker Daily VMT:

221

Step 2: Given:

Assumed Fleet Mix for Workers (Percentage mix is provided on Appendix A: Calculation Details for CalEEMOD p. 15)

LDA	LDT1	LDT2
0.5	0.25	0.25

And:

Gasoline MPG Factors for each Vehicle Class (from EMFAC2017) - Year 2023

LDA	LDT1	LDT2
31.113121	26.792203	25.193886

Therefore:

Weighted Average Worker MPG Factor

28.6

Step 3: **Therefore:**

7.7 Worker daily gallons of gasoline

Step 4: 42 **# of Days (CalEEMod Output)**

Therefore:

Result: **324** **Total gallons of gasoline**

On-road Mobile (Construction) Energy Usage - Architectural Coating

Step 1: **Total Daily Worker Trips (CalEEMod Output)**

96	5%	5

Note: Assumes 5% of Plan Area under construction at given point in time (on average) until buildout.

Worker Trip Length (miles) (CalEEMod Output)

14.7

Therefore:

Average Worker Daily VMT:

71

Step 2: Given:

Assumed Fleet Mix for Workers (Percentage mix is provided on Appendix A: Calculation Details for CalEEMOD p. 15)

LDA	LDT1	LDT2
0.5	0.25	0.25

And:

Gasoline MPG Factors for each Vehicle Class (EMFAC2017 Output) - Year 2023

LDA	LDT1	LDT2
31.113121	26.792203	25.193886

Therefore:

Weighted Average Worker MPG Factor

28.6

Step 3: **Therefore:**

2.5 Worker daily gallons of gasoline

Step 4: 204 **# of Days (CalEEMod Output)**

Therefore:

Result: **504** **Total gallons of gasoline**

Appendix B.4

Air Toxics Health Risk Assessment (HRA)

ANALYSIS OF PUBLIC HEALTH RISKS

FOR THE

5175 VINCENT AVENUE PROJECT

IRWINDALE, CALIFORNIA

~~DECEMBER 1, 2020~~MAY 25, 2021

PROJECT TITLE

5175 Vincent Avenue Project

PREPARED BY:

De Novo Planning Group
1020 Suncast Lane Suite 106
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APPENDIX 3: AERMOD OUTPUT FILE
APPENDIX 4: HARP2 OUTPUT FILE

INTRODUCTION

This Health Risk Assessment (HRA) was prepared to assess potential public health risks that may be present at the proposed 5175 Vincent Avenue Project in the city of Irwindale, Los Angeles County, California. This report analyzes the emissions of toxic air pollutants within the project area and their impacts on public health.

PROJECT LOCATION AND SETTING

The 5175 Vincent Avenue Project site is located north of a Los Angeles County-owned pit, east of Allen Drive, south of East Arrow Highway, and west of Vincent Avenue in Irwindale, California. The Project site totals approximately 26.05 acres and is comprised of two vacant parcels; one of which is an undeveloped, recently filled, former aggregate mine pit known as the Manning Pit. The 2018 Assessor's Parcel Numbers (APNs) for the Project site are 8417-034-015 and 8417-034-016 (formally APNs: 8417-034-904, 8417-034-910, and 8417-034-911). The elevation of the site ranges from approximately 400 feet to 460 feet above mean sea level (MSL). The property is immediately adjacent to unincorporated Los Angeles County to the south and east.

PROJECT BACKGROUND

The Project site is the general location of the Irwindale Pit No. 1 (Manning Brothers Pit) Project, which proposed reclamation of the historic mining pit. Mining of the Manning Pit began in the 1930s and was completed in the 1970s. The City of Irwindale acquired the northern portion of the pit (approximately 37 acres) in the late 1980s from the County of Los Angeles, and the County retained the remainder (approximately 45 acres) which is currently used as a supplemental water recharge basin in conjunction with the Irwindale Recharge Basin, located just to the west.

After its acquisition, the City began backfilling the site with a variety of construction debris. However, backfilling was stopped in 1992 when it was discovered that improper filling methods had been used by the contractor. In 2008, the City approved new remediation plans and an Initial Study/Mitigated Negative Declaration (which was subsequently amended in 2009) to excavate the improperly filled site and backfill again according to all local, regional, state and federal standards. A reclamation process for the mine was completed and a closure report was approved by the City Council in January 2019 allowing for development of the site.

PROJECT DESCRIPTION

The Project proposes development of a 545,735-sf concrete tilt-up industrial warehouse building on the 26.05-acre site. Approximately 540,447 sf would be ground floor area and 5,000 sf would be mezzanine area.

A high-cube warehouse is a building that typically has at least 200,000 gross sf of floor area, has a ceiling height of 24 feet or more, and is used primarily for the storage and/or consolidation of manufactured goods (and to a lesser extent, raw materials) prior to their distribution to retail

locations or other warehouses. Given that the proposed Project includes an industrial warehouse building totaling 545,735 square feet, it is classified as a high-cube warehouse building.

A typical high-cube warehouse has a high level of on-site automation and logistics management. The automation and logistics enable highly-efficient processing of goods through the high-cube warehouse. High-cube warehouses are generally grouped into five types: transload facility, short-term storage facility, fulfillment center, parcel hub, and cold storage facility. However, the proposed Project, specifically excludes fulfillment center, parcel hub, and cold storage facility as a potential end user of the building. The applicant has indicated that these three uses (fulfillment center, parcel hub, and cold storage facility) are not proposed uses, and the applicant has agreed to conditions on the Project that would prohibit these uses at the Project site.

End users could include light industrial or manufacturing uses. However, there is not a specific end user/business established for the proposed building at this time. There are a variety of possible businesses that could occupy and operate their business from the proposed building. The uses for the proposed building may include any of the following: Manufacturing Warehouse, Light Industrial, High-Cube Short-term, and High-Cube Transload. These uses are allowed under the Industrial/Business Park land use designation and M-2 "Heavy Manufacturing" zoning designation.

Access to the Project site would be provided at two locations: one entrance off Vincent Avenue in the southeastern corner of the site, and another entrance off Vincent Avenue in the northeastern corner of the site. Each of these access points allow for emergency vehicle access. As part of the Project, Vincent Avenue along the Project site's frontage would be improved to its ultimate half-section width, including landscaping and parkway improvements, as required by the City of Irwindale. The improvements would provide continuous sidewalks adjacent to the site that would connect to existing sidewalks within the area. Bicycle parking would also be provided.

The site plan includes 199 standard parking stalls and 181 trailer stalls, which would be provided along the perimeter of the site. The trailer parking stalls would be located along the western and eastern boundaries of the site, while the standard parking stalls would be located along the northern and southern boundaries. Two gates would be provided: one near the northwestern corner of the site, and one near the southwestern corner of the site.

GENERAL PLAN AND ZONING DESIGNATIONS

The Project site is designated as "Industrial/Business Park" and "Residential" by the City's General Plan Land Use Map and is zoned as M-2 "Heavy Manufacturing. The Project applicant is requesting a General Plan Amendment to change the current designation from "Residential" to "Industrial/Business Park" for a 6.93-acre portion of APN 8417-034-016. The Project site is also subject to the Irwindale Commercial & Industrial Design Guidelines.

SURROUNDING LAND USES

Residential uses are located to the east and west of the Project site. Commercial uses are located to the north of the Project site. Land to the south of the Project site would remain undeveloped.

The nearest existing residential receptors are located just to the east of the Project site, beyond Vincent Avenue. The nearest non-residential receptors are located just to the north of the Project site.

SCOPE OF RISK ASSESSMENT

Preparation of risk assessments is a three-step process. The first step is to identify potential contaminants that may lead to public health risks. The second step is to assess the magnitude of contaminants that may reach the public (exposure assessment). The last step is to calculate the magnitude of the health risk as a result of exposure to harmful contaminants on the basis of the toxicology of the contaminants.

The Office of Environmental Health Hazard Assessment and the South Coast Air Quality Management District (SCAQMD) provide guidance on the procedures that should be used, including, toxicological data for individual contaminants. While this risk assessment uses certain procedures and data from these Guidelines, this assessment is not intended to satisfy the reporting requirements under AB-2588 "Air Toxics" Hot Spots program.

The health risks that are evaluated in this study include:

- Residential Cancer Risk (30-year exposure);
- Workplace Cancer Risk (25-year exposure; start at age 16); and
- Acute and Chronic Hazard Indices.

The 30-year risk applies to residential areas where exposure may potentially occur 24 hours/day, 365 days/year. The 25-year risk is applicable to workplace exposure and therefore accounts for a reduced exposure for the fact that individuals typically would be exposed only during working hours. Non-cancer risks can be described as acute (short-term, exposure) or chronic health impacts.

SIGNIFICANCE CRITERIA

The following significance criteria shown in Table 1, based on guidance from the SCAQMD, are used in this report to assess the significance of public health risks.

TABLE 1: THRESHOLDS OF SIGNIFICANCE FOR PUBLIC HEALTH RISKS

Risk Metric	*Significance Threshold*
Residential Cancer Risk	10 per million
Workplace Cancer Risk	10 per million
Chronic and Acute non-cancer hazard Indices	non-cancer health hazard exposure index of 1.0

SOURCE: SCAQMD, 2015.

As shown in Table 1, a project that contributes a cancer risk in excess of 10 new cases in a population of one million persons at identified receptors, or a non-cancer hazard index of greater than or equal to 1.0 would be considered to have a significant project-level impact.

EMISSION SOURCES AND EXPOSURE

The source of toxic air pollutants (TACs) from the proposed Project is diesel particulate matter (DPM) from on-site truck idle and mobile emissions, and off-site mobile emissions. The Project would not operate with trucks that contain Truck Refrigeration Units (TRUs), since the proposed project would not allow for a cold storage warehouse facility (see Mitigation Measure 3.2-1 in Section 3.2: Air Quality of the EIR, for further detail).

Based on numerous studies by the California Air Resources Board (ARB), DPM represents the largest single contributor to public health risks. Additionally, in its comprehensive assessment of diesel exhaust, OEHHA analyzed more than 30 studies of people who worked around diesel equipment, including truck drivers, railroad workers, and equipment operators. The studies showed these workers were more likely to develop lung cancer than workers who were not exposed to diesel emissions. These studies provide strong evidence that long-term occupational exposure to diesel exhaust increases the risk of lung cancer. Exposure to diesel exhaust can have immediate health effects. Diesel exhaust can irritate the eyes, nose, throat, and lungs, and it can cause coughs, headaches, lightheadedness, and nausea. In studies with human volunteers, diesel exhaust particles made people with allergies more susceptible to the materials to which they are allergic, such as dust and pollen. Exposure to diesel exhaust also causes inflammation in the lungs, which may aggravate chronic respiratory symptoms and increase the frequency or intensity of asthma attacks.

CARB identified DPM as a TAC in 1998. Mobile sources (including trucks, buses, automobiles, trains, ships, and farm equipment) are by far the largest source of diesel emissions. The exhaust from diesel engines includes hundreds of different gaseous and particulate components, many of which are toxic. Diesel exhaust is composed of two phases, either gas or particulate; both contribute to the risk. The gas phase is composed of many of the urban HAPs, such as acetaldehyde, acrolein, benzene, 1,3-butadiene, formaldehyde, and polycyclic aromatic hydrocarbons. The particulate phase has many different types that can be classified by size or composition. The sizes of diesel particulates of greatest health concern are fine and ultrafine particles. These particles may be composed of elemental carbon with adsorbed compounds such as organics, sulfates, nitrates, metals, and other trace elements. Diesel exhaust is emitted from a broad range of on- and off-road diesel engines. As the Project would accommodate daily visits from heavy-duty diesel trucks during operations, an analysis of DPM was performed using the USEPA-approved AERMOD model.

The significance thresholds for TAC exposure requires an evaluation of non-cancer risk stated in terms of a hazard index. Non-cancer chronic impacts are calculated by dividing the annual average concentration by the REL for that substance. The potential for acute non-cancer hazards is evaluated by comparing the maximum short-term exposure level to an acute REL. RELs are designed to protect sensitive individuals within the population. The calculation of acute non-

cancer impacts is similar to the procedure for chronic non-cancer impacts. An acute or chronic hazard index of 1.0 is considered individually significant. The hazard index is calculated by dividing the acute or chronic exposure by the reference exposure level.

Vehicle DPM emissions were estimated using emission factors for course particulate matter ~~less than 10 microns in diameter~~ (PM_{10}) generated with the ~~2017~~ 2021 version of the EMission FACtor model (EMFAC) developed by CARB. EMFAC ~~2017~~ 2021 is a mathematical model that was developed to calculate emission rates from motor vehicles that operate on highways, freeways, and local roads in California and is commonly used by CARB to project changes in future emissions from on-road mobile sources. The most recent version of this model, EMFAC ~~2017~~2021, incorporates regional motor vehicle data, information and estimates regarding the distribution of vehicle miles traveled by speed, and number of starts per day. The most important improvement in EMFAC ~~2017~~ 2021 is the integration of the new data and methods to estimate emissions from diesel trucks and buses. The model includes the emissions benefits of the truck and bus rule and the previously adopted rules for other on-road diesel equipment.

For this Project, annual average PM_{10} (idling and mobile) emission factors were generated by running EMFAC ~~2017~~ 2021 for vehicles in the Basin within Los Angeles County, for year 2023.[1] Emission factors were generated for 2-axle, 3-axle, and 4+-axle trucks (T6 CAIRP Class 4, T6 CAIRP Class 7, and T7 Tractor Class 8, respectively), and weighted according to the heavy-duty truck mix as provided in the Project's Traffic Study. EMFAC generates emission factors in terms of grams of pollutant emitted per vehicle activity and can calculate a matrix of emission factors at specific values of vehicle speed, temperature, and relative humidity. ~~-~~The model was run for speeds traveled on and within the vicinity of the Project site. Idling was assumed to occur for a maximum of five minutes per hour, based on the requirement in Mitigation Measure 3.2-1 of the EIR that ensure limits on-site idling to a maximum of five minutes per hour.

Emissions from the following sources of TACs were analyzed and are shown in Table 2:

- Truck on-site mobile emissions
- Truck on-site idling emissions
- Truck off-site mobile emissions

~~[1] With the exception of idling emission rates, which were provided from Tables 3.2-41 and 43 of the *EMFAC2014 Volume III – Technical Documentation Guidebook* (for the sake of a conservative analysis, as this guidebook uses emission factors that were established prior to the most recent improvements in fuel efficiency in California and the United States as a whole, such as the Pavley standards.~~

TABLE 2: EMISSION SOURCE ASSUMPTIONS

Source Type / Emission	Configuration	Assumptions
On-site Mobile Diesel Truck Circulation (DPM) *Modeled as line-volume sources* Configuration = Separated 2W	Plume height = 30 ft Plume width = 30 ft Length = based on path of travel Surface-Based/Elevated = Surface-based	• On-site travel of 580 trucks trips per day; 290 trucks visiting the site per day (Ganddini, 2020). • Traveling distance based on proposed site plan layout. • $PM_{~~1~~0}$ mobile emissions factor provided by EMFAC ~~2017~~2021~~(EMFAC 2014 Parameters: Los Angeles County, Annual, 5 mph, Emission Factor for T7 Heavy-Heavy Duty Diesel trucks)~~
On-site Diesel Truck Idling (DPM) *Modeled as volume sources* Release Height = 6.0 ft	On-site Idle of 290 trucks per day (Ganddini, 2020).	• ~~1~~5 minutes idling per vehicle • Emissions Factors based on EMFAC ~~2014~~2021~~Technical Documentation Guidebook average of summer and winter high idle emissions rates~~
Off-site Mobile Diesel Truck Travel (DPM) *Modeled as line-volume sources* Configuration = Separated 2W	Plume height = 30 ft Plume width = 30 ft Length = based on path of travel Surface-Based/Elevated = Surface-based	• On-site travel of 580 trucks trips per day; 290 trucks visiting the site per day (Ganddini, 2020); broken down based on trip distribution provided by the Project Traffic Impact Analysis (Ganddini, 2020). • Traveling distance based on proposed site plan layout. • $PM_{~~1~~0}$ mobile emissions factor provided by EMFAC ~~2017~~2021~~(EMFAC 2017 Parameters: Los Angeles County, Annual, 35 mph, Emission Factor for T7 Heavy-Heavy Duty Diesel trucks)~~

DAILY TRUCK TRIPS

The total diesel truck trips generated by the proposed Project is based on a Traffic Impact Analysis for the proposed Project prepared by Ganddini (2020). A highly conservative estimate of 580 truck trips per day was used, which is based on the 'light industrial' land use provided by the Institute of Transportation Engineers (ITE) Trip Generation Manual (10th Edition, 2017).

EMISSION RATES

Table 3 provides emission factors and the resultant emissions. For calculations, data outputs, and reference documents please see Appendices 1 and 2 of this HRA.

TABLE 3: EMISSION RATES BY SOURCE

Source	Pollutant	Volume/Size	Emission Factor	Emissions (lbs/yr)
On-site Diesel Truck (Mobile) Circulation	Diesel Particulate Matter (DPM)	290 trucks per day traveling 0.4 miles	0.013593319 ~~0.012450207~~ g/mile	1.268849432~~1.162147235~~
On-site Diesel Truck Idling	Diesel Particulate Matter (DPM)	290 trucks per day idling ~~1~~5 minutes	0.018414306 ~~0.0035~~ g/hr - vehicle	0.358095383~~0.204189149~~
Off-site Diesel Truck (Mobile) Travel	Diesel Particulate Matter (DPM)	290 trucks per day, distributed based on the trip distribution as provided within the Traffic Study	0.005260984 ~~0.009284707~~ g/mile	2.312392868~~2.816671267~~

SOURCES: EMFAC~~2014~~2021 (v.1.01)~~(ON-SITE DIESEL TRUCK CIRCULATION); TABLES 3.2-41 AND 42, OF THE EMFAC2014 VOLUME III—TECHNICAL DOCUMENTATION GUIDEBOOK ON IDLING EMISSIONS; EMFAC 2017 WEB DATABASE (V.1.0.2)~~; GANDDINI, 2020.
SEE TABLE 2 OF THIS DOCUMENT AND APPENDIX 1 FOR FURTHER DETAIL.
NOTES: LBS = POUNDS; YR = YEAR; G = GRAMS; HP = HORSEPOWER

EXPOSURE ASSESSMENT

Exposure assessment involves translating the emission rate (e.g., lbs/hr, g/hr) of individual toxic air contaminants into the concentration (e.g., grams/cubic meter g /sec m^2 or parts per million) of each toxic air contaminant. The key step in performing an exposure assessment is the application of an air dispersion model. The dispersion model incorporates the local meteorological data (wind speed, wind direction, local temperature, inversions, etc.), stack height, exhaust flow characteristics, and other features such as terrain and building downwash into the dispersion of individual air contaminant. The Lakes Environmental AERMOD Version 9.9.~~0~~5 (AERMOD Version 19191) dispersion model was employed for this assessment.

AERMOD is a steady-state, multiple-source, Gaussian dispersion model designed for use with emission sources situated in terrain where ground elevations can exceed the stack heights of the emission sources (not a factor in this case). AERMOD requires hourly meteorological data consisting of wind vector, wind speed, temperature, stability class, and mixing height. Surface and upper air meteorological data provided by the SCAQMD for Azusa Meteorological Station was selected as being the most representative meteorology based on proximity to the Project site as well as being within the same SCAQMD source receptor area (SRA). The SCAQMD divides the Basin into 38 SRAs to forecast and report air quality. Both the Project site and the Azusa Meteorological Station are located in SCAQMD SRA 9, known as the East San Gabriel Valley.

Emissions sources in the model include two area sources to represent the loading docks located at sixteen different locations on the Project site. Additionally, emissions sources in the model include a volume line source (comprised of 61 volume sources) representing the onsite truck

circulation at the Project site. Further, there are three volume line sources representing off-site truck circulation into and out of the project site (and travelling along neighboring roadways). One volume line source (comprised of 60 volume sources) represents the offsite truck circulation extending approximately 0.7 miles to the south of the Project site along Vincent Avenue; another volume line source (comprised of 70 volume sources) represents offsite truck circulation extending approximately 0.8 miles north of the Project site along Vincent Avenue and then west of the Project site along Arrow Highway; and the third offsite volume line source (comprised of 45 volume sources) represents offsite truck circulation extending approximately 0.5 miles to the north of the Project site along Vincent Avenue. The separated line 2W volume source was employed consistent with the recommendations of the California Air Pollution Control Officers Association (CAPCOA) Health Risk Assessments for Proposed Land Use Projects (2009) document (page 54), which provides guidance for modeling roads/line sources in AERMOD. This guidance is necessary since AERMOD does not have a pollutant source option directly specific to mobile sources. According to CAPCOA, the best method for modeling emissions from travelling truck vehicles in AERMOD is to use a series of multiple volume sources. 2W volume sources involves a series of volume sources to approximate a line source. Using the width of the road as the length of the side of a single volume source, the number of volume sources along the length of the road is determined by dividing the length of the road by 2W. The number of volume sources is then determined in order to replicate a mobile source of pollutants traveling a roadway within the AERMOD software. This methodology is consistent with the USEPA AERMOD User's Guide. AERMOD can be used to predict the concentrations of pollutants emitted from vehicles on roads.

Regulatory Defaults: AERMOD was executed with the U.S. EPA regulatory default option, which is required by SCAQMD.

Urban Dispersion Option: AERMOD was executed using the urban modeling option, which is SCAQMD policy for all air quality impact analyses in its jurisdiction. All sources were modeled with urban effects using the population of Los Angeles County (population: 9,818,605).

Building Downwash: The Project site building and neighboring commercial buildings were included in AERMOD. However, BPIP/BPIP-Prime could not be modeled for the proposed Project, since there are no point/flair sources as part of the Project.

Modeling Receptor Grid: A rectangular (x-y) coordinate system was used. A region located within 500 meters of the Project site boundaries was used with receptor spacing of 50 meters. A grid of receptors at 75 meters apart were also placed around the Project site (i.e. fenceline) boundary. Additional receptors were added at all of the nearest sensitive receptors surrounding the Project site. Additional sensitive receptors were placed along nearby roadways and in-between receptors, to allow for analysis throughout the modelling extent and to allow for a visual representation of dispersion contours. Receptors were added in accordance with the scope and size of the Project site.

Meteorological Data: Five years of meteorological data was used in the exposure assessment. The meteorological ("Met) data (wind speed, wind direction, temperature, etc.) were recorded at

the SCAQMD's Azusa location, for the period January 1, 2012 to December 31, 2016. This location was chosen because it was the closest meteorological site to the Project site, and because weather characteristics in Irwindale were determined to be similar at this location. Overall wind patterns are based on the five years of hourly wind data. Winds are predominant from the west. Calm winds occur only 0.17% of the time (See Appendix 2 for wind rose).

Terrain: The AERMAP terrain data pre-processor was used to generate terrain data from the United States Geological Survey (USGS). The National Elevation Dataset (NED) data in GeoTIFF format was used to develop terrain data.

RISK ASSESSMENT

Once the emissions rates of individual air contaminants has been calculated, and an air dispersion model has been run through AERMOD, the next step in determining health risks is to determine the cancer risk, and acute and chronic incident rates. The Hotspots Analysis and Reporting Program (HARP) is a software suite used to assist with the programmatic requirements of the Air Toxics "Hot Spots" Program [Assembly Bill (AB) 2588]. HARP combines the tools needed to implement the requirements of AB 2588, such as reporting a facilities emissions inventory, determining a facilities prioritization score, conducting air dispersion modeling, and performing a facility health risk assessment. This study utilized the HARP2 Air Dispersion and Risk Tool with dispersion plot files created in AERMOD. Period and 1-hour dispersion files we used in combination with HARP-2 risk modelling software to calculate risk scenarios for residential, and workplace cancer rates, as well as acute and chronic incidences. After the risk assessment was complete HARP-2, plot files were then imported back into AREMOD for spatial and visual representation, and analysis of impact areas.

The Intake Rate Percentile sets the intake rate at which a person is exposed to the air pollutant. This study utilized the ~~"95th Percentile (High End)~~OEHHA Derived Method' intake rate percentile to assess risk each scenario, ~~to provide a conservative estimate of Project health risks~~per OEHHA guidance. Additionally, the '~~SCAQMD m~~Mandatory minimum pathways' were selected for pathways to evaluate.

RISK ASSESSMENT RESULTS

The results of the risk analysis indicate that cancer risks vary depending on the exposure scenario (residential or worker) and on location. In general, locations nearest the Project site have the greatest exposure and the associated risks are considerably lower as distance from the Project site increases. Table 4 displays the residential and workplace cancer risk, and acute and chronic

incidence rate results at nearest receptors. Figures 1 through 3 display a spatial representation of the associated risk by selected risk scenarios.

TABLE 4: SUMMARY OF MAXIMUM HEALTH RISKS

Risk Metric	Maximum Risk (per million persons)	Significance Threshold	Is Threshold Exceeded?
Residential Cancer Risk (30-year exposure)[1]	~~3.73~~4.24	10 per million	No
Workplace Cancer Risk (25-year exposure)[2]	0.~~26~~23	10 per million	No
Chronic (non-cancer)	<0.01	Hazard Index ≥1	No
Acute (non-cancer)[3]	0	Hazard Index ≥1	No

SOURCES: AERMOD 9.9.~~0~~5 (v.19191) (LAKES ENVIRONMENTAL SOFTWARE, ~~2020~~2021); AND HARP-2 AIR DISPERSION AND RISK TOOL

NOTES: [1]THE MAXIMUM RESIDENTIAL CANCER RISK WOULD BE FOR A RESIDENCE LOCATED APPROXIMATELY 75 FEET TO THE EAST OF THE PROJECT SITE. THE INCREMENTAL RESIDENTIAL CANCER RISK (30-YEAR EXPOSURE) AT THIS LOCATION IS AS PROVIDED WITHIN THIS TABLE.[2]THE VALUE PROVIDED FOR MAXIMUM WORKPLACE CANCER RISK IS THE MAXIMUM VALUE PROVIDED AT THE NEAREST WORKPLACE LOCATION, LOCATED APPROXIMATELY 5 FEET TO THE NORTH OF THE PROJECT SITE. [3]ACUTE (NON-CANCER) RISKS WERE NOT ESTIMATED, SINCE DPM DOES NOT HAVE SHORT-TERM TOXICITY VALUES.

The primary sources of TAC emissions from the Project result from the on-site and off-site truck travel. Idling of the trucks on-site generated the least emissions.

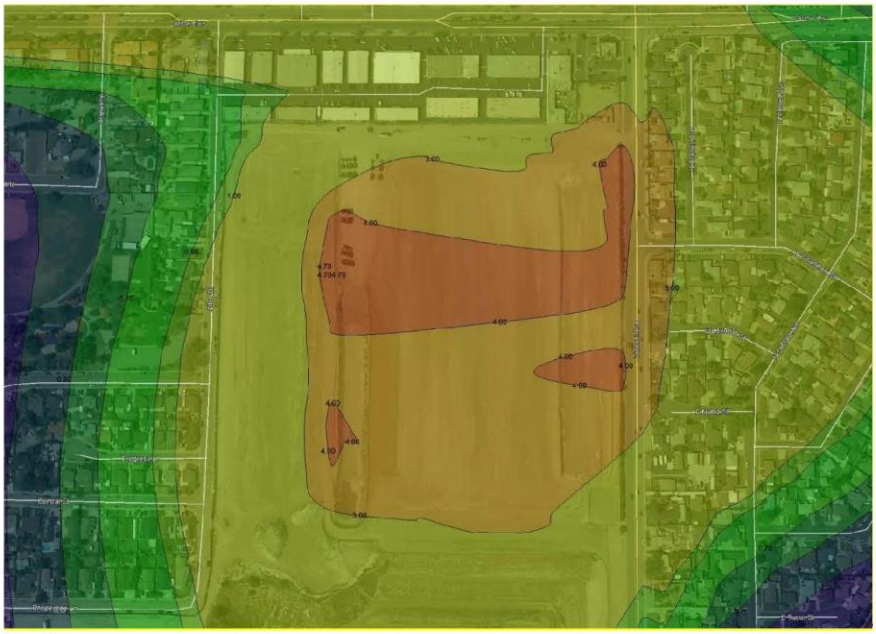
Variation of risk at all locations for residential cancer risk is shown in Figure 1. It should be noted that the nearest residential receptor, located at approximately 75 feet east of the Project site (east of Vincent Avenue and north of East Chadmont Street), would experience the highest maximum 30-year cancer risk (approximately ~~3.73~~4.24 per million). It should be noted that this value is conservative, since the emission factors utilized for the purposes of modeling do not account for the reduction in emissions rates that is likely to occur over the course of the next 30 years. Overall, the results show that residential 30-year cancer risk would remain below 10 in a million at areas near the Project site that contain residential receptors. Furthermore, it is very unlikely any individual would remain at the same location for 30 years; therefore, this result represents a conservative estimate.

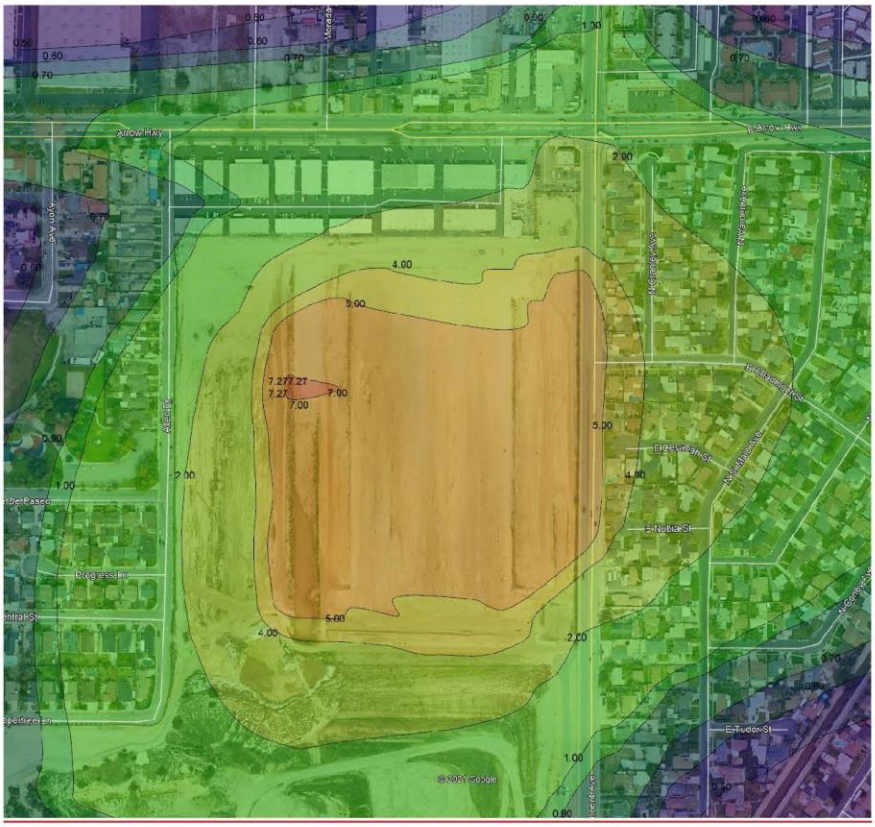
Variation of risk at all locations for workplace cancer is shown in Figure 2. Overall, the results show that 25-year workplace cancer risk using the "~~95th Percentile~~OEHHA Derived Method" method would remain below 10 in a million threshold. The nearest workplace receptor is located just to the north of the Project site, which would experience a workplace cancer risk of 0.~~26~~23 in a million. This maximum risk level represents the worst-case scenario for 25-year workplace cancer risk.

Variation of risk at all locations for chronic exposure to DPM is shown in Figure 3. Chronic or long-term exposure DPM can result is non-cancer health effects. Chronic non-cancer hazard

results show that chronic risk on and near the Project site would remain below the hazard index of ≥1, with a maximum value of approximately less than 0.01. Acute non-cancer health effects were not provided by the modeling, since DPM does not have short-term toxicity values.

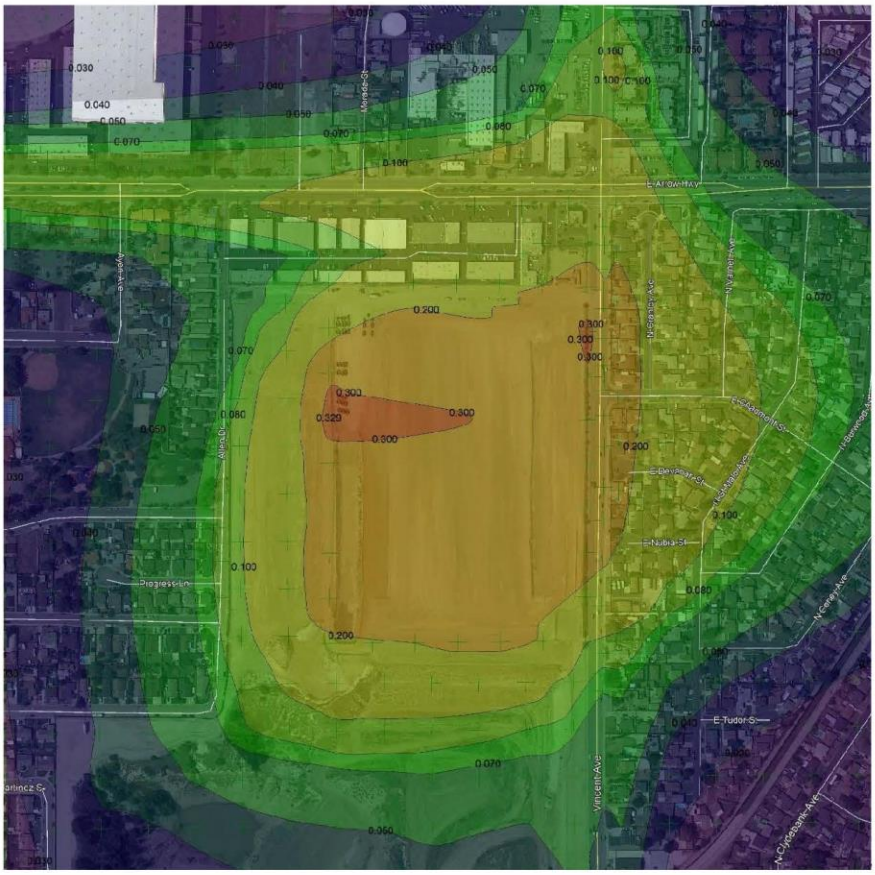
FIGURE-1: PROJECT-GENERATED MAXIMUM RESIDENTIAL CANCER RISK PER MILLION PERSONS (30-YEAR) – ~~95TH PERCENTILE~~OEHHA METHOD

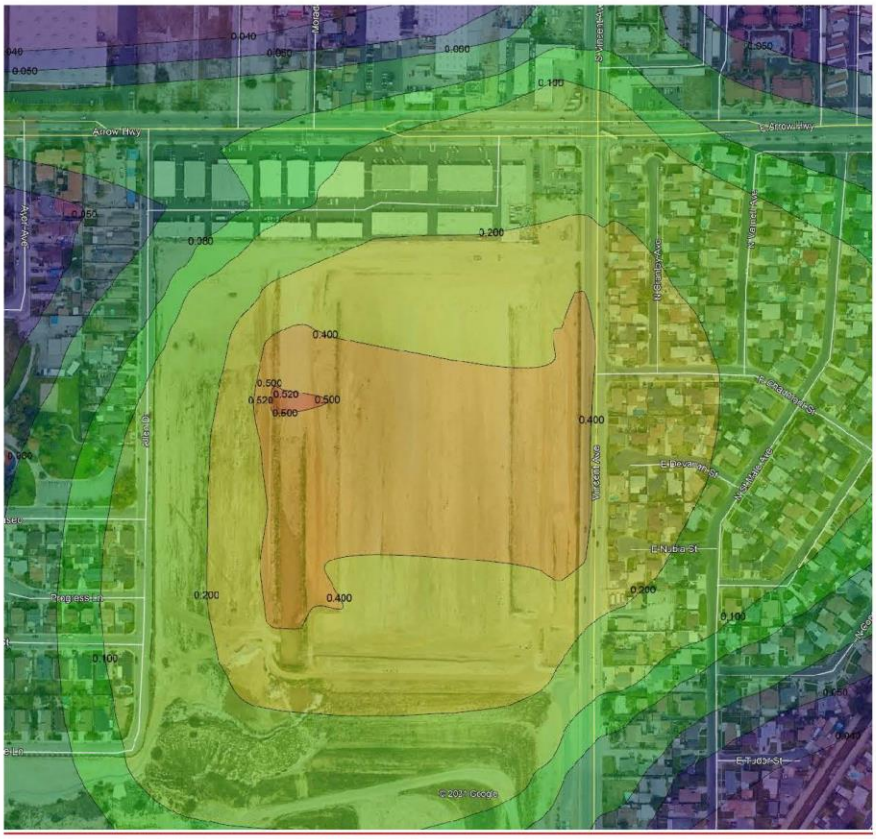




Sources: Prepared by De Novo Planning Group (~~2020~~2021); Lakes Environmental AERMOD View (v. 19191); HARP-2 Air Dispersion and Risk Tool (dated 19121); Google Earth.

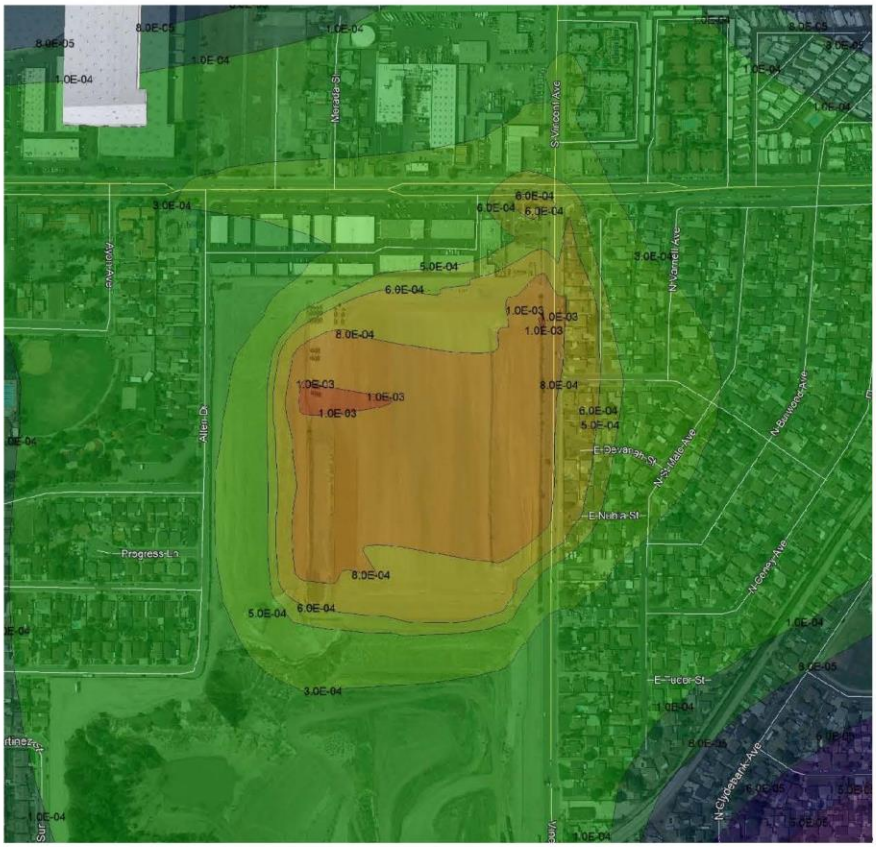
FIGURE-2: PROJECT-GENERATED MAXIMUM WORKPLACE CANCER RISK (25-YEAR) – ~~95TH PERCENTILE~~ OEHHA METHOD

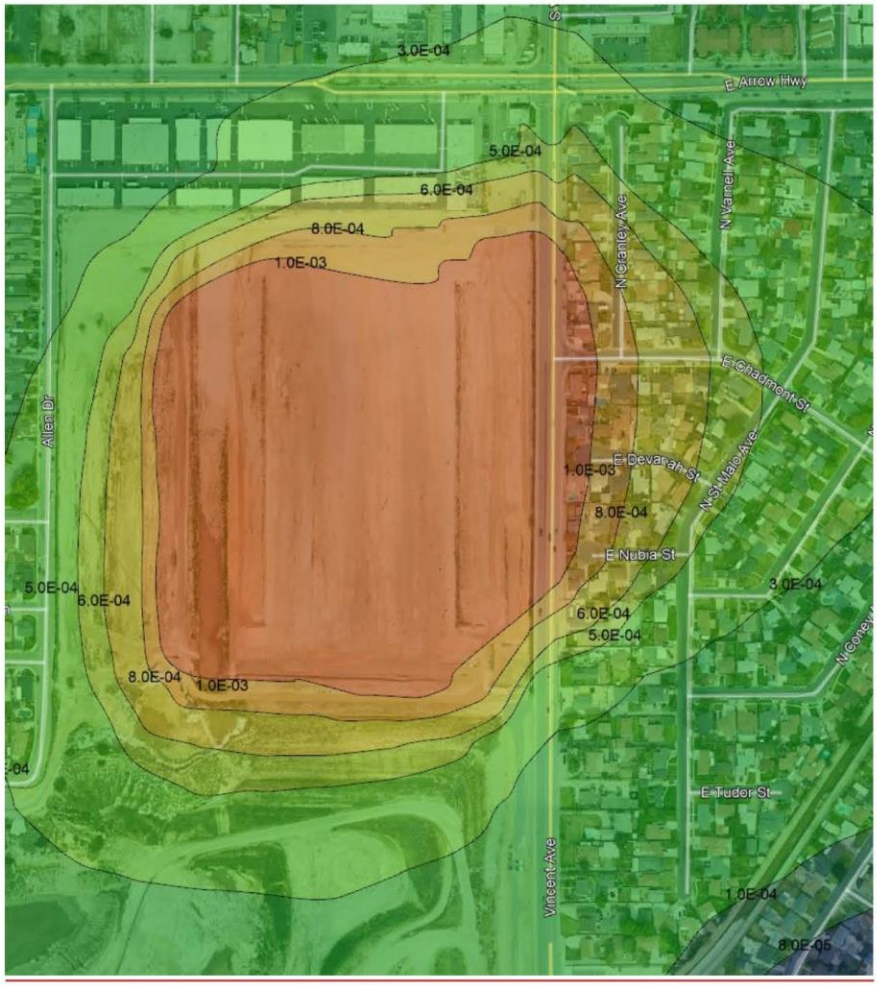

0.030
0.040
0.050
0.070
0.080
0.100
0.200
0.300
0.320
E Arrow Hwy
Merced St
Alaska St
Progress Ln
Nubia St
E Tudor St
Vincent Ave
N Citrus Ave
N Grand Ave



Sources: Prepared by De Novo Planning Group (~~2020~~2021); Lakes Environmental AERMOD View (v. 19191); HARP-2 Air Dispersion and Risk Tool (dated 19121); Google Earth.

FIGURE-3: PROJECT-GENERATED CHRONIC MAXIMUM RISK (LONG-TERM EXPOSURE; HAZARD INDEX)


8.0E-05
1.0E-04
Merlada St
S Vincent Ave
6.0E-04
3.0E-04
5.0E-04
N Vanell Ave
1.0E-03
8.0E-04
Allen Dr
N Bamford Ave
E Devonshire St
N Shade Ave
E Nuna St
Progress Ln
N Corey Ave
5.0E-04
E Tucker St
N Cypress Ave



Sources: Prepared by De Novo Planning Group (~~2020~~2021); Lakes Environmental AERMOD View (v. 19191); HARP-2 Air Dispersion and Risk Tool (dated 19121); Google Earth.

CUMULATIVE RISKS

It is worth noting that the SCAQMD has conducted an in-depth analysis of TACs and their resulting health risks for all of Southern California. This study, the Multiple Air Toxics Exposure Study in the South Coast Air Basin, MATES IV," shows that cancer risk has decreased more than 50 percent between MATES III (2008) and MATES IV (2015).

MATES-IV is the most comprehensive dataset documenting the ambient air toxic levels and health risks associated with the Basin emissions. Therefore, MATES-IV study represents the baseline health risk for a cumulative analysis. MATES-IV estimates the average excess cancer risk level from exposure to TACs is less than 400 in one million basin-wide. These model estimates were based on monitoring data collected at 10 fixed sites within the Basin. None of the fixed monitoring sites are within the local area of the Project site. However, MATES-IV has extrapolated the excess cancer risk levels throughout the basin by modeling the specific grids. According to the latest online MATES-IV Carcinogenic Risk Interactive Map, MATES-IV modeling predicted an excess cancer risk of 1,067.39 in one million for the grid that contains the Project site. DPM is included in this cancer risk along with all other TAC sources. DPM accounts for 68 percent of the total risk shown in MATES-IV. The proposed Project would incrementally increase this risk to those living and working in the immediate vicinity of the proposed Project, as well as those in the surrounding environs, up to the maximum risks as disclosed in Table 4 (previous).

REPORT PREPARERS

This document was prepared by De Novo Planning Group, Inc. of El Dorado Hills under the direction of the City of Irwindale. De Novo Planning Group staff participating in document preparation included the following:

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Appendix 1: Emissions Rates and Emission Calculations

calendar_year	season_month	sub_area	vehicle_class	fuel	temperature	relative_humidity	process	speed_time	pollutant	emission_rate
2023	Annual	Los Angeles (SC)	T7 Tractor Class 8	Dsl			IDLEX		PM	0.011861348
2023	Annual	Los Angeles (SC)	T6 CARP Class 7	Dsl			IDLEX		PM	0.007344232
2023	Annual	Los Angeles (SC)	T6 CARP Class 4	Dsl			IDLEX		PM	0.031592605
2023	Annual	Los Angeles (SC)	T7 Tractor Class 8	Dsl	66	50	RUNEX	35	PM	0.007200033
2023	Annual	Los Angeles (SC)	T7 Tractor Class 8	Dsl	66	50	RUNEX	5	PM	0.01001281
2023	Annual	Los Angeles (SC)	T6 CARP Class 7	Dsl	66	50	RUNEX	35	PM	0.001903839
2023	Annual	Los Angeles (SC)	T6 CARP Class 7	Dsl	66	50	RUNEX	5	PM	0.004399353
2023	Annual	Los Angeles (SC)	T6 CARP Class 4	Dsl	66	50	RUNEX	35	PM	0.004595216
2023	Annual	Los Angeles (SC)	T6 CARP Class 4	Dsl	66	50	RUNEX	5	PM	0.02232723

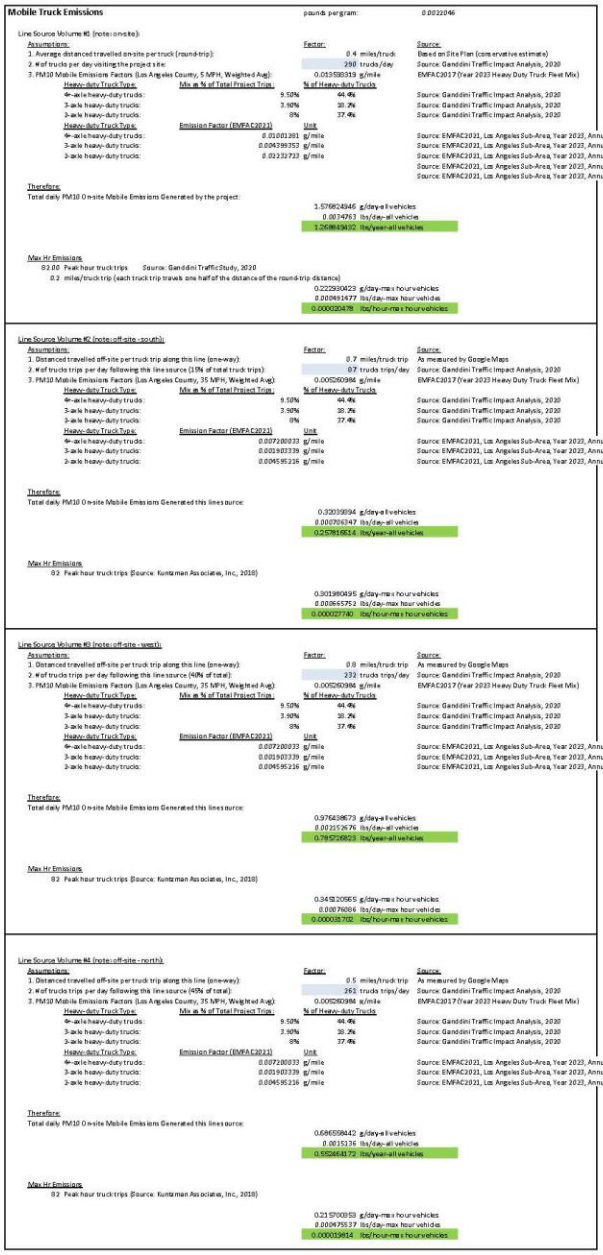
Truck Idling Emission Rates

pounds per gram: 0.002205

Heavy-duty Truck Type:	Mix as % of Total Project Trips:	% of Heavy-duty Trucks	
4+-axle heavy-duty trucks:	9.50%	**44.4%**	Source: Ganddini Traffic Impact Analysis, 2020
3-axle heavy-duty trucks:	3.90%	**18.2%**	Source: Ganddini Traffic Impact Analysis, 2020
2-axle heavy-duty trucks:	8%	**37.4%**	Source: Ganddini Traffic Impact Analysis, 2020

Heavy-duty Truck Type:	Emission Factor (EMFAC2021)	Unit	
4+-axle heavy-duty trucks:	**0.011861348**	g/hr-truck	Source: EMFAC2021, Los Angeles Sub-Area, Year 2023, Annual, Temp 66F, Humidity 50, T7 Tractor Class 8
3-axle heavy-duty trucks:	**0.007344232**	g/hr-truck	Source: EMFAC2021, Los Angeles Sub-Area, Year 2023, Annual, Temp 66F, Humidity 50, T6 OBRP Class 7
2-axle heavy-duty trucks:	**0.031592605**	g/hr-truck	Source: EMFAC2021, Los Angeles Sub-Area, Year 2023, Annual, Temp 66F, Humidity 50, T6 OBRP Class 4
Weighted Avg			
	0.018414306	g/hr-truck	

	0.001534526	g/15 minutes-truck	Note: assuming 15 minutes of idling per truck (conservative estimate)
	0.001534526	g/day-truck	
	24	hours in day	
	290	# of trucks	Source: Ganddini Traffic Impact Analysis, 2020
Therefore:	0.445012402	g/day-all trucks	
	162.4295268	g/year-all trucks	
	0.358095383	lbs/year-all trucks	
Therefore:	0.018542183	g/hr-all trucks	
	0.000309036	g/min-all trucks	
	5.15061E-06	g/sec-all trucks	
	82	Max Hour truck trips	Source: Ganddini Traffic Impact Analysis, 2020
	0.125831093	g/15 minutes-max hour vehicles	
	0.0002774	lbs/15 minutes-max hour vehicles	
Annual Emissions:	**0.022380961**	lbs/year-all trucks for each of the	**16** idling points
Max Hr Emissions:	**0.00001734**	lbs/hour-all trucks for each of the	**16** idling points



Mobile Truck Emissions pounds per gram: 0.0022046

Line Source Volume #1 (note: on-site):

Assumptions:		Factor:		Source:
1. Average distanced travelled on-site per truck (round-trip):		0.4	miles/truck	Based on Site Plan (conservative estimate)
2. # of trucks per day visiting the project site:		290	trucks/day	Source: Ganddini Traffic Impact Analysis, 2020
3. PM10 Mobile Emissions Factors (Los Angeles County, 5 MPH, Weighted Avg):		0.013593313	g/mile	EMFAC2017 (Year 2023 Heavy Duty Truck Fleet Mix)
Heavy-duty Truck Type:	Mix as % of Total Project Trips:	% of Heavy-duty Trucks		
4+-axle heavy-duty trucks:	9.50%	44.4%		Source: Ganddini Traffic Impact Analysis, 2020
3-axle heavy-duty trucks:	3.90%	18.2%		Source: Ganddini Traffic Impact Analysis, 2020
2-axle heavy-duty trucks:	8%	37.4%		Source: Ganddini Traffic Impact Analysis, 2020
Heavy-duty Truck Type:	Emission Factor (EMFAC2021)	Unit		
4+-axle heavy-duty trucks:	0.01001281	g/mile		Source: EMFAC2021, Los Angeles Sub-Area, Year 2023, Annual, Temp 66F, Humidity 50, T7 Tractor Class 8
3-axle heavy-duty trucks:	0.004289353	g/mile		Source: EMFAC2021, Los Angeles Sub-Area, Year 2023, Annual, Temp 66F, Humidity 50, T6 CARP Class 7
2-axle heavy-duty trucks:	0.02332723	g/mile		Source: EMFAC2021, Los Angeles Sub-Area, Year 2023, Annual, Temp 66F, Humidity 50, T7 Tractor Class 8
				Source: EMFAC2021, Los Angeles Sub-Area, Year 2023, Annual, Temp 66F, Humidity 50, T6 CARP Class 7
				Source: EMFAC2021, Los Angeles Sub-Area, Year 2023, Annual, Temp 66F, Humidity 50, T6 CARP Class 4

Therefore:
Total daily PM10 On-site Mobile Emissions Generated by the project:

1.576824946 g/day-all vehicles
0.0034763 lbs/day-all vehicles
1.268849492 lbs/year-all vehicles

Max Hr Emissions
82.00 Peak hour truck trips Source: Ganddini TrafficStudy, 2020
0.2 miles/truck trip (each truck trip travels one half of the distance of the round-trip distance)

0.222890423 g/day-max hour vehicles
0.000491477 lbs/day-max hour vehicles
0.000020478 lbs/hour-max hour vehicles

Line Source Volume #2 (note: off-site - south):

Assumptions:		Factor:		Source:
1. Distanced travelled off-site per truck trip along this line (one-way):		0.7	miles/truck trip	As measured by Google Maps
2. # of trucks trips per day following this line source (13% of total truck trips):		67	trucks trips/day	Source: Ganddini Traffic Impact Analysis, 2020
3. PM10 Mobile Emissions Factors (Los Angeles County, 35 MPH, Weighted Avg):		0.005260984	g/mile	EMFAC2017 (Year 2023 Heavy Duty Truck Fleet Mix)
Heavy-duty Truck Type:	Mix as % of Total Project Trips:	% of Heavy-duty Trucks		
4+-axle heavy-duty trucks:	9.50%	44.4%		Source: Ganddini Traffic Impact Analysis, 2020
3-axle heavy-duty trucks:	3.90%	18.2%		Source: Ganddini Traffic Impact Analysis, 2020
2-axle heavy-duty trucks:	8%	37.4%		Source: Ganddini Traffic Impact Analysis, 2020
Heavy-duty Truck Type:	Emission Factor (EMFAC2021)	Unit		
4+-axle heavy-duty trucks:	0.007280033	g/mile		Source: EMFAC2021, Los Angeles Sub-Area, Year 2023, Annual, Temp 66F, Humidity 50, T7 Tractor Class 8
3-axle heavy-duty trucks:	0.001903339	g/mile		Source: EMFAC2021, Los Angeles Sub-Area, Year 2023, Annual, Temp 66F, Humidity 50, T6 CARP Class 7
2-axle heavy-duty trucks:	0.004595216	g/mile		Source: EMFAC2021, Los Angeles Sub-Area, Year 2023, Annual, Temp 66F, Humidity 50, T6 CARP Class 4

Therefore:
Total daily PM10 On-site Mobile Emissions Generated this line source:

0.33039094 g/day-all vehicles
0.000728347 lbs/day-all vehicles
0.257816514 lbs/year-all vehicles

Max Hr Emissions
82 Peak hour truck trips (Source: Kunzman Associates, Inc, 2018)

0.301980495 g/day-max hour vehicles
0.000665752 lbs/day-max hour vehicles
0.000027740 lbs/hour-max hour vehicles

Line Source Volume #3 (note: off-site - west):

Assumptions:		Factor:		Source:
1. Distanced travelled off-site per truck trip along this line (one-way):		0.8	miles/truck trip	As measured by Google Maps
2. # of trucks trips per day following this line source (40% of total):		232	trucks trips/day	Source: Ganddini Traffic Impact Analysis, 2020
3. PM10 Mobile Emissions Factors (Los Angeles County, 35 MPH, Weighted Avg):		0.005260984	g/mile	EMFAC2017 (Year 2023 Heavy Duty Truck Fleet Mix)
Heavy-duty Truck Type:	Mix as % of Total Project Trips:	% of Heavy-duty Trucks		
4+-axle heavy-duty trucks:	9.50%	44.4%		Source: Ganddini Traffic Impact Analysis, 2020
3-axle heavy-duty trucks:	3.90%	18.2%		Source: Ganddini Traffic Impact Analysis, 2020
2-axle heavy-duty trucks:	8%	37.4%		Source: Ganddini Traffic Impact Analysis, 2020
Heavy-duty Truck Type:	Emission Factor (EMFAC2021)	Unit		
4+-axle heavy-duty trucks:	0.007280033	g/mile		Source: EMFAC2021, Los Angeles Sub-Area, Year 2023, Annual, Temp 66F, Humidity 50, T7 Tractor Class 8
3-axle heavy-duty trucks:	0.001903339	g/mile		Source: EMFAC2021, Los Angeles Sub-Area, Year 2023, Annual, Temp 66F, Humidity 50, T6 CARP Class 7
2-axle heavy-duty trucks:	0.004595216	g/mile		Source: EMFAC2021, Los Angeles Sub-Area, Year 2023, Annual, Temp 66F, Humidity 50, T6 CARP Class 4

Therefore:
Total daily PM10 On-site Mobile Emissions Generated this line source:

0.976498673 g/day-all vehicles
0.002152676 lbs/day-all vehicles
0.785726823 lbs/year-all vehicles

Max Hr Emissions
82 Peak hour truck trips (Source: Kunzman Associates, Inc, 2018)

0.891320565 g/day-max hour vehicles
0.001965006 lbs/day-max hour vehicles
0.000081792 lbs/hour-max hour vehicles

Line Source Volume #4 (note: off-site - north):

Assumptions:		Factor:		Source:
1. Distanced travelled off-site per truck trip along this line (one-way):		0.5	miles/truck trip	As measured by Google Maps
2. # of trucks trips per day following this line source (40% of total):		261	trucks trips/day	Source: Ganddini Traffic Impact Analysis, 2020
3. PM10 Mobile Emissions Factors (Los Angeles County, 35 MPH, Weighted Avg):		0.005260984	g/mile	EMFAC2017 (Year 2023 Heavy Duty Truck Fleet Mix)
Heavy-duty Truck Type:	Mix as % of Total Project Trips:	% of Heavy-duty Trucks		
4+-axle heavy-duty trucks:	9.50%	44.4%		Source: Ganddini Traffic Impact Analysis, 2020
3-axle heavy-duty trucks:	3.90%	18.2%		Source: Ganddini Traffic Impact Analysis, 2020
2-axle heavy-duty trucks:	8%	37.4%		Source: Ganddini Traffic Impact Analysis, 2020
Heavy-duty Truck Type:	Emission Factor (EMFAC2021)	Unit		
4+-axle heavy-duty trucks:	0.007280033	g/mile		Source: EMFAC2021, Los Angeles Sub-Area, Year 2023, Annual, Temp 66F, Humidity 50, T7 Tractor Class 8
3-axle heavy-duty trucks:	0.001903339	g/mile		Source: EMFAC2021, Los Angeles Sub-Area, Year 2023, Annual, Temp 66F, Humidity 50, T6 CARP Class 7
2-axle heavy-duty trucks:	0.004595216	g/mile		Source: EMFAC2021, Los Angeles Sub-Area, Year 2023, Annual, Temp 66F, Humidity 50, T6 CARP Class 4

Therefore:
Total daily PM10 On-site Mobile Emissions Generated this line source:

0.686559442 g/day-all vehicles
0.0015136 lbs/day-all vehicles
0.552464172 lbs/year-all vehicles

Max Hr Emissions
82 Peak hour truck trips (Source: Kunzman Associates, Inc, 2018)

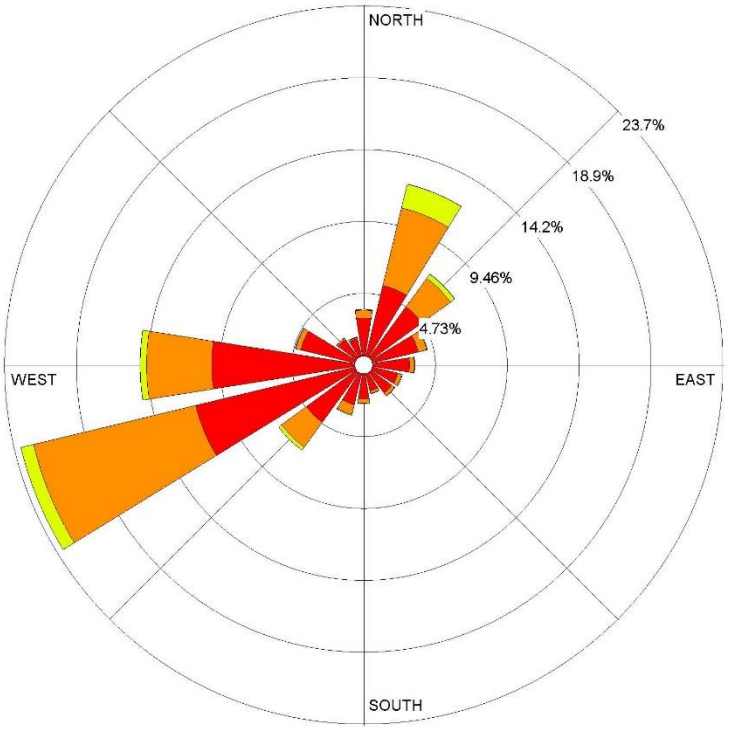
0.215700353 g/day-max hour vehicles
0.000475537 lbs/day-max hour vehicles
0.000019814 lbs/hour-max hour vehicles

2.312292668

Appendix 2: Wind Rose

WIND ROSE PLOT:
Station #3179

DISPLAY:
Wind Speed
Direction (blowing from)



COMMENTS:	DATA PERIOD:	COMPANY NAME:	
	Start Date: 1/1/2012 - 00:00 **End Date: 12/31/2016 - 23:59**	**South Coast Air Quality Management District**	
		MODELER: **Melissa Sheffer**	
	CALM WINDS: **0.17%**	TOTAL COUNT: **42845 hrs.**	
	AVG. WIND SPEED: **1.70 m/s**	DATE: **5/25/2017**	PROJECT NO.:

WRPLOT View - Lakes Environmental Software

Appendix 3: AERMOD Output File

```
** Lakes Environmental AERMOD MPI
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.9.5
** Lakes Environmental Software Inc.
** Date: 5/24/2021
** File: C:\Users\Smith\Dropbox\My PC (DESKTOP-977GSBU)\Documents\HRA\Irwindale\AERMOD\Irwindale (Take
4)\Irwindale (Take 4).ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
  TITLEONE C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc
  MODELOPT DFAULT CONC
  AVERTIME 1 PERIOD
  URBANOPT 9818605
  POLLUTID OTHER
  RUNORNOT RUN
  ERRORFIL "Irwindale (Take 4).err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources (2W)
** LINE VOLUME Source ID = SLINE1
** DESCRSRC On-Site Truck Circulation
** PREFIX
** Length of Side = 9.14
** Configuration = Separated 2W
** Emission Rate = 1.0
** Vertical Dimension = 9.14
** SZINIT = 4.25
** Nodes = 5
** 414636.238, 3774277.372, 144.14, 3.05, 8.51
** 414385.711, 3774279.322, 143.56, 3.05, 8.51
** 414381.812, 3773951.785, 137.85, 3.05, 8.51
** 414582.623, 3773951.785, 131.65, 3.05, 8.51
** 414586.523, 3774277.372, 143.00, 3.05, 8.51
** ------------------------------------------------------------------
  LOCATION L0008169     VOLUME   414631.666 3774277.408 144.17
  LOCATION L0008170     VOLUME   414613.379 3774277.550 142.38
```

LOCATION	L0008171	VOLUME	414595.091	3774277.692 143.22
LOCATION	L0008172	VOLUME	414576.804	3774277.835 143.59
LOCATION	L0008173	VOLUME	414558.517	3774277.977 143.72
LOCATION	L0008174	VOLUME	414540.229	3774278.119 143.72
LOCATION	L0008175	VOLUME	414521.942	3774278.262 143.75
LOCATION	L0008176	VOLUME	414503.654	3774278.404 143.70
LOCATION	L0008177	VOLUME	414485.367	3774278.546 143.65
LOCATION	L0008178	VOLUME	414467.079	3774278.689 143.76
LOCATION	L0008179	VOLUME	414448.792	3774278.831 143.59
LOCATION	L0008180	VOLUME	414430.504	3774278.973 143.59
LOCATION	L0008181	VOLUME	414412.217	3774279.116 143.58
LOCATION	L0008182	VOLUME	414393.930	3774279.258 143.62
LOCATION	L0008183	VOLUME	414385.591	3774269.253 143.55
LOCATION	L0008184	VOLUME	414385.374	3774250.966 145.50
LOCATION	L0008185	VOLUME	414385.156	3774232.680 145.83
LOCATION	L0008186	VOLUME	414384.938	3774214.393 145.99
LOCATION	L0008187	VOLUME	414384.721	3774196.106 143.03
LOCATION	L0008188	VOLUME	414384.503	3774177.820 142.41
LOCATION	L0008189	VOLUME	414384.285	3774159.533 141.41
LOCATION	L0008190	VOLUME	414384.067	3774141.246 135.00
LOCATION	L0008191	VOLUME	414383.850	3774122.960 130.35
LOCATION	L0008192	VOLUME	414383.632	3774104.673 128.00
LOCATION	L0008193	VOLUME	414383.414	3774086.386 126.23
LOCATION	L0008194	VOLUME	414383.197	3774068.099 124.91
LOCATION	L0008195	VOLUME	414382.979	3774049.813 123.72
LOCATION	L0008196	VOLUME	414382.761	3774031.526 122.12
LOCATION	L0008197	VOLUME	414382.544	3774013.239 127.40
LOCATION	L0008198	VOLUME	414382.326	3773994.953 132.96
LOCATION	L0008199	VOLUME	414382.108	3773976.666 139.07
LOCATION	L0008200	VOLUME	414381.890	3773958.379 138.14
LOCATION	L0008201	VOLUME	414393.505	3773951.785 137.14
LOCATION	L0008202	VOLUME	414411.793	3773951.785 135.11
LOCATION	L0008203	VOLUME	414430.081	3773951.785 132.60
LOCATION	L0008204	VOLUME	414448.369	3773951.785 129.80
LOCATION	L0008205	VOLUME	414466.657	3773951.785 126.03
LOCATION	L0008206	VOLUME	414484.945	3773951.785 125.32
LOCATION	L0008207	VOLUME	414503.233	3773951.785 127.03
LOCATION	L0008208	VOLUME	414521.521	3773951.785 127.68
LOCATION	L0008209	VOLUME	414539.809	3773951.785 128.87
LOCATION	L0008210	VOLUME	414558.097	3773951.785 129.82
LOCATION	L0008211	VOLUME	414576.385	3773951.785 131.17
LOCATION	L0008212	VOLUME	414582.768	3773963.833 131.75
LOCATION	L0008213	VOLUME	414582.987	3773982.120 131.06
LOCATION	L0008214	VOLUME	414583.206	3774000.407 129.72
LOCATION	L0008215	VOLUME	414583.425	3774018.693 129.08
LOCATION	L0008216	VOLUME	414583.644	3774036.980 129.03
LOCATION	L0008217	VOLUME	414583.863	3774055.267 122.80
LOCATION	L0008218	VOLUME	414584.082	3774073.553 114.72
LOCATION	L0008219	VOLUME	414584.301	3774091.840 106.59
LOCATION	L0008220	VOLUME	414584.520	3774110.127 103.27
LOCATION	L0008221	VOLUME	414584.739	3774128.413 106.13
LOCATION	L0008222	VOLUME	414584.958	3774146.700 122.29
LOCATION	L0008223	VOLUME	414585.177	3774164.987 123.39
LOCATION	L0008224	VOLUME	414585.396	3774183.273 124.23
LOCATION	L0008225	VOLUME	414585.615	3774201.560 126.10
LOCATION	L0008226	VOLUME	414585.834	3774219.847 130.20

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  LOCATION L0008227     VOLUME   414586.053 3774238.133 135.69
  LOCATION L0008228     VOLUME   414586.272 3774256.420 139.46
  LOCATION L0008229     VOLUME   414586.491 3774274.707 143.21
** End of LINE VOLUME Source ID = SLINE1
  LOCATION AREA1        AREA     414398.040  3774235.000     146.160
** DESCRSRC Idling Site 1
  LOCATION AREA9        AREA     414570.000  3774235.000     137.110
** DESCRSRC Idling Site 9
  LOCATION AREA10       AREA     414570.000  3774200.000     128.420
** DESCRSRC Idling Site 10
  LOCATION AREA11       AREA     414570.000  3774165.000     121.690
** DESCRSRC Idling Site 11
  LOCATION AREA12       AREA     414570.000  3774130.000     107.440
** DESCRSRC Idling Site 12
  LOCATION AREA13       AREA     414570.000  3774095.000     113.230
** DESCRSRC Idling Site 13
  LOCATION AREA14       AREA     414570.000  3774060.000     125.910
** DESCRSRC Idling Site 14
  LOCATION AREA15       AREA     414570.000  3774025.000     128.320
** DESCRSRC Idling Site 15
  LOCATION AREA16       AREA     414570.000  3773995.000     127.880
** DESCRSRC Idling Site 16
  LOCATION AREA2        AREA     414398.040  3774200.000     143.000
** DESCRSRC Idling Site 2
  LOCATION AREA3        AREA     414398.040  3774165.000     140.150
** DESCRSRC Idling Site 3
  LOCATION AREA4        AREA     414398.040  3774130.000     120.370
** DESCRSRC Idling Site 4
  LOCATION AREA5        AREA     414398.040  3774095.000     113.490
** DESCRSRC Idling Site 5
  LOCATION AREA6        AREA     414398.040  3774060.000     111.010
** DESCRSRC Idling Site 6
  LOCATION AREA7        AREA     414398.040  3774025.000     111.210
** DESCRSRC Idling Site 7
  LOCATION AREA8        AREA     414398.040  3773995.000     132.690
** DESCRSRC Idling Site 8
** ----------------------------------------------------------------
** Line Source Represented by Separated Volume Sources (2W)
** LINE VOLUME Source ID = SLINE2
** DESCRSRC Off-site Truck Circulation (south)
** PREFIX
** Length of Side = 9.14
** Configuration = Separated 2W
** Emission Rate = 1.0
** Vertical Dimension = 9.14
** SZINIT = 4.25
** Nodes = 2
** 414644.058, 3774277.129, 144.04, 0.00, 8.51
** 414636.808, 3773179.914, 137.45, 0.00, 8.51
** ----------------------------------------------------------------
  LOCATION L0008230     VOLUME   414644.028 3774272.557 144.06
  LOCATION L0008231     VOLUME   414643.907 3774254.269 143.87
  LOCATION L0008232     VOLUME   414643.786 3774235.982 143.66
  LOCATION L0008233     VOLUME   414643.665 3774217.694 143.46
  LOCATION L0008234     VOLUME   414643.544 3774199.406 143.27
  LOCATION L0008235     VOLUME   414643.424 3774181.119 143.06
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LOCATION L0008236   VOLUME  414643.303 3774162.831 142.84
LOCATION L0008237   VOLUME  414643.182 3774144.544 142.63
LOCATION L0008238   VOLUME  414643.061 3774126.256 142.43
LOCATION L0008239   VOLUME  414642.940 3774107.968 142.20
LOCATION L0008240   VOLUME  414642.819 3774089.681 142.03
LOCATION L0008241   VOLUME  414642.699 3774071.393 141.83
LOCATION L0008242   VOLUME  414642.578 3774053.106 141.63
LOCATION L0008243   VOLUME  414642.457 3774034.818 141.42
LOCATION L0008244   VOLUME  414642.336 3774016.530 141.22
LOCATION L0008245   VOLUME  414642.215 3773998.243 141.04
LOCATION L0008246   VOLUME  414642.094 3773979.955 140.89
LOCATION L0008247   VOLUME  414641.973 3773961.668 140.73
LOCATION L0008248   VOLUME  414641.853 3773943.380 140.62
LOCATION L0008249   VOLUME  414641.732 3773925.092 140.56
LOCATION L0008250   VOLUME  414641.611 3773906.805 140.49
LOCATION L0008251   VOLUME  414641.490 3773888.517 140.43
LOCATION L0008252   VOLUME  414641.369 3773870.230 140.37
LOCATION L0008253   VOLUME  414641.248 3773851.942 140.27
LOCATION L0008254   VOLUME  414641.128 3773833.654 140.17
LOCATION L0008255   VOLUME  414641.007 3773815.367 140.12
LOCATION L0008256   VOLUME  414640.886 3773797.079 140.04
LOCATION L0008257   VOLUME  414640.765 3773778.792 139.95
LOCATION L0008258   VOLUME  414640.644 3773760.504 139.87
LOCATION L0008259   VOLUME  414640.523 3773742.216 139.80
LOCATION L0008260   VOLUME  414640.403 3773723.929 139.73
LOCATION L0008261   VOLUME  414640.282 3773705.641 139.70
LOCATION L0008262   VOLUME  414640.161 3773687.354 139.70
LOCATION L0008263   VOLUME  414640.040 3773669.066 139.88
LOCATION L0008264   VOLUME  414639.919 3773650.778 140.10
LOCATION L0008265   VOLUME  414639.798 3773632.491 139.60
LOCATION L0008266   VOLUME  414639.677 3773614.203 140.45
LOCATION L0008267   VOLUME  414639.557 3773595.916 140.45
LOCATION L0008268   VOLUME  414639.436 3773577.628 135.56
LOCATION L0008269   VOLUME  414639.315 3773559.340 140.20
LOCATION L0008270   VOLUME  414639.194 3773541.053 140.00
LOCATION L0008271   VOLUME  414639.073 3773522.765 139.84
LOCATION L0008272   VOLUME  414638.952 3773504.478 139.79
LOCATION L0008273   VOLUME  414638.832 3773486.190 139.73
LOCATION L0008274   VOLUME  414638.711 3773467.902 139.61
LOCATION L0008275   VOLUME  414638.590 3773449.615 139.49
LOCATION L0008276   VOLUME  414638.469 3773431.327 139.33
LOCATION L0008277   VOLUME  414638.348 3773413.040 139.20
LOCATION L0008278   VOLUME  414638.227 3773394.752 139.06
LOCATION L0008279   VOLUME  414638.107 3773376.464 138.94
LOCATION L0008280   VOLUME  414637.986 3773358.177 138.81
LOCATION L0008281   VOLUME  414637.865 3773339.889 138.66
LOCATION L0008282   VOLUME  414637.744 3773321.602 138.55
LOCATION L0008283   VOLUME  414637.623 3773303.314 138.42
LOCATION L0008284   VOLUME  414637.502 3773285.026 138.28
LOCATION L0008285   VOLUME  414637.381 3773266.739 138.14
LOCATION L0008286   VOLUME  414637.261 3773248.451 138.04
LOCATION L0008287   VOLUME  414637.140 3773230.164 137.92
LOCATION L0008288   VOLUME  414637.019 3773211.876 137.74
LOCATION L0008289   VOLUME  414636.898 3773193.588 137.53
** End of LINE VOLUME Source ID = SLINE2
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** Line Source Represented by Separated Volume Sources (2W)
** LINE VOLUME Source ID = SLINE4
** DESCRSRC Off-site Truck Circulation (north)
** PREFIX
** Length of Side = 9.14
** Configuration = Separated 2W
** Emission Rate = 1.0
** Vertical Dimension = 9.14
** SZINIT = 4.25
** Nodes = 2
** 414648.617, 3774278.064, 144.03, 0.00, 8.51
** 414666.625, 3775096.948, 152.78, 0.00, 8.51
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  LOCATION L0008456    VOLUME   414648.717 3774282.635 144.14
  LOCATION L0008457    VOLUME   414649.120 3774300.918 144.34
  LOCATION L0008458    VOLUME   414649.522 3774319.202 144.55
  LOCATION L0008459    VOLUME   414649.924 3774337.485 144.79
  LOCATION L0008460    VOLUME   414650.326 3774355.769 144.99
  LOCATION L0008461    VOLUME   414650.728 3774374.053 145.14
  LOCATION L0008462    VOLUME   414651.130 3774392.336 145.21
  LOCATION L0008463    VOLUME   414651.532 3774410.620 145.30
  LOCATION L0008464    VOLUME   414651.934 3774428.903 145.51
  LOCATION L0008465    VOLUME   414652.336 3774447.187 145.79
  LOCATION L0008466    VOLUME   414652.738 3774465.470 146.10
  LOCATION L0008467    VOLUME   414653.140 3774483.754 146.37
  LOCATION L0008468    VOLUME   414653.542 3774502.038 146.59
  LOCATION L0008469    VOLUME   414653.944 3774520.321 146.76
  LOCATION L0008470    VOLUME   414654.346 3774538.605 146.91
  LOCATION L0008471    VOLUME   414654.749 3774556.888 147.06
  LOCATION L0008472    VOLUME   414655.151 3774575.172 147.19
  LOCATION L0008473    VOLUME   414655.553 3774593.456 147.34
  LOCATION L0008474    VOLUME   414655.955 3774611.739 147.52
  LOCATION L0008475    VOLUME   414656.357 3774630.023 147.72
  LOCATION L0008476    VOLUME   414656.759 3774648.306 147.92
  LOCATION L0008477    VOLUME   414657.161 3774666.590 148.10
  LOCATION L0008478    VOLUME   414657.563 3774684.873 148.29
  LOCATION L0008479    VOLUME   414657.965 3774703.157 148.48
  LOCATION L0008480    VOLUME   414658.367 3774721.441 148.65
  LOCATION L0008481    VOLUME   414658.769 3774739.724 148.85
  LOCATION L0008482    VOLUME   414659.171 3774758.008 149.05
  LOCATION L0008483    VOLUME   414659.573 3774776.291 149.23
  LOCATION L0008484    VOLUME   414659.975 3774794.575 149.38
  LOCATION L0008485    VOLUME   414660.377 3774812.858 149.56
  LOCATION L0008486    VOLUME   414660.780 3774831.142 149.78
  LOCATION L0008487    VOLUME   414661.182 3774849.426 149.96
  LOCATION L0008488    VOLUME   414661.584 3774867.709 150.13
  LOCATION L0008489    VOLUME   414661.986 3774885.993 150.32
  LOCATION L0008490    VOLUME   414662.388 3774904.276 150.51
  LOCATION L0008491    VOLUME   414662.790 3774922.560 150.69
  LOCATION L0008492    VOLUME   414663.192 3774940.844 150.87
  LOCATION L0008493    VOLUME   414663.594 3774959.127 151.08
  LOCATION L0008494    VOLUME   414663.996 3774977.411 151.30
  LOCATION L0008495    VOLUME   414664.398 3774995.694 151.55
  LOCATION L0008496    VOLUME   414664.800 3775013.978 151.78
  LOCATION L0008497    VOLUME   414665.202 3775032.261 152.02
  LOCATION L0008498    VOLUME   414665.604 3775050.545 152.26
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   LOCATION L0008499    VOLUME  414666.006 3775068.829 152.49
   LOCATION L0008500    VOLUME  414666.409 3775087.112 152.74
** End of LINE VOLUME Source ID = SLINE4
** ------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources (2W)
** LINE VOLUME Source ID = SLINE3
** DESCRSRC Off-Site Truck Circulation (west)
** PREFIX
** Length of Side = 9.14
** Configuration = Separated 2W
** Emission Rate = 1.0
** Vertical Dimension = 9.14
** SZINIT = 4.25
** Nodes = 3
** 414646.721, 3774279.012, 144.03, 0.00, 8.51
** 414648.617, 3774406.962, 145.26, 0.00, 8.51
** 413500.852, 3774422.127, 142.41, 0.00, 8.51
** ------------------------------------------------------------------
   LOCATION L0008386    VOLUME  414646.789 3774283.583 144.16
   LOCATION L0008387    VOLUME  414647.060 3774301.869 144.36
   LOCATION L0008388    VOLUME  414647.331 3774320.155 144.57
   LOCATION L0008389    VOLUME  414647.602 3774338.441 144.81
   LOCATION L0008390    VOLUME  414647.873 3774356.727 145.00
   LOCATION L0008391    VOLUME  414648.144 3774375.013 145.15
   LOCATION L0008392    VOLUME  414648.415 3774393.299 145.21
   LOCATION L0008393    VOLUME  414643.994 3774407.023 145.25
   LOCATION L0008394    VOLUME  414625.708 3774407.265 145.20
   LOCATION L0008395    VOLUME  414607.421 3774407.507 145.14
   LOCATION L0008396    VOLUME  414589.135 3774407.748 145.13
   LOCATION L0008397    VOLUME  414570.848 3774407.990 145.05
   LOCATION L0008398    VOLUME  414552.562 3774408.231 145.00
   LOCATION L0008399    VOLUME  414534.276 3774408.473 144.98
   LOCATION L0008400    VOLUME  414515.989 3774408.715 144.94
   LOCATION L0008401    VOLUME  414497.703 3774408.956 144.92
   LOCATION L0008402    VOLUME  414479.416 3774409.198 144.89
   LOCATION L0008403    VOLUME  414461.130 3774409.439 144.83
   LOCATION L0008404    VOLUME  414442.844 3774409.681 144.80
   LOCATION L0008405    VOLUME  414424.557 3774409.923 144.77
   LOCATION L0008406    VOLUME  414406.271 3774410.164 144.74
   LOCATION L0008407    VOLUME  414387.984 3774410.406 144.72
   LOCATION L0008408    VOLUME  414369.698 3774410.647 144.69
   LOCATION L0008409    VOLUME  414351.412 3774410.889 144.68
   LOCATION L0008410    VOLUME  414333.125 3774411.131 144.68
   LOCATION L0008411    VOLUME  414314.839 3774411.372 144.55
   LOCATION L0008412    VOLUME  414296.552 3774411.614 144.51
   LOCATION L0008413    VOLUME  414278.266 3774411.855 144.48
   LOCATION L0008414    VOLUME  414259.980 3774412.097 144.43
   LOCATION L0008415    VOLUME  414241.693 3774412.339 144.39
   LOCATION L0008416    VOLUME  414223.407 3774412.580 144.35
   LOCATION L0008417    VOLUME  414205.120 3774412.822 144.30
   LOCATION L0008418    VOLUME  414186.834 3774413.063 144.26
   LOCATION L0008419    VOLUME  414168.548 3774413.305 144.21
   LOCATION L0008420    VOLUME  414150.261 3774413.547 144.15
   LOCATION L0008421    VOLUME  414131.975 3774413.788 144.12
   LOCATION L0008422    VOLUME  414113.688 3774414.030 144.19
   LOCATION L0008423    VOLUME  414095.402 3774414.271 144.11
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   LOCATION L0008424    VOLUME  414077.116 3774414.513 144.06
   LOCATION L0008425    VOLUME  414058.829 3774414.755 144.02
   LOCATION L0008426    VOLUME  414040.543 3774414.996 143.96
   LOCATION L0008427    VOLUME  414022.256 3774415.238 143.85
   LOCATION L0008428    VOLUME  414003.970 3774415.479 143.82
   LOCATION L0008429    VOLUME  413985.684 3774415.721 143.78
   LOCATION L0008430    VOLUME  413967.397 3774415.963 143.72
   LOCATION L0008431    VOLUME  413949.111 3774416.204 143.64
   LOCATION L0008432    VOLUME  413930.824 3774416.446 143.56
   LOCATION L0008433    VOLUME  413912.538 3774416.687 143.48
   LOCATION L0008434    VOLUME  413894.251 3774416.929 143.40
   LOCATION L0008435    VOLUME  413875.965 3774417.171 143.32
   LOCATION L0008436    VOLUME  413857.679 3774417.412 143.25
   LOCATION L0008437    VOLUME  413839.392 3774417.654 143.28
   LOCATION L0008438    VOLUME  413821.106 3774417.895 143.12
   LOCATION L0008439    VOLUME  413802.819 3774418.137 143.00
   LOCATION L0008440    VOLUME  413784.533 3774418.379 142.94
   LOCATION L0008441    VOLUME  413766.247 3774418.620 142.90
   LOCATION L0008442    VOLUME  413747.960 3774418.862 142.88
   LOCATION L0008443    VOLUME  413729.674 3774419.104 142.92
   LOCATION L0008444    VOLUME  413711.387 3774419.345 142.93
   LOCATION L0008445    VOLUME  413693.101 3774419.587 142.77
   LOCATION L0008446    VOLUME  413674.815 3774419.828 142.73
   LOCATION L0008447    VOLUME  413656.528 3774420.070 142.73
   LOCATION L0008448    VOLUME  413638.242 3774420.312 142.70
   LOCATION L0008449    VOLUME  413619.955 3774420.553 142.67
   LOCATION L0008450    VOLUME  413601.669 3774420.795 142.63
   LOCATION L0008451    VOLUME  413583.383 3774421.036 142.63
   LOCATION L0008452    VOLUME  413565.096 3774421.278 142.58
   LOCATION L0008453    VOLUME  413546.810 3774421.520 142.54
   LOCATION L0008454    VOLUME  413528.523 3774421.761 142.50
   LOCATION L0008455    VOLUME  413510.237 3774422.003 142.48
** End of LINE VOLUME Source ID = SLINE3
** ------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE5
** DESCRSRC Construction Activities
** PREFIX
** Length of Side = 3.66
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 3.66
** SZINIT = 1.70
** Nodes = 8
** 414381.506, 3774285.539, 144.03, 1.83, 1.70
** 414383.328, 3773952.778, 144.03, 1.83, 1.70
** 414456.195, 3773951.563, 144.03, 1.83, 1.70
** 414451.945, 3774280.074, 144.03, 1.83, 1.70
** 414522.383, 3774278.252, 144.03, 1.83, 1.70
** 414521.169, 3773951.563, 144.03, 1.83, 1.70
** 414594.643, 3773952.778, 144.03, 1.83, 1.70
** 414586.142, 3774281.288, 144.03, 1.83, 1.70
** ------------------------------------------------------------------
   LOCATION L0008501    VOLUME  414381.516 3774283.710 144.03
   LOCATION L0008502    VOLUME  414381.536 3774280.052 144.03
   LOCATION L0008503    VOLUME  414381.556 3774276.395 144.03
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LOCATION	L0008504	VOLUME	414381.576	3774272.737 144.03
LOCATION	L0008505	VOLUME	414381.596	3774269.080 144.03
LOCATION	L0008506	VOLUME	414381.616	3774265.422 144.03
LOCATION	L0008507	VOLUME	414381.636	3774261.765 144.03
LOCATION	L0008508	VOLUME	414381.656	3774258.107 144.03
LOCATION	L0008509	VOLUME	414381.676	3774254.450 144.03
LOCATION	L0008510	VOLUME	414381.696	3774250.792 144.03
LOCATION	L0008511	VOLUME	414381.716	3774247.135 144.03
LOCATION	L0008512	VOLUME	414381.736	3774243.477 144.03
LOCATION	L0008513	VOLUME	414381.756	3774239.819 144.03
LOCATION	L0008514	VOLUME	414381.776	3774236.162 144.03
LOCATION	L0008515	VOLUME	414381.796	3774232.504 144.03
LOCATION	L0008516	VOLUME	414381.816	3774228.847 144.03
LOCATION	L0008517	VOLUME	414381.836	3774225.189 144.03
LOCATION	L0008518	VOLUME	414381.856	3774221.532 144.03
LOCATION	L0008519	VOLUME	414381.876	3774217.874 144.03
LOCATION	L0008520	VOLUME	414381.896	3774214.217 144.03
LOCATION	L0008521	VOLUME	414381.917	3774210.559 144.03
LOCATION	L0008522	VOLUME	414381.937	3774206.902 144.03
LOCATION	L0008523	VOLUME	414381.957	3774203.244 144.03
LOCATION	L0008524	VOLUME	414381.977	3774199.586 144.03
LOCATION	L0008525	VOLUME	414381.997	3774195.929 144.03
LOCATION	L0008526	VOLUME	414382.017	3774192.271 144.03
LOCATION	L0008527	VOLUME	414382.037	3774188.614 144.03
LOCATION	L0008528	VOLUME	414382.057	3774184.956 144.03
LOCATION	L0008529	VOLUME	414382.077	3774181.299 144.03
LOCATION	L0008530	VOLUME	414382.097	3774177.641 144.03
LOCATION	L0008531	VOLUME	414382.117	3774173.984 144.03
LOCATION	L0008532	VOLUME	414382.137	3774170.326 144.03
LOCATION	L0008533	VOLUME	414382.157	3774166.669 144.03
LOCATION	L0008534	VOLUME	414382.177	3774163.011 144.03
LOCATION	L0008535	VOLUME	414382.197	3774159.353 144.03
LOCATION	L0008536	VOLUME	414382.217	3774155.696 144.03
LOCATION	L0008537	VOLUME	414382.237	3774152.038 144.03
LOCATION	L0008538	VOLUME	414382.257	3774148.381 144.03
LOCATION	L0008539	VOLUME	414382.277	3774144.723 144.03
LOCATION	L0008540	VOLUME	414382.297	3774141.066 144.03
LOCATION	L0008541	VOLUME	414382.317	3774137.408 144.03
LOCATION	L0008542	VOLUME	414382.337	3774133.751 144.03
LOCATION	L0008543	VOLUME	414382.357	3774130.093 144.03
LOCATION	L0008544	VOLUME	414382.377	3774126.436 144.03
LOCATION	L0008545	VOLUME	414382.397	3774122.778 144.03
LOCATION	L0008546	VOLUME	414382.417	3774119.120 144.03
LOCATION	L0008547	VOLUME	414382.437	3774115.463 144.03
LOCATION	L0008548	VOLUME	414382.457	3774111.805 144.03
LOCATION	L0008549	VOLUME	414382.477	3774108.148 144.03
LOCATION	L0008550	VOLUME	414382.497	3774104.490 144.03
LOCATION	L0008551	VOLUME	414382.517	3774100.833 144.03
LOCATION	L0008552	VOLUME	414382.537	3774097.175 144.03
LOCATION	L0008553	VOLUME	414382.557	3774093.518 144.03
LOCATION	L0008554	VOLUME	414382.577	3774089.860 144.03
LOCATION	L0008555	VOLUME	414382.597	3774086.203 144.03
LOCATION	L0008556	VOLUME	414382.617	3774082.545 144.03
LOCATION	L0008557	VOLUME	414382.637	3774078.887 144.03
LOCATION	L0008558	VOLUME	414382.657	3774075.230 144.03
LOCATION	L0008559	VOLUME	414382.677	3774071.572 144.03

LOCATION	L0008560	VOLUME	414382.697	3774067.915 144.03
LOCATION	L0008561	VOLUME	414382.717	3774064.257 144.03
LOCATION	L0008562	VOLUME	414382.737	3774060.600 144.03
LOCATION	L0008563	VOLUME	414382.757	3774056.942 144.03
LOCATION	L0008564	VOLUME	414382.777	3774053.285 144.03
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LOCATION	L0008566	VOLUME	414382.818	3774045.970 144.03
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LOCATION	L0008568	VOLUME	414382.858	3774038.654 144.03
LOCATION	L0008569	VOLUME	414382.878	3774034.997 144.03
LOCATION	L0008570	VOLUME	414382.898	3774031.339 144.03
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LOCATION	L0008584	VOLUME	414383.178	3773980.134 144.03
LOCATION	L0008585	VOLUME	414383.198	3773976.476 144.03
LOCATION	L0008586	VOLUME	414383.218	3773972.819 144.03
LOCATION	L0008587	VOLUME	414383.238	3773969.161 144.03
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LOCATION	L0008589	VOLUME	414383.278	3773961.846 144.03
LOCATION	L0008590	VOLUME	414383.298	3773958.189 144.03
LOCATION	L0008591	VOLUME	414383.318	3773954.531 144.03
LOCATION	L0008592	VOLUME	414385.232	3773952.746 144.03
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LOCATION	L0008597	VOLUME	414403.517	3773952.441 144.03
LOCATION	L0008598	VOLUME	414407.174	3773952.380 144.03
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LOCATION	L0008605	VOLUME	414432.774	3773951.953 144.03
LOCATION	L0008606	VOLUME	414436.431	3773951.893 144.03
LOCATION	L0008607	VOLUME	414440.088	3773951.832 144.03
LOCATION	L0008608	VOLUME	414443.745	3773951.771 144.03
LOCATION	L0008609	VOLUME	414447.402	3773951.710 144.03
LOCATION	L0008610	VOLUME	414451.059	3773951.649 144.03
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LOCATION	L0008613	VOLUME	414456.120	3773957.399 144.03
LOCATION	L0008614	VOLUME	414456.072	3773961.056 144.03
LOCATION	L0008615	VOLUME	414456.025	3773964.714 144.03

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LOCATION L0008783 VOLUME 414521.533 3774049.626 144.03

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LOCATION	L0008785	VOLUME	414521.506	3774042.310 144.03
LOCATION	L0008786	VOLUME	414521.492	3774038.653 144.03
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LOCATION	L0008797	VOLUME	414521.343	3773998.419 144.03
LOCATION	L0008798	VOLUME	414521.329	3773994.762 144.03
LOCATION	L0008799	VOLUME	414521.316	3773991.104 144.03
LOCATION	L0008800	VOLUME	414521.302	3773987.447 144.03
LOCATION	L0008801	VOLUME	414521.288	3773983.789 144.03
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LOCATION	L0008811	VOLUME	414525.518	3773951.635 144.03
LOCATION	L0008812	VOLUME	414529.175	3773951.695 144.03
LOCATION	L0008813	VOLUME	414532.832	3773951.756 144.03
LOCATION	L0008814	VOLUME	414536.489	3773951.816 144.03
LOCATION	L0008815	VOLUME	414540.146	3773951.877 144.03
LOCATION	L0008816	VOLUME	414543.803	3773951.937 144.03
LOCATION	L0008817	VOLUME	414547.460	3773951.998 144.03
LOCATION	L0008818	VOLUME	414551.117	3773952.058 144.03
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LOCATION	L0008820	VOLUME	414558.432	3773952.179 144.03
LOCATION	L0008821	VOLUME	414562.089	3773952.240 144.03
LOCATION	L0008822	VOLUME	414565.746	3773952.300 144.03
LOCATION	L0008823	VOLUME	414569.403	3773952.360 144.03
LOCATION	L0008824	VOLUME	414573.060	3773952.421 144.03
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LOCATION	L0008826	VOLUME	414580.374	3773952.542 144.03
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LOCATION	L0008828	VOLUME	414587.688	3773952.663 144.03
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LOCATION	L0008830	VOLUME	414594.634	3773953.137 144.03
LOCATION	L0008831	VOLUME	414594.539	3773956.793 144.03
LOCATION	L0008832	VOLUME	414594.445	3773960.450 144.03
LOCATION	L0008833	VOLUME	414594.350	3773964.106 144.03
LOCATION	L0008834	VOLUME	414594.255	3773967.762 144.03
LOCATION	L0008835	VOLUME	414594.161	3773971.419 144.03
LOCATION	L0008836	VOLUME	414594.066	3773975.075 144.03
LOCATION	L0008837	VOLUME	414593.972	3773978.732 144.03
LOCATION	L0008838	VOLUME	414593.877	3773982.388 144.03
LOCATION	L0008839	VOLUME	414593.782	3773986.044 144.03

LOCATION	L0008840	VOLUME	414593.688	3773989.701 144.03
LOCATION	L0008841	VOLUME	414593.593	3773993.357 144.03
LOCATION	L0008842	VOLUME	414593.498	3773997.013 144.03
LOCATION	L0008843	VOLUME	414593.404	3774000.670 144.03
LOCATION	L0008844	VOLUME	414593.309	3774004.326 144.03
LOCATION	L0008845	VOLUME	414593.215	3774007.983 144.03
LOCATION	L0008846	VOLUME	414593.120	3774011.639 144.03
LOCATION	L0008847	VOLUME	414593.025	3774015.295 144.03
LOCATION	L0008848	VOLUME	414592.931	3774018.952 144.03
LOCATION	L0008849	VOLUME	414592.836	3774022.608 144.03
LOCATION	L0008850	VOLUME	414592.742	3774026.264 144.03
LOCATION	L0008851	VOLUME	414592.647	3774029.921 144.03
LOCATION	L0008852	VOLUME	414592.552	3774033.577 144.03
LOCATION	L0008853	VOLUME	414592.458	3774037.234 144.03
LOCATION	L0008854	VOLUME	414592.363	3774040.890 144.03
LOCATION	L0008855	VOLUME	414592.268	3774044.546 144.03
LOCATION	L0008856	VOLUME	414592.174	3774048.203 144.03
LOCATION	L0008857	VOLUME	414592.079	3774051.859 144.03
LOCATION	L0008858	VOLUME	414591.985	3774055.515 144.03
LOCATION	L0008859	VOLUME	414591.890	3774059.172 144.03
LOCATION	L0008860	VOLUME	414591.795	3774062.828 144.03
LOCATION	L0008861	VOLUME	414591.701	3774066.485 144.03
LOCATION	L0008862	VOLUME	414591.606	3774070.141 144.03
LOCATION	L0008863	VOLUME	414591.511	3774073.797 144.03
LOCATION	L0008864	VOLUME	414591.417	3774077.454 144.03
LOCATION	L0008865	VOLUME	414591.322	3774081.110 144.03
LOCATION	L0008866	VOLUME	414591.228	3774084.766 144.03
LOCATION	L0008867	VOLUME	414591.133	3774088.423 144.03
LOCATION	L0008868	VOLUME	414591.038	3774092.079 144.03
LOCATION	L0008869	VOLUME	414590.944	3774095.736 144.03
LOCATION	L0008870	VOLUME	414590.849	3774099.392 144.03
LOCATION	L0008871	VOLUME	414590.755	3774103.048 144.03
LOCATION	L0008872	VOLUME	414590.660	3774106.705 144.03
LOCATION	L0008873	VOLUME	414590.565	3774110.361 144.03
LOCATION	L0008874	VOLUME	414590.471	3774114.017 144.03
LOCATION	L0008875	VOLUME	414590.376	3774117.674 144.03
LOCATION	L0008876	VOLUME	414590.281	3774121.330 144.03
LOCATION	L0008877	VOLUME	414590.187	3774124.987 144.03
LOCATION	L0008878	VOLUME	414590.092	3774128.643 144.03
LOCATION	L0008879	VOLUME	414589.998	3774132.299 144.03
LOCATION	L0008880	VOLUME	414589.903	3774135.956 144.03
LOCATION	L0008881	VOLUME	414589.808	3774139.612 144.03
LOCATION	L0008882	VOLUME	414589.714	3774143.268 144.03
LOCATION	L0008883	VOLUME	414589.619	3774146.925 144.03
LOCATION	L0008884	VOLUME	414589.524	3774150.581 144.03
LOCATION	L0008885	VOLUME	414589.430	3774154.238 144.03
LOCATION	L0008886	VOLUME	414589.335	3774157.894 144.03
LOCATION	L0008887	VOLUME	414589.241	3774161.550 144.03
LOCATION	L0008888	VOLUME	414589.146	3774165.207 144.03
LOCATION	L0008889	VOLUME	414589.051	3774168.863 144.03
LOCATION	L0008890	VOLUME	414588.957	3774172.519 144.03
LOCATION	L0008891	VOLUME	414588.862	3774176.176 144.03
LOCATION	L0008892	VOLUME	414588.768	3774179.832 144.03
LOCATION	L0008893	VOLUME	414588.673	3774183.489 144.03
LOCATION	L0008894	VOLUME	414588.578	3774187.145 144.03
LOCATION	L0008895	VOLUME	414588.484	3774190.801 144.03

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   LOCATION L0008896    VOLUME  414588.389 3774194.458 144.03
   LOCATION L0008897    VOLUME  414588.294 3774198.114 144.03
   LOCATION L0008898    VOLUME  414588.200 3774201.771 144.03
   LOCATION L0008899    VOLUME  414588.105 3774205.427 144.03
   LOCATION L0008900    VOLUME  414588.011 3774209.083 144.03
   LOCATION L0008901    VOLUME  414587.916 3774212.740 144.03
   LOCATION L0008902    VOLUME  414587.821 3774216.396 144.03
   LOCATION L0008903    VOLUME  414587.727 3774220.052 144.03
   LOCATION L0008904    VOLUME  414587.632 3774223.709 144.03
   LOCATION L0008905    VOLUME  414587.537 3774227.365 144.03
   LOCATION L0008906    VOLUME  414587.443 3774231.022 144.03
   LOCATION L0008907    VOLUME  414587.348 3774234.678 144.03
   LOCATION L0008908    VOLUME  414587.254 3774238.334 144.03
   LOCATION L0008909    VOLUME  414587.159 3774241.991 144.03
   LOCATION L0008910    VOLUME  414587.064 3774245.647 144.03
   LOCATION L0008911    VOLUME  414586.970 3774249.303 144.03
   LOCATION L0008912    VOLUME  414586.875 3774252.960 144.03
   LOCATION L0008913    VOLUME  414586.780 3774256.616 144.03
   LOCATION L0008914    VOLUME  414586.686 3774260.273 144.03
   LOCATION L0008915    VOLUME  414586.591 3774263.929 144.03
   LOCATION L0008916    VOLUME  414586.497 3774267.585 144.03
   LOCATION L0008917    VOLUME  414586.402 3774271.242 144.03
   LOCATION L0008918    VOLUME  414586.307 3774274.898 144.03
   LOCATION L0008919    VOLUME  414586.213 3774278.554 144.03
** End of LINE VOLUME Source ID = SLINE5
** Source Parameters **
** LINE VOLUME Source ID = SLINE1
   SRCPARAM L0008169  0.0163934426  3.05  8.51  4.25
   SRCPARAM L0008170  0.0163934426  3.05  8.51  4.25
   SRCPARAM L0008171  0.0163934426  3.05  8.51  4.25
   SRCPARAM L0008172  0.0163934426  3.05  8.51  4.25
   SRCPARAM L0008173  0.0163934426  3.05  8.51  4.25
   SRCPARAM L0008174  0.0163934426  3.05  8.51  4.25
   SRCPARAM L0008175  0.0163934426  3.05  8.51  4.25
   SRCPARAM L0008176  0.0163934426  3.05  8.51  4.25
   SRCPARAM L0008177  0.0163934426  3.05  8.51  4.25
   SRCPARAM L0008178  0.0163934426  3.05  8.51  4.25
   SRCPARAM L0008179  0.0163934426  3.05  8.51  4.25
   SRCPARAM L0008180  0.0163934426  3.05  8.51  4.25
   SRCPARAM L0008181  0.0163934426  3.05  8.51  4.25
   SRCPARAM L0008182  0.0163934426  3.05  8.51  4.25
   SRCPARAM L0008183  0.0163934426  3.05  8.51  4.25
   SRCPARAM L0008184  0.0163934426  3.05  8.51  4.25
   SRCPARAM L0008185  0.0163934426  3.05  8.51  4.25
   SRCPARAM L0008186  0.0163934426  3.05  8.51  4.25
   SRCPARAM L0008187  0.0163934426  3.05  8.51  4.25
   SRCPARAM L0008188  0.0163934426  3.05  8.51  4.25
   SRCPARAM L0008189  0.0163934426  3.05  8.51  4.25
   SRCPARAM L0008190  0.0163934426  3.05  8.51  4.25
   SRCPARAM L0008191  0.0163934426  3.05  8.51  4.25
   SRCPARAM L0008192  0.0163934426  3.05  8.51  4.25
   SRCPARAM L0008193  0.0163934426  3.05  8.51  4.25
   SRCPARAM L0008194  0.0163934426  3.05  8.51  4.25
   SRCPARAM L0008195  0.0163934426  3.05  8.51  4.25
   SRCPARAM L0008196  0.0163934426  3.05  8.51  4.25
   SRCPARAM L0008197  0.0163934426  3.05  8.51  4.25
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   SRCPARAM L0008198  0.0163934426   3.05    8.51    4.25
   SRCPARAM L0008199  0.0163934426   3.05    8.51    4.25
   SRCPARAM L0008200  0.0163934426   3.05    8.51    4.25
   SRCPARAM L0008201  0.0163934426   3.05    8.51    4.25
   SRCPARAM L0008202  0.0163934426   3.05    8.51    4.25
   SRCPARAM L0008203  0.0163934426   3.05    8.51    4.25
   SRCPARAM L0008204  0.0163934426   3.05    8.51    4.25
   SRCPARAM L0008205  0.0163934426   3.05    8.51    4.25
   SRCPARAM L0008206  0.0163934426   3.05    8.51    4.25
   SRCPARAM L0008207  0.0163934426   3.05    8.51    4.25
   SRCPARAM L0008208  0.0163934426   3.05    8.51    4.25
   SRCPARAM L0008209  0.0163934426   3.05    8.51    4.25
   SRCPARAM L0008210  0.0163934426   3.05    8.51    4.25
   SRCPARAM L0008211  0.0163934426   3.05    8.51    4.25
   SRCPARAM L0008212  0.0163934426   3.05    8.51    4.25
   SRCPARAM L0008213  0.0163934426   3.05    8.51    4.25
   SRCPARAM L0008214  0.0163934426   3.05    8.51    4.25
   SRCPARAM L0008215  0.0163934426   3.05    8.51    4.25
   SRCPARAM L0008216  0.0163934426   3.05    8.51    4.25
   SRCPARAM L0008217  0.0163934426   3.05    8.51    4.25
   SRCPARAM L0008218  0.0163934426   3.05    8.51    4.25
   SRCPARAM L0008219  0.0163934426   3.05    8.51    4.25
   SRCPARAM L0008220  0.0163934426   3.05    8.51    4.25
   SRCPARAM L0008221  0.0163934426   3.05    8.51    4.25
   SRCPARAM L0008222  0.0163934426   3.05    8.51    4.25
   SRCPARAM L0008223  0.0163934426   3.05    8.51    4.25
   SRCPARAM L0008224  0.0163934426   3.05    8.51    4.25
   SRCPARAM L0008225  0.0163934426   3.05    8.51    4.25
   SRCPARAM L0008226  0.0163934426   3.05    8.51    4.25
   SRCPARAM L0008227  0.0163934426   3.05    8.51    4.25
   SRCPARAM L0008228  0.0163934426   3.05    8.51    4.25
   SRCPARAM L0008229  0.0163934426   3.05    8.51    4.25
** ------------------------------------------------------------------
   SRCPARAM AREA1      1.0   1.829   5.000   5.000   0.000
   SRCPARAM AREA9      1.0   1.829   5.000   5.000   0.000   0.000
   SRCPARAM AREA10     1.0   1.829   5.000   5.000   0.000   0.000
   SRCPARAM AREA11     1.0   1.829   5.000   5.000   0.000   0.000
   SRCPARAM AREA12     1.0   1.829   5.000   5.000   0.000   0.000
   SRCPARAM AREA13     1.0   1.829   5.000   5.000   0.000   0.000
   SRCPARAM AREA14     1.0   1.829   5.000   5.000   0.000   0.000
   SRCPARAM AREA15     1.0   1.829   5.000   5.000   0.000   0.000
   SRCPARAM AREA16     1.0   1.829   5.000   5.000   0.000   0.000
   SRCPARAM AREA2      1.0   1.829   5.000   5.000   0.000
   SRCPARAM AREA3      1.0   1.829   5.000   5.000   0.000   0.000
   SRCPARAM AREA4      1.0   1.829   5.000   5.000   0.000   0.000
   SRCPARAM AREA5      1.0   1.829   5.000   5.000   0.000   0.000
   SRCPARAM AREA6      1.0   1.829   5.000   5.000   0.000   0.000
   SRCPARAM AREA7      1.0   1.829   5.000   5.000   0.000   0.000
   SRCPARAM AREA8      1.0   1.829   5.000   5.000   0.000   0.000
** LINE VOLUME Source ID = SLINE2
   SRCPARAM L0008230  0.0166666667   0.00    8.51    4.25
   SRCPARAM L0008231  0.0166666667   0.00    8.51    4.25
   SRCPARAM L0008232  0.0166666667   0.00    8.51    4.25
   SRCPARAM L0008233  0.0166666667   0.00    8.51    4.25
   SRCPARAM L0008234  0.0166666667   0.00    8.51    4.25
   SRCPARAM L0008235  0.0166666667   0.00    8.51    4.25
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SRCPARAM L0008236	0.0166666667	0.00	8.51	4.25
SRCPARAM L0008237	0.0166666667	0.00	8.51	4.25
SRCPARAM L0008238	0.0166666667	0.00	8.51	4.25
SRCPARAM L0008239	0.0166666667	0.00	8.51	4.25
SRCPARAM L0008240	0.0166666667	0.00	8.51	4.25
SRCPARAM L0008241	0.0166666667	0.00	8.51	4.25
SRCPARAM L0008242	0.0166666667	0.00	8.51	4.25
SRCPARAM L0008243	0.0166666667	0.00	8.51	4.25
SRCPARAM L0008244	0.0166666667	0.00	8.51	4.25
SRCPARAM L0008245	0.0166666667	0.00	8.51	4.25
SRCPARAM L0008246	0.0166666667	0.00	8.51	4.25
SRCPARAM L0008247	0.0166666667	0.00	8.51	4.25
SRCPARAM L0008248	0.0166666667	0.00	8.51	4.25
SRCPARAM L0008249	0.0166666667	0.00	8.51	4.25
SRCPARAM L0008250	0.0166666667	0.00	8.51	4.25
SRCPARAM L0008251	0.0166666667	0.00	8.51	4.25
SRCPARAM L0008252	0.0166666667	0.00	8.51	4.25
SRCPARAM L0008253	0.0166666667	0.00	8.51	4.25
SRCPARAM L0008254	0.0166666667	0.00	8.51	4.25
SRCPARAM L0008255	0.0166666667	0.00	8.51	4.25
SRCPARAM L0008256	0.0166666667	0.00	8.51	4.25
SRCPARAM L0008257	0.0166666667	0.00	8.51	4.25
SRCPARAM L0008258	0.0166666667	0.00	8.51	4.25
SRCPARAM L0008259	0.0166666667	0.00	8.51	4.25
SRCPARAM L0008260	0.0166666667	0.00	8.51	4.25
SRCPARAM L0008261	0.0166666667	0.00	8.51	4.25
SRCPARAM L0008262	0.0166666667	0.00	8.51	4.25
SRCPARAM L0008263	0.0166666667	0.00	8.51	4.25
SRCPARAM L0008264	0.0166666667	0.00	8.51	4.25
SRCPARAM L0008265	0.0166666667	0.00	8.51	4.25
SRCPARAM L0008266	0.0166666667	0.00	8.51	4.25
SRCPARAM L0008267	0.0166666667	0.00	8.51	4.25
SRCPARAM L0008268	0.0166666667	0.00	8.51	4.25
SRCPARAM L0008269	0.0166666667	0.00	8.51	4.25
SRCPARAM L0008270	0.0166666667	0.00	8.51	4.25
SRCPARAM L0008271	0.0166666667	0.00	8.51	4.25
SRCPARAM L0008272	0.0166666667	0.00	8.51	4.25
SRCPARAM L0008273	0.0166666667	0.00	8.51	4.25
SRCPARAM L0008274	0.0166666667	0.00	8.51	4.25
SRCPARAM L0008275	0.0166666667	0.00	8.51	4.25
SRCPARAM L0008276	0.0166666667	0.00	8.51	4.25
SRCPARAM L0008277	0.0166666667	0.00	8.51	4.25
SRCPARAM L0008278	0.0166666667	0.00	8.51	4.25
SRCPARAM L0008279	0.0166666667	0.00	8.51	4.25
SRCPARAM L0008280	0.0166666667	0.00	8.51	4.25
SRCPARAM L0008281	0.0166666667	0.00	8.51	4.25
SRCPARAM L0008282	0.0166666667	0.00	8.51	4.25
SRCPARAM L0008283	0.0166666667	0.00	8.51	4.25
SRCPARAM L0008284	0.0166666667	0.00	8.51	4.25
SRCPARAM L0008285	0.0166666667	0.00	8.51	4.25
SRCPARAM L0008286	0.0166666667	0.00	8.51	4.25
SRCPARAM L0008287	0.0166666667	0.00	8.51	4.25
SRCPARAM L0008288	0.0166666667	0.00	8.51	4.25
SRCPARAM L0008289	0.0166666667	0.00	8.51	4.25

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** LINE VOLUME Source ID = SLINE4

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   SRCPARAM L0008456  0.0222222222  0.00   8.51   4.25
   SRCPARAM L0008457  0.0222222222  0.00   8.51   4.25
   SRCPARAM L0008458  0.0222222222  0.00   8.51   4.25
   SRCPARAM L0008459  0.0222222222  0.00   8.51   4.25
   SRCPARAM L0008460  0.0222222222  0.00   8.51   4.25
   SRCPARAM L0008461  0.0222222222  0.00   8.51   4.25
   SRCPARAM L0008462  0.0222222222  0.00   8.51   4.25
   SRCPARAM L0008463  0.0222222222  0.00   8.51   4.25
   SRCPARAM L0008464  0.0222222222  0.00   8.51   4.25
   SRCPARAM L0008465  0.0222222222  0.00   8.51   4.25
   SRCPARAM L0008466  0.0222222222  0.00   8.51   4.25
   SRCPARAM L0008467  0.0222222222  0.00   8.51   4.25
   SRCPARAM L0008468  0.0222222222  0.00   8.51   4.25
   SRCPARAM L0008469  0.0222222222  0.00   8.51   4.25
   SRCPARAM L0008470  0.0222222222  0.00   8.51   4.25
   SRCPARAM L0008471  0.0222222222  0.00   8.51   4.25
   SRCPARAM L0008472  0.0222222222  0.00   8.51   4.25
   SRCPARAM L0008473  0.0222222222  0.00   8.51   4.25
   SRCPARAM L0008474  0.0222222222  0.00   8.51   4.25
   SRCPARAM L0008475  0.0222222222  0.00   8.51   4.25
   SRCPARAM L0008476  0.0222222222  0.00   8.51   4.25
   SRCPARAM L0008477  0.0222222222  0.00   8.51   4.25
   SRCPARAM L0008478  0.0222222222  0.00   8.51   4.25
   SRCPARAM L0008479  0.0222222222  0.00   8.51   4.25
   SRCPARAM L0008480  0.0222222222  0.00   8.51   4.25
   SRCPARAM L0008481  0.0222222222  0.00   8.51   4.25
   SRCPARAM L0008482  0.0222222222  0.00   8.51   4.25
   SRCPARAM L0008483  0.0222222222  0.00   8.51   4.25
   SRCPARAM L0008484  0.0222222222  0.00   8.51   4.25
   SRCPARAM L0008485  0.0222222222  0.00   8.51   4.25
   SRCPARAM L0008486  0.0222222222  0.00   8.51   4.25
   SRCPARAM L0008487  0.0222222222  0.00   8.51   4.25
   SRCPARAM L0008488  0.0222222222  0.00   8.51   4.25
   SRCPARAM L0008489  0.0222222222  0.00   8.51   4.25
   SRCPARAM L0008490  0.0222222222  0.00   8.51   4.25
   SRCPARAM L0008491  0.0222222222  0.00   8.51   4.25
   SRCPARAM L0008492  0.0222222222  0.00   8.51   4.25
   SRCPARAM L0008493  0.0222222222  0.00   8.51   4.25
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   SRCPARAM L0008495  0.0222222222  0.00   8.51   4.25
   SRCPARAM L0008496  0.0222222222  0.00   8.51   4.25
   SRCPARAM L0008497  0.0222222222  0.00   8.51   4.25
   SRCPARAM L0008498  0.0222222222  0.00   8.51   4.25
   SRCPARAM L0008499  0.0222222222  0.00   8.51   4.25
   SRCPARAM L0008500  0.0222222222  0.00   8.51   4.25
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** LINE VOLUME Source ID = SLINE3
   SRCPARAM L0008386  0.0142857143  0.00   8.51   4.25
   SRCPARAM L0008387  0.0142857143  0.00   8.51   4.25
   SRCPARAM L0008388  0.0142857143  0.00   8.51   4.25
   SRCPARAM L0008389  0.0142857143  0.00   8.51   4.25
   SRCPARAM L0008390  0.0142857143  0.00   8.51   4.25
   SRCPARAM L0008391  0.0142857143  0.00   8.51   4.25
   SRCPARAM L0008392  0.0142857143  0.00   8.51   4.25
   SRCPARAM L0008393  0.0142857143  0.00   8.51   4.25
   SRCPARAM L0008394  0.0142857143  0.00   8.51   4.25
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SRCPARAM L0008395	0.0142857143	0.00	8.51	4.25
SRCPARAM L0008396	0.0142857143	0.00	8.51	4.25
SRCPARAM L0008397	0.0142857143	0.00	8.51	4.25
SRCPARAM L0008398	0.0142857143	0.00	8.51	4.25
SRCPARAM L0008399	0.0142857143	0.00	8.51	4.25
SRCPARAM L0008400	0.0142857143	0.00	8.51	4.25
SRCPARAM L0008401	0.0142857143	0.00	8.51	4.25
SRCPARAM L0008402	0.0142857143	0.00	8.51	4.25
SRCPARAM L0008403	0.0142857143	0.00	8.51	4.25
SRCPARAM L0008404	0.0142857143	0.00	8.51	4.25
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SRCPARAM L0008411	0.0142857143	0.00	8.51	4.25
SRCPARAM L0008412	0.0142857143	0.00	8.51	4.25
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SRCPARAM L0008414	0.0142857143	0.00	8.51	4.25
SRCPARAM L0008415	0.0142857143	0.00	8.51	4.25
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SRCPARAM L0008419	0.0142857143	0.00	8.51	4.25
SRCPARAM L0008420	0.0142857143	0.00	8.51	4.25
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SRCPARAM L0008450	0.0142857143	0.00	8.51	4.25

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SRCPARAM L0008762	0.0023866348	1.83	1.70	1.70
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SRCPARAM L0008765	0.0023866348	1.83	1.70	1.70
SRCPARAM L0008766	0.0023866348	1.83	1.70	1.70
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SRCPARAM L0008880	0.0023866348	1.83	1.70	1.70
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SRCPARAM L0008885	0.0023866348	1.83	1.70	1.70

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** No Building Downwash **
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   SRCGROUP AREA15   AREA15
   SRCGROUP AREA16   AREA16
   SRCGROUP AREA2    AREA2
   SRCGROUP AREA3    AREA3
   SRCGROUP AREA4    AREA4
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   SRCGROUP AREA6    AREA6
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SRCGROUP SLINE1   L0008229
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  SRCGROUP SLINE5   L0008735 L0008736 L0008737 L0008738 L0008739 L0008740
  SRCGROUP SLINE5   L0008741 L0008742 L0008743 L0008744 L0008745 L0008746
  SRCGROUP SLINE5   L0008747 L0008748 L0008749 L0008750 L0008751 L0008752
  SRCGROUP SLINE5   L0008753 L0008754 L0008755 L0008756 L0008757 L0008758
  SRCGROUP SLINE5   L0008759 L0008760 L0008761 L0008762 L0008763 L0008764
  SRCGROUP SLINE5   L0008765 L0008766 L0008767 L0008768 L0008769 L0008770
  SRCGROUP SLINE5   L0008771 L0008772 L0008773 L0008774 L0008775 L0008776
  SRCGROUP SLINE5   L0008777 L0008778 L0008779 L0008780 L0008781 L0008782
  SRCGROUP SLINE5   L0008783 L0008784 L0008785 L0008786 L0008787 L0008788
  SRCGROUP SLINE5   L0008789 L0008790 L0008791 L0008792 L0008793 L0008794
  SRCGROUP SLINE5   L0008795 L0008796 L0008797 L0008798 L0008799 L0008800
  SRCGROUP SLINE5   L0008801 L0008802 L0008803 L0008804 L0008805 L0008806
  SRCGROUP SLINE5   L0008807 L0008808 L0008809 L0008810 L0008811 L0008812
  SRCGROUP SLINE5   L0008813 L0008814 L0008815 L0008816 L0008817 L0008818
  SRCGROUP SLINE5   L0008819 L0008820 L0008821 L0008822 L0008823 L0008824
  SRCGROUP SLINE5   L0008825 L0008826 L0008827 L0008828 L0008829 L0008830
  SRCGROUP SLINE5   L0008831 L0008832 L0008833 L0008834 L0008835 L0008836
  SRCGROUP SLINE5   L0008837 L0008838 L0008839 L0008840 L0008841 L0008842
  SRCGROUP SLINE5   L0008843 L0008844 L0008845 L0008846 L0008847 L0008848
  SRCGROUP SLINE5   L0008849 L0008850 L0008851 L0008852 L0008853 L0008854
  SRCGROUP SLINE5   L0008855 L0008856 L0008857 L0008858 L0008859 L0008860
  SRCGROUP SLINE5   L0008861 L0008862 L0008863 L0008864 L0008865 L0008866
  SRCGROUP SLINE5   L0008867 L0008868 L0008869 L0008870 L0008871 L0008872
  SRCGROUP SLINE5   L0008873 L0008874 L0008875 L0008876 L0008877 L0008878
  SRCGROUP SLINE5   L0008879 L0008880 L0008881 L0008882 L0008883 L0008884
  SRCGROUP SLINE5   L0008885 L0008886 L0008887 L0008888 L0008889 L0008890
  SRCGROUP SLINE5   L0008891 L0008892 L0008893 L0008894 L0008895 L0008896
  SRCGROUP SLINE5   L0008897 L0008898 L0008899 L0008900 L0008901 L0008902
  SRCGROUP SLINE5   L0008903 L0008904 L0008905 L0008906 L0008907 L0008908
  SRCGROUP SLINE5   L0008909 L0008910 L0008911 L0008912 L0008913 L0008914
  SRCGROUP SLINE5   L0008915 L0008916 L0008917 L0008918 L0008919
SO FINISHED
**
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**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
  INCLUDED "Irwindale (Take 4).rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
  SURFFILE "..\..\..\..\..\..\City of Irwindale - 5175 Vincent Avenue\HRA\NEW HRA (for EIR in 2020)\MET
Data\AZUS_v9.SFC"
  PROFFILE "..\..\..\..\..\..\City of Irwindale - 5175 Vincent Avenue\HRA\NEW HRA (for EIR in 2020)\MET
Data\AZUS_v9.PFL"
  SURFDATA 3179 2012
  UAIRDATA 3190 2012
  SITEDATA 99999 2012
  PROFBASE 610.0 FEET
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
  RECTABLE ALLAVE 1ST
  RECTABLE 1 1ST
** Auto-Generated Plotfiles
  PLOTFILE 1 AREA1 1ST "IRWINDALE (TAKE 4).AD\01H1G001.PLT" 31
  PLOTFILE 1 AREA10 1ST "IRWINDALE (TAKE 4).AD\01H1G002.PLT" 32
  PLOTFILE 1 AREA11 1ST "IRWINDALE (TAKE 4).AD\01H1G003.PLT" 33
  PLOTFILE 1 AREA12 1ST "IRWINDALE (TAKE 4).AD\01H1G004.PLT" 34
  PLOTFILE 1 AREA13 1ST "IRWINDALE (TAKE 4).AD\01H1G005.PLT" 35
  PLOTFILE 1 AREA14 1ST "IRWINDALE (TAKE 4).AD\01H1G006.PLT" 36
  PLOTFILE 1 AREA15 1ST "IRWINDALE (TAKE 4).AD\01H1G007.PLT" 37
  PLOTFILE 1 AREA16 1ST "IRWINDALE (TAKE 4).AD\01H1G008.PLT" 38
  PLOTFILE 1 AREA2 1ST "IRWINDALE (TAKE 4).AD\01H1G009.PLT" 39
  PLOTFILE 1 AREA3 1ST "IRWINDALE (TAKE 4).AD\01H1G010.PLT" 40
  PLOTFILE 1 AREA4 1ST "IRWINDALE (TAKE 4).AD\01H1G011.PLT" 41
  PLOTFILE 1 AREA5 1ST "IRWINDALE (TAKE 4).AD\01H1G012.PLT" 42
  PLOTFILE 1 AREA6 1ST "IRWINDALE (TAKE 4).AD\01H1G013.PLT" 43
  PLOTFILE 1 AREA7 1ST "IRWINDALE (TAKE 4).AD\01H1G014.PLT" 44
  PLOTFILE 1 AREA8 1ST "IRWINDALE (TAKE 4).AD\01H1G015.PLT" 45
  PLOTFILE 1 AREA9 1ST "IRWINDALE (TAKE 4).AD\01H1G016.PLT" 46
  PLOTFILE 1 SLINE1 1ST "IRWINDALE (TAKE 4).AD\01H1G017.PLT" 47
  PLOTFILE 1 SLINE2 1ST "IRWINDALE (TAKE 4).AD\01H1G018.PLT" 48
  PLOTFILE 1 SLINE3 1ST "IRWINDALE (TAKE 4).AD\01H1G019.PLT" 49
  PLOTFILE 1 SLINE4 1ST "IRWINDALE (TAKE 4).AD\01H1G020.PLT" 50
  PLOTFILE 1 SLINE5 1ST "IRWINDALE (TAKE 4).AD\01H1G021.PLT" 51
  PLOTFILE PERIOD AREA1 "IRWINDALE (TAKE 4).AD\PE00G001.PLT" 52
```

file:///C/...TOP-977GSBU)/Documents/HRA/Irwindale/AERMOD/Irwindale%20(Take%204)/Irwindale%20(Take%204).ADO%20(output%20file).txt[5/25/2021 3:07:04 PM]

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  PLOTFILE PERIOD AREA10 "IRWINDALE (TAKE 4).AD\PE00G002.PLT" 53
  PLOTFILE PERIOD AREA11 "IRWINDALE (TAKE 4).AD\PE00G003.PLT" 54
  PLOTFILE PERIOD AREA12 "IRWINDALE (TAKE 4).AD\PE00G004.PLT" 55
  PLOTFILE PERIOD AREA13 "IRWINDALE (TAKE 4).AD\PE00G005.PLT" 56
  PLOTFILE PERIOD AREA14 "IRWINDALE (TAKE 4).AD\PE00G006.PLT" 57
  PLOTFILE PERIOD AREA15 "IRWINDALE (TAKE 4).AD\PE00G007.PLT" 58
  PLOTFILE PERIOD AREA16 "IRWINDALE (TAKE 4).AD\PE00G008.PLT" 59
  PLOTFILE PERIOD AREA2 "IRWINDALE (TAKE 4).AD\PE00G009.PLT" 60
  PLOTFILE PERIOD AREA3 "IRWINDALE (TAKE 4).AD\PE00G010.PLT" 61
  PLOTFILE PERIOD AREA4 "IRWINDALE (TAKE 4).AD\PE00G011.PLT" 62
  PLOTFILE PERIOD AREA5 "IRWINDALE (TAKE 4).AD\PE00G012.PLT" 63
  PLOTFILE PERIOD AREA6 "IRWINDALE (TAKE 4).AD\PE00G013.PLT" 64
  PLOTFILE PERIOD AREA7 "IRWINDALE (TAKE 4).AD\PE00G014.PLT" 65
  PLOTFILE PERIOD AREA8 "IRWINDALE (TAKE 4).AD\PE00G015.PLT" 66
  PLOTFILE PERIOD AREA9 "IRWINDALE (TAKE 4).AD\PE00G016.PLT" 67
  PLOTFILE PERIOD SLINE1 "IRWINDALE (TAKE 4).AD\PE00G017.PLT" 68
  PLOTFILE PERIOD SLINE2 "IRWINDALE (TAKE 4).AD\PE00G018.PLT" 69
  PLOTFILE PERIOD SLINE3 "IRWINDALE (TAKE 4).AD\PE00G019.PLT" 70
  PLOTFILE PERIOD SLINE4 "IRWINDALE (TAKE 4).AD\PE00G020.PLT" 71
  PLOTFILE PERIOD SLINE5 "IRWINDALE (TAKE 4).AD\PE00G021.PLT" 72
  SUMMFILE "Irwindale (Take 4).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   1644      MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used        0.50
ME W187   1644      MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

***********************************
*** SETUP Finishes Successfully ***
***********************************

  *** AERMOD - VERSION  19191 ***   *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc
***       05/24/21
*** AERMET - VERSION  16216 ***   ***                                                ***       12:11:05
                                                                      PAGE   1
*** 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   671 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:  OTHER

**Model Calculates  1 Short Term Average(s) of:   1-HR
   and Calculates PERIOD Averages

**This Run Includes:    671 Source(s);     21 Source Group(s); and     470 Receptor(s)

           with:      0 POINT(s), including
                    0 POINTCAP(s) and      0 POINTHOR(s)
            and:    655 VOLUME source(s)
            and:     16 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      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) =   185.93 ;  Decay Coef. =    0.000     ;  Rot. Angle =     0.0
```

Emission Units = GRAMS/SEC ; Emission Rate Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 4.4 MB of RAM.

**Input Runstream File: aermod.inp
**Output Print File: aermod.out

**Detailed Error/Message File: Irwindale (Take 4).err
**File for Summary of Results: Irwindale (Take 4).sum
*** AERMOD - VERSION 19191 *** *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc
*** 05/24/21
*** AERMET - VERSION 16216 *** *** *** 12:11:05
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 SCALAR VARY BY
L0008169	0	0.16393E-01	414631.7	3774277.4	144.2	3.05	8.51	4.25	YES	
L0008170	0	0.16393E-01	414613.4	3774277.5	142.4	3.05	8.51	4.25	YES	
L0008171	0	0.16393E-01	414595.1	3774277.7	143.2	3.05	8.51	4.25	YES	
L0008172	0	0.16393E-01	414576.8	3774277.8	143.6	3.05	8.51	4.25	YES	
L0008173	0	0.16393E-01	414558.5	3774278.0	143.7	3.05	8.51	4.25	YES	
L0008174	0	0.16393E-01	414540.2	3774278.1	143.7	3.05	8.51	4.25	YES	
L0008175	0	0.16393E-01	414521.9	3774278.3	143.8	3.05	8.51	4.25	YES	
L0008176	0	0.16393E-01	414503.7	3774278.4	143.7	3.05	8.51	4.25	YES	
L0008177	0	0.16393E-01	414485.4	3774278.5	143.7	3.05	8.51	4.25	YES	
L0008178	0	0.16393E-01	414467.1	3774278.7	143.8	3.05	8.51	4.25	YES	
L0008179	0	0.16393E-01	414448.8	3774278.8	143.6	3.05	8.51	4.25	YES	
L0008180	0	0.16393E-01	414430.5	3774279.0	143.6	3.05	8.51	4.25	YES	
L0008181	0	0.16393E-01	414412.2	3774279.1	143.6	3.05	8.51	4.25	YES	
L0008182	0	0.16393E-01	414393.9	3774279.3	143.6	3.05	8.51	4.25	YES	
L0008183	0	0.16393E-01	414385.6	3774269.3	143.6	3.05	8.51	4.25	YES	
L0008184	0	0.16393E-01	414385.4	3774251.0	145.5	3.05	8.51	4.25	YES	
L0008185	0	0.16393E-01	414385.2	3774232.7	145.8	3.05	8.51	4.25	YES	
L0008186	0	0.16393E-01	414384.9	3774214.4	146.0	3.05	8.51	4.25	YES	
L0008187	0	0.16393E-01	414384.7	3774196.1	143.0	3.05	8.51	4.25	YES	
L0008188	0	0.16393E-01	414384.5	3774177.8	142.4	3.05	8.51	4.25	YES	
L0008189	0	0.16393E-01	414384.3	3774159.5	141.4	3.05	8.51	4.25	YES	
L0008190	0	0.16393E-01	414384.1	3774141.2	135.0	3.05	8.51	4.25	YES	
L0008191	0	0.16393E-01	414383.8	3774123.0	130.4	3.05	8.51	4.25	YES	
L0008192	0	0.16393E-01	414383.6	3774104.7	128.0	3.05	8.51	4.25	YES	
L0008193	0	0.16393E-01	414383.4	3774086.4	126.2	3.05	8.51	4.25	YES	
L0008194	0	0.16393E-01	414383.2	3774068.1	124.9	3.05	8.51	4.25	YES	
L0008195	0	0.16393E-01	414383.0	3774049.8	123.7	3.05	8.51	4.25	YES	
L0008196	0	0.16393E-01	414382.8	3774031.5	122.1	3.05	8.51	4.25	YES	
L0008197	0	0.16393E-01	414382.5	3774013.2	127.4	3.05	8.51	4.25	YES	
L0008198	0	0.16393E-01	414382.3	3773995.0	133.0	3.05	8.51	4.25	YES	
L0008199	0	0.16393E-01	414382.1	3773976.7	139.1	3.05	8.51	4.25	YES	
L0008200	0	0.16393E-01	414381.9	3773958.4	138.1	3.05	8.51	4.25	YES	

L0008201	0	0.16393E-01	414393.5	3773951.8	137.1	3.05	8.51	4.25	YES
L0008202	0	0.16393E-01	414411.8	3773951.8	135.1	3.05	8.51	4.25	YES
L0008203	0	0.16393E-01	414430.1	3773951.8	132.6	3.05	8.51	4.25	YES
L0008204	0	0.16393E-01	414448.4	3773951.8	129.8	3.05	8.51	4.25	YES
L0008205	0	0.16393E-01	414466.7	3773951.8	126.0	3.05	8.51	4.25	YES
L0008206	0	0.16393E-01	414484.9	3773951.8	125.3	3.05	8.51	4.25	YES
L0008207	0	0.16393E-01	414503.2	3773951.8	127.0	3.05	8.51	4.25	YES
L0008208	0	0.16393E-01	414521.5	3773951.8	127.7	3.05	8.51	4.25	YES

*** AERMOD - VERSION 19191 *** *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc
*** 05/24/21
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*** 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 SCALAR VARY BY
L0008209	0	0.16393E-01	414539.8	3773951.8	128.9	3.05	8.51	4.25	YES	
L0008210	0	0.16393E-01	414558.1	3773951.8	129.8	3.05	8.51	4.25	YES	
L0008211	0	0.16393E-01	414576.4	3773951.8	131.2	3.05	8.51	4.25	YES	
L0008212	0	0.16393E-01	414582.8	3773963.8	131.8	3.05	8.51	4.25	YES	
L0008213	0	0.16393E-01	414583.0	3773982.1	131.1	3.05	8.51	4.25	YES	
L0008214	0	0.16393E-01	414583.2	3774000.4	129.7	3.05	8.51	4.25	YES	
L0008215	0	0.16393E-01	414583.4	3774018.7	129.1	3.05	8.51	4.25	YES	
L0008216	0	0.16393E-01	414583.6	3774037.0	129.0	3.05	8.51	4.25	YES	
L0008217	0	0.16393E-01	414583.9	3774055.3	122.8	3.05	8.51	4.25	YES	
L0008218	0	0.16393E-01	414584.1	3774073.6	114.7	3.05	8.51	4.25	YES	
L0008219	0	0.16393E-01	414584.3	3774091.8	106.6	3.05	8.51	4.25	YES	
L0008220	0	0.16393E-01	414584.5	3774110.1	103.3	3.05	8.51	4.25	YES	
L0008221	0	0.16393E-01	414584.7	3774128.4	106.1	3.05	8.51	4.25	YES	
L0008222	0	0.16393E-01	414585.0	3774146.7	122.3	3.05	8.51	4.25	YES	
L0008223	0	0.16393E-01	414585.2	3774165.0	123.4	3.05	8.51	4.25	YES	
L0008224	0	0.16393E-01	414585.4	3774183.3	124.2	3.05	8.51	4.25	YES	
L0008225	0	0.16393E-01	414585.6	3774201.6	126.1	3.05	8.51	4.25	YES	
L0008226	0	0.16393E-01	414585.8	3774219.8	130.2	3.05	8.51	4.25	YES	
L0008227	0	0.16393E-01	414586.1	3774238.1	135.7	3.05	8.51	4.25	YES	
L0008228	0	0.16393E-01	414586.3	3774256.4	139.5	3.05	8.51	4.25	YES	
L0008229	0	0.16393E-01	414586.5	3774274.7	143.2	3.05	8.51	4.25	YES	
L0008230	0	0.16667E-01	414644.0	3774272.6	144.1	0.00	8.51	4.25	YES	
L0008231	0	0.16667E-01	414643.9	3774254.3	143.9	0.00	8.51	4.25	YES	
L0008232	0	0.16667E-01	414643.8	3774236.0	143.7	0.00	8.51	4.25	YES	
L0008233	0	0.16667E-01	414643.7	3774217.7	143.5	0.00	8.51	4.25	YES	
L0008234	0	0.16667E-01	414643.5	3774199.4	143.3	0.00	8.51	4.25	YES	
L0008235	0	0.16667E-01	414643.4	3774181.1	143.1	0.00	8.51	4.25	YES	
L0008236	0	0.16667E-01	414643.3	3774162.8	142.8	0.00	8.51	4.25	YES	
L0008237	0	0.16667E-01	414643.2	3774144.5	142.6	0.00	8.51	4.25	YES	
L0008238	0	0.16667E-01	414643.1	3774126.3	142.4	0.00	8.51	4.25	YES	
L0008239	0	0.16667E-01	414642.9	3774108.0	142.2	0.00	8.51	4.25	YES	
L0008240	0	0.16667E-01	414642.8	3774089.7	142.0	0.00	8.51	4.25	YES	
L0008241	0	0.16667E-01	414642.7	3774071.4	141.8	0.00	8.51	4.25	YES	
L0008242	0	0.16667E-01	414642.6	3774053.1	141.6	0.00	8.51	4.25	YES	

L0008243	0	0.16667E-01	414642.5	3774034.8	141.4	0.00	8.51	4.25	YES
L0008244	0	0.16667E-01	414642.3	3774016.5	141.2	0.00	8.51	4.25	YES
L0008245	0	0.16667E-01	414642.2	3773998.2	141.0	0.00	8.51	4.25	YES
L0008246	0	0.16667E-01	414642.1	3773980.0	140.9	0.00	8.51	4.25	YES
L0008247	0	0.16667E-01	414642.0	3773961.7	140.7	0.00	8.51	4.25	YES
L0008248	0	0.16667E-01	414641.9	3773943.4	140.6	0.00	8.51	4.25	YES

*** AERMOD - VERSION 19191 *** *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc *** 05/24/21

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*** 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 SCALAR VARY BY
L0008249	0	0.16667E-01	414641.7	3773925.1	140.6	0.00	8.51	4.25	YES	
L0008250	0	0.16667E-01	414641.6	3773906.8	140.5	0.00	8.51	4.25	YES	
L0008251	0	0.16667E-01	414641.5	3773888.5	140.4	0.00	8.51	4.25	YES	
L0008252	0	0.16667E-01	414641.4	3773870.2	140.4	0.00	8.51	4.25	YES	
L0008253	0	0.16667E-01	414641.2	3773851.9	140.3	0.00	8.51	4.25	YES	
L0008254	0	0.16667E-01	414641.1	3773833.7	140.2	0.00	8.51	4.25	YES	
L0008255	0	0.16667E-01	414641.0	3773815.4	140.1	0.00	8.51	4.25	YES	
L0008256	0	0.16667E-01	414640.9	3773797.1	140.0	0.00	8.51	4.25	YES	
L0008257	0	0.16667E-01	414640.8	3773778.8	140.0	0.00	8.51	4.25	YES	
L0008258	0	0.16667E-01	414640.6	3773760.5	139.9	0.00	8.51	4.25	YES	
L0008259	0	0.16667E-01	414640.5	3773742.2	139.8	0.00	8.51	4.25	YES	
L0008260	0	0.16667E-01	414640.4	3773723.9	139.7	0.00	8.51	4.25	YES	
L0008261	0	0.16667E-01	414640.3	3773705.6	139.7	0.00	8.51	4.25	YES	
L0008262	0	0.16667E-01	414640.2	3773687.4	139.7	0.00	8.51	4.25	YES	
L0008263	0	0.16667E-01	414640.0	3773669.1	139.9	0.00	8.51	4.25	YES	
L0008264	0	0.16667E-01	414639.9	3773650.8	140.1	0.00	8.51	4.25	YES	
L0008265	0	0.16667E-01	414639.8	3773632.5	139.6	0.00	8.51	4.25	YES	
L0008266	0	0.16667E-01	414639.7	3773614.2	140.5	0.00	8.51	4.25	YES	
L0008267	0	0.16667E-01	414639.6	3773595.9	140.5	0.00	8.51	4.25	YES	
L0008268	0	0.16667E-01	414639.4	3773577.6	135.6	0.00	8.51	4.25	YES	
L0008269	0	0.16667E-01	414639.3	3773559.3	140.2	0.00	8.51	4.25	YES	
L0008270	0	0.16667E-01	414639.2	3773541.1	140.0	0.00	8.51	4.25	YES	
L0008271	0	0.16667E-01	414639.1	3773522.8	139.8	0.00	8.51	4.25	YES	
L0008272	0	0.16667E-01	414639.0	3773504.5	139.8	0.00	8.51	4.25	YES	
L0008273	0	0.16667E-01	414638.8	3773486.2	139.7	0.00	8.51	4.25	YES	
L0008274	0	0.16667E-01	414638.7	3773467.9	139.6	0.00	8.51	4.25	YES	
L0008275	0	0.16667E-01	414638.6	3773449.6	139.5	0.00	8.51	4.25	YES	
L0008276	0	0.16667E-01	414638.5	3773431.3	139.3	0.00	8.51	4.25	YES	
L0008277	0	0.16667E-01	414638.3	3773413.0	139.2	0.00	8.51	4.25	YES	
L0008278	0	0.16667E-01	414638.2	3773394.8	139.1	0.00	8.51	4.25	YES	
L0008279	0	0.16667E-01	414638.1	3773376.5	138.9	0.00	8.51	4.25	YES	
L0008280	0	0.16667E-01	414638.0	3773358.2	138.8	0.00	8.51	4.25	YES	
L0008281	0	0.16667E-01	414637.9	3773339.9	138.7	0.00	8.51	4.25	YES	
L0008282	0	0.16667E-01	414637.7	3773321.6	138.6	0.00	8.51	4.25	YES	
L0008283	0	0.16667E-01	414637.6	3773303.3	138.4	0.00	8.51	4.25	YES	
L0008284	0	0.16667E-01	414637.5	3773285.0	138.3	0.00	8.51	4.25	YES	

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L0008285      0  0.16667E-01  414637.4 3773266.7  138.1    0.00    8.51    4.25    YES
L0008286      0  0.16667E-01  414637.3 3773248.5  138.0    0.00    8.51    4.25    YES
L0008287      0  0.16667E-01  414637.1 3773230.2  137.9    0.00    8.51    4.25    YES
L0008288      0  0.16667E-01  414637.0 3773211.9  137.7    0.00    8.51    4.25    YES
  *** AERMOD - VERSION 19191 ***   *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc
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                          *** VOLUME SOURCE DATA ***

        NUMBER EMISSION RATE                BASE   RELEASE   INIT.   INIT.  URBAN  EMISSION RATE
 SOURCE     PART.  (GRAMS/SEC)     X         Y     ELEV.   HEIGHT     SY      SZ   SOURCE  SCALAR VARY
  ID        CATS.                (METERS)  (METERS)  (METERS)  (METERS)  (METERS)  (METERS)          BY
-------------------------------------------------------------------------------

L0008289      0  0.16667E-01  414636.9 3773193.6  137.5    0.00    8.51    4.25    YES
L0008456      0  0.22222E-01  414648.7 3774282.6  144.1    0.00    8.51    4.25    YES
L0008457      0  0.22222E-01  414649.1 3774300.9  144.3    0.00    8.51    4.25    YES
L0008458      0  0.22222E-01  414649.5 3774319.2  144.6    0.00    8.51    4.25    YES
L0008459      0  0.22222E-01  414649.9 3774337.5  144.8    0.00    8.51    4.25    YES
L0008460      0  0.22222E-01  414650.3 3774355.8  145.0    0.00    8.51    4.25    YES
L0008461      0  0.22222E-01  414650.7 3774374.1  145.1    0.00    8.51    4.25    YES
L0008462      0  0.22222E-01  414651.1 3774392.3  145.2    0.00    8.51    4.25    YES
L0008463      0  0.22222E-01  414651.5 3774410.6  145.3    0.00    8.51    4.25    YES
L0008464      0  0.22222E-01  414651.9 3774428.9  145.5    0.00    8.51    4.25    YES
L0008465      0  0.22222E-01  414652.3 3774447.2  145.8    0.00    8.51    4.25    YES
L0008466      0  0.22222E-01  414652.7 3774465.5  146.1    0.00    8.51    4.25    YES
L0008467      0  0.22222E-01  414653.1 3774483.8  146.4    0.00    8.51    4.25    YES
L0008468      0  0.22222E-01  414653.5 3774502.0  146.6    0.00    8.51    4.25    YES
L0008469      0  0.22222E-01  414653.9 3774520.3  146.8    0.00    8.51    4.25    YES
L0008470      0  0.22222E-01  414654.3 3774538.6  146.9    0.00    8.51    4.25    YES
L0008471      0  0.22222E-01  414654.7 3774556.9  147.1    0.00    8.51    4.25    YES
L0008472      0  0.22222E-01  414655.2 3774575.2  147.2    0.00    8.51    4.25    YES
L0008473      0  0.22222E-01  414655.6 3774593.5  147.3    0.00    8.51    4.25    YES
L0008474      0  0.22222E-01  414656.0 3774611.7  147.5    0.00    8.51    4.25    YES
L0008475      0  0.22222E-01  414656.4 3774630.0  147.7    0.00    8.51    4.25    YES
L0008476      0  0.22222E-01  414656.8 3774648.3  147.9    0.00    8.51    4.25    YES
L0008477      0  0.22222E-01  414657.2 3774666.6  148.1    0.00    8.51    4.25    YES
L0008478      0  0.22222E-01  414657.6 3774684.9  148.3    0.00    8.51    4.25    YES
L0008479      0  0.22222E-01  414658.0 3774703.2  148.5    0.00    8.51    4.25    YES
L0008480      0  0.22222E-01  414658.4 3774721.4  148.7    0.00    8.51    4.25    YES
L0008481      0  0.22222E-01  414658.8 3774739.7  148.9    0.00    8.51    4.25    YES
L0008482      0  0.22222E-01  414659.2 3774758.0  149.1    0.00    8.51    4.25    YES
L0008483      0  0.22222E-01  414659.6 3774776.3  149.2    0.00    8.51    4.25    YES
L0008484      0  0.22222E-01  414660.0 3774794.6  149.4    0.00    8.51    4.25    YES
L0008485      0  0.22222E-01  414660.4 3774812.9  149.6    0.00    8.51    4.25    YES
L0008486      0  0.22222E-01  414660.8 3774831.1  149.8    0.00    8.51    4.25    YES
L0008487      0  0.22222E-01  414661.2 3774849.4  150.0    0.00    8.51    4.25    YES
L0008488      0  0.22222E-01  414661.6 3774867.7  150.1    0.00    8.51    4.25    YES
L0008489      0  0.22222E-01  414662.0 3774886.0  150.3    0.00    8.51    4.25    YES
L0008490      0  0.22222E-01  414662.4 3774904.3  150.5    0.00    8.51    4.25    YES
L0008491      0  0.22222E-01  414662.8 3774922.6  150.7    0.00    8.51    4.25    YES
L0008492      0  0.22222E-01  414663.2 3774940.8  150.9    0.00    8.51    4.25    YES
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L0008493 0 0.22222E-01 414663.6 3774959.1 151.1 0.00 8.51 4.25 YES
L0008494 0 0.22222E-01 414664.0 3774977.4 151.3 0.00 8.51 4.25 YES
*** AERMOD - VERSION 19191 *** *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0008495	0	0.22222E-01	414664.4	3774995.7	151.6	0.00	8.51	4.25	YES	
L0008496	0	0.22222E-01	414664.8	3775014.0	151.8	0.00	8.51	4.25	YES	
L0008497	0	0.22222E-01	414665.2	3775032.3	152.0	0.00	8.51	4.25	YES	
L0008498	0	0.22222E-01	414665.6	3775050.5	152.3	0.00	8.51	4.25	YES	
L0008499	0	0.22222E-01	414666.0	3775068.8	152.5	0.00	8.51	4.25	YES	
L0008500	0	0.22222E-01	414666.4	3775087.1	152.7	0.00	8.51	4.25	YES	
L0008386	0	0.14286E-01	414646.8	3774283.6	144.2	0.00	8.51	4.25	YES	
L0008387	0	0.14286E-01	414647.1	3774301.9	144.4	0.00	8.51	4.25	YES	
L0008388	0	0.14286E-01	414647.3	3774320.2	144.6	0.00	8.51	4.25	YES	
L0008389	0	0.14286E-01	414647.6	3774338.4	144.8	0.00	8.51	4.25	YES	
L0008390	0	0.14286E-01	414647.9	3774356.7	145.0	0.00	8.51	4.25	YES	
L0008391	0	0.14286E-01	414648.1	3774375.0	145.2	0.00	8.51	4.25	YES	
L0008392	0	0.14286E-01	414648.4	3774393.3	145.2	0.00	8.51	4.25	YES	
L0008393	0	0.14286E-01	414644.0	3774407.0	145.2	0.00	8.51	4.25	YES	
L0008394	0	0.14286E-01	414625.7	3774407.3	145.2	0.00	8.51	4.25	YES	
L0008395	0	0.14286E-01	414607.4	3774407.5	145.1	0.00	8.51	4.25	YES	
L0008396	0	0.14286E-01	414589.1	3774407.7	145.1	0.00	8.51	4.25	YES	
L0008397	0	0.14286E-01	414570.8	3774408.0	145.1	0.00	8.51	4.25	YES	
L0008398	0	0.14286E-01	414552.6	3774408.2	145.0	0.00	8.51	4.25	YES	
L0008399	0	0.14286E-01	414534.3	3774408.5	145.0	0.00	8.51	4.25	YES	
L0008400	0	0.14286E-01	414516.0	3774408.7	144.9	0.00	8.51	4.25	YES	
L0008401	0	0.14286E-01	414497.7	3774409.0	144.9	0.00	8.51	4.25	YES	
L0008402	0	0.14286E-01	414479.4	3774409.2	144.9	0.00	8.51	4.25	YES	
L0008403	0	0.14286E-01	414461.1	3774409.4	144.8	0.00	8.51	4.25	YES	
L0008404	0	0.14286E-01	414442.8	3774409.7	144.8	0.00	8.51	4.25	YES	
L0008405	0	0.14286E-01	414424.6	3774409.9	144.8	0.00	8.51	4.25	YES	
L0008406	0	0.14286E-01	414406.3	3774410.2	144.7	0.00	8.51	4.25	YES	
L0008407	0	0.14286E-01	414388.0	3774410.4	144.7	0.00	8.51	4.25	YES	
L0008408	0	0.14286E-01	414369.7	3774410.6	144.7	0.00	8.51	4.25	YES	
L0008409	0	0.14286E-01	414351.4	3774410.9	144.7	0.00	8.51	4.25	YES	
L0008410	0	0.14286E-01	414333.1	3774411.1	144.7	0.00	8.51	4.25	YES	
L0008411	0	0.14286E-01	414314.8	3774411.4	144.6	0.00	8.51	4.25	YES	
L0008412	0	0.14286E-01	414296.6	3774411.6	144.5	0.00	8.51	4.25	YES	
L0008413	0	0.14286E-01	414278.3	3774411.9	144.5	0.00	8.51	4.25	YES	
L0008414	0	0.14286E-01	414260.0	3774412.1	144.4	0.00	8.51	4.25	YES	
L0008415	0	0.14286E-01	414241.7	3774412.3	144.4	0.00	8.51	4.25	YES	
L0008416	0	0.14286E-01	414223.4	3774412.6	144.4	0.00	8.51	4.25	YES	
L0008417	0	0.14286E-01	414205.1	3774412.8	144.3	0.00	8.51	4.25	YES	
L0008418	0	0.14286E-01	414186.8	3774413.1	144.3	0.00	8.51	4.25	YES	
L0008419	0	0.14286E-01	414168.5	3774413.3	144.2	0.00	8.51	4.25	YES	

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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0008420	0	0.14286E-01	414150.3	3774413.5	144.2	0.00	8.51	4.25	YES	
L0008421	0	0.14286E-01	414132.0	3774413.8	144.1	0.00	8.51	4.25	YES	
L0008422	0	0.14286E-01	414113.7	3774414.0	144.2	0.00	8.51	4.25	YES	
L0008423	0	0.14286E-01	414095.4	3774414.3	144.1	0.00	8.51	4.25	YES	
L0008424	0	0.14286E-01	414077.1	3774414.5	144.1	0.00	8.51	4.25	YES	
L0008425	0	0.14286E-01	414058.8	3774414.8	144.0	0.00	8.51	4.25	YES	
L0008426	0	0.14286E-01	414040.5	3774415.0	144.0	0.00	8.51	4.25	YES	
L0008427	0	0.14286E-01	414022.3	3774415.2	143.9	0.00	8.51	4.25	YES	
L0008428	0	0.14286E-01	414004.0	3774415.5	143.8	0.00	8.51	4.25	YES	
L0008429	0	0.14286E-01	413985.7	3774415.7	143.8	0.00	8.51	4.25	YES	
L0008430	0	0.14286E-01	413967.4	3774416.0	143.7	0.00	8.51	4.25	YES	
L0008431	0	0.14286E-01	413949.1	3774416.2	143.6	0.00	8.51	4.25	YES	
L0008432	0	0.14286E-01	413930.8	3774416.4	143.6	0.00	8.51	4.25	YES	
L0008433	0	0.14286E-01	413912.5	3774416.7	143.5	0.00	8.51	4.25	YES	
L0008434	0	0.14286E-01	413894.3	3774416.9	143.4	0.00	8.51	4.25	YES	
L0008435	0	0.14286E-01	413876.0	3774417.2	143.3	0.00	8.51	4.25	YES	
L0008436	0	0.14286E-01	413857.7	3774417.4	143.2	0.00	8.51	4.25	YES	
L0008437	0	0.14286E-01	413839.4	3774417.7	143.3	0.00	8.51	4.25	YES	
L0008438	0	0.14286E-01	413821.1	3774417.9	143.1	0.00	8.51	4.25	YES	
L0008439	0	0.14286E-01	413802.8	3774418.1	143.0	0.00	8.51	4.25	YES	
L0008440	0	0.14286E-01	413784.5	3774418.4	142.9	0.00	8.51	4.25	YES	
L0008441	0	0.14286E-01	413766.2	3774418.6	142.9	0.00	8.51	4.25	YES	
L0008442	0	0.14286E-01	413748.0	3774418.9	142.9	0.00	8.51	4.25	YES	
L0008443	0	0.14286E-01	413729.7	3774419.1	142.9	0.00	8.51	4.25	YES	
L0008444	0	0.14286E-01	413711.4	3774419.3	142.9	0.00	8.51	4.25	YES	
L0008445	0	0.14286E-01	413693.1	3774419.6	142.8	0.00	8.51	4.25	YES	
L0008446	0	0.14286E-01	413674.8	3774419.8	142.7	0.00	8.51	4.25	YES	
L0008447	0	0.14286E-01	413656.5	3774420.1	142.7	0.00	8.51	4.25	YES	
L0008448	0	0.14286E-01	413638.2	3774420.3	142.7	0.00	8.51	4.25	YES	
L0008449	0	0.14286E-01	413620.0	3774420.6	142.7	0.00	8.51	4.25	YES	
L0008450	0	0.14286E-01	413601.7	3774420.8	142.6	0.00	8.51	4.25	YES	
L0008451	0	0.14286E-01	413583.4	3774421.0	142.6	0.00	8.51	4.25	YES	
L0008452	0	0.14286E-01	413565.1	3774421.3	142.6	0.00	8.51	4.25	YES	
L0008453	0	0.14286E-01	413546.8	3774421.5	142.5	0.00	8.51	4.25	YES	
L0008454	0	0.14286E-01	413528.5	3774421.8	142.5	0.00	8.51	4.25	YES	
L0008455	0	0.14286E-01	413510.2	3774422.0	142.5	0.00	8.51	4.25	YES	
L0008501	0	0.23866E-02	414381.5	3774283.7	144.0	1.83	1.70	1.70	YES	
L0008502	0	0.23866E-02	414381.5	3774280.1	144.0	1.83	1.70	1.70	YES	
L0008503	0	0.23866E-02	414381.6	3774276.4	144.0	1.83	1.70	1.70	YES	
L0008504	0	0.23866E-02	414381.6	3774272.7	144.0	1.83	1.70	1.70	YES	

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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0008505	0	0.23866E-02	414381.6	3774269.1	144.0	1.83	1.70	1.70	YES	
L0008506	0	0.23866E-02	414381.6	3774265.4	144.0	1.83	1.70	1.70	YES	
L0008507	0	0.23866E-02	414381.6	3774261.8	144.0	1.83	1.70	1.70	YES	
L0008508	0	0.23866E-02	414381.7	3774258.1	144.0	1.83	1.70	1.70	YES	
L0008509	0	0.23866E-02	414381.7	3774254.4	144.0	1.83	1.70	1.70	YES	
L0008510	0	0.23866E-02	414381.7	3774250.8	144.0	1.83	1.70	1.70	YES	
L0008511	0	0.23866E-02	414381.7	3774247.1	144.0	1.83	1.70	1.70	YES	
L0008512	0	0.23866E-02	414381.7	3774243.5	144.0	1.83	1.70	1.70	YES	
L0008513	0	0.23866E-02	414381.8	3774239.8	144.0	1.83	1.70	1.70	YES	
L0008514	0	0.23866E-02	414381.8	3774236.2	144.0	1.83	1.70	1.70	YES	
L0008515	0	0.23866E-02	414381.8	3774232.5	144.0	1.83	1.70	1.70	YES	
L0008516	0	0.23866E-02	414381.8	3774228.8	144.0	1.83	1.70	1.70	YES	
L0008517	0	0.23866E-02	414381.8	3774225.2	144.0	1.83	1.70	1.70	YES	
L0008518	0	0.23866E-02	414381.9	3774221.5	144.0	1.83	1.70	1.70	YES	
L0008519	0	0.23866E-02	414381.9	3774217.9	144.0	1.83	1.70	1.70	YES	
L0008520	0	0.23866E-02	414381.9	3774214.2	144.0	1.83	1.70	1.70	YES	
L0008521	0	0.23866E-02	414381.9	3774210.6	144.0	1.83	1.70	1.70	YES	
L0008522	0	0.23866E-02	414381.9	3774206.9	144.0	1.83	1.70	1.70	YES	
L0008523	0	0.23866E-02	414382.0	3774203.2	144.0	1.83	1.70	1.70	YES	
L0008524	0	0.23866E-02	414382.0	3774199.6	144.0	1.83	1.70	1.70	YES	
L0008525	0	0.23866E-02	414382.0	3774195.9	144.0	1.83	1.70	1.70	YES	
L0008526	0	0.23866E-02	414382.0	3774192.3	144.0	1.83	1.70	1.70	YES	
L0008527	0	0.23866E-02	414382.0	3774188.6	144.0	1.83	1.70	1.70	YES	
L0008528	0	0.23866E-02	414382.1	3774185.0	144.0	1.83	1.70	1.70	YES	
L0008529	0	0.23866E-02	414382.1	3774181.3	144.0	1.83	1.70	1.70	YES	
L0008530	0	0.23866E-02	414382.1	3774177.6	144.0	1.83	1.70	1.70	YES	
L0008531	0	0.23866E-02	414382.1	3774174.0	144.0	1.83	1.70	1.70	YES	
L0008532	0	0.23866E-02	414382.1	3774170.3	144.0	1.83	1.70	1.70	YES	
L0008533	0	0.23866E-02	414382.2	3774166.7	144.0	1.83	1.70	1.70	YES	
L0008534	0	0.23866E-02	414382.2	3774163.0	144.0	1.83	1.70	1.70	YES	
L0008535	0	0.23866E-02	414382.2	3774159.4	144.0	1.83	1.70	1.70	YES	
L0008536	0	0.23866E-02	414382.2	3774155.7	144.0	1.83	1.70	1.70	YES	
L0008537	0	0.23866E-02	414382.2	3774152.0	144.0	1.83	1.70	1.70	YES	
L0008538	0	0.23866E-02	414382.3	3774148.4	144.0	1.83	1.70	1.70	YES	
L0008539	0	0.23866E-02	414382.3	3774144.7	144.0	1.83	1.70	1.70	YES	
L0008540	0	0.23866E-02	414382.3	3774141.1	144.0	1.83	1.70	1.70	YES	
L0008541	0	0.23866E-02	414382.3	3774137.4	144.0	1.83	1.70	1.70	YES	
L0008542	0	0.23866E-02	414382.3	3774133.8	144.0	1.83	1.70	1.70	YES	
L0008543	0	0.23866E-02	414382.4	3774130.1	144.0	1.83	1.70	1.70	YES	
L0008544	0	0.23866E-02	414382.4	3774126.4	144.0	1.83	1.70	1.70	YES	

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*** 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 SCALAR VARY BY
L0008545	0	0.23866E-02	414382.4	3774122.8	144.0	1.83	1.70	1.70	YES	
L0008546	0	0.23866E-02	414382.4	3774119.1	144.0	1.83	1.70	1.70	YES	
L0008547	0	0.23866E-02	414382.4	3774115.5	144.0	1.83	1.70	1.70	YES	
L0008548	0	0.23866E-02	414382.5	3774111.8	144.0	1.83	1.70	1.70	YES	
L0008549	0	0.23866E-02	414382.5	3774108.1	144.0	1.83	1.70	1.70	YES	
L0008550	0	0.23866E-02	414382.5	3774104.5	144.0	1.83	1.70	1.70	YES	
L0008551	0	0.23866E-02	414382.5	3774100.8	144.0	1.83	1.70	1.70	YES	
L0008552	0	0.23866E-02	414382.5	3774097.2	144.0	1.83	1.70	1.70	YES	
L0008553	0	0.23866E-02	414382.6	3774093.5	144.0	1.83	1.70	1.70	YES	
L0008554	0	0.23866E-02	414382.6	3774089.9	144.0	1.83	1.70	1.70	YES	
L0008555	0	0.23866E-02	414382.6	3774086.2	144.0	1.83	1.70	1.70	YES	
L0008556	0	0.23866E-02	414382.6	3774082.5	144.0	1.83	1.70	1.70	YES	
L0008557	0	0.23866E-02	414382.6	3774078.9	144.0	1.83	1.70	1.70	YES	
L0008558	0	0.23866E-02	414382.7	3774075.2	144.0	1.83	1.70	1.70	YES	
L0008559	0	0.23866E-02	414382.7	3774071.6	144.0	1.83	1.70	1.70	YES	
L0008560	0	0.23866E-02	414382.7	3774067.9	144.0	1.83	1.70	1.70	YES	
L0008561	0	0.23866E-02	414382.7	3774064.3	144.0	1.83	1.70	1.70	YES	
L0008562	0	0.23866E-02	414382.7	3774060.6	144.0	1.83	1.70	1.70	YES	
L0008563	0	0.23866E-02	414382.8	3774056.9	144.0	1.83	1.70	1.70	YES	
L0008564	0	0.23866E-02	414382.8	3774053.3	144.0	1.83	1.70	1.70	YES	
L0008565	0	0.23866E-02	414382.8	3774049.6	144.0	1.83	1.70	1.70	YES	
L0008566	0	0.23866E-02	414382.8	3774046.0	144.0	1.83	1.70	1.70	YES	
L0008567	0	0.23866E-02	414382.8	3774042.3	144.0	1.83	1.70	1.70	YES	
L0008568	0	0.23866E-02	414382.9	3774038.7	144.0	1.83	1.70	1.70	YES	
L0008569	0	0.23866E-02	414382.9	3774035.0	144.0	1.83	1.70	1.70	YES	
L0008570	0	0.23866E-02	414382.9	3774031.3	144.0	1.83	1.70	1.70	YES	
L0008571	0	0.23866E-02	414382.9	3774027.7	144.0	1.83	1.70	1.70	YES	
L0008572	0	0.23866E-02	414382.9	3774024.0	144.0	1.83	1.70	1.70	YES	
L0008573	0	0.23866E-02	414383.0	3774020.4	144.0	1.83	1.70	1.70	YES	
L0008574	0	0.23866E-02	414383.0	3774016.7	144.0	1.83	1.70	1.70	YES	
L0008575	0	0.23866E-02	414383.0	3774013.1	144.0	1.83	1.70	1.70	YES	
L0008576	0	0.23866E-02	414383.0	3774009.4	144.0	1.83	1.70	1.70	YES	
L0008577	0	0.23866E-02	414383.0	3774005.7	144.0	1.83	1.70	1.70	YES	
L0008578	0	0.23866E-02	414383.1	3774002.1	144.0	1.83	1.70	1.70	YES	
L0008579	0	0.23866E-02	414383.1	3773998.4	144.0	1.83	1.70	1.70	YES	
L0008580	0	0.23866E-02	414383.1	3773994.8	144.0	1.83	1.70	1.70	YES	
L0008581	0	0.23866E-02	414383.1	3773991.1	144.0	1.83	1.70	1.70	YES	
L0008582	0	0.23866E-02	414383.1	3773987.4	144.0	1.83	1.70	1.70	YES	
L0008583	0	0.23866E-02	414383.2	3773983.8	144.0	1.83	1.70	1.70	YES	
L0008584	0	0.23866E-02	414383.2	3773980.1	144.0	1.83	1.70	1.70	YES	

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*** 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 SCALAR VARY BY
L0008585	0	0.23866E-02	414383.2	3773976.5	144.0	1.83	1.70	1.70	YES	
L0008586	0	0.23866E-02	414383.2	3773972.8	144.0	1.83	1.70	1.70	YES	
L0008587	0	0.23866E-02	414383.2	3773969.2	144.0	1.83	1.70	1.70	YES	
L0008588	0	0.23866E-02	414383.3	3773965.5	144.0	1.83	1.70	1.70	YES	
L0008589	0	0.23866E-02	414383.3	3773961.8	144.0	1.83	1.70	1.70	YES	
L0008590	0	0.23866E-02	414383.3	3773958.2	144.0	1.83	1.70	1.70	YES	
L0008591	0	0.23866E-02	414383.3	3773954.5	144.0	1.83	1.70	1.70	YES	
L0008592	0	0.23866E-02	414385.2	3773952.7	144.0	1.83	1.70	1.70	YES	
L0008593	0	0.23866E-02	414388.9	3773952.7	144.0	1.83	1.70	1.70	YES	
L0008594	0	0.23866E-02	414392.5	3773952.6	144.0	1.83	1.70	1.70	YES	
L0008595	0	0.23866E-02	414396.2	3773952.6	144.0	1.83	1.70	1.70	YES	
L0008596	0	0.23866E-02	414399.9	3773952.5	144.0	1.83	1.70	1.70	YES	
L0008597	0	0.23866E-02	414403.5	3773952.4	144.0	1.83	1.70	1.70	YES	
L0008598	0	0.23866E-02	414407.2	3773952.4	144.0	1.83	1.70	1.70	YES	
L0008599	0	0.23866E-02	414410.8	3773952.3	144.0	1.83	1.70	1.70	YES	
L0008600	0	0.23866E-02	414414.5	3773952.3	144.0	1.83	1.70	1.70	YES	
L0008601	0	0.23866E-02	414418.1	3773952.2	144.0	1.83	1.70	1.70	YES	
L0008602	0	0.23866E-02	414421.8	3773952.1	144.0	1.83	1.70	1.70	YES	
L0008603	0	0.23866E-02	414425.5	3773952.1	144.0	1.83	1.70	1.70	YES	
L0008604	0	0.23866E-02	414429.1	3773952.0	144.0	1.83	1.70	1.70	YES	
L0008605	0	0.23866E-02	414432.8	3773952.0	144.0	1.83	1.70	1.70	YES	
L0008606	0	0.23866E-02	414436.4	3773951.9	144.0	1.83	1.70	1.70	YES	
L0008607	0	0.23866E-02	414440.1	3773951.8	144.0	1.83	1.70	1.70	YES	
L0008608	0	0.23866E-02	414443.7	3773951.8	144.0	1.83	1.70	1.70	YES	
L0008609	0	0.23866E-02	414447.4	3773951.7	144.0	1.83	1.70	1.70	YES	
L0008610	0	0.23866E-02	414451.1	3773951.6	144.0	1.83	1.70	1.70	YES	
L0008611	0	0.23866E-02	414454.7	3773951.6	144.0	1.83	1.70	1.70	YES	
L0008612	0	0.23866E-02	414456.2	3773953.7	144.0	1.83	1.70	1.70	YES	
L0008613	0	0.23866E-02	414456.1	3773957.4	144.0	1.83	1.70	1.70	YES	
L0008614	0	0.23866E-02	414456.1	3773961.1	144.0	1.83	1.70	1.70	YES	
L0008615	0	0.23866E-02	414456.0	3773964.7	144.0	1.83	1.70	1.70	YES	
L0008616	0	0.23866E-02	414456.0	3773968.4	144.0	1.83	1.70	1.70	YES	
L0008617	0	0.23866E-02	414455.9	3773972.0	144.0	1.83	1.70	1.70	YES	
L0008618	0	0.23866E-02	414455.9	3773975.7	144.0	1.83	1.70	1.70	YES	
L0008619	0	0.23866E-02	414455.8	3773979.3	144.0	1.83	1.70	1.70	YES	
L0008620	0	0.23866E-02	414455.8	3773983.0	144.0	1.83	1.70	1.70	YES	
L0008621	0	0.23866E-02	414455.7	3773986.7	144.0	1.83	1.70	1.70	YES	
L0008622	0	0.23866E-02	414455.7	3773990.3	144.0	1.83	1.70	1.70	YES	
L0008623	0	0.23866E-02	414455.6	3773994.0	144.0	1.83	1.70	1.70	YES	
L0008624	0	0.23866E-02	414455.6	3773997.6	144.0	1.83	1.70	1.70	YES	

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	PART. CATS.	NUMBER EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0008625	0	0.23866E-02	414455.6	3774001.3	144.0	1.83	1.70	1.70	YES	
L0008626	0	0.23866E-02	414455.5	3774004.9	144.0	1.83	1.70	1.70	YES	
L0008627	0	0.23866E-02	414455.5	3774008.6	144.0	1.83	1.70	1.70	YES	
L0008628	0	0.23866E-02	414455.4	3774012.3	144.0	1.83	1.70	1.70	YES	
L0008629	0	0.23866E-02	414455.4	3774015.9	144.0	1.83	1.70	1.70	YES	
L0008630	0	0.23866E-02	414455.3	3774019.6	144.0	1.83	1.70	1.70	YES	
L0008631	0	0.23866E-02	414455.3	3774023.2	144.0	1.83	1.70	1.70	YES	
L0008632	0	0.23866E-02	414455.2	3774026.9	144.0	1.83	1.70	1.70	YES	
L0008633	0	0.23866E-02	414455.2	3774030.5	144.0	1.83	1.70	1.70	YES	
L0008634	0	0.23866E-02	414455.1	3774034.2	144.0	1.83	1.70	1.70	YES	
L0008635	0	0.23866E-02	414455.1	3774037.9	144.0	1.83	1.70	1.70	YES	
L0008636	0	0.23866E-02	414455.0	3774041.5	144.0	1.83	1.70	1.70	YES	
L0008637	0	0.23866E-02	414455.0	3774045.2	144.0	1.83	1.70	1.70	YES	
L0008638	0	0.23866E-02	414454.9	3774048.8	144.0	1.83	1.70	1.70	YES	
L0008639	0	0.23866E-02	414454.9	3774052.5	144.0	1.83	1.70	1.70	YES	
L0008640	0	0.23866E-02	414454.8	3774056.1	144.0	1.83	1.70	1.70	YES	
L0008641	0	0.23866E-02	414454.8	3774059.8	144.0	1.83	1.70	1.70	YES	
L0008642	0	0.23866E-02	414454.7	3774063.5	144.0	1.83	1.70	1.70	YES	
L0008643	0	0.23866E-02	414454.7	3774067.1	144.0	1.83	1.70	1.70	YES	
L0008644	0	0.23866E-02	414454.7	3774070.8	144.0	1.83	1.70	1.70	YES	
L0008645	0	0.23866E-02	414454.6	3774074.4	144.0	1.83	1.70	1.70	YES	
L0008646	0	0.23866E-02	414454.6	3774078.1	144.0	1.83	1.70	1.70	YES	
L0008647	0	0.23866E-02	414454.5	3774081.7	144.0	1.83	1.70	1.70	YES	
L0008648	0	0.23866E-02	414454.5	3774085.4	144.0	1.83	1.70	1.70	YES	
L0008649	0	0.23866E-02	414454.4	3774089.1	144.0	1.83	1.70	1.70	YES	
L0008650	0	0.23866E-02	414454.4	3774092.7	144.0	1.83	1.70	1.70	YES	
L0008651	0	0.23866E-02	414454.3	3774096.4	144.0	1.83	1.70	1.70	YES	
L0008652	0	0.23866E-02	414454.3	3774100.0	144.0	1.83	1.70	1.70	YES	
L0008653	0	0.23866E-02	414454.2	3774103.7	144.0	1.83	1.70	1.70	YES	
L0008654	0	0.23866E-02	414454.2	3774107.3	144.0	1.83	1.70	1.70	YES	
L0008655	0	0.23866E-02	414454.1	3774111.0	144.0	1.83	1.70	1.70	YES	
L0008656	0	0.23866E-02	414454.1	3774114.7	144.0	1.83	1.70	1.70	YES	
L0008657	0	0.23866E-02	414454.0	3774118.3	144.0	1.83	1.70	1.70	YES	
L0008658	0	0.23866E-02	414454.0	3774122.0	144.0	1.83	1.70	1.70	YES	
L0008659	0	0.23866E-02	414453.9	3774125.6	144.0	1.83	1.70	1.70	YES	
L0008660	0	0.23866E-02	414453.9	3774129.3	144.0	1.83	1.70	1.70	YES	
L0008661	0	0.23866E-02	414453.8	3774132.9	144.0	1.83	1.70	1.70	YES	
L0008662	0	0.23866E-02	414453.8	3774136.6	144.0	1.83	1.70	1.70	YES	
L0008663	0	0.23866E-02	414453.8	3774140.3	144.0	1.83	1.70	1.70	YES	
L0008664	0	0.23866E-02	414453.7	3774143.9	144.0	1.83	1.70	1.70	YES	

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	PART. CATS.	NUMBER EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY

ID	CATS.	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	BY
L0008665	0	0.23866E-02	414453.7	3774147.6	144.0	1.83	1.70	1.70 YES
L0008666	0	0.23866E-02	414453.6	3774151.2	144.0	1.83	1.70	1.70 YES
L0008667	0	0.23866E-02	414453.6	3774154.9	144.0	1.83	1.70	1.70 YES
L0008668	0	0.23866E-02	414453.5	3774158.5	144.0	1.83	1.70	1.70 YES
L0008669	0	0.23866E-02	414453.5	3774162.2	144.0	1.83	1.70	1.70 YES
L0008670	0	0.23866E-02	414453.4	3774165.9	144.0	1.83	1.70	1.70 YES
L0008671	0	0.23866E-02	414453.4	3774169.5	144.0	1.83	1.70	1.70 YES
L0008672	0	0.23866E-02	414453.3	3774173.2	144.0	1.83	1.70	1.70 YES
L0008673	0	0.23866E-02	414453.3	3774176.8	144.0	1.83	1.70	1.70 YES
L0008674	0	0.23866E-02	414453.2	3774180.5	144.0	1.83	1.70	1.70 YES
L0008675	0	0.23866E-02	414453.2	3774184.2	144.0	1.83	1.70	1.70 YES
L0008676	0	0.23866E-02	414453.1	3774187.8	144.0	1.83	1.70	1.70 YES
L0008677	0	0.23866E-02	414453.1	3774191.5	144.0	1.83	1.70	1.70 YES
L0008678	0	0.23866E-02	414453.0	3774195.1	144.0	1.83	1.70	1.70 YES
L0008679	0	0.23866E-02	414453.0	3774198.8	144.0	1.83	1.70	1.70 YES
L0008680	0	0.23866E-02	414452.9	3774202.4	144.0	1.83	1.70	1.70 YES
L0008681	0	0.23866E-02	414452.9	3774206.1	144.0	1.83	1.70	1.70 YES
L0008682	0	0.23866E-02	414452.9	3774209.8	144.0	1.83	1.70	1.70 YES
L0008683	0	0.23866E-02	414452.8	3774213.4	144.0	1.83	1.70	1.70 YES
L0008684	0	0.23866E-02	414452.8	3774217.1	144.0	1.83	1.70	1.70 YES
L0008685	0	0.23866E-02	414452.7	3774220.7	144.0	1.83	1.70	1.70 YES
L0008686	0	0.23866E-02	414452.7	3774224.4	144.0	1.83	1.70	1.70 YES
L0008687	0	0.23866E-02	414452.6	3774228.0	144.0	1.83	1.70	1.70 YES
L0008688	0	0.23866E-02	414452.6	3774231.7	144.0	1.83	1.70	1.70 YES
L0008689	0	0.23866E-02	414452.5	3774235.4	144.0	1.83	1.70	1.70 YES
L0008690	0	0.23866E-02	414452.5	3774239.0	144.0	1.83	1.70	1.70 YES
L0008691	0	0.23866E-02	414452.4	3774242.7	144.0	1.83	1.70	1.70 YES
L0008692	0	0.23866E-02	414452.4	3774246.3	144.0	1.83	1.70	1.70 YES
L0008693	0	0.23866E-02	414452.3	3774250.0	144.0	1.83	1.70	1.70 YES
L0008694	0	0.23866E-02	414452.3	3774253.6	144.0	1.83	1.70	1.70 YES
L0008695	0	0.23866E-02	414452.2	3774257.3	144.0	1.83	1.70	1.70 YES
L0008696	0	0.23866E-02	414452.2	3774261.0	144.0	1.83	1.70	1.70 YES
L0008697	0	0.23866E-02	414452.1	3774264.6	144.0	1.83	1.70	1.70 YES
L0008698	0	0.23866E-02	414452.1	3774268.3	144.0	1.83	1.70	1.70 YES
L0008699	0	0.23866E-02	414452.0	3774271.9	144.0	1.83	1.70	1.70 YES
L0008700	0	0.23866E-02	414452.0	3774275.6	144.0	1.83	1.70	1.70 YES
L0008701	0	0.23866E-02	414452.0	3774279.2	144.0	1.83	1.70	1.70 YES
L0008702	0	0.23866E-02	414454.8	3774280.0	144.0	1.83	1.70	1.70 YES
L0008703	0	0.23866E-02	414458.4	3774279.9	144.0	1.83	1.70	1.70 YES
L0008704	0	0.23866E-02	414462.1	3774279.8	144.0	1.83	1.70	1.70 YES

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*** 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 SCALAR VARY BY

L0008705	0	0.23866E-02	414465.7	3774279.7	144.0	1.83	1.70	1.70	YES
L0008706	0	0.23866E-02	414469.4	3774279.6	144.0	1.83	1.70	1.70	YES
L0008707	0	0.23866E-02	414473.0	3774279.5	144.0	1.83	1.70	1.70	YES
L0008708	0	0.23866E-02	414476.7	3774279.4	144.0	1.83	1.70	1.70	YES
L0008709	0	0.23866E-02	414480.4	3774279.3	144.0	1.83	1.70	1.70	YES
L0008710	0	0.23866E-02	414484.0	3774279.2	144.0	1.83	1.70	1.70	YES
L0008711	0	0.23866E-02	414487.7	3774279.1	144.0	1.83	1.70	1.70	YES
L0008712	0	0.23866E-02	414491.3	3774279.1	144.0	1.83	1.70	1.70	YES
L0008713	0	0.23866E-02	414495.0	3774279.0	144.0	1.83	1.70	1.70	YES
L0008714	0	0.23866E-02	414498.6	3774278.9	144.0	1.83	1.70	1.70	YES
L0008715	0	0.23866E-02	414502.3	3774278.8	144.0	1.83	1.70	1.70	YES
L0008716	0	0.23866E-02	414506.0	3774278.7	144.0	1.83	1.70	1.70	YES
L0008717	0	0.23866E-02	414509.6	3774278.6	144.0	1.83	1.70	1.70	YES
L0008718	0	0.23866E-02	414513.3	3774278.5	144.0	1.83	1.70	1.70	YES
L0008719	0	0.23866E-02	414516.9	3774278.4	144.0	1.83	1.70	1.70	YES
L0008720	0	0.23866E-02	414520.6	3774278.3	144.0	1.83	1.70	1.70	YES
L0008721	0	0.23866E-02	414522.4	3774276.4	144.0	1.83	1.70	1.70	YES
L0008722	0	0.23866E-02	414522.4	3774272.7	144.0	1.83	1.70	1.70	YES
L0008723	0	0.23866E-02	414522.3	3774269.1	144.0	1.83	1.70	1.70	YES
L0008724	0	0.23866E-02	414522.3	3774265.4	144.0	1.83	1.70	1.70	YES
L0008725	0	0.23866E-02	414522.3	3774261.8	144.0	1.83	1.70	1.70	YES
L0008726	0	0.23866E-02	414522.3	3774258.1	144.0	1.83	1.70	1.70	YES
L0008727	0	0.23866E-02	414522.3	3774254.4	144.0	1.83	1.70	1.70	YES
L0008728	0	0.23866E-02	414522.3	3774250.8	144.0	1.83	1.70	1.70	YES
L0008729	0	0.23866E-02	414522.3	3774247.1	144.0	1.83	1.70	1.70	YES
L0008730	0	0.23866E-02	414522.3	3774243.5	144.0	1.83	1.70	1.70	YES
L0008731	0	0.23866E-02	414522.2	3774239.8	144.0	1.83	1.70	1.70	YES
L0008732	0	0.23866E-02	414522.2	3774236.2	144.0	1.83	1.70	1.70	YES
L0008733	0	0.23866E-02	414522.2	3774232.5	144.0	1.83	1.70	1.70	YES
L0008734	0	0.23866E-02	414522.2	3774228.8	144.0	1.83	1.70	1.70	YES
L0008735	0	0.23866E-02	414522.2	3774225.2	144.0	1.83	1.70	1.70	YES
L0008736	0	0.23866E-02	414522.2	3774221.5	144.0	1.83	1.70	1.70	YES
L0008737	0	0.23866E-02	414522.2	3774217.9	144.0	1.83	1.70	1.70	YES
L0008738	0	0.23866E-02	414522.1	3774214.2	144.0	1.83	1.70	1.70	YES
L0008739	0	0.23866E-02	414522.1	3774210.6	144.0	1.83	1.70	1.70	YES
L0008740	0	0.23866E-02	414522.1	3774206.9	144.0	1.83	1.70	1.70	YES
L0008741	0	0.23866E-02	414522.1	3774203.2	144.0	1.83	1.70	1.70	YES
L0008742	0	0.23866E-02	414522.1	3774199.6	144.0	1.83	1.70	1.70	YES
L0008743	0	0.23866E-02	414522.1	3774195.9	144.0	1.83	1.70	1.70	YES
L0008744	0	0.23866E-02	414522.1	3774192.3	144.0	1.83	1.70	1.70	YES

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*** 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 SCALAR VARY BY
L0008745	0	0.23866E-02	414522.0	3774188.6	144.0	1.83	1.70	1.70	YES	
L0008746	0	0.23866E-02	414522.0	3774185.0	144.0	1.83	1.70	1.70	YES	

L0008747	0	0.23866E-02	414522.0	3774181.3	144.0	1.83	1.70	1.70	YES
L0008748	0	0.23866E-02	414522.0	3774177.6	144.0	1.83	1.70	1.70	YES
L0008749	0	0.23866E-02	414522.0	3774174.0	144.0	1.83	1.70	1.70	YES
L0008750	0	0.23866E-02	414522.0	3774170.3	144.0	1.83	1.70	1.70	YES
L0008751	0	0.23866E-02	414522.0	3774166.7	144.0	1.83	1.70	1.70	YES
L0008752	0	0.23866E-02	414522.0	3774163.0	144.0	1.83	1.70	1.70	YES
L0008753	0	0.23866E-02	414521.9	3774159.4	144.0	1.83	1.70	1.70	YES
L0008754	0	0.23866E-02	414521.9	3774155.7	144.0	1.83	1.70	1.70	YES
L0008755	0	0.23866E-02	414521.9	3774152.0	144.0	1.83	1.70	1.70	YES
L0008756	0	0.23866E-02	414521.9	3774148.4	144.0	1.83	1.70	1.70	YES
L0008757	0	0.23866E-02	414521.9	3774144.7	144.0	1.83	1.70	1.70	YES
L0008758	0	0.23866E-02	414521.9	3774141.1	144.0	1.83	1.70	1.70	YES
L0008759	0	0.23866E-02	414521.9	3774137.4	144.0	1.83	1.70	1.70	YES
L0008760	0	0.23866E-02	414521.8	3774133.8	144.0	1.83	1.70	1.70	YES
L0008761	0	0.23866E-02	414521.8	3774130.1	144.0	1.83	1.70	1.70	YES
L0008762	0	0.23866E-02	414521.8	3774126.4	144.0	1.83	1.70	1.70	YES
L0008763	0	0.23866E-02	414521.8	3774122.8	144.0	1.83	1.70	1.70	YES
L0008764	0	0.23866E-02	414521.8	3774119.1	144.0	1.83	1.70	1.70	YES
L0008765	0	0.23866E-02	414521.8	3774115.5	144.0	1.83	1.70	1.70	YES
L0008766	0	0.23866E-02	414521.8	3774111.8	144.0	1.83	1.70	1.70	YES
L0008767	0	0.23866E-02	414521.8	3774108.1	144.0	1.83	1.70	1.70	YES
L0008768	0	0.23866E-02	414521.7	3774104.5	144.0	1.83	1.70	1.70	YES
L0008769	0	0.23866E-02	414521.7	3774100.8	144.0	1.83	1.70	1.70	YES
L0008770	0	0.23866E-02	414521.7	3774097.2	144.0	1.83	1.70	1.70	YES
L0008771	0	0.23866E-02	414521.7	3774093.5	144.0	1.83	1.70	1.70	YES
L0008772	0	0.23866E-02	414521.7	3774089.9	144.0	1.83	1.70	1.70	YES
L0008773	0	0.23866E-02	414521.7	3774086.2	144.0	1.83	1.70	1.70	YES
L0008774	0	0.23866E-02	414521.7	3774082.5	144.0	1.83	1.70	1.70	YES
L0008775	0	0.23866E-02	414521.6	3774078.9	144.0	1.83	1.70	1.70	YES
L0008776	0	0.23866E-02	414521.6	3774075.2	144.0	1.83	1.70	1.70	YES
L0008777	0	0.23866E-02	414521.6	3774071.6	144.0	1.83	1.70	1.70	YES
L0008778	0	0.23866E-02	414521.6	3774067.9	144.0	1.83	1.70	1.70	YES
L0008779	0	0.23866E-02	414521.6	3774064.3	144.0	1.83	1.70	1.70	YES
L0008780	0	0.23866E-02	414521.6	3774060.6	144.0	1.83	1.70	1.70	YES
L0008781	0	0.23866E-02	414521.6	3774056.9	144.0	1.83	1.70	1.70	YES
L0008782	0	0.23866E-02	414521.5	3774053.3	144.0	1.83	1.70	1.70	YES
L0008783	0	0.23866E-02	414521.5	3774049.6	144.0	1.83	1.70	1.70	YES
L0008784	0	0.23866E-02	414521.5	3774046.0	144.0	1.83	1.70	1.70	YES

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*** 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 SCALAR VARY BY
L0008785	0	0.23866E-02	414521.5	3774042.3	144.0	1.83	1.70	1.70	YES	
L0008786	0	0.23866E-02	414521.5	3774038.7	144.0	1.83	1.70	1.70	YES	
L0008787	0	0.23866E-02	414521.5	3774035.0	144.0	1.83	1.70	1.70	YES	
L0008788	0	0.23866E-02	414521.5	3774031.3	144.0	1.83	1.70	1.70	YES	

L0008789	0	0.23866E-02	414521.5	3774027.7	144.0	1.83	1.70	1.70	YES
L0008790	0	0.23866E-02	414521.4	3774024.0	144.0	1.83	1.70	1.70	YES
L0008791	0	0.23866E-02	414521.4	3774020.4	144.0	1.83	1.70	1.70	YES
L0008792	0	0.23866E-02	414521.4	3774016.7	144.0	1.83	1.70	1.70	YES
L0008793	0	0.23866E-02	414521.4	3774013.0	144.0	1.83	1.70	1.70	YES
L0008794	0	0.23866E-02	414521.4	3774009.4	144.0	1.83	1.70	1.70	YES
L0008795	0	0.23866E-02	414521.4	3774005.7	144.0	1.83	1.70	1.70	YES
L0008796	0	0.23866E-02	414521.4	3774002.1	144.0	1.83	1.70	1.70	YES
L0008797	0	0.23866E-02	414521.3	3773998.4	144.0	1.83	1.70	1.70	YES
L0008798	0	0.23866E-02	414521.3	3773994.8	144.0	1.83	1.70	1.70	YES
L0008799	0	0.23866E-02	414521.3	3773991.1	144.0	1.83	1.70	1.70	YES
L0008800	0	0.23866E-02	414521.3	3773987.4	144.0	1.83	1.70	1.70	YES
L0008801	0	0.23866E-02	414521.3	3773983.8	144.0	1.83	1.70	1.70	YES
L0008802	0	0.23866E-02	414521.3	3773980.1	144.0	1.83	1.70	1.70	YES
L0008803	0	0.23866E-02	414521.3	3773976.5	144.0	1.83	1.70	1.70	YES
L0008804	0	0.23866E-02	414521.2	3773972.8	144.0	1.83	1.70	1.70	YES
L0008805	0	0.23866E-02	414521.2	3773969.2	144.0	1.83	1.70	1.70	YES
L0008806	0	0.23866E-02	414521.2	3773965.5	144.0	1.83	1.70	1.70	YES
L0008807	0	0.23866E-02	414521.2	3773961.8	144.0	1.83	1.70	1.70	YES
L0008808	0	0.23866E-02	414521.2	3773958.2	144.0	1.83	1.70	1.70	YES
L0008809	0	0.23866E-02	414521.2	3773954.5	144.0	1.83	1.70	1.70	YES
L0008810	0	0.23866E-02	414521.9	3773951.6	144.0	1.83	1.70	1.70	YES
L0008811	0	0.23866E-02	414525.5	3773951.6	144.0	1.83	1.70	1.70	YES
L0008812	0	0.23866E-02	414529.2	3773951.7	144.0	1.83	1.70	1.70	YES
L0008813	0	0.23866E-02	414532.8	3773951.8	144.0	1.83	1.70	1.70	YES
L0008814	0	0.23866E-02	414536.5	3773951.8	144.0	1.83	1.70	1.70	YES
L0008815	0	0.23866E-02	414540.1	3773951.9	144.0	1.83	1.70	1.70	YES
L0008816	0	0.23866E-02	414543.8	3773951.9	144.0	1.83	1.70	1.70	YES
L0008817	0	0.23866E-02	414547.5	3773952.0	144.0	1.83	1.70	1.70	YES
L0008818	0	0.23866E-02	414551.1	3773952.1	144.0	1.83	1.70	1.70	YES
L0008819	0	0.23866E-02	414554.8	3773952.1	144.0	1.83	1.70	1.70	YES
L0008820	0	0.23866E-02	414558.4	3773952.2	144.0	1.83	1.70	1.70	YES
L0008821	0	0.23866E-02	414562.1	3773952.2	144.0	1.83	1.70	1.70	YES
L0008822	0	0.23866E-02	414565.7	3773952.3	144.0	1.83	1.70	1.70	YES
L0008823	0	0.23866E-02	414569.4	3773952.4	144.0	1.83	1.70	1.70	YES
L0008824	0	0.23866E-02	414573.1	3773952.4	144.0	1.83	1.70	1.70	YES

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*** 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 SCALAR VARY BY
L0008825	0	0.23866E-02	414576.7	3773952.5	144.0	1.83	1.70	1.70	YES	
L0008826	0	0.23866E-02	414580.4	3773952.5	144.0	1.83	1.70	1.70	YES	
L0008827	0	0.23866E-02	414584.0	3773952.6	144.0	1.83	1.70	1.70	YES	
L0008828	0	0.23866E-02	414587.7	3773952.7	144.0	1.83	1.70	1.70	YES	
L0008829	0	0.23866E-02	414591.3	3773952.7	144.0	1.83	1.70	1.70	YES	
L0008830	0	0.23866E-02	414594.6	3773953.1	144.0	1.83	1.70	1.70	YES	

L0008831	0	0.23866E-02	414594.5	3773956.8	144.0	1.83	1.70	1.70	YES
L0008832	0	0.23866E-02	414594.4	3773960.4	144.0	1.83	1.70	1.70	YES
L0008833	0	0.23866E-02	414594.3	3773964.1	144.0	1.83	1.70	1.70	YES
L0008834	0	0.23866E-02	414594.3	3773967.8	144.0	1.83	1.70	1.70	YES
L0008835	0	0.23866E-02	414594.2	3773971.4	144.0	1.83	1.70	1.70	YES
L0008836	0	0.23866E-02	414594.1	3773975.1	144.0	1.83	1.70	1.70	YES
L0008837	0	0.23866E-02	414594.0	3773978.7	144.0	1.83	1.70	1.70	YES
L0008838	0	0.23866E-02	414593.9	3773982.4	144.0	1.83	1.70	1.70	YES
L0008839	0	0.23866E-02	414593.8	3773986.0	144.0	1.83	1.70	1.70	YES
L0008840	0	0.23866E-02	414593.7	3773989.7	144.0	1.83	1.70	1.70	YES
L0008841	0	0.23866E-02	414593.6	3773993.4	144.0	1.83	1.70	1.70	YES
L0008842	0	0.23866E-02	414593.5	3773997.0	144.0	1.83	1.70	1.70	YES
L0008843	0	0.23866E-02	414593.4	3774000.7	144.0	1.83	1.70	1.70	YES
L0008844	0	0.23866E-02	414593.3	3774004.3	144.0	1.83	1.70	1.70	YES
L0008845	0	0.23866E-02	414593.2	3774008.0	144.0	1.83	1.70	1.70	YES
L0008846	0	0.23866E-02	414593.1	3774011.6	144.0	1.83	1.70	1.70	YES
L0008847	0	0.23866E-02	414593.0	3774015.3	144.0	1.83	1.70	1.70	YES
L0008848	0	0.23866E-02	414592.9	3774019.0	144.0	1.83	1.70	1.70	YES
L0008849	0	0.23866E-02	414592.8	3774022.6	144.0	1.83	1.70	1.70	YES
L0008850	0	0.23866E-02	414592.7	3774026.3	144.0	1.83	1.70	1.70	YES
L0008851	0	0.23866E-02	414592.6	3774029.9	144.0	1.83	1.70	1.70	YES
L0008852	0	0.23866E-02	414592.6	3774033.6	144.0	1.83	1.70	1.70	YES
L0008853	0	0.23866E-02	414592.5	3774037.2	144.0	1.83	1.70	1.70	YES
L0008854	0	0.23866E-02	414592.4	3774040.9	144.0	1.83	1.70	1.70	YES
L0008855	0	0.23866E-02	414592.3	3774044.5	144.0	1.83	1.70	1.70	YES
L0008856	0	0.23866E-02	414592.2	3774048.2	144.0	1.83	1.70	1.70	YES
L0008857	0	0.23866E-02	414592.1	3774051.9	144.0	1.83	1.70	1.70	YES
L0008858	0	0.23866E-02	414592.0	3774055.5	144.0	1.83	1.70	1.70	YES
L0008859	0	0.23866E-02	414591.9	3774059.2	144.0	1.83	1.70	1.70	YES
L0008860	0	0.23866E-02	414591.8	3774062.8	144.0	1.83	1.70	1.70	YES
L0008861	0	0.23866E-02	414591.7	3774066.5	144.0	1.83	1.70	1.70	YES
L0008862	0	0.23866E-02	414591.6	3774070.1	144.0	1.83	1.70	1.70	YES
L0008863	0	0.23866E-02	414591.5	3774073.8	144.0	1.83	1.70	1.70	YES
L0008864	0	0.23866E-02	414591.4	3774077.5	144.0	1.83	1.70	1.70	YES

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*** 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 SCALAR VARY BY
L0008865	0	0.23866E-02	414591.3	3774081.1	144.0	1.83	1.70	1.70	YES	
L0008866	0	0.23866E-02	414591.2	3774084.8	144.0	1.83	1.70	1.70	YES	
L0008867	0	0.23866E-02	414591.1	3774088.4	144.0	1.83	1.70	1.70	YES	
L0008868	0	0.23866E-02	414591.0	3774092.1	144.0	1.83	1.70	1.70	YES	
L0008869	0	0.23866E-02	414590.9	3774095.7	144.0	1.83	1.70	1.70	YES	
L0008870	0	0.23866E-02	414590.8	3774099.4	144.0	1.83	1.70	1.70	YES	
L0008871	0	0.23866E-02	414590.8	3774103.0	144.0	1.83	1.70	1.70	YES	
L0008872	0	0.23866E-02	414590.7	3774106.7	144.0	1.83	1.70	1.70	YES	

L0008873	0	0.23866E-02	414590.6	3774110.4	144.0	1.83	1.70	1.70	YES
L0008874	0	0.23866E-02	414590.5	3774114.0	144.0	1.83	1.70	1.70	YES
L0008875	0	0.23866E-02	414590.4	3774117.7	144.0	1.83	1.70	1.70	YES
L0008876	0	0.23866E-02	414590.3	3774121.3	144.0	1.83	1.70	1.70	YES
L0008877	0	0.23866E-02	414590.2	3774125.0	144.0	1.83	1.70	1.70	YES
L0008878	0	0.23866E-02	414590.1	3774128.6	144.0	1.83	1.70	1.70	YES
L0008879	0	0.23866E-02	414590.0	3774132.3	144.0	1.83	1.70	1.70	YES
L0008880	0	0.23866E-02	414589.9	3774136.0	144.0	1.83	1.70	1.70	YES
L0008881	0	0.23866E-02	414589.8	3774139.6	144.0	1.83	1.70	1.70	YES
L0008882	0	0.23866E-02	414589.7	3774143.3	144.0	1.83	1.70	1.70	YES
L0008883	0	0.23866E-02	414589.6	3774146.9	144.0	1.83	1.70	1.70	YES
L0008884	0	0.23866E-02	414589.5	3774150.6	144.0	1.83	1.70	1.70	YES
L0008885	0	0.23866E-02	414589.4	3774154.2	144.0	1.83	1.70	1.70	YES
L0008886	0	0.23866E-02	414589.3	3774157.9	144.0	1.83	1.70	1.70	YES
L0008887	0	0.23866E-02	414589.2	3774161.5	144.0	1.83	1.70	1.70	YES
L0008888	0	0.23866E-02	414589.1	3774165.2	144.0	1.83	1.70	1.70	YES
L0008889	0	0.23866E-02	414589.1	3774168.9	144.0	1.83	1.70	1.70	YES
L0008890	0	0.23866E-02	414589.0	3774172.5	144.0	1.83	1.70	1.70	YES
L0008891	0	0.23866E-02	414588.9	3774176.2	144.0	1.83	1.70	1.70	YES
L0008892	0	0.23866E-02	414588.8	3774179.8	144.0	1.83	1.70	1.70	YES
L0008893	0	0.23866E-02	414588.7	3774183.5	144.0	1.83	1.70	1.70	YES
L0008894	0	0.23866E-02	414588.6	3774187.1	144.0	1.83	1.70	1.70	YES
L0008895	0	0.23866E-02	414588.5	3774190.8	144.0	1.83	1.70	1.70	YES
L0008896	0	0.23866E-02	414588.4	3774194.5	144.0	1.83	1.70	1.70	YES
L0008897	0	0.23866E-02	414588.3	3774198.1	144.0	1.83	1.70	1.70	YES
L0008898	0	0.23866E-02	414588.2	3774201.8	144.0	1.83	1.70	1.70	YES
L0008899	0	0.23866E-02	414588.1	3774205.4	144.0	1.83	1.70	1.70	YES
L0008900	0	0.23866E-02	414588.0	3774209.1	144.0	1.83	1.70	1.70	YES
L0008901	0	0.23866E-02	414587.9	3774212.7	144.0	1.83	1.70	1.70	YES
L0008902	0	0.23866E-02	414587.8	3774216.4	144.0	1.83	1.70	1.70	YES
L0008903	0	0.23866E-02	414587.7	3774220.1	144.0	1.83	1.70	1.70	YES
L0008904	0	0.23866E-02	414587.6	3774223.7	144.0	1.83	1.70	1.70	YES

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*** 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 SCALAR VARY BY
L0008905	0	0.23866E-02	414587.5	3774227.4	144.0	1.83	1.70	1.70	YES	
L0008906	0	0.23866E-02	414587.4	3774231.0	144.0	1.83	1.70	1.70	YES	
L0008907	0	0.23866E-02	414587.3	3774234.7	144.0	1.83	1.70	1.70	YES	
L0008908	0	0.23866E-02	414587.3	3774238.3	144.0	1.83	1.70	1.70	YES	
L0008909	0	0.23866E-02	414587.2	3774242.0	144.0	1.83	1.70	1.70	YES	
L0008910	0	0.23866E-02	414587.1	3774245.6	144.0	1.83	1.70	1.70	YES	
L0008911	0	0.23866E-02	414587.0	3774249.3	144.0	1.83	1.70	1.70	YES	
L0008912	0	0.23866E-02	414586.9	3774253.0	144.0	1.83	1.70	1.70	YES	
L0008913	0	0.23866E-02	414586.8	3774256.6	144.0	1.83	1.70	1.70	YES	
L0008914	0	0.23866E-02	414586.7	3774260.3	144.0	1.83	1.70	1.70	YES	

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L0008915      0  0.23866E-02  414586.6 3774263.9  144.0    1.83    1.70    1.70    YES
L0008916      0  0.23866E-02  414586.5 3774267.6  144.0    1.83    1.70    1.70    YES
L0008917      0  0.23866E-02  414586.4 3774271.2  144.0    1.83    1.70    1.70    YES
L0008918      0  0.23866E-02  414586.3 3774274.9  144.0    1.83    1.70    1.70    YES
L0008919      0  0.23866E-02  414586.2 3774278.6  144.0    1.83    1.70    1.70    YES
*** AERMOD - VERSION  19191 ***   *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc
***       05/24/21
*** AERMET - VERSION  16216 ***   ***                                          ***       12:11:05
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*** MODELOPTs:   RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                              *** AREA SOURCE DATA ***

          NUMBER EMISSION RATE  COORD (SW CORNER)  BASE    RELEASE  X-DIM    Y-DIM    ORIENT.
INIT.  URBAN  EMISSION RATE
  SOURCE      PART.  (GRAMS/SEC      X        Y      ELEV.   HEIGHT  OF AREA  OF AREA  OF AREA    SZ
SOURCE  SCALAR  VARY
    ID        CATS.   /METER**2)   (METERS) (METERS) (METERS) (METERS) (METERS)  (METERS)   (DEG.)
(METERS)           BY
-------------------------------------------------------------------------------

AREA1         0  0.10000E+01  414398.0 3774235.0  146.2    1.83     5.00     5.00     0.00     0.00    YES
AREA9         0  0.10000E+01  414570.0 3774235.0  137.1    1.83     5.00     5.00     0.00     0.00    YES
AREA10        0  0.10000E+01  414570.0 3774200.0  128.4    1.83     5.00     5.00     0.00     0.00    YES
AREA11        0  0.10000E+01  414570.0 3774165.0  121.7    1.83     5.00     5.00     0.00     0.00    YES
AREA12        0  0.10000E+01  414570.0 3774130.0  107.4    1.83     5.00     5.00     0.00     0.00    YES
AREA13        0  0.10000E+01  414570.0 3774095.0  113.2    1.83     5.00     5.00     0.00     0.00    YES
AREA14        0  0.10000E+01  414570.0 3774060.0  125.9    1.83     5.00     5.00     0.00     0.00    YES
AREA15        0  0.10000E+01  414570.0 3774025.0  128.3    1.83     5.00     5.00     0.00     0.00    YES
AREA16        0  0.10000E+01  414570.0 3773995.0  127.9    1.83     5.00     5.00     0.00     0.00    YES
AREA2         0  0.10000E+01  414398.0 3774200.0  143.0    1.83     5.00     5.00     0.00     0.00    YES
AREA3         0  0.10000E+01  414398.0 3774165.0  140.2    1.83     5.00     5.00     0.00     0.00    YES
AREA4         0  0.10000E+01  414398.0 3774130.0  120.4    1.83     5.00     5.00     0.00     0.00    YES
AREA5         0  0.10000E+01  414398.0 3774095.0  113.5    1.83     5.00     5.00     0.00     0.00    YES
AREA6         0  0.10000E+01  414398.0 3774060.0  111.0    1.83     5.00     5.00     0.00     0.00    YES
AREA7         0  0.10000E+01  414398.0 3774025.0  111.2    1.83     5.00     5.00     0.00     0.00    YES
AREA8         0  0.10000E+01  414398.0 3773995.0  132.7    1.83     5.00     5.00     0.00     0.00    YES
  *** AERMOD - VERSION  19191 ***   *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc
***       05/24/21
*** AERMET - VERSION  16216 ***   ***                                          ***       12:11:05
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*** MODELOPTs:   RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                          *** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID                         SOURCE IDs
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 AREA1     AREA1     ,

 AREA10    AREA10    ,

 AREA11    AREA11    ,
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AREA12    AREA12    ,
AREA13    AREA13    ,
AREA14    AREA14    ,
AREA15    AREA15    ,
AREA16    AREA16    ,
AREA2     AREA2     ,
AREA3     AREA3     ,
AREA4     AREA4     ,
AREA5     AREA5     ,
AREA6     AREA6     ,
AREA7     AREA7     ,
AREA8     AREA8     ,
AREA9     AREA9     ,
SLINE1    L0008169  , L0008170  , L0008171  , L0008172  , L0008173  , L0008174  , L0008175  , L0008176  ,
          L0008177  , L0008178  , L0008179  , L0008180  , L0008181  , L0008182  , L0008183  , L0008184  ,
          L0008185  , L0008186  , L0008187  , L0008188  , L0008189  , L0008190  , L0008191  , L0008192  ,
          L0008193  , L0008194  , L0008195  , L0008196  , L0008197  , L0008198  , L0008199  , L0008200  ,
  *** AERMOD - VERSION 19191 ***   *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc
***       05/24/21
*** AERMET - VERSION 16216 ***   ***                                          ***       12:11:05
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*** MODELOPTs:   RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                          *** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID                          SOURCE IDs
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          L0008201  , L0008202  , L0008203  , L0008204  , L0008205  , L0008206  , L0008207  , L0008208  ,
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          L0008217  , L0008218  , L0008219  , L0008220  , L0008221  , L0008222  , L0008223  , L0008224  ,
          L0008225  , L0008226  , L0008227  , L0008228  , L0008229  ,
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*** AERMOD - VERSION 19191 *** *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc *** 05/24/21

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs

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***       05/24/21
*** AERMET - VERSION 16216 ***   ***                                          ***       12:11:05
                                                                    PAGE  23
*** MODELOPTs:   RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                          *** SOURCE IDs DEFINING SOURCE GROUPS ***

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*** AERMOD - VERSION 19191 *** *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc *** 05/24/21

*** AERMET - VERSION 16216 *** *** *** 12:11:05

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

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*** AERMOD - VERSION 19191 *** *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc *** 05/24/21

*** AERMET - VERSION 16216 *** *** *** 12:11:05

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

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*** AERMOD - VERSION 19191 *** *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc *** 05/24/21

*** AERMET - VERSION 16216 *** *** *** 12:11:05

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

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*** AERMOD - VERSION 19191 *** *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc *** 05/24/21

*** AERMET - VERSION 16216 *** *** *** 12:11:05

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs

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*** AERMOD - VERSION 19191 *** *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc *** 05/24/21

*** AERMET - VERSION 16216 *** *** *** 12:11:05

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

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***       05/24/21
 *** AERMET - VERSION 16216 ***   ***                                                    ***       12:11:05
                                                                    PAGE 29
 *** MODELOPTs:   RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                          *** SOURCE IDs DEFINED AS URBAN SOURCES ***

 URBAN ID   URBAN POP                    SOURCE IDs
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***       05/24/21
 *** AERMET - VERSION 16216 ***   ***                                                    ***       12:11:05
                                                                    PAGE 30
 *** MODELOPTs:   RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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                          (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                       (METERS)

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(414166.1, 3773787.6, 108.4, 147.5, 0.0); (414216.1, 3773787.6, 92.8, 147.5, 0.0);
(414266.1, 3773787.6, 90.2, 147.5, 0.0); (414316.1, 3773787.6, 87.7, 147.5, 0.0);
(414366.1, 3773787.6, 88.2, 147.5, 0.0); (414416.1, 3773787.6, 97.8, 147.5, 0.0);
(414466.1, 3773787.6, 111.0, 147.3, 0.0); (414516.1, 3773787.6, 113.2, 145.6, 0.0);
(414566.1, 3773787.6, 124.1, 142.1, 0.0); (414616.1, 3773787.6, 139.8, 140.9, 0.0);
(414666.1, 3773787.6, 140.2, 140.2, 0.0); (414716.1, 3773787.6, 140.5, 140.5, 0.0);
(414766.1, 3773787.6, 140.9, 140.9, 0.0); (414816.1, 3773787.6, 138.5, 141.4, 0.0);
(414866.1, 3773787.6, 141.4, 141.4, 0.0); (414916.1, 3773787.6, 141.7, 141.7, 0.0);
(414966.1, 3773787.6, 142.6, 142.6, 0.0); (415016.1, 3773787.6, 142.7, 142.7, 0.0);
(414016.1, 3773837.6, 139.0, 139.0, 0.0); (414066.1, 3773837.6, 139.0, 139.0, 0.0);
(414116.1, 3773837.6, 138.9, 138.9, 0.0); (414166.1, 3773837.6, 139.0, 139.0, 0.0);
(414216.1, 3773837.6, 139.8, 139.8, 0.0); (414266.1, 3773837.6, 121.7, 146.5, 0.0);

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(414316.1, 3773837.6, 109.4, 147.5, 0.0); (414366.1, 3773837.6, 114.8, 147.5, 0.0);
(414416.1, 3773837.6, 109.3, 147.5, 0.0); (414466.1, 3773837.6, 111.4, 147.5, 0.0);
(414516.1, 3773837.6, 113.1, 147.3, 0.0); (414566.1, 3773837.6, 119.1, 142.2, 0.0);
(414616.1, 3773837.6, 140.4, 140.4, 0.0); (414666.1, 3773837.6, 140.6, 140.6, 0.0);
(414716.1, 3773837.6, 140.8, 140.8, 0.0); (414766.1, 3773837.6, 141.0, 141.0, 0.0);
(414816.1, 3773837.6, 141.1, 141.1, 0.0); (414866.1, 3773837.6, 141.6, 141.6, 0.0);
(414916.1, 3773837.6, 141.8, 141.8, 0.0); (414966.1, 3773837.6, 142.2, 142.2, 0.0);
(415016.1, 3773837.6, 142.6, 142.6, 0.0); (414016.1, 3773887.6, 139.1, 139.1, 0.0);
(414066.1, 3773887.6, 139.2, 139.2, 0.0); (414116.1, 3773887.6, 139.5, 139.5, 0.0);
(414166.1, 3773887.6, 139.7, 139.7, 0.0); (414216.1, 3773887.6, 139.9, 139.9, 0.0);
(414266.1, 3773887.6, 139.7, 139.7, 0.0); (414316.1, 3773887.6, 139.7, 139.7, 0.0);
(414366.1, 3773887.6, 139.8, 139.8, 0.0); (414416.1, 3773887.6, 131.3, 140.9, 0.0);
(414466.1, 3773887.6, 127.1, 142.1, 0.0); (414516.1, 3773887.6, 113.4, 147.5, 0.0);
(414566.1, 3773887.6, 116.0, 146.2, 0.0); (414616.1, 3773887.6, 140.6, 140.6, 0.0);
(414666.1, 3773887.6, 140.7, 140.7, 0.0); (414716.1, 3773887.6, 141.0, 141.0, 0.0);
(414766.1, 3773887.6, 141.4, 141.4, 0.0); (414816.1, 3773887.6, 141.7, 141.7, 0.0);
(414866.1, 3773887.6, 141.9, 141.9, 0.0); (414916.1, 3773887.6, 142.8, 142.8, 0.0);
(414966.1, 3773887.6, 142.6, 142.6, 0.0); (415016.1, 3773887.6, 142.9, 142.9, 0.0);
(414016.1, 3773937.6, 139.8, 139.8, 0.0); (414066.1, 3773937.6, 139.7, 139.7, 0.0);
(414116.1, 3773937.6, 140.1, 140.1, 0.0); (414166.1, 3773937.6, 140.3, 140.3, 0.0);
(414216.1, 3773937.6, 140.4, 140.4, 0.0); (414266.1, 3773937.6, 139.7, 139.7, 0.0);
(414316.1, 3773937.6, 139.9, 139.9, 0.0); (414666.1, 3773937.6, 140.9, 140.9, 0.0);
(414716.1, 3773937.6, 141.1, 141.1, 0.0); (414766.1, 3773937.6, 141.5, 141.5, 0.0);
(414816.1, 3773937.6, 141.6, 141.6, 0.0); (414866.1, 3773937.6, 141.6, 141.6, 0.0);
(414916.1, 3773937.6, 140.3, 143.1, 0.0); (414966.1, 3773937.6, 143.0, 143.0, 0.0);
(415016.1, 3773937.6, 143.3, 143.3, 0.0); (414016.1, 3773987.6, 140.1, 140.1, 0.0);

(414066.1, 3773987.6, 140.1, 140.1, 0.0); (414116.1, 3773987.6, 140.2, 140.2, 0.0);
(414166.1, 3773987.6, 140.3, 140.3, 0.0); (414216.1, 3773987.6, 140.4, 140.4, 0.0);
(414266.1, 3773987.6, 140.4, 140.4, 0.0); (414316.1, 3773987.6, 142.9, 142.9, 0.0);
(414666.1, 3773987.6, 140.9, 140.9, 0.0); (414716.1, 3773987.6, 141.3, 141.3, 0.0);
(414766.1, 3773987.6, 141.8, 141.8, 0.0); (414816.1, 3773987.6, 142.0, 142.0, 0.0);
(414866.1, 3773987.6, 142.3, 142.3, 0.0); (414916.1, 3773987.6, 142.6, 142.6, 0.0);
(414966.1, 3773987.6, 142.4, 143.8, 0.0); (415016.1, 3773987.6, 143.1, 143.1, 0.0);
(414016.1, 3774037.6, 140.4, 140.4, 0.0); (414066.1, 3774037.6, 141.2, 141.2, 0.0);
(414116.1, 3774037.6, 141.3, 141.3, 0.0); (414166.1, 3774037.6, 141.3, 141.3, 0.0);
(414216.1, 3774037.6, 141.3, 141.3, 0.0); (414266.1, 3774037.6, 140.9, 146.4, 0.0);
(414316.1, 3774037.6, 145.4, 145.4, 0.0); (414666.1, 3774037.6, 141.8, 141.8, 0.0);
(414716.1, 3774037.6, 141.6, 141.6, 0.0); (414766.1, 3774037.6, 142.2, 142.2, 0.0);
(414816.1, 3774037.6, 142.2, 142.2, 0.0); (414866.1, 3774037.6, 142.6, 142.6, 0.0);
(414916.1, 3774037.6, 142.6, 142.6, 0.0); (414966.1, 3774037.6, 143.2, 143.2, 0.0);
(415016.1, 3774037.6, 143.8, 143.8, 0.0); (414016.1, 3774087.6, 140.9, 140.9, 0.0);
(414066.1, 3774087.6, 141.1, 141.1, 0.0); (414116.1, 3774087.6, 141.4, 141.4, 0.0);
(414166.1, 3774087.6, 141.2, 141.2, 0.0); (414216.1, 3774087.6, 141.3, 141.3, 0.0);
(414266.1, 3774087.6, 141.4, 147.3, 0.0); (414316.1, 3774087.6, 146.7, 146.7, 0.0);
(414666.1, 3774087.6, 142.4, 142.4, 0.0); (414716.1, 3774087.6, 142.4, 142.4, 0.0);

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(414766.1, 3774087.6, 141.9, 141.9, 0.0); (414816.1, 3774087.6, 142.8, 142.8, 0.0);
(414866.1, 3774087.6, 142.5, 142.5, 0.0); (414916.1, 3774087.6, 142.9, 142.9, 0.0);
(414966.1, 3774087.6, 142.7, 142.7, 0.0); (415016.1, 3774087.6, 143.3, 143.3, 0.0);
(414016.1, 3774137.6, 141.7, 141.7, 0.0); (414066.1, 3774137.6, 141.8, 141.8, 0.0);
(414116.1, 3774137.6, 141.6, 141.6, 0.0); (414166.1, 3774137.6, 141.9, 141.9, 0.0);
(414216.1, 3774137.6, 142.1, 142.1, 0.0); (414266.1, 3774137.6, 142.0, 147.4, 0.0);
(414316.1, 3774137.6, 147.4, 147.4, 0.0); (414666.1, 3774137.6, 142.7, 142.7, 0.0);
(414716.1, 3774137.6, 142.8, 142.8, 0.0); (414766.1, 3774137.6, 142.9, 142.9, 0.0);
(414816.1, 3774137.6, 142.5, 142.5, 0.0); (414866.1, 3774137.6, 142.7, 142.7, 0.0);
(414916.1, 3774137.6, 143.5, 143.5, 0.0); (414966.1, 3774137.6, 144.0, 144.0, 0.0);
(415016.1, 3774137.6, 144.2, 144.2, 0.0); (414016.1, 3774187.6, 141.8, 141.8, 0.0);
(414066.1, 3774187.6, 142.5, 142.5, 0.0); (414116.1, 3774187.6, 142.0, 142.0, 0.0);
(414166.1, 3774187.6, 142.4, 142.4, 0.0); (414216.1, 3774187.6, 142.6, 142.6, 0.0);
(414266.1, 3774187.6, 142.8, 142.8, 0.0); (414316.1, 3774187.6, 144.6, 145.6, 0.0);
(414666.1, 3774187.6, 143.0, 143.0, 0.0); (414716.1, 3774187.6, 142.8, 142.8, 0.0);
(414766.1, 3774187.6, 142.8, 142.8, 0.0); (414816.1, 3774187.6, 143.4, 143.4, 0.0);
(414866.1, 3774187.6, 143.5, 143.5, 0.0); (414916.1, 3774187.6, 144.0, 144.0, 0.0);
(414966.1, 3774187.6, 144.5, 144.5, 0.0); (415016.1, 3774187.6, 144.1, 144.1, 0.0);
(414016.1, 3774237.6, 142.6, 142.6, 0.0); (414066.1, 3774237.6, 142.5, 142.5, 0.0);
(414116.1, 3774237.6, 142.1, 142.1, 0.0); (414166.1, 3774237.6, 142.9, 142.9, 0.0);
(414216.1, 3774237.6, 143.3, 143.3, 0.0); (414266.1, 3774237.6, 143.2, 143.2, 0.0);
(414316.1, 3774237.6, 143.7, 144.8, 0.0); (414666.1, 3774237.6, 144.0, 144.0, 0.0);
(414716.1, 3774237.6, 144.0, 144.0, 0.0); (414766.1, 3774237.6, 143.7, 143.7, 0.0);
(414816.1, 3774237.6, 144.1, 144.1, 0.0); (414866.1, 3774237.6, 143.7, 143.7, 0.0);
(414916.1, 3774237.6, 144.6, 144.6, 0.0); (414966.1, 3774237.6, 144.6, 144.6, 0.0);
(415016.1, 3774237.6, 144.2, 144.2, 0.0); (414016.1, 3774287.6, 142.9, 142.9, 0.0);
(414066.1, 3774287.6, 142.8, 142.8, 0.0); (414116.1, 3774287.6, 143.3, 143.3, 0.0);

(414166.1, 3774287.6, 143.4, 143.4, 0.0); (414216.1, 3774287.6, 143.8, 143.8, 0.0);
(414266.1, 3774287.6, 143.8, 143.8, 0.0); (414316.1, 3774287.6, 143.7, 143.7, 0.0);
(414666.1, 3774287.6, 144.8, 144.8, 0.0); (414716.1, 3774287.6, 144.8, 144.8, 0.0);
(414766.1, 3774287.6, 144.5, 144.5, 0.0); (414816.1, 3774287.6, 145.1, 145.1, 0.0);
(414866.1, 3774287.6, 144.0, 144.0, 0.0); (414916.1, 3774287.6, 145.0, 145.0, 0.0);
(414966.1, 3774287.6, 145.0, 145.0, 0.0); (415016.1, 3774287.6, 144.6, 144.6, 0.0);
(414016.1, 3774337.6, 143.2, 143.2, 0.0); (414066.1, 3774337.6, 143.4, 143.4, 0.0);
(414116.1, 3774337.6, 143.6, 143.6, 0.0); (414166.1, 3774337.6, 143.9, 143.9, 0.0);
(414216.1, 3774337.6, 144.3, 144.3, 0.0); (414266.1, 3774337.6, 144.2, 144.2, 0.0);
(414316.1, 3774337.6, 144.2, 144.2, 0.0); (414366.1, 3774337.6, 144.2, 144.2, 0.0);
(414416.1, 3774337.6, 144.3, 144.3, 0.0); (414466.1, 3774337.6, 144.1, 144.1, 0.0);
(414516.1, 3774337.6, 144.4, 144.4, 0.0); (414566.1, 3774337.6, 144.5, 144.5, 0.0);
(414666.1, 3774337.6, 145.4, 145.4, 0.0); (414716.1, 3774337.6, 145.2, 145.2, 0.0);
(414766.1, 3774337.6, 145.0, 145.0, 0.0); (414816.1, 3774337.6, 145.4, 145.4, 0.0);
(414866.1, 3774337.6, 144.3, 144.3, 0.0); (414916.1, 3774337.6, 145.5, 145.5, 0.0);
(414966.1, 3774337.6, 145.4, 145.4, 0.0); (415016.1, 3774337.6, 145.2, 145.2, 0.0);
(414016.1, 3774387.6, 144.1, 144.1, 0.0); (414066.1, 3774387.6, 144.2, 144.2, 0.0);
(414116.1, 3774387.6, 144.3, 144.3, 0.0); (414166.1, 3774387.6, 144.5, 144.5, 0.0);

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(414216.1, 3774387.6, 144.5, 144.5, 0.0); (414266.1, 3774387.6, 144.5, 144.5, 0.0);
(414316.1, 3774387.6, 144.6, 144.6, 0.0); (414366.1, 3774387.6, 144.7, 144.7, 0.0);
(414416.1, 3774387.6, 144.7, 144.7, 0.0); (414466.1, 3774387.6, 144.8, 144.8, 0.0);
(414516.1, 3774387.6, 144.9, 144.9, 0.0); (414566.1, 3774387.6, 145.0, 145.0, 0.0);
(414616.1, 3774387.6, 145.4, 145.4, 0.0); (414666.1, 3774387.6, 145.6, 145.6, 0.0);
(414716.1, 3774387.6, 145.6, 145.6, 0.0); (414766.1, 3774387.6, 145.5, 145.5, 0.0);
(414816.1, 3774387.6, 145.0, 145.0, 0.0); (414866.1, 3774387.6, 145.1, 145.1, 0.0);
(414916.1, 3774387.6, 145.2, 145.2, 0.0); (414966.1, 3774387.6, 145.4, 145.4, 0.0);
(415016.1, 3774387.6, 145.7, 145.7, 0.0); (414016.1, 3774437.6, 144.5, 144.5, 0.0);
(414066.1, 3774437.6, 144.7, 144.7, 0.0); (414116.1, 3774437.6, 144.4, 144.4, 0.0);
(414166.1, 3774437.6, 145.0, 145.0, 0.0); (414216.1, 3774437.6, 144.9, 144.9, 0.0);
(414266.1, 3774437.6, 145.0, 145.0, 0.0); (414316.1, 3774437.6, 145.4, 145.4, 0.0);
(414366.1, 3774437.6, 145.5, 145.5, 0.0); (414416.1, 3774437.6, 145.5, 145.5, 0.0);
(414466.1, 3774437.6, 145.5, 145.5, 0.0); (414516.1, 3774437.6, 145.3, 145.3, 0.0);
(414566.1, 3774437.6, 145.7, 145.7, 0.0); (414616.1, 3774437.6, 145.9, 145.9, 0.0);
(414666.1, 3774437.6, 145.9, 145.9, 0.0); (414716.1, 3774437.6, 146.0, 146.0, 0.0);
(414766.1, 3774437.6, 146.5, 146.5, 0.0); (414816.1, 3774437.6, 146.4, 146.4, 0.0);
(414866.1, 3774437.6, 146.1, 146.1, 0.0); (414916.1, 3774437.6, 146.2, 146.2, 0.0);
(414966.1, 3774437.6, 146.3, 146.3, 0.0); (415016.1, 3774437.6, 146.5, 146.5, 0.0);
(414016.1, 3774487.6, 144.8, 144.8, 0.0); (414066.1, 3774487.6, 144.9, 144.9, 0.0);
(414116.1, 3774487.6, 144.7, 144.7, 0.0); (414166.1, 3774487.6, 145.3, 145.3, 0.0);
(414216.1, 3774487.6, 145.3, 145.3, 0.0); (414266.1, 3774487.6, 145.6, 145.6, 0.0);
(414316.1, 3774487.6, 145.8, 145.8, 0.0); (414366.1, 3774487.6, 145.9, 145.9, 0.0);
(414416.1, 3774487.6, 146.4, 146.4, 0.0); (414466.1, 3774487.6, 146.0, 146.0, 0.0);
(414516.1, 3774487.6, 146.3, 146.3, 0.0); (414566.1, 3774487.6, 146.0, 146.0, 0.0);
(414616.1, 3774487.6, 146.4, 146.4, 0.0); (414666.1, 3774487.6, 146.8, 146.8, 0.0);
(414716.1, 3774487.6, 147.5, 147.5, 0.0); (414766.1, 3774487.6, 146.2, 146.2, 0.0);
(414816.1, 3774487.6, 146.9, 146.9, 0.0); (414866.1, 3774487.6, 146.6, 146.6, 0.0);

(414916.1, 3774487.6, 146.5, 146.5, 0.0); (414966.1, 3774487.6, 146.7, 146.7, 0.0);
(415016.1, 3774487.6, 147.0, 147.0, 0.0); (414016.1, 3774537.6, 145.0, 145.0, 0.0);
(414066.1, 3774537.6, 145.1, 145.1, 0.0); (414116.1, 3774537.6, 145.0, 145.0, 0.0);
(414166.1, 3774537.6, 145.3, 145.3, 0.0); (414216.1, 3774537.6, 145.3, 145.3, 0.0);
(414266.1, 3774537.6, 146.3, 146.3, 0.0); (414316.1, 3774537.6, 146.6, 146.6, 0.0);
(414366.1, 3774537.6, 146.8, 146.8, 0.0); (414416.1, 3774537.6, 146.5, 146.5, 0.0);
(414466.1, 3774537.6, 147.0, 147.0, 0.0); (414516.1, 3774537.6, 147.0, 147.0, 0.0);
(414566.1, 3774537.6, 146.9, 146.9, 0.0); (414616.1, 3774537.6, 147.0, 147.0, 0.0);
(414666.1, 3774537.6, 147.2, 147.2, 0.0); (414716.1, 3774537.6, 147.6, 147.6, 0.0);
(414766.1, 3774537.6, 146.7, 146.7, 0.0); (414816.1, 3774537.6, 147.7, 147.7, 0.0);
(414866.1, 3774537.6, 147.1, 147.1, 0.0); (414916.1, 3774537.6, 147.1, 147.1, 0.0);
(414966.1, 3774537.6, 147.0, 147.0, 0.0); (415016.1, 3774537.6, 147.3, 147.3, 0.0);
(414016.1, 3774587.6, 145.7, 145.7, 0.0); (414066.1, 3774587.6, 145.8, 145.8, 0.0);
(414116.1, 3774587.6, 145.4, 145.4, 0.0); (414166.1, 3774587.6, 145.6, 145.6, 0.0);
(414216.1, 3774587.6, 145.6, 145.6, 0.0); (414266.1, 3774587.6, 146.6, 146.6, 0.0);
(414316.1, 3774587.6, 147.0, 147.0, 0.0); (414366.1, 3774587.6, 147.1, 147.1, 0.0);
(414416.1, 3774587.6, 147.1, 147.1, 0.0); (414466.1, 3774587.6, 147.4, 147.4, 0.0);

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(414516.1, 3774587.6, 147.6, 147.6, 0.0); (414566.1, 3774587.6, 147.5, 147.5, 0.0);
(414616.1, 3774587.6, 147.5, 147.5, 0.0); (414666.1, 3774587.6, 147.5, 147.5, 0.0);
(414716.1, 3774587.6, 147.7, 147.7, 0.0); (414766.1, 3774587.6, 147.2, 147.2, 0.0);
(414816.1, 3774587.6, 147.7, 147.7, 0.0); (414866.1, 3774587.6, 147.6, 147.6, 0.0);
(414916.1, 3774587.6, 147.7, 147.7, 0.0); (414966.1, 3774587.6, 147.6, 147.6, 0.0);
(415016.1, 3774587.6, 147.7, 147.7, 0.0); (414016.1, 3774637.6, 146.1, 146.1, 0.0);
(414066.1, 3774637.6, 146.8, 146.8, 0.0); (414116.1, 3774637.6, 146.8, 146.8, 0.0);
(414166.1, 3774637.6, 146.7, 146.7, 0.0); (414216.1, 3774637.6, 146.4, 146.4, 0.0);
(414266.1, 3774637.6, 147.3, 147.3, 0.0); (414316.1, 3774637.6, 147.7, 147.7, 0.0);
(414366.1, 3774637.6, 148.2, 148.2, 0.0); (414416.1, 3774637.6, 147.9, 147.9, 0.0);
(414466.1, 3774637.6, 148.8, 148.8, 0.0); (414516.1, 3774637.6, 148.5, 148.5, 0.0);
(414566.1, 3774637.6, 148.2, 148.2, 0.0); (414616.1, 3774637.6, 148.0, 148.0, 0.0);
(414666.1, 3774637.6, 147.9, 147.9, 0.0); (414716.1, 3774637.6, 148.2, 148.2, 0.0);
(414766.1, 3774637.6, 148.3, 148.3, 0.0); (414816.1, 3774637.6, 148.4, 148.4, 0.0);
(414866.1, 3774637.6, 148.4, 148.4, 0.0); (414916.1, 3774637.6, 148.6, 148.6, 0.0);
(414966.1, 3774637.6, 148.4, 148.4, 0.0); (415016.1, 3774637.6, 148.5, 148.5, 0.0);
(414361.2, 3774308.6, 143.8, 143.8, 0.0); (414587.0, 3774306.9, 144.2, 144.2, 0.0);
(414587.0, 3774347.6, 144.8, 144.8, 0.0); (414636.2, 3774347.6, 144.9, 144.9, 0.0);
(414629.4, 3773930.0, 140.5, 140.5, 0.0); (414359.5, 3773930.0, 139.3, 139.3, 0.0);
(414406.4, 3774308.2, 143.8, 143.8, 0.0); (414451.5, 3774307.9, 143.8, 143.8, 0.0);
(414496.7, 3774307.6, 144.0, 144.0, 0.0); (414541.8, 3774307.2, 144.2, 144.2, 0.0);
(414635.5, 3774301.2, 144.4, 144.4, 0.0); (414634.7, 3774254.8, 144.0, 144.0, 0.0);
(414634.0, 3774208.4, 143.3, 143.3, 0.0); (414633.2, 3774162.0, 142.8, 142.8, 0.0);
(414632.5, 3774115.6, 142.3, 142.3, 0.0); (414631.7, 3774069.2, 141.8, 141.8, 0.0);
(414630.9, 3774022.8, 141.3, 141.3, 0.0); (414630.2, 3773976.4, 140.8, 140.8, 0.0);
(414584.4, 3773930.0, 130.5, 142.1, 0.0); (414539.5, 3773930.0, 120.4, 146.2, 0.0);
(414494.5, 3773930.0, 127.1, 142.1, 0.0); (414449.5, 3773930.0, 127.0, 146.4, 0.0);
(414404.5, 3773930.0, 139.6, 139.6, 0.0); (414359.7, 3773977.3, 140.2, 143.4, 0.0);
(414359.9, 3774024.7, 134.9, 147.5, 0.0); (414360.1, 3774072.0, 138.7, 147.5, 0.0);

(414360.4, 3774119.3, 140.8, 147.5, 0.0); (414360.6, 3774166.6, 144.6, 145.7, 0.0);
(414360.8, 3774213.9, 145.3, 145.3, 0.0); (414361.0, 3774261.3, 144.3, 146.0, 0.0);
(414651.2, 3774193.1, 143.2, 143.2, 0.0); (414651.2, 3774219.1, 143.4, 143.4, 0.0);
(414651.9, 3774247.6, 143.7, 143.7, 0.0); (414651.9, 3774278.8, 144.1, 144.1, 0.0);
(414651.9, 3774298.9, 144.3, 144.3, 0.0); (414652.5, 3774320.3, 144.6, 144.6, 0.0);
(414651.9, 3774365.1, 145.1, 145.1, 0.0); (414653.2, 3774345.6, 144.9, 144.9, 0.0);
(414649.3, 3774056.9, 141.6, 141.6, 0.0); (414651.2, 3774134.1, 142.5, 142.5, 0.0);
(414650.6, 3774166.5, 142.8, 142.8, 0.0); (414648.0, 3774014.0, 141.1, 141.1, 0.0);
(414248.2, 3774308.6, 143.7, 143.7, 0.0); (414247.0, 3774293.7, 143.6, 143.6, 0.0);
(414246.3, 3774277.5, 143.4, 143.4, 0.0); (414246.3, 3774261.9, 143.2, 143.2, 0.0);
(414247.0, 3774244.4, 143.1, 143.1, 0.0); (414245.6, 3774234.0, 142.9, 142.9, 0.0);
(414246.3, 3774219.7, 142.8, 142.8, 0.0); (414245.6, 3774206.1, 142.6, 142.6, 0.0);
(414245.0, 3774187.9, 142.4, 142.4, 0.0); (414244.4, 3774168.5, 142.1, 142.1, 0.0);
(414244.4, 3774156.1, 141.9, 141.9, 0.0); (414244.4, 3774136.0, 141.6, 141.6, 0.0);
(414241.8, 3774053.0, 140.5, 140.5, 0.0); (414242.4, 3774036.7, 140.5, 140.5, 0.0);
(414243.1, 3774017.3, 140.3, 140.3, 0.0); (414243.1, 3773979.6, 140.0, 140.0, 0.0);

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(414239.8, 3773932.9, 139.7, 139.7, 0.0); (414239.2, 3773893.3, 139.5, 139.5, 0.0);
(414646.0, 3773967.3, 140.8, 140.8, 0.0); (414648.0, 3773917.3, 140.5, 140.5, 0.0);
(414646.0, 3773895.9, 140.4, 140.4, 0.0); (414646.7, 3773877.1, 140.3, 140.3, 0.0);
(414646.7, 3773841.4, 140.2, 140.2, 0.0); (414644.7, 3773799.9, 140.1, 140.1, 0.0);
(414649.9, 3774091.9, 142.0, 142.0, 0.0); (414651.9, 3774207.4, 143.3, 143.3, 0.0);
(414647.3, 3773769.6, 139.9, 139.9, 0.0); (414647.3, 3773722.9, 139.7, 139.7, 0.0);
(414588.5, 3773543.4, 138.7, 138.7, 0.0); (414530.5, 3773519.5, 138.4, 138.4, 0.0);
(414486.5, 3773503.1, 138.0, 138.0, 0.0); (414427.2, 3773494.3, 137.3, 137.3, 0.0);
(414356.7, 3773470.3, 136.8, 136.8, 0.0); (414273.5, 3773436.3, 136.2, 136.2, 0.0);
(414053.0, 3773606.4, 136.5, 136.5, 0.0); (414834.2, 3774266.6, 144.4, 144.4, 0.0);

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED
*
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0008230	414651.9	3774278.8	-8.29
L0008231	414634.7	3774254.8	-9.08
L0008231	414651.9	3774247.6	-7.94
L0008232	414651.2	3774219.1	0.17
L0008232	414651.9	3774247.6	-4.11

L0008233	414634.0	3774208.4	-4.88
L0008233	414651.2	3774219.1	-10.62
L0008233	414651.9	3774207.4	-5.13
L0008234	414634.0	3774208.4	-5.13
L0008234	414651.2	3774193.1	-8.38
L0008234	414651.9	3774207.4	-6.75
L0008235	414651.2	3774193.1	-3.98
L0008235	414650.6	3774166.5	-2.04
L0008236	414633.2	3774162.0	-8.16
L0008236	414650.6	3774166.5	-10.15
L0008237	414651.2	3774134.1	-5.10
L0008238	414632.5	3774115.6	-3.27
L0008238	414651.2	3774134.1	-6.99
L0008239	414632.5	3774115.6	-5.31
L0008239	414649.9	3774091.9	-0.78
L0008240	414649.9	3774091.9	-10.86
L0008241	414631.7	3774069.2	-7.08
L0008241	414649.3	3774056.9	-2.35
L0008242	414649.3	3774056.9	-10.62
L0008243	414630.9	3774022.8	-1.67
L0008244	414630.9	3774022.8	-5.28
L0008244	414648.0	3774014.0	-12.13
L0008245	414648.0	3774014.0	-1.49
L0008246	414630.2	3773976.4	-5.87
L0008246	414646.0	3773967.3	-5.05
L0008247	414630.2	3773976.4	0.59
L0008247	414646.0	3773967.3	-11.35
L0008248	414629.4	3773930.0	-0.05
L0008249	414629.4	3773930.0	-5.04
L0008249	414648.0	3773917.3	-8.35
L0008250	414648.0	3773917.3	-5.99
L0008250	414646.0	3773895.9	-6.56
L0008251	414646.0	3773895.9	-9.60
L0008251	414646.7	3773877.1	-5.76
L0008252	414646.7	3773877.1	-9.61

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED
*
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0008253	414646.7	3773841.4	-6.46
L0008254	414646.7	3773841.4	-8.75
L0008255	414644.7	3773799.9	-2.38
L0008256	414644.7	3773799.9	-13.53
L0008257	414647.3	3773769.6	-7.03
L0008258	414647.3	3773769.6	-7.04

L0008260	414647.3	3773722.9	-11.34
L0008261	414647.3	3773722.9	0.33
L0008456	414666.1	3774287.6	-0.23
L0008456	414651.9	3774278.8	-13.32
L0008456	414651.9	3774298.9	-1.73
L0008457	414635.5	3774301.2	-4.64
L0008457	414651.9	3774298.9	-14.89
L0008458	414652.5	3774320.3	-15.10
L0008459	414666.1	3774337.6	-2.14
L0008459	414636.2	3774347.6	-1.25
L0008459	414652.5	3774320.3	-0.93
L0008459	414653.2	3774345.6	-9.54
L0008460	414636.2	3774347.6	-2.01
L0008460	414651.9	3774365.1	-8.85
L0008460	414653.2	3774345.6	-7.76
L0008461	414651.9	3774365.1	-9.26
L0008462	414666.1	3774387.6	-2.63
L0008464	414666.1	3774437.6	-1.67
L0008465	414666.1	3774437.6	-1.56
L0008467	414666.1	3774487.6	-4.79
L0008468	414666.1	3774487.6	0.80
L0008470	414666.1	3774537.6	-6.52
L0008472	414666.1	3774587.6	-1.72
L0008473	414666.1	3774587.6	-6.27
L0008475	414666.1	3774637.6	-5.95
L0008476	414666.1	3774637.6	-4.13
L0008386	414651.9	3774278.8	-11.30
L0008386	414651.9	3774298.9	-2.16
L0008387	414635.5	3774301.2	-6.69
L0008387	414651.9	3774298.9	-12.64
L0008387	414652.5	3774320.3	0.94
L0008388	414652.5	3774320.3	-13.11
L0008389	414666.1	3774337.6	0.20
L0008389	414636.2	3774347.6	-3.67

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED
*
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0008389	414652.5	3774320.3	0.49
L0008389	414653.2	3774345.6	-9.21
L0008390	414636.2	3774347.6	-3.51
L0008390	414651.9	3774365.1	-9.03
L0008390	414653.2	3774345.6	-5.99
L0008391	414651.9	3774365.1	-7.70
L0008392	414666.1	3774387.6	0.25

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  *** AERMOD - VERSION 19191 ***   *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc
***       05/24/21
 *** AERMET - VERSION 16216 ***   ***                                          ***       12:11:05
                                                                  PAGE 39
 *** 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 19191 ***   *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc
***       05/24/21
 *** AERMET - VERSION 16216 ***   ***                                          ***       12:11:05
                                                                  PAGE 40
 *** MODELOPTs:   RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                          *** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

  Surface file:  ..\..\..\..\..\..\City of Irwindale - 5175 Vincent Avenue\HRA\NEW HRA (for EIR i   Met Version:  16216
  Profile file:  ..\..\..\..\..\..\City of Irwindale - 5175 Vincent Avenue\HRA\NEW HRA (for EIR i
  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  19191 ***   *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc
***       05/24/21
*** AERMET - VERSION  16216 ***  ***                                                  ***       12:11:05
                                                                      PAGE  41
*** MODELOPTs:   RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                  *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP:
AREA1   ***
                     INCLUDING SOURCE(S):    AREA1      ,

                           *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                          ** CONC OF OTHER    IN MICROGRAMS/M**3                  **

    X-COORD (M)   Y-COORD (M)       CONC              X-COORD (M)   Y-COORD (M)       CONC
-----------------------------------------------------------------------------------------
     414016.08   3773637.64     114.55541           414066.08   3773637.64     122.10830
     414116.08   3773637.64     121.46718           414166.08   3773637.64     119.32490
     414216.08   3773637.64     117.00592           414266.08   3773637.64     108.64820
     414316.08   3773637.64      90.65689           414366.08   3773637.64      80.04254
     414416.08   3773637.64      70.42389           414466.08   3773637.64      65.22909
     414516.08   3773637.64      55.54981           414566.08   3773637.64      50.49642
     414616.08   3773637.64      44.22971           414666.08   3773637.64      38.71284
     414716.08   3773637.64      34.88135           414766.08   3773637.64      32.11474
     414816.08   3773637.64      30.02532           414866.08   3773637.64      28.43736
     414916.08   3773637.64      27.18180           414966.08   3773637.64      26.16241
     415016.08   3773637.64      25.28851           414016.08   3773687.64     124.57225
     414066.08   3773687.64     135.11215           414116.08   3773687.64     129.43113
     414166.08   3773687.64     119.83468           414216.08   3773687.64     118.42818
     414266.08   3773687.64     112.79988           414316.08   3773687.64     103.88357
     414366.08   3773687.64      92.60720           414416.08   3773687.64      81.15744
     414466.08   3773687.64      73.85325           414516.08   3773687.64      61.91468
     414566.08   3773687.64      55.91329           414616.08   3773687.64      49.07746
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414666.08	3773687.64	42.99820	414716.08	3773687.64	38.79260
414766.08	3773687.64	35.82195	414816.08	3773687.64	33.60614
414866.08	3773687.64	31.91552	414916.08	3773687.64	30.59190
414966.08	3773687.64	29.47714	415016.08	3773687.64	28.49984
414016.08	3773737.64	134.91723	414066.08	3773737.64	149.34812
414116.08	3773737.64	144.91017	414166.08	3773737.64	136.43509
414216.08	3773737.64	135.49127	414266.08	3773737.64	132.05007
414316.08	3773737.64	122.84294	414366.08	3773737.64	109.89136
414416.08	3773737.64	94.84119	414466.08	3773737.64	84.65275
414516.08	3773737.64	70.22308	414566.08	3773737.64	62.27465
414616.08	3773737.64	55.01372	414666.08	3773737.64	48.26381
414716.08	3773737.64	43.66831	414766.08	3773737.64	40.50279
414816.08	3773737.64	38.16596	414866.08	3773737.64	36.39673
414916.08	3773737.64	34.94032	414966.08	3773737.64	33.64064
415016.08	3773737.64	32.50715	414016.08	3773787.64	145.02484
414066.08	3773787.64	164.19239	414116.08	3773787.64	171.19752
414166.08	3773787.64	166.19546	414216.08	3773787.64	163.53110
414266.08	3773787.64	161.11682	414316.08	3773787.64	150.56381
414366.08	3773787.64	133.58846	414416.08	3773787.64	115.07464
414466.08	3773787.64	98.48964	414516.08	3773787.64	80.30550
414566.08	3773787.64	69.61068	414616.08	3773787.64	62.40617
414666.08	3773787.64	54.91908	414716.08	3773787.64	49.99534
414766.08	3773787.64	46.61410	414816.08	3773787.64	43.96582

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA1 ***

INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414866.08	3773787.64	42.11532	414916.08	3773787.64	40.43209
414966.08	3773787.64	38.96332	415016.08	3773787.64	37.54255
414016.08	3773837.64	155.12983	414066.08	3773837.64	179.83454
414116.08	3773837.64	205.01761	414166.08	3773837.64	227.94354
414216.08	3773837.64	244.24119	414266.08	3773837.64	220.91675
414316.08	3773837.64	195.32901	414366.08	3773837.64	178.19750
414416.08	3773837.64	144.65118	414466.08	3773837.64	116.49864
414516.08	3773837.64	92.81153	414566.08	3773837.64	77.70897
414616.08	3773837.64	72.03132	414666.08	3773837.64	63.76347
414716.08	3773837.64	58.48954	414766.08	3773837.64	54.82224
414816.08	3773837.64	51.99325	414866.08	3773837.64	49.73271
414916.08	3773837.64	47.62543	414966.08	3773837.64	45.70529
415016.08	3773837.64	43.90611	414016.08	3773887.64	163.47073
414066.08	3773887.64	194.53187	414116.08	3773887.64	229.26820
414166.08	3773887.64	263.99244	414216.08	3773887.64	292.68719
414266.08	3773887.64	306.12031	414316.08	3773887.64	297.49642
414366.08	3773887.64	265.14233	414416.08	3773887.64	205.34685

414466.08	3773887.64	154.10364	414516.08	3773887.64	109.07619
414566.08	3773887.64	89.05168	414616.08	3773887.64	85.02397
414666.08	3773887.64	76.06375	414716.08	3773887.64	70.29862
414766.08	3773887.64	66.27359	414816.08	3773887.64	62.90664
414866.08	3773887.64	59.84910	414916.08	3773887.64	57.16701
414966.08	3773887.64	54.45032	415016.08	3773887.64	51.95502
414016.08	3773937.64	169.83225	414066.08	3773937.64	207.47009
414116.08	3773937.64	253.56166	414166.08	3773937.64	304.42587
414216.08	3773937.64	353.14022	414266.08	3773937.64	385.26101
414316.08	3773937.64	387.16059	414666.08	3773937.64	94.14796
414716.08	3773937.64	87.59987	414766.08	3773937.64	82.51131
414816.08	3773937.64	77.94071	414866.08	3773937.64	73.66145
414916.08	3773937.64	69.53633	414966.08	3773937.64	65.84195
415016.08	3773937.64	62.15971	414016.08	3773987.64	172.64953
414066.08	3773987.64	216.59303	414116.08	3773987.64	274.08008
414166.08	3773987.64	345.66825	414216.08	3773987.64	425.58872
414266.08	3773987.64	495.19712	414316.08	3773987.64	530.64826
414666.08	3773987.64	122.39590	414716.08	3773987.64	113.87707
414766.08	3773987.64	106.34577	414816.08	3773987.64	99.26541
414866.08	3773987.64	92.53832	414916.08	3773987.64	86.22270
414966.08	3773987.64	80.25305	415016.08	3773987.64	74.75803
414016.08	3774037.64	171.41293	414066.08	3774037.64	220.03900
414116.08	3774037.64	288.56215	414166.08	3774037.64	383.89202

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA1 ***

INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414216.08	3774037.64	508.23806	414266.08	3774037.64	644.24345
414316.08	3774037.64	757.90683	414666.08	3774037.64	169.21591
414716.08	3774037.64	154.83352	414766.08	3774037.64	141.48752
414816.08	3774037.64	129.09682	414866.08	3774037.64	117.77915
414916.08	3774037.64	107.52397	414966.08	3774037.64	98.38040
415016.08	3774037.64	90.16915	414016.08	3774087.64	165.72489
414066.08	3774087.64	215.08362	414116.08	3774087.64	289.69286
414166.08	3774087.64	403.99266	414216.08	3774087.64	581.54061
414266.08	3774087.64	833.93412	414316.08	3774087.64	1133.64338
414666.08	3774087.64	248.12718	414716.08	3774087.64	218.00425
414766.08	3774087.64	191.62169	414816.08	3774087.64	169.25104
414866.08	3774087.64	149.90570	414916.08	3774087.64	133.67464
414966.08	3774087.64	119.73044	415016.08	3774087.64	107.95189
414016.08	3774137.64	156.05820	414066.08	3774137.64	203.06766
414116.08	3774137.64	276.10182	414166.08	3774137.64	397.92565
414216.08	3774137.64	615.30382	414266.08	3774137.64	1018.62586
414316.08	3774137.64	1753.55262	414666.08	3774137.64	372.23776

414716.08	3774137.64	307.06619	414766.08	3774137.64	257.17149
414816.08	3774137.64	218.27157	414866.08	3774137.64	187.67446
414916.08	3774137.64	163.36858	414966.08	3774137.64	143.59004
415016.08	3774137.64	127.30158	414016.08	3774187.64	142.70378
414066.08	3774187.64	184.90009	414116.08	3774187.64	249.79321
414166.08	3774187.64	360.43540	414216.08	3774187.64	570.62611
414266.08	3774187.64	1043.39147	414316.08	3774187.64	2419.59890
414666.08	3774187.64	529.82958	414716.08	3774187.64	410.39889
414766.08	3774187.64	328.56043	414816.08	3774187.64	270.18394
414866.08	3774187.64	226.66720	414916.08	3774187.64	193.41093
414966.08	3774187.64	167.32184	415016.08	3774187.64	146.39061
414016.08	3774237.64	127.23417	414066.08	3774237.64	162.26020
414116.08	3774237.64	215.26816	414166.08	3774237.64	303.19074
414216.08	3774237.64	464.86993	414266.08	3774237.64	817.47171
414316.08	3774237.64	1897.06782	414666.08	3774237.64	661.87798
414716.08	3774237.64	496.19688	414766.08	3774237.64	388.00445
414816.08	3774237.64	313.53098	414866.08	3774237.64	259.31471
414916.08	3774237.64	218.92311	414966.08	3774237.64	187.62481
415016.08	3774237.64	162.95189	414016.08	3774287.64	110.45570
414066.08	3774287.64	137.65976	414116.08	3774287.64	177.58347
414166.08	3774287.64	238.89083	414216.08	3774287.64	340.80071
414266.08	3774287.64	527.08142	414316.08	3774287.64	912.72891
414666.08	3774287.64	696.96681	414716.08	3774287.64	528.50005

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA1 ***

INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414766.08	3774287.64	415.38488	414816.08	3774287.64	336.43418
414866.08	3774287.64	278.42366	414916.08	3774287.64	235.00562
414966.08	3774287.64	201.28264	415016.08	3774287.64	174.61502
414016.08	3774337.64	93.68638	414066.08	3774337.64	113.60260
414116.08	3774337.64	140.78453	414166.08	3774337.64	178.67726
414216.08	3774337.64	233.09743	414266.08	3774337.64	310.79120
414316.08	3774337.64	416.80657	414366.08	3774337.64	549.71205
414416.08	3774337.64	831.48170	414466.08	3774337.64	1317.65048
414516.08	3774337.64	1276.25404	414566.08	3774337.64	1024.49350
414666.08	3774337.64	621.77406	414716.08	3774337.64	494.93359
414766.08	3774337.64	402.22046	414816.08	3774337.64	332.81438
414866.08	3774337.64	279.48466	414916.08	3774337.64	238.47236
414966.08	3774337.64	205.82411	415016.08	3774337.64	179.48821
414016.08	3774387.64	78.23359	414066.08	3774387.64	91.90299
414116.08	3774387.64	109.24428	414166.08	3774387.64	130.91318
414216.08	3774387.64	157.59178	414266.08	3774387.64	188.66334
414316.08	3774387.64	221.58778	414366.08	3774387.64	258.72528

414416.08	3774387.64	328.45427	414466.08	3774387.64	480.58094
414516.08	3774387.64	604.23902	414566.08	3774387.64	613.85436
414616.08	3774387.64	558.77499	414666.08	3774387.64	486.02386
414716.08	3774387.64	415.57914	414766.08	3774387.64	355.38953
414816.08	3774387.64	304.60086	414866.08	3774387.64	262.99347
414916.08	3774387.64	228.76955	414966.08	3774387.64	200.46926
415016.08	3774387.64	177.01083	414016.08	3774437.64	64.73874
414066.08	3774437.64	73.80303	414116.08	3774437.64	84.35498
414166.08	3774437.64	96.44475	414216.08	3774437.64	109.39903
414266.08	3774437.64	122.52451	414316.08	3774437.64	135.22657
414366.08	3774437.64	150.24842	414416.08	3774437.64	176.66517
414466.08	3774437.64	229.28918	414516.08	3774437.64	299.55694
414566.08	3774437.64	348.20504	414616.08	3774437.64	360.77304
414666.08	3774437.64	347.98780	414716.08	3774437.64	321.75431
414766.08	3774437.64	291.25938	414816.08	3774437.64	261.28455
414866.08	3774437.64	233.52271	414916.08	3774437.64	208.61522
414966.08	3774437.64	186.66490	415016.08	3774437.64	167.54707
414016.08	3774487.64	53.43509	414066.08	3774487.64	59.35232
414116.08	3774487.64	65.67784	414166.08	3774487.64	72.38662
414216.08	3774487.64	78.84059	414266.08	3774487.64	84.98718
414316.08	3774487.64	90.98911	414366.08	3774487.64	98.58535
414416.08	3774487.64	111.14417	414466.08	3774487.64	133.35743
414516.08	3774487.64	167.12180	414566.08	3774487.64	202.53941

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA1 ***

INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414616.08	3774487.64	227.40286	414666.08	3774487.64	237.51901
414716.08	3774487.64	235.60483	414766.08	3774487.64	226.46100
414816.08	3774487.64	212.74500	414866.08	3774487.64	197.47897
414916.08	3774487.64	181.92636	414966.08	3774487.64	166.90163
415016.08	3774487.64	152.94848	414016.08	3774537.64	44.24905
414066.08	3774537.64	48.01250	414116.08	3774537.64	51.83067
414166.08	3774537.64	55.53929	414216.08	3774537.64	58.98511
414266.08	3774537.64	62.21567	414316.08	3774537.64	65.47441
414366.08	3774537.64	69.89497	414416.08	3774537.64	76.79375
414466.08	3774537.64	87.75492	414516.08	3774537.64	104.56440
414566.08	3774537.64	125.61207	414616.08	3774537.64	145.68521
414666.08	3774537.64	160.44397	414716.08	3774537.64	168.18170
414766.08	3774537.64	170.14291	414816.08	3774537.64	166.94366
414866.08	3774537.64	160.96513	414916.08	3774537.64	153.08388
414966.08	3774537.64	144.25539	415016.08	3774537.64	135.16325
414016.08	3774587.64	36.86814	414066.08	3774587.64	39.29697
414116.08	3774587.64	41.57654	414166.08	3774587.64	43.67186

414216.08	3774587.64	45.67139	414266.08	3774587.64	47.49026
414316.08	3774587.64	49.46344	414366.08	3774587.64	52.26657
414416.08	3774587.64	56.41391	414466.08	3774587.64	62.58359
414516.08	3774587.64	71.64422	414566.08	3774587.64	83.74638
414616.08	3774587.64	97.36719	414666.08	3774587.64	109.94941
414716.08	3774587.64	119.59311	414766.08	3774587.64	125.72929
414816.08	3774587.64	128.20062	414866.08	3774587.64	127.86833
414916.08	3774587.64	125.32099	414966.08	3774587.64	121.34153
415016.08	3774587.64	116.35119	414016.08	3774637.64	30.95416
414066.08	3774637.64	32.47211	414116.08	3774637.64	33.88935
414166.08	3774637.64	35.19825	414216.08	3774637.64	36.34690
414266.08	3774637.64	37.49327	414316.08	3774637.64	38.80164
414366.08	3774637.64	40.61880	414416.08	3774637.64	43.33779
414466.08	3774637.64	47.00603	414516.08	3774637.64	52.44535
414566.08	3774637.64	59.67898	414616.08	3774637.64	68.42657
414666.08	3774637.64	77.66147	414716.08	3774637.64	86.10721
414766.08	3774637.64	92.78557	414816.08	3774637.64	97.45964
414866.08	3774637.64	100.04655	414916.08	3774637.64	100.77051
414966.08	3774637.64	99.99030	415016.08	3774637.64	98.10915
414361.21	3774308.59	963.41397	414586.99	3774306.89	1114.46264
414586.99	3774347.63	853.44848	414636.22	3774347.63	682.75485
414629.43	3773930.02	97.36799	414359.51	3773930.02	339.37472
414406.37	3774308.25	1625.57950	414451.52	3774307.91	2707.93245

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA1 ***

INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414496.68	3774307.57	2201.70078	414541.83	3774307.23	1555.38331
414635.47	3774301.23	823.62618	414634.71	3774254.83	847.69223
414633.96	3774208.43	725.76359	414633.20	3774162.03	526.90329
414632.45	3774115.62	348.07341	414631.69	3774069.22	230.52252
414630.94	3774022.82	161.99653	414630.18	3773976.42	121.99909
414584.44	3773930.02	105.55161	414539.46	3773930.02	117.97705
414494.47	3773930.02	155.47536	414449.48	3773930.02	202.64426
414404.50	3773930.02	284.90452	414359.72	3773977.34	457.33162
414359.94	3774024.66	613.72934	414360.15	3774071.98	973.68656
414360.36	3774119.31	1720.18173	414360.57	3774166.63	3817.63972
414360.79	3774213.95	9085.21679	414361.00	3774261.27	3782.67173
414651.22	3774193.13	596.35351	414651.22	3774219.08	681.75558
414651.87	3774247.64	743.07479	414651.87	3774278.78	763.88237
414651.87	3774298.90	748.10859	414652.52	3774320.31	706.81319
414651.87	3774365.09	581.11140	414653.17	3774345.62	638.43840
414649.27	3774056.86	201.13860	414651.22	3774134.08	383.27676
414650.57	3774166.52	499.42035	414647.97	3774014.03	148.32928

414248.25	3774308.63	367.93560	414246.95	3774293.71	417.37518
414246.30	3774277.48	477.30523	414246.30	3774261.91	540.22904
414246.95	3774244.39	616.39618	414245.65	3774234.01	647.74831
414246.30	3774219.73	706.36959	414245.65	3774206.11	746.41746
414245.00	3774187.94	788.34922	414244.36	3774168.47	812.33849
414244.36	3774156.14	818.72751	414244.36	3774136.02	808.18586
414241.76	3774052.96	614.48278	414242.41	3774036.74	576.23829
414243.06	3774017.27	530.87941	414243.06	3773979.64	448.98994
414239.81	3773932.92	363.52276	414239.16	3773893.33	307.82965
414646.03	3773967.31	112.89677	414647.97	3773917.34	88.71267
414646.03	3773895.93	81.62502	414646.68	3773877.11	75.93824
414646.68	3773841.42	67.28679	414644.73	3773799.89	59.73103
414649.92	3774091.90	267.58055	414651.87	3774207.40	642.93388
414647.28	3773769.60	54.69962	414647.28	3773722.90	48.77115
414588.50	3773543.39	39.90584	414530.55	3773519.46	45.33406
414486.45	3773503.08	50.11991	414427.23	3773494.26	58.36427
414356.68	3773470.32	66.04824	414273.52	3773436.30	71.56328
414053.04	3773606.39	113.26722	414834.19	3774266.59	307.11328

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA10 ***

INCLUDING SOURCE(S): AREA10 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414016.08	3773637.64	84.76710	414066.08	3773637.64	96.66730
414116.08	3773637.64	106.92639	414166.08	3773637.64	116.49393
414216.08	3773637.64	126.34940	414266.08	3773637.64	132.20468
414316.08	3773637.64	119.18492	414366.08	3773637.64	118.06131
414416.08	3773637.64	118.49725	414466.08	3773637.64	126.60421
414516.08	3773637.64	115.63311	414566.08	3773637.64	104.63069
414616.08	3773637.64	74.79822	414666.08	3773637.64	61.30211
414716.08	3773637.64	49.98134	414766.08	3773637.64	42.66054
414816.08	3773637.64	38.11325	414866.08	3773637.64	34.76122
414916.08	3773637.64	32.07042	414966.08	3773637.64	29.99144
415016.08	3773637.64	28.27008	414016.08	3773687.64	86.07698
414066.08	3773687.64	99.21992	414116.08	3773687.64	110.83857
414166.08	3773687.64	108.91286	414216.08	3773687.64	117.26467
414266.08	3773687.64	123.90276	414316.08	3773687.64	129.85768
414366.08	3773687.64	134.09125	414416.08	3773687.64	137.88610
414466.08	3773687.64	148.37024	414516.08	3773687.64	135.28217
414566.08	3773687.64	123.27274	414616.08	3773687.64	87.02180
414666.08	3773687.64	68.33827	414716.08	3773687.64	56.39165
414766.08	3773687.64	47.79517	414816.08	3773687.64	42.78429
414866.08	3773687.64	38.81473	414916.08	3773687.64	35.83502
414966.08	3773687.64	33.49435	415016.08	3773687.64	31.58716
414016.08	3773737.64	86.88061	414066.08	3773737.64	100.82776

414116.08	3773737.64	116.50499	414166.08	3773737.64	115.29535
414216.08	3773737.64	122.60407	414266.08	3773737.64	135.79469
414316.08	3773737.64	146.87485	414366.08	3773737.64	156.57358
414416.08	3773737.64	162.18752	414466.08	3773737.64	176.56180
414516.08	3773737.64	162.41497	414566.08	3773737.64	147.41777
414616.08	3773737.64	101.47461	414666.08	3773737.64	78.24603
414716.08	3773737.64	63.78271	414766.08	3773737.64	54.32434
414816.08	3773737.64	48.36248	414866.08	3773737.64	44.07188
414916.08	3773737.64	40.83487	414966.08	3773737.64	38.27126
415016.08	3773737.64	36.28342	414016.08	3773787.64	87.49636
414066.08	3773787.64	101.91379	414116.08	3773787.64	123.93388
414166.08	3773787.64	134.93442	414216.08	3773787.64	141.97663
414266.08	3773787.64	158.76545	414316.08	3773787.64	174.07611
414366.08	3773787.64	187.25771	414416.08	3773787.64	201.63143
414466.08	3773787.64	214.18675	414516.08	3773787.64	198.24641
414566.08	3773787.64	179.08231	414616.08	3773787.64	120.23898
414666.08	3773787.64	90.91423	414716.08	3773787.64	73.18735
414766.08	3773787.64	62.48549	414816.08	3773787.64	57.04143

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA10 ***

INCLUDING SOURCE(S): AREA10 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414866.08	3773787.64	50.54118	414916.08	3773787.64	46.85735
414966.08	3773787.64	43.83858	415016.08	3773787.64	41.66336
414016.08	3773837.64	86.71317	414066.08	3773837.64	101.70748
414116.08	3773837.64	120.97115	414166.08	3773837.64	145.22280
414216.08	3773837.64	174.65916	414266.08	3773837.64	208.02703
414316.08	3773837.64	223.10657	414366.08	3773837.64	257.43386
414416.08	3773837.64	262.08941	414466.08	3773837.64	264.92938
414516.08	3773837.64	247.23037	414566.08	3773837.64	218.97119
414616.08	3773837.64	144.01369	414666.08	3773837.64	106.51380
414716.08	3773837.64	85.32021	414766.08	3773837.64	72.94023
414816.08	3773837.64	65.07171	414866.08	3773837.64	59.24265
414916.08	3773837.64	55.26370	414966.08	3773837.64	52.06230
415016.08	3773837.64	49.56543	414016.08	3773887.64	86.12156
414066.08	3773887.64	101.31589	414116.08	3773887.64	120.65989
414166.08	3773887.64	146.17183	414216.08	3773887.64	179.44866
414266.08	3773887.64	223.71798	414316.08	3773887.64	277.31796
414366.08	3773887.64	334.51340	414416.08	3773887.64	356.27488
414466.08	3773887.64	368.25098	414516.08	3773887.64	318.57757
414566.08	3773887.64	275.36950	414616.08	3773887.64	177.15310
414666.08	3773887.64	127.99236	414716.08	3773887.64	101.62930
414766.08	3773887.64	86.85529	414816.08	3773887.64	77.64232
414866.08	3773887.64	71.57345	414916.08	3773887.64	66.38428

414966.08	3773887.64	63.22533	415016.08	3773887.64	59.89484
414016.08	3773937.64	84.50314	414066.08	3773937.64	99.91301
414116.08	3773937.64	119.21962	414166.08	3773937.64	145.13418
414216.08	3773937.64	180.66105	414266.08	3773937.64	231.71662
414316.08	3773937.64	297.60945	414666.08	3773937.64	157.38428
414716.08	3773937.64	125.05947	414766.08	3773937.64	107.72712
414816.08	3773937.64	97.52761	414866.08	3773937.64	90.59616
414916.08	3773937.64	86.52141	414966.08	3773937.64	78.86033
415016.08	3773937.64	74.42148	414016.08	3773987.64	82.43324
414066.08	3773987.64	97.58576	414116.08	3773987.64	117.17609
414166.08	3773987.64	143.60190	414216.08	3773987.64	179.98764
414266.08	3773987.64	232.19690	414316.08	3773987.64	293.62220
414666.08	3773987.64	201.79124	414716.08	3773987.64	161.51166
414766.08	3773987.64	140.78598	414816.08	3773987.64	128.57104
414866.08	3773987.64	118.80585	414916.08	3773987.64	110.30190
414966.08	3773987.64	103.02579	415016.08	3773987.64	94.98123
414016.08	3774037.64	79.55923	414066.08	3774037.64	93.66191
414116.08	3774037.64	112.55467	414166.08	3774037.64	138.18071

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA10 ***

INCLUDING SOURCE(S): AREA10 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414216.08	3774037.64	174.00440	414266.08	3774037.64	227.65176
414316.08	3774037.64	277.13734	414666.08	3774037.64	270.97404
414716.08	3774037.64	226.80198	414766.08	3774037.64	200.31950
414816.08	3774037.64	182.87234	414866.08	3774037.64	165.43328
414916.08	3774037.64	150.61205	414966.08	3774037.64	135.70539
415016.08	3774037.64	122.29565	414016.08	3774087.64	75.63088
414066.08	3774087.64	89.34977	414116.08	3774087.64	107.38086
414166.08	3774087.64	132.23288	414216.08	3774087.64	166.71155
414266.08	3774087.64	217.24374	414316.08	3774087.64	260.16361
414666.08	3774087.64	420.97247	414716.08	3774087.64	363.62165
414766.08	3774087.64	324.68757	414816.08	3774087.64	277.44130
414866.08	3774087.64	243.10373	414916.08	3774087.64	210.24889
414966.08	3774087.64	184.32019	415016.08	3774087.64	161.25248
414016.08	3774137.64	70.53984	414066.08	3774137.64	83.19162
414116.08	3774137.64	99.99174	414166.08	3774137.64	122.24052
414216.08	3774137.64	153.40019	414266.08	3774137.64	199.86514
414316.08	3774137.64	238.78310	414666.08	3774137.64	897.17800
414716.08	3774137.64	713.67257	414766.08	3774137.64	558.61736
414816.08	3774137.64	446.83771	414866.08	3774137.64	359.22673
414916.08	3774137.64	292.14827	414966.08	3774137.64	243.07257
415016.08	3774137.64	206.66246	414016.08	3774187.64	65.03336
414066.08	3774187.64	75.75403	414116.08	3774187.64	90.70247

414166.08	3774187.64	109.67001	414216.08	3774187.64	136.27807
414266.08	3774187.64	174.95437	414316.08	3774187.64	225.57718
414666.08	3774187.64	2497.95631	414716.08	3774187.64	1435.01105
414766.08	3774187.64	942.23302	414816.08	3774187.64	661.74846
414866.08	3774187.64	498.66110	414916.08	3774187.64	388.13197
414966.08	3774187.64	312.07878	415016.08	3774187.64	259.95077
414016.08	3774237.64	58.62687	414066.08	3774237.64	68.07284
414116.08	3774237.64	80.46569	414166.08	3774237.64	95.64324
414216.08	3774237.64	116.25833	414266.08	3774237.64	146.33626
414316.08	3774237.64	188.45397	414666.08	3774237.64	2856.62542
414716.08	3774237.64	1722.82534	414766.08	3774237.64	1144.51461
414816.08	3774237.64	805.40718	414866.08	3774237.64	605.81374
414916.08	3774237.64	463.94008	414966.08	3774237.64	371.74196
415016.08	3774237.64	306.52060	414016.08	3774287.64	52.24685
414066.08	3774287.64	59.95327	414116.08	3774287.64	69.29111
414166.08	3774287.64	81.35291	414216.08	3774287.64	96.76504
414266.08	3774287.64	117.70252	414316.08	3774287.64	147.17304
414666.08	3774287.64	1117.99426	414716.08	3774287.64	1087.06380

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA10 ***

INCLUDING SOURCE(S): AREA10 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414766.08	3774287.64	918.47450	414816.08	3774287.64	729.76134
414866.08	3774287.64	596.62118	414916.08	3774287.64	476.11680
414966.08	3774287.64	391.44275	415016.08	3774287.64	327.76419
414016.08	3774337.64	46.17847	414066.08	3774337.64	52.13657
414116.08	3774337.64	59.49264	414166.08	3774337.64	68.45054
414216.08	3774337.64	79.44785	414266.08	3774337.64	93.97505
414316.08	3774337.64	112.16434	414366.08	3774337.64	134.81811
414416.08	3774337.64	160.88962	414466.08	3774337.64	187.94684
414516.08	3774337.64	211.61429	414566.08	3774337.64	240.10729
414666.08	3774337.64	400.97888	414716.08	3774337.64	502.84585
414766.08	3774337.64	540.90169	414816.08	3774337.64	515.35180
414866.08	3774337.64	476.97619	414916.08	3774337.64	412.15603
414966.08	3774337.64	359.77574	415016.08	3774337.64	312.88098
414016.08	3774387.64	40.30355	414066.08	3774387.64	45.14680
414116.08	3774387.64	50.79993	414166.08	3774387.64	57.49504
414216.08	3774387.64	65.59484	414266.08	3774387.64	75.10635
414316.08	3774387.64	85.80883	414366.08	3774387.64	96.95322
414416.08	3774387.64	107.42888	414466.08	3774387.64	116.56535
414516.08	3774387.64	125.87592	414566.08	3774387.64	136.85906
414616.08	3774387.64	156.11295	414666.08	3774387.64	192.89228
414716.08	3774387.64	241.51079	414766.08	3774387.64	286.69792
414816.08	3774387.64	318.26172	414866.08	3774387.64	323.79169

414916.08	3774387.64	313.05395	414966.08	3774387.64	292.69301
415016.08	3774387.64	268.47141	414016.08	3774437.64	35.71369
414066.08	3774437.64	39.43163	414116.08	3774437.64	43.82510
414166.08	3774437.64	48.46335	414216.08	3774437.64	54.14084
414266.08	3774437.64	59.83952	414316.08	3774437.64	65.35194
414366.08	3774437.64	70.20496	414416.08	3774437.64	74.36784
414466.08	3774437.64	78.78264	414516.08	3774437.64	83.99398
414566.08	3774437.64	88.69874	414616.08	3774437.64	97.16544
414666.08	3774437.64	113.40784	414716.08	3774437.64	135.40559
414766.08	3774437.64	158.33414	414816.08	3774437.64	182.70414
414866.08	3774437.64	202.58458	414916.08	3774437.64	212.49186
414966.08	3774437.64	214.15092	415016.08	3774437.64	209.40259
414016.08	3774487.64	31.55235	414066.08	3774487.64	34.38806
414116.08	3774487.64	37.83558	414166.08	3774487.64	41.04005
414216.08	3774487.64	44.57724	414266.08	3774487.64	47.71153
414316.08	3774487.64	50.35436	414366.08	3774487.64	52.53840
414416.08	3774487.64	54.25536	414466.08	3774487.64	57.30294
414516.08	3774487.64	59.87567	414566.08	3774487.64	62.85187

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA10 ***

INCLUDING SOURCE(S): AREA10 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414616.08	3774487.64	66.82805	414666.08	3774487.64	74.34182
414716.08	3774487.64	84.36418	414766.08	3774487.64	100.25510
414816.08	3774487.64	113.22701	414866.08	3774487.64	128.44666
414916.08	3774487.64	141.25055	414966.08	3774487.64	149.60006
415016.08	3774487.64	153.60059	414016.08	3774537.64	27.95696
414066.08	3774537.64	30.18845	414116.08	3774537.64	32.49896
414166.08	3774537.64	34.61937	414216.08	3774537.64	36.81275
414266.08	3774537.64	38.15508	414316.08	3774537.64	39.24443
414366.08	3774537.64	40.26242	414416.08	3774537.64	41.90913
414466.08	3774537.64	43.49752	414516.08	3774537.64	45.14395
414566.08	3774537.64	46.67788	414616.08	3774537.64	48.91043
414666.08	3774537.64	53.34192	414716.08	3774537.64	59.33639
414766.08	3774537.64	68.29340	414816.08	3774537.64	75.34194
414866.08	3774537.64	85.62510	414916.08	3774537.64	95.11321
414966.08	3774537.64	103.55514	415016.08	3774537.64	110.03230
414016.08	3774587.64	24.78385	414066.08	3774587.64	26.32908
414116.08	3774587.64	27.93335	414166.08	3774587.64	29.20366
414216.08	3774587.64	30.44520	414266.08	3774587.64	30.77593
414316.08	3774587.64	31.38308	414366.08	3774587.64	32.16949
414416.08	3774587.64	33.35709	414466.08	3774587.64	34.60200
414516.08	3774587.64	35.51814	414566.08	3774587.64	36.29920
414616.08	3774587.64	37.62061	414666.08	3774587.64	40.43849

414716.08	3774587.64	44.32991	414766.08	3774587.64	49.64393
414816.08	3774587.64	54.52762	414866.08	3774587.64	60.33776
414916.08	3774587.64	66.54506	414966.08	3774587.64	73.12142
415016.08	3774587.64	78.99803	414016.08	3774637.64	21.88580
414066.08	3774637.64	22.87098	414116.08	3774637.64	23.79546
414166.08	3774637.64	24.45786	414216.08	3774637.64	25.17813
414266.08	3774637.64	25.27771	414316.08	3774637.64	25.62142
414366.08	3774637.64	26.19282	414416.08	3774637.64	27.26641
414466.08	3774637.64	27.89278	414516.08	3774637.64	28.56036
414566.08	3774637.64	29.10336	414616.08	3774637.64	29.94583
414666.08	3774637.64	31.81763	414716.08	3774637.64	34.33677
414766.08	3774637.64	37.56929	414816.08	3774637.64	41.03305
414866.08	3774637.64	44.70421	414916.08	3774637.64	48.68237
414966.08	3774637.64	53.19316	415016.08	3774637.64	57.66059
414361.21	3774308.59	160.49740	414586.99	3774306.89	421.79512
414586.99	3774347.63	225.67092	414636.22	3774347.63	288.99439
414629.43	3773930.02	196.40357	414359.51	3773930.02	365.11699
414406.37	3774308.25	198.45591	414451.52	3774307.91	245.07150

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA10 ***

INCLUDING SOURCE(S): AREA10 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414496.68	3774307.57	294.23899	414541.83	3774307.23	342.81841
414635.47	3774301.23	699.74687	414634.71	3774254.83	2542.04307
414633.96	3774208.43	5764.47061	414633.20	3774162.03	1884.25328
414632.45	3774115.62	713.72831	414631.69	3774069.22	437.25114
414630.94	3774022.82	317.35323	414630.18	3773976.42	245.91598
414584.44	3773930.02	343.25036	414539.46	3773930.02	405.91893
414494.47	3773930.02	461.23078	414449.48	3773930.02	456.83613
414404.50	3773930.02	435.15713	414359.72	3773977.34	396.58910
414359.94	3774024.66	453.58032	414360.15	3774071.98	437.20657
414360.36	3774119.31	400.92676	414360.57	3774166.63	327.69196
414360.79	3774213.95	267.92247	414361.00	3774261.27	212.87567
414651.22	3774193.13	3399.23220	414651.22	3774219.08	4092.34999
414651.87	3774247.64	2836.94591	414651.87	3774278.78	1360.23628
414651.87	3774298.90	831.82909	414652.52	3774320.31	523.81684
414651.87	3774365.09	244.27365	414653.17	3774345.62	330.94327
414649.27	3774056.86	348.99606	414651.22	3774134.08	895.28002
414650.57	3774166.52	1878.86820	414647.97	3774014.03	263.05622
414248.25	3774308.63	100.56697	414246.95	3774293.71	106.67070
414246.30	3774277.48	113.98405	414246.30	3774261.91	121.52627
414246.95	3774244.39	130.47451	414245.65	3774234.01	135.15349
414246.30	3774219.73	142.84236	414245.65	3774206.11	149.17509
414245.00	3774187.94	157.52679	414244.36	3774168.47	165.89188

414244.36	3774156.14	171.09024	414244.36	3774136.02	179.04276
414241.76	3774052.96	198.52035	414242.41	3774036.74	201.50006
414243.06	3774017.27	204.45726	414243.06	3773979.64	207.05798
414239.81	3773932.92	203.43185	414239.16	3773893.33	199.84844
414646.03	3773967.31	207.21831	414647.97	3773917.34	162.21636
414646.03	3773895.93	150.20413	414646.68	3773877.11	138.75106
414646.68	3773841.42	121.27422	414644.73	3773799.89	106.13332
414649.92	3774091.90	482.09955	414651.87	3774207.40	3975.28371
414647.28	3773769.60	94.90183	414647.28	3773722.90	82.61295
414588.50	3773543.39	66.09519	414530.55	3773519.46	77.14247
414486.45	3773503.08	85.08701	414427.23	3773494.26	96.16053
414356.68	3773470.32	100.24955	414273.52	3773436.30	96.45650
414053.04	3773606.39	91.70022	414834.19	3774266.59	719.78352

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA11 ***

INCLUDING SOURCE(S): AREA11 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414016.08	3773637.64	81.71194	414066.08	3773637.64	94.35613
414116.08	3773637.64	111.50071	414166.08	3773637.64	124.38660
414216.08	3773637.64	136.98176	414266.08	3773637.64	146.44417
414316.08	3773637.64	133.52382	414366.08	3773637.64	133.11099
414416.08	3773637.64	135.66259	414466.08	3773637.64	146.28808
414516.08	3773637.64	133.34969	414566.08	3773637.64	107.85402
414616.08	3773637.64	73.14680	414666.08	3773637.64	60.02070
414716.08	3773637.64	49.20614	414766.08	3773637.64	42.39052
414816.08	3773637.64	38.40500	414866.08	3773637.64	35.10330
414916.08	3773637.64	32.46559	414966.08	3773637.64	30.45903
415016.08	3773637.64	28.69714	414016.08	3773687.64	82.08660
414066.08	3773687.64	95.39491	414116.08	3773687.64	116.86225
414166.08	3773687.64	117.62188	414216.08	3773687.64	127.82670
414266.08	3773687.64	136.15152	414316.08	3773687.64	144.35454
414366.08	3773687.64	151.38013	414416.08	3773687.64	159.03130
414466.08	3773687.64	173.86309	414516.08	3773687.64	158.51505
414566.08	3773687.64	131.92448	414616.08	3773687.64	85.27428
414666.08	3773687.64	66.77891	414716.08	3773687.64	55.56284
414766.08	3773687.64	47.71966	414816.08	3773687.64	43.20663
414866.08	3773687.64	39.45503	414916.08	3773687.64	36.45678
414966.08	3773687.64	34.14725	415016.08	3773687.64	32.31365
414016.08	3773737.64	82.23604	414066.08	3773737.64	95.37899
414116.08	3773737.64	122.13133	414166.08	3773737.64	123.77271
414216.08	3773737.64	131.76712	414266.08	3773737.64	148.31026
414316.08	3773737.64	163.19230	414366.08	3773737.64	177.91989
414416.08	3773737.64	188.52151	414466.08	3773737.64	210.03854
414516.08	3773737.64	193.53255	414566.08	3773737.64	164.32243

414616.08	3773737.64	99.22578	414666.08	3773737.64	76.27918
414716.08	3773737.64	63.04794	414766.08	3773737.64	54.64026
414816.08	3773737.64	49.02247	414866.08	3773737.64	44.93958
414916.08	3773737.64	41.82479	414966.08	3773737.64	39.40634
415016.08	3773737.64	37.47047	414016.08	3773787.64	82.35500
414066.08	3773787.64	95.67049	414116.08	3773787.64	126.61254
414166.08	3773787.64	144.32112	414216.08	3773787.64	154.29723
414266.08	3773787.64	175.27451	414316.08	3773787.64	195.59158
414366.08	3773787.64	215.11488	414416.08	3773787.64	239.20918
414466.08	3773787.64	259.35666	414516.08	3773787.64	241.38484
414566.08	3773787.64	210.30704	414616.08	3773787.64	117.40237
414666.08	3773787.64	88.69747	414716.08	3773787.64	72.84951
414766.08	3773787.64	63.22296	414816.08	3773787.64	58.73567

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA11 ***

INCLUDING SOURCE(S): AREA11 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414866.08	3773787.64	51.82466	414916.08	3773787.64	48.19793
414966.08	3773787.64	45.24620	415016.08	3773787.64	43.41542
414016.08	3773837.64	81.01718	414066.08	3773837.64	94.52914
414116.08	3773837.64	112.17450	414166.08	3773837.64	134.36320
414216.08	3773837.64	161.46106	414266.08	3773837.64	224.52416
414316.08	3773837.64	253.91753	414366.08	3773837.64	299.83329
414416.08	3773837.64	316.88301	414466.08	3773837.64	327.71834
414516.08	3773837.64	309.12036	414566.08	3773837.64	269.01903
414616.08	3773837.64	139.82723	414666.08	3773837.64	103.92868
414716.08	3773837.64	85.36531	414766.08	3773837.64	74.21110
414816.08	3773837.64	66.99404	414866.08	3773837.64	61.25753
414916.08	3773837.64	57.76374	414966.08	3773837.64	54.63171
415016.08	3773837.64	52.20712	414016.08	3773887.64	80.07978
414066.08	3773887.64	93.77745	414116.08	3773887.64	110.39976
414166.08	3773887.64	132.76180	414216.08	3773887.64	162.51556
414266.08	3773887.64	204.37689	414316.08	3773887.64	259.24612
414366.08	3773887.64	325.26861	414416.08	3773887.64	442.21190
414466.08	3773887.64	466.24809	414516.08	3773887.64	411.81564
414566.08	3773887.64	353.73904	414616.08	3773887.64	171.38427
414666.08	3773887.64	125.46600	414716.08	3773887.64	102.64199
414766.08	3773887.64	89.23561	414816.08	3773887.64	80.66421
414866.08	3773887.64	75.20829	414916.08	3773887.64	70.27365
414966.08	3773887.64	67.31996	415016.08	3773887.64	63.89326
414016.08	3773937.64	78.11361	414066.08	3773937.64	91.47529
414116.08	3773937.64	108.23484	414166.08	3773937.64	130.12315
414216.08	3773937.64	160.56892	414266.08	3773937.64	206.21036
414316.08	3773937.64	266.76841	414666.08	3773937.64	155.86304

414716.08	3773937.64	128.32526	414766.08	3773937.64	112.98761
414816.08	3773937.64	104.04726	414866.08	3773937.64	97.77906
414916.08	3773937.64	94.51299	414966.08	3773937.64	85.25245
415016.08	3773937.64	80.16103	414016.08	3773987.64	75.40637
414066.08	3773987.64	88.54672	414116.08	3773987.64	105.36106
414166.08	3773987.64	127.91207	414216.08	3773987.64	158.14267
414266.08	3773987.64	201.30789	414316.08	3773987.64	246.60149
414666.08	3773987.64	204.88942	414716.08	3773987.64	171.16112
414766.08	3773987.64	153.08894	414816.08	3773987.64	142.02835
414866.08	3773987.64	131.47366	414916.08	3773987.64	121.54280
414966.08	3773987.64	113.10332	415016.08	3773987.64	103.35719
414016.08	3774037.64	72.07207	414066.08	3774037.64	83.69060
414116.08	3774037.64	99.69719	414166.08	3774037.64	120.70274

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA11 ***

INCLUDING SOURCE(S): AREA11 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414216.08	3774037.64	149.86406	414266.08	3774037.64	193.37644
414316.08	3774037.64	225.38602	414666.08	3774037.64	291.31146
414716.08	3774037.64	257.40500	414766.08	3774037.64	231.06031
414816.08	3774037.64	210.50977	414866.08	3774037.64	187.69964
414916.08	3774037.64	168.81337	414966.08	3774037.64	149.85445
415016.08	3774037.64	133.32662	414016.08	3774087.64	67.59425
414066.08	3774087.64	79.20360	414116.08	3774087.64	93.76888
414166.08	3774087.64	113.92399	414216.08	3774087.64	141.05207
414266.08	3774087.64	180.04459	414316.08	3774087.64	206.60439
414666.08	3774087.64	533.93557	414716.08	3774087.64	461.51634
414766.08	3774087.64	398.27887	414816.08	3774087.64	326.18061
414866.08	3774087.64	278.19321	414916.08	3774087.64	234.73386
414966.08	3774087.64	202.52224	415016.08	3774087.64	174.49079
414016.08	3774137.64	62.02628	414066.08	3774137.64	72.38557
414116.08	3774137.64	85.87505	414166.08	3774137.64	102.88334
414216.08	3774137.64	126.18726	414266.08	3774137.64	160.28128
414316.08	3774137.64	182.90461	414666.08	3774137.64	1486.76776
414716.08	3774137.64	959.45774	414766.08	3774137.64	675.46968
414816.08	3774137.64	512.04749	414866.08	3774137.64	398.60967
414916.08	3774137.64	316.47996	414966.08	3774137.64	259.28207
415016.08	3774137.64	218.16673	414016.08	3774187.64	56.57070
414066.08	3774187.64	64.71680	414116.08	3774187.64	76.35906
414166.08	3774187.64	90.34392	414216.08	3774187.64	109.09966
414266.08	3774187.64	135.26596	414316.08	3774187.64	165.69808
414666.08	3774187.64	2782.93665	414716.08	3774187.64	1498.61598
414766.08	3774187.64	966.55160	414816.08	3774187.64	675.27376
414866.08	3774187.64	508.71370	414916.08	3774187.64	395.19441

414966.08	3774187.64	317.46479	415016.08	3774187.64	265.13819
414016.08	3774237.64	50.35201	414066.08	3774237.64	57.51937
414116.08	3774237.64	66.92226	414166.08	3774237.64	77.40044
414216.08	3774237.64	91.02429	414266.08	3774237.64	110.48226
414316.08	3774237.64	135.26492	414666.08	3774237.64	1304.96835
414716.08	3774237.64	1119.13461	414766.08	3774237.64	878.79900
414816.08	3774237.64	678.70293	414866.08	3774237.64	542.38222
414916.08	3774237.64	428.52979	414966.08	3774237.64	352.78127
415016.08	3774237.64	296.89603	414016.08	3774287.64	44.52958
414066.08	3774287.64	50.37590	414116.08	3774287.64	56.91057
414166.08	3774287.64	65.13637	414216.08	3774287.64	75.20387
414266.08	3774287.64	88.49574	414316.08	3774287.64	106.06671
414666.08	3774287.64	431.94529	414716.08	3774287.64	521.77773

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA11 ***

INCLUDING SOURCE(S): AREA11 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414766.08	3774287.64	542.31046	414816.08	3774287.64	500.11715
414866.08	3774287.64	457.68649	414916.08	3774287.64	390.20550
414966.08	3774287.64	338.57311	415016.08	3774287.64	295.25187
414016.08	3774337.64	39.22919	414066.08	3774337.64	43.66383
414116.08	3774337.64	48.98223	414166.08	3774337.64	55.08786
414216.08	3774337.64	62.23630	414266.08	3774337.64	71.59937
414316.08	3774337.64	82.13869	414366.08	3774337.64	93.55899
414416.08	3774337.64	103.87295	414466.08	3774337.64	113.11824
414516.08	3774337.64	123.03193	414566.08	3774337.64	135.28997
414666.08	3774337.64	193.26677	414716.08	3774337.64	241.85265
414766.08	3774337.64	285.53453	414816.08	3774337.64	307.10112
414866.08	3774337.64	320.05397	414916.08	3774337.64	299.80370
414966.08	3774337.64	281.22722	415016.08	3774337.64	258.82947
414016.08	3774387.64	34.35904	414066.08	3774387.64	37.89354
414116.08	3774387.64	42.01185	414166.08	3774387.64	46.75867
414216.08	3774387.64	52.15096	414266.08	3774387.64	57.96484
414316.08	3774387.64	63.61852	414366.08	3774387.64	68.41526
414416.08	3774387.64	72.06475	414466.08	3774387.64	75.98046
414516.08	3774387.64	81.25031	414566.08	3774387.64	86.36835
414616.08	3774387.64	94.43527	414666.08	3774387.64	110.69231
414716.08	3774387.64	132.66237	414766.08	3774387.64	157.15532
414816.08	3774387.64	183.07623	414866.08	3774387.64	200.90605
414916.08	3774387.64	209.98779	414966.08	3774387.64	210.64187
415016.08	3774387.64	205.27037	414016.08	3774437.64	30.49393
414066.08	3774437.64	33.26622	414116.08	3774437.64	36.64542
414166.08	3774437.64	39.80669	414216.08	3774437.64	43.32384
414266.08	3774437.64	46.52520	414316.08	3774437.64	48.76563

414366.08	3774437.64	50.42024	414416.08	3774437.64	52.12842
414466.08	3774437.64	54.86632	414516.08	3774437.64	58.18522
414566.08	3774437.64	60.29090	414616.08	3774437.64	64.18566
414666.08	3774437.64	72.52706	414716.08	3774437.64	83.70775
414766.08	3774437.64	95.48117	414816.08	3774437.64	109.71574
414866.08	3774437.64	124.74240	414916.08	3774437.64	137.02736
414966.08	3774437.64	145.65800	415016.08	3774437.64	150.00748
414016.08	3774487.64	27.23548	414066.08	3774487.64	29.39825
414116.08	3774487.64	31.80829	414166.08	3774487.64	33.82199
414216.08	3774487.64	35.81735	414266.08	3774487.64	37.22902
414316.08	3774487.64	38.09553	414366.08	3774487.64	38.81451
414416.08	3774487.64	39.74671	414466.08	3774487.64	41.97004
414516.08	3774487.64	43.62090	414566.08	3774487.64	45.01978

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA11 ***

INCLUDING SOURCE(S): AREA11 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414616.08	3774487.64	46.85170	414666.08	3774487.64	51.03671
414716.08	3774487.64	56.78693	414766.08	3774487.64	65.83887
414816.08	3774487.64	73.11636	414866.08	3774487.64	82.60745
414916.08	3774487.64	92.05979	414966.08	3774487.64	100.26993
415016.08	3774487.64	106.80105	414016.08	3774537.64	24.32181
414066.08	3774537.64	25.91843	414116.08	3774537.64	27.49909
414166.08	3774537.64	28.74233	414216.08	3774537.64	29.75224
414266.08	3774537.64	29.92137	414316.08	3774537.64	30.16278
414366.08	3774537.64	30.60851	414416.08	3774537.64	31.91644
414466.08	3774537.64	33.07473	414516.08	3774537.64	34.09805
414566.08	3774537.64	34.79473	414616.08	3774537.64	35.84161
414666.08	3774537.64	38.47367	414716.08	3774537.64	42.21130
414766.08	3774537.64	47.85536	414816.08	3774537.64	51.92069
414866.08	3774537.64	58.12848	414916.08	3774537.64	64.25835
414966.08	3774537.64	70.69750	415016.08	3774537.64	76.42630
414016.08	3774587.64	21.54686	414066.08	3774587.64	22.61123
414116.08	3774587.64	23.63934	414166.08	3774587.64	24.24861
414216.08	3774587.64	24.67517	414266.08	3774587.64	24.50840
414316.08	3774587.64	24.64957	414366.08	3774587.64	25.21167
414416.08	3774587.64	26.22119	414466.08	3774587.64	27.10346
414516.08	3774587.64	27.63309	414566.08	3774587.64	27.85794
414616.08	3774587.64	28.52059	414666.08	3774587.64	30.30750
414716.08	3774587.64	32.83432	414766.08	3774587.64	36.44098
414816.08	3774587.64	39.55942	414866.08	3774587.64	43.20068
414916.08	3774587.64	47.09769	414966.08	3774587.64	51.51201
415016.08	3774587.64	55.97014	414016.08	3774637.64	19.06820
414066.08	3774637.64	19.55655	414116.08	3774637.64	20.00932

414166.08	3774637.64	20.29756	414216.08	3774637.64	20.50928
414266.08	3774637.64	20.33050	414316.08	3774637.64	20.52956
414366.08	3774637.64	21.00510	414416.08	3774637.64	21.92676
414466.08	3774637.64	22.33573	414516.08	3774637.64	22.73756
414566.08	3774637.64	22.89506	414616.08	3774637.64	23.32732
414666.08	3774637.64	24.51060	414716.08	3774637.64	26.26970
414766.08	3774637.64	28.53807	414816.08	3774637.64	30.91413
414866.08	3774637.64	33.39008	414916.08	3774637.64	35.92205
414966.08	3774637.64	38.90203	415016.08	3774637.64	41.95463
414361.21	3774308.59	110.93954	414586.99	3774306.89	204.86206
414586.99	3774347.63	127.75865	414636.22	3774347.63	151.18039
414629.43	3773930.02	189.99409	414359.51	3773930.02	342.03900
414406.37	3774308.25	128.13906	414451.52	3774307.91	144.82266

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA11 ***

INCLUDING SOURCE(S): AREA11 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414496.68	3774307.57	160.22871	414541.83	3774307.23	178.67104
414635.47	3774301.23	285.20194	414634.71	3774254.83	741.88635
414633.96	3774208.43	3064.54095	414633.20	3774162.03	4449.65281
414632.45	3774115.62	1079.46242	414631.69	3774069.22	479.34084
414630.94	3774022.82	316.83192	414630.18	3773976.42	239.25683
414584.44	3773930.02	382.84234	414539.46	3773930.02	537.14347
414494.47	3773930.02	603.75814	414449.48	3773930.02	579.57852
414404.50	3773930.02	426.42021	414359.72	3773977.34	348.61456
414359.94	3774024.66	409.57476	414360.15	3774071.98	357.55310
414360.36	3774119.31	309.70679	414360.57	3774166.63	236.59697
414360.79	3774213.95	183.90030	414361.00	3774261.27	144.51182
414651.22	3774193.13	3390.96198	414651.22	3774219.08	2105.03960
414651.87	3774247.64	1002.25332	414651.87	3774278.78	481.58360
414651.87	3774298.90	328.09511	414652.52	3774320.31	233.76387
414651.87	3774365.09	132.84996	414653.17	3774345.62	166.90696
414649.27	3774056.86	381.87949	414651.22	3774134.08	1575.98621
414650.57	3774166.52	3311.59722	414647.97	3774014.03	266.61520
414248.25	3774308.63	76.96131	414246.95	3774293.71	81.48773
414246.30	3774277.48	87.07946	414246.30	3774261.91	92.82375
414246.95	3774244.39	99.91324	414245.65	3774234.01	103.93822
414246.30	3774219.73	110.47650	414245.65	3774206.11	116.17736
414245.00	3774187.94	124.00447	414244.36	3774168.47	132.31423
414244.36	3774156.14	137.54642	414244.36	3774136.02	145.95336
414241.76	3774052.96	169.79988	414242.41	3774036.74	173.35558
414243.06	3774017.27	177.08056	414243.06	3773979.64	181.65142
414239.81	3773932.92	181.59676	414239.16	3773893.33	181.55968
414646.03	3773967.31	203.59096	414647.97	3773917.34	158.04298

414646.03	3773895.93	145.96583	414646.68	3773877.11	134.73932
414646.68	3773841.42	117.80061	414644.73	3773799.89	103.11821
414649.92	3774091.90	613.10944	414651.87	3774207.40	2711.01426
414647.28	3773769.60	92.28598	414647.28	3773722.90	80.48425
414588.50	3773543.39	65.51473	414530.55	3773519.46	78.41443
414486.45	3773503.08	88.58090	414427.23	3773494.26	102.88017
414356.68	3773470.32	108.90742	414273.52	3773436.30	105.17273
414053.04	3773606.39	90.11886	414834.19	3774266.59	556.93495

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA12 ***

INCLUDING SOURCE(S): AREA12 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414016.08	3773637.64	65.73264	414066.08	3773637.64	75.80900
414116.08	3773637.64	107.69375	414166.08	3773637.64	132.49561
414216.08	3773637.64	152.42697	414266.08	3773637.64	167.38281
414316.08	3773637.64	157.56361	414366.08	3773637.64	157.95199
414416.08	3773637.64	164.58115	414466.08	3773637.64	169.02639
414516.08	3773637.64	152.42524	414566.08	3773637.64	92.91091
414616.08	3773637.64	57.90381	414666.08	3773637.64	48.35443
414716.08	3773637.64	40.57282	414766.08	3773637.64	35.55384
414816.08	3773637.64	32.71498	414866.08	3773637.64	30.31316
414916.08	3773637.64	28.22510	414966.08	3773637.64	26.74020
415016.08	3773637.64	25.40240	414016.08	3773687.64	65.18195
414066.08	3773687.64	75.13731	414116.08	3773687.64	119.22582
414166.08	3773687.64	132.37317	414216.08	3773687.64	145.96502
414266.08	3773687.64	156.34928	414316.08	3773687.64	167.18613
414366.08	3773687.64	179.03173	414416.08	3773687.64	195.34336
414466.08	3773687.64	204.38711	414516.08	3773687.64	186.54501
414566.08	3773687.64	115.37761	414616.08	3773687.64	66.85234
414666.08	3773687.64	53.08381	414716.08	3773687.64	45.63144
414766.08	3773687.64	39.85361	414816.08	3773687.64	36.74984
414866.08	3773687.64	33.72279	414916.08	3773687.64	31.55603
414966.08	3773687.64	29.97400	415016.08	3773687.64	28.63923
414016.08	3773737.64	64.87200	414066.08	3773737.64	74.00710
414116.08	3773737.64	121.25630	414166.08	3773737.64	138.61984
414216.08	3773737.64	146.74533	414266.08	3773737.64	168.00709
414316.08	3773737.64	188.22300	414366.08	3773737.64	212.91778
414416.08	3773737.64	234.53018	414466.08	3773737.64	251.59187
414516.08	3773737.64	232.54351	414566.08	3773737.64	146.23286
414616.08	3773737.64	77.10165	414666.08	3773737.64	60.35410
414716.08	3773737.64	51.54683	414766.08	3773737.64	45.52871
414816.08	3773737.64	41.56910	414866.08	3773737.64	38.52683
414916.08	3773737.64	36.45702	414966.08	3773737.64	34.77344
415016.08	3773737.64	33.54100	414016.08	3773787.64	64.89165

414066.08	3773787.64	73.78114	414116.08	3773787.64	109.76395
414166.08	3773787.64	153.67777	414216.08	3773787.64	175.20028
414266.08	3773787.64	203.88476	414316.08	3773787.64	232.95169
414366.08	3773787.64	263.26848	414416.08	3773787.64	303.65816
414466.08	3773787.64	316.76652	414516.08	3773787.64	298.64990
414566.08	3773787.64	196.10076	414616.08	3773787.64	90.90894
414666.08	3773787.64	70.03622	414716.08	3773787.64	59.40971
414766.08	3773787.64	52.69509	414816.08	3773787.64	50.47598

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA12 ***

INCLUDING SOURCE(S): AREA12 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414866.08	3773787.64	44.51349	414916.08	3773787.64	42.18845
414966.08	3773787.64	40.03038	415016.08	3773787.64	38.71408
414016.08	3773837.64	62.87038	414066.08	3773837.64	72.16438
414116.08	3773837.64	84.00170	414166.08	3773837.64	98.55980
414216.08	3773837.64	116.67358	414266.08	3773837.64	218.01751
414316.08	3773837.64	288.68432	414366.08	3773837.64	359.40760
414416.08	3773837.64	389.69804	414466.08	3773837.64	408.72820
414516.08	3773837.64	397.44384	414566.08	3773837.64	287.80537
414616.08	3773837.64	109.34248	414666.08	3773837.64	82.81114
414716.08	3773837.64	70.04797	414766.08	3773837.64	62.13465
414816.08	3773837.64	56.97477	414866.08	3773837.64	53.24449
414916.08	3773837.64	50.99164	414966.08	3773837.64	48.88164
415016.08	3773837.64	46.86950	414016.08	3773887.64	61.80271
414066.08	3773887.64	70.98923	414116.08	3773887.64	82.11682
414166.08	3773887.64	96.76143	414216.08	3773887.64	116.31038
414266.08	3773887.64	144.91541	414316.08	3773887.64	186.17652
414366.08	3773887.64	245.78508	414416.08	3773887.64	371.92438
414466.08	3773887.64	470.07667	414516.08	3773887.64	554.97247
414566.08	3773887.64	422.98968	414616.08	3773887.64	137.37139
414666.08	3773887.64	101.94778	414716.08	3773887.64	85.60558
414766.08	3773887.64	75.81527	414816.08	3773887.64	70.03803
414866.08	3773887.64	66.52261	414916.08	3773887.64	62.75126
414966.08	3773887.64	60.41991	415016.08	3773887.64	57.69457
414016.08	3773937.64	59.34637	414066.08	3773937.64	68.68989
414116.08	3773937.64	79.39783	414166.08	3773937.64	94.03648
414216.08	3773937.64	114.21709	414266.08	3773937.64	144.60832
414316.08	3773937.64	187.50322	414666.08	3773937.64	132.17680
414716.08	3773937.64	110.88865	414766.08	3773937.64	99.70780
414816.08	3773937.64	93.42212	414866.08	3773937.64	88.53609
414916.08	3773937.64	86.06483	414966.08	3773937.64	77.39792
415016.08	3773937.64	72.62257	414016.08	3773987.64	56.83983
414066.08	3773987.64	65.65955	414116.08	3773987.64	76.63110

414166.08	3773987.64	91.32033	414216.08	3773987.64	111.32887
414266.08	3773987.64	140.35405	414316.08	3773987.64	178.99796
414666.08	3773987.64	187.67215	414716.08	3773987.64	159.91789
414766.08	3773987.64	144.99999	414816.08	3773987.64	133.72086
414866.08	3773987.64	122.64189	414916.08	3773987.64	112.41150
414966.08	3773987.64	103.99908	415016.08	3773987.64	94.68938
414016.08	3774037.64	53.73515	414066.08	3774037.64	60.89404
414116.08	3774037.64	71.19218	414166.08	3774037.64	84.91925

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA12 ***

INCLUDING SOURCE(S): AREA12 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414216.08	3774037.64	104.07522	414266.08	3774037.64	133.01263
414316.08	3774037.64	168.78258	414666.08	3774037.64	320.37977
414716.08	3774037.64	278.14865	414766.08	3774037.64	240.17502
414816.08	3774037.64	208.28381	414866.08	3774037.64	179.71480
414916.08	3774037.64	157.47336	414966.08	3774037.64	137.57096
415016.08	3774037.64	121.06820	414016.08	3774087.64	49.80537
414066.08	3774087.64	57.09997	414116.08	3774087.64	66.15073
414166.08	3774087.64	78.83692	414216.08	3774087.64	95.98732
414266.08	3774087.64	121.22767	414316.08	3774087.64	153.32950
414666.08	3774087.64	835.05698	414716.08	3774087.64	593.57085
414766.08	3774087.64	438.56466	414816.08	3774087.64	332.09012
414866.08	3774087.64	265.57413	414916.08	3774087.64	216.68822
414966.08	3774087.64	182.83911	415016.08	3774087.64	155.50745
414016.08	3774137.64	45.23960	414066.08	3774137.64	51.46024
414116.08	3774137.64	59.79656	414166.08	3774137.64	70.01535
414216.08	3774137.64	84.19394	414266.08	3774137.64	105.04972
414316.08	3774137.64	130.35692	414666.08	3774137.64	2410.77351
414716.08	3774137.64	1186.93821	414766.08	3774137.64	723.73736
414816.08	3774137.64	497.89504	414866.08	3774137.64	367.79507
414916.08	3774137.64	284.40890	414966.08	3774137.64	228.56084
415016.08	3774137.64	189.83959	414016.08	3774187.64	41.02579
414066.08	3774187.64	45.69156	414116.08	3774187.64	52.74513
414166.08	3774187.64	60.70794	414216.08	3774187.64	71.58595
414266.08	3774187.64	86.82843	414316.08	3774187.64	107.06979
414666.08	3774187.64	1594.03459	414716.08	3774187.64	1167.42573
414766.08	3774187.64	809.79879	414816.08	3774187.64	578.63526
414866.08	3774187.64	433.03898	414916.08	3774187.64	335.74019
414966.08	3774187.64	268.71378	415016.08	3774187.64	223.34188
414016.08	3774237.64	36.29884	414066.08	3774237.64	40.56135
414116.08	3774237.64	46.01488	414166.08	3774237.64	51.79559
414216.08	3774237.64	59.53353	414266.08	3774237.64	70.51848
414316.08	3774237.64	85.01628	414666.08	3774237.64	468.00522

414716.08	3774237.64	550.79058	414766.08	3774237.64	534.82733
414816.08	3774237.64	467.04881	414866.08	3774237.64	394.83033
414916.08	3774237.64	327.97017	414966.08	3774237.64	275.77048
415016.08	3774237.64	235.67528	414016.08	3774287.64	32.12847
414066.08	3774287.64	35.50288	414116.08	3774287.64	39.17685
414166.08	3774287.64	43.93430	414216.08	3774287.64	49.80005
414266.08	3774287.64	57.55064	414316.08	3774287.64	67.62105
414666.08	3774287.64	191.20700	414716.08	3774287.64	234.80637

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA12 ***
INCLUDING SOURCE(S): AREA12 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414766.08	3774287.64	271.29174	414816.08	3774287.64	284.23058
414866.08	3774287.64	281.36457	414916.08	3774287.64	260.71653
414966.08	3774287.64	238.10368	415016.08	3774287.64	215.61852
414016.08	3774337.64	28.38579	414066.08	3774337.64	30.97817
414116.08	3774337.64	34.14747	414166.08	3774337.64	37.84086
414216.08	3774337.64	42.16288	414266.08	3774337.64	47.54412
414316.08	3774337.64	53.08845	414366.08	3774337.64	58.04692
414416.08	3774337.64	61.70533	414466.08	3774337.64	66.20583
414516.08	3774337.64	73.33116	414566.08	3774337.64	79.09326
414666.08	3774337.64	103.28059	414716.08	3774337.64	122.18303
414766.08	3774337.64	142.38617	414816.08	3774337.64	160.55866
414866.08	3774337.64	176.02630	414916.08	3774337.64	179.07775
414966.08	3774337.64	178.23370	415016.08	3774337.64	172.84597
414016.08	3774387.64	25.12829	414066.08	3774387.64	27.34537
414116.08	3774387.64	29.93822	414166.08	3774387.64	32.79162
414216.08	3774387.64	35.87400	414266.08	3774387.64	38.85223
414316.08	3774387.64	41.18304	414366.08	3774387.64	42.67782
414416.08	3774387.64	44.13476	414466.08	3774387.64	47.22216
414516.08	3774387.64	51.20212	414566.08	3774387.64	53.64169
414616.08	3774387.64	57.25502	414666.08	3774387.64	65.19831
414716.08	3774387.64	74.96152	414766.08	3774387.64	85.16033
414816.08	3774387.64	96.93070	414866.08	3774387.64	108.28584
414916.08	3774387.64	117.85710	414966.08	3774387.64	124.29763
415016.08	3774387.64	127.25525	414016.08	3774437.64	22.70558
414066.08	3774437.64	24.44193	414116.08	3774437.64	26.55813
414166.08	3774437.64	28.26671	414216.08	3774437.64	30.02583
414266.08	3774437.64	31.28684	414316.08	3774437.64	31.79399
414366.08	3774437.64	32.20280	414416.08	3774437.64	33.40049
414466.08	3774437.64	35.78408	414516.08	3774437.64	38.09828
414566.08	3774437.64	39.04716	414616.08	3774437.64	40.82189
414666.08	3774437.64	45.24393	414716.08	3774437.64	50.97591
414766.08	3774437.64	56.60169	414816.08	3774437.64	62.86122

414866.08	3774437.64	70.15407	414916.08	3774437.64	77.50959
414966.08	3774437.64	84.34692	415016.08	3774437.64	89.83124
414016.08	3774487.64	20.59690	414066.08	3774487.64	21.91435
414116.08	3774487.64	23.25242	414166.08	3774487.64	24.12557
414216.08	3774487.64	24.89868	414266.08	3774487.64	25.12055
414316.08	3774487.64	25.18036	414366.08	3774487.64	25.50316
414416.08	3774487.64	26.52440	414466.08	3774487.64	28.34149
414516.08	3774487.64	29.50843	414566.08	3774487.64	30.02777

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA12 ***

INCLUDING SOURCE(S): AREA12 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414616.08	3774487.64	30.84221	414666.08	3774487.64	33.31620
414716.08	3774487.64	36.72144	414766.08	3774487.64	41.11287
414816.08	3774487.64	44.64293	414866.08	3774487.64	49.02871
414916.08	3774487.64	53.94085	414966.08	3774487.64	58.94207
415016.08	3774487.64	63.79158	414016.08	3774537.64	18.58183
414066.08	3774537.64	19.44468	414116.08	3774537.64	20.19973
414166.08	3774537.64	20.56343	414216.08	3774537.64	20.77639
414266.08	3774537.64	20.39199	414316.08	3774537.64	20.36451
414366.08	3774537.64	20.82410	414416.08	3774537.64	21.98796
414466.08	3774537.64	23.00374	414516.08	3774537.64	23.70196
414566.08	3774537.64	23.84683	414616.08	3774537.64	24.26651
414666.08	3774537.64	25.85633	414716.08	3774537.64	28.15593
414766.08	3774537.64	31.17969	414816.08	3774537.64	33.48037
414866.08	3774537.64	36.46162	414916.08	3774537.64	39.54616
414966.08	3774537.64	43.00332	415016.08	3774537.64	46.60906
414016.08	3774587.64	16.50434	414066.08	3774587.64	16.95610
414116.08	3774587.64	17.39411	414166.08	3774587.64	17.43317
414216.08	3774587.64	17.35619	414266.08	3774587.64	16.97427
414316.08	3774587.64	17.06728	414366.08	3774587.64	17.63899
414416.08	3774587.64	18.49411	414466.08	3774587.64	19.23928
414516.08	3774587.64	19.56709	414566.08	3774587.64	19.53036
414616.08	3774587.64	19.73488	414666.08	3774587.64	20.81382
414716.08	3774587.64	22.47324	414766.08	3774587.64	24.56274
414816.08	3774587.64	26.40771	414866.08	3774587.64	28.36825
414916.08	3774587.64	30.35465	414966.08	3774587.64	32.67133
415016.08	3774587.64	35.19418	414016.08	3774637.64	14.60278
414066.08	3774637.64	14.66183	414116.08	3774637.64	14.71105
414166.08	3774637.64	14.65753	414216.08	3774637.64	14.59182
414266.08	3774637.64	14.35409	414316.08	3774637.64	14.58120
414366.08	3774637.64	15.09362	414416.08	3774637.64	15.84056
414466.08	3774637.64	16.19819	414516.08	3774637.64	16.43523
414566.08	3774637.64	16.33975	414616.08	3774637.64	16.44475

414666.08	3774637.64	17.19667	414716.08	3774637.64	18.34815
414766.08	3774637.64	19.79278	414816.08	3774637.64	21.29492
414866.08	3774637.64	22.75823	414916.08	3774637.64	24.14683
414966.08	3774637.64	25.70710	415016.08	3774637.64	27.40553
414361.21	3774308.59	69.03548	414586.99	3774306.89	110.14470
414586.99	3774347.63	74.71331	414636.22	3774347.63	84.71077
414629.43	3773930.02	156.69808	414359.51	3773930.02	247.14614
414406.37	3774308.25	76.16987	414451.52	3774307.91	82.22822

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA12 ***

INCLUDING SOURCE(S): AREA12 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414496.68	3774307.57	90.44103	414541.83	3774307.23	100.83406
414635.47	3774301.23	139.60305	414634.71	3774254.83	275.99453
414633.96	3774208.43	806.92380	414633.20	3774162.03	3893.07149
414632.45	3774115.62	2891.31058	414631.69	3774069.22	652.78961
414630.94	3774022.82	320.99129	414630.18	3773976.42	211.86355
414584.44	3773930.02	301.91079	414539.46	3773930.02	637.53276
414494.47	3773930.02	604.99885	414449.48	3773930.02	555.51980
414404.50	3773930.02	333.86412	414359.72	3773977.34	248.28249
414359.94	3774024.66	267.93997	414360.15	3774071.98	236.66092
414360.36	3774119.31	201.79001	414360.57	3774166.63	155.08580
414360.79	3774213.95	117.04356	414361.00	3774261.27	90.39578
414651.22	3774193.13	1413.53796	414651.22	3774219.08	672.93520
414651.87	3774247.64	351.27195	414651.87	3774278.78	205.12536
414651.87	3774298.90	154.66117	414652.52	3774320.31	119.41332
414651.87	3774365.09	75.90754	414653.17	3774345.62	91.49905
414649.27	3774056.86	467.49232	414651.22	3774134.08	3077.75862
414650.57	3774166.52	2824.15133	414647.97	3774014.03	261.87180
414248.25	3774308.63	50.77283	414246.95	3774293.71	53.41513
414246.30	3774277.48	56.59713	414246.30	3774261.91	60.06359
414246.95	3774244.39	64.35242	414245.65	3774234.01	66.88084
414246.30	3774219.73	70.98856	414245.65	3774206.11	74.77139
414245.00	3774187.94	80.11266	414244.36	3774168.47	86.00370
414244.36	3774156.14	89.85071	414244.36	3774136.02	96.14067
414241.76	3774052.96	116.14975	414242.41	3774036.74	119.31492
414243.06	3774017.27	122.68702	414243.06	3773979.64	127.16603
414239.81	3773932.92	128.20256	414239.16	3773893.33	128.93830
414646.03	3773967.31	177.88254	414647.97	3773917.34	129.59491
414646.03	3773895.93	117.49562	414646.68	3773877.11	107.32892
414646.68	3773841.42	92.59032	414644.73	3773799.89	80.53769
414649.92	3774091.90	1055.08267	414651.87	3774207.40	931.59262
414647.28	3773769.60	72.17087	414647.28	3773722.90	63.19996
414588.50	3773543.39	53.03587	414530.55	3773519.46	65.21031

414486.45	3773503.08	75.53237	414427.23	3773494.26	90.78156
414356.68	3773470.32	98.34705	414273.52	3773436.30	96.18758
414053.04	3773606.39	73.33944	414834.19	3774266.59	350.37691

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA13 ***

INCLUDING SOURCE(S): AREA13 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414016.08	3773637.64	73.46143	414066.08	3773637.64	85.15162
414116.08	3773637.64	116.13282	414166.08	3773637.64	138.75816
414216.08	3773637.64	155.15662	414266.08	3773637.64	173.49650
414316.08	3773637.64	165.89208	414366.08	3773637.64	169.00315
414416.08	3773637.64	177.90334	414466.08	3773637.64	192.75638
414516.08	3773637.64	175.19062	414566.08	3773637.64	119.53230
414616.08	3773637.64	73.34323	414666.08	3773637.64	60.17612
414716.08	3773637.64	49.77449	414766.08	3773637.64	43.24236
414816.08	3773637.64	39.47740	414866.08	3773637.64	36.34561
414916.08	3773637.64	33.79203	414966.08	3773637.64	31.94311
415016.08	3773637.64	30.56070	414016.08	3773687.64	72.98317
414066.08	3773687.64	84.56720	414116.08	3773687.64	124.46868
414166.08	3773687.64	132.98762	414216.08	3773687.64	148.38008
414266.08	3773687.64	162.05855	414316.08	3773687.64	177.21008
414366.08	3773687.64	192.91252	414416.08	3773687.64	212.27638
414466.08	3773687.64	235.84333	414516.08	3773687.64	215.70009
414566.08	3773687.64	151.10042	414616.08	3773687.64	85.74650
414666.08	3773687.64	66.71011	414716.08	3773687.64	56.68089
414766.08	3773687.64	48.98870	414816.08	3773687.64	44.87991
414866.08	3773687.64	41.12560	414916.08	3773687.64	38.42755
414966.08	3773687.64	36.47329	415016.08	3773687.64	34.93846
414016.08	3773737.64	72.44525	414066.08	3773737.64	83.48596
414116.08	3773737.64	127.90600	414166.08	3773737.64	137.94836
414216.08	3773737.64	149.03160	414266.08	3773737.64	174.02297
414316.08	3773737.64	199.64084	414366.08	3773737.64	229.18316
414416.08	3773737.64	256.51609	414466.08	3773737.64	294.48303
414516.08	3773737.64	272.87307	414566.08	3773737.64	196.03168
414616.08	3773737.64	100.39800	414666.08	3773737.64	76.88712
414716.08	3773737.64	64.83973	414766.08	3773737.64	56.69351
414816.08	3773737.64	51.51276	414866.08	3773737.64	47.79698
414916.08	3773737.64	45.24153	414966.08	3773737.64	43.22024
415016.08	3773737.64	41.55532	414016.08	3773787.64	72.24157
414066.08	3773787.64	83.07553	414116.08	3773787.64	118.70372
414166.08	3773787.64	155.76164	414216.08	3773787.64	174.94421
414266.08	3773787.64	206.88738	414316.08	3773787.64	242.06487
414366.08	3773787.64	281.43241	414416.08	3773787.64	336.14224
414466.08	3773787.64	377.51282	414516.08	3773787.64	356.83146

414566.08	3773787.64	268.66361	414616.08	3773787.64	119.87431
414666.08	3773787.64	90.35533	414716.08	3773787.64	75.84026
414766.08	3773787.64	66.81874	414816.08	3773787.64	64.21532

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA13 ***

INCLUDING SOURCE(S): AREA13 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414866.08	3773787.64	56.69911	414916.08	3773787.64	53.73486
414966.08	3773787.64	50.92438	415016.08	3773787.64	49.02061
414016.08	3773837.64	69.83701	414066.08	3773837.64	80.79266
414116.08	3773837.64	94.93688	414166.08	3773837.64	112.41230
414216.08	3773837.64	133.56135	414266.08	3773837.64	239.68360
414316.08	3773837.64	309.21042	414366.08	3773837.64	384.57536
414416.08	3773837.64	451.03090	414466.08	3773837.64	497.73724
414516.08	3773837.64	487.07115	414566.08	3773837.64	397.60961
414616.08	3773837.64	145.84287	414666.08	3773837.64	108.42129
414716.08	3773837.64	91.23281	414766.08	3773837.64	80.94847
414816.08	3773837.64	74.71148	414866.08	3773837.64	70.04651
414916.08	3773837.64	66.91758	414966.08	3773837.64	63.68913
415016.08	3773837.64	60.58251	414016.08	3773887.64	68.28144
414066.08	3773887.64	79.04585	414116.08	3773887.64	92.13684
414166.08	3773887.64	109.34050	414216.08	3773887.64	132.17633
414266.08	3773887.64	165.41618	414316.08	3773887.64	212.89073
414366.08	3773887.64	284.17011	414416.08	3773887.64	483.01809
414466.08	3773887.64	661.63691	414516.08	3773887.64	704.37687
414566.08	3773887.64	597.25642	414616.08	3773887.64	186.61928
414666.08	3773887.64	136.61231	414716.08	3773887.64	114.88348
414766.08	3773887.64	102.80089	414816.08	3773887.64	95.82095
414866.08	3773887.64	90.95050	414916.08	3773887.64	84.85520
414966.08	3773887.64	80.91899	415016.08	3773887.64	76.20275
414016.08	3773937.64	65.07357	414066.08	3773937.64	75.81062
414116.08	3773937.64	88.24855	414166.08	3773937.64	104.89097
414216.08	3773937.64	127.89728	414266.08	3773937.64	162.96715
414316.08	3773937.64	211.02196	414666.08	3773937.64	184.80090
414716.08	3773937.64	158.16684	414766.08	3773937.64	144.47559
414816.08	3773937.64	134.97081	414866.08	3773937.64	126.36818
414916.08	3773937.64	120.90196	414966.08	3773937.64	106.00678
415016.08	3773937.64	97.58941	414016.08	3773987.64	61.77140
414066.08	3773987.64	71.63318	414116.08	3773987.64	84.02137
414166.08	3773987.64	100.45882	414216.08	3773987.64	122.58119
414266.08	3773987.64	154.47855	414316.08	3773987.64	191.78842
414666.08	3773987.64	292.17413	414716.08	3773987.64	255.47664
414766.08	3773987.64	227.78295	414816.08	3773987.64	203.63545
414866.08	3773987.64	180.35953	414916.08	3773987.64	159.93107

414966.08	3773987.64	143.82348	415016.08	3773987.64	127.15691
414016.08	3774037.64	57.73288	414066.08	3774037.64	65.66403
414116.08	3774037.64	76.81050	414166.08	3774037.64	91.46736

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA13 ***

INCLUDING SOURCE(S): AREA13 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414216.08	3774037.64	111.73974	414266.08	3774037.64	141.98077
414316.08	3774037.64	171.27053	414666.08	3774037.64	643.70672
414716.08	3774037.64	510.61223	414766.08	3774037.64	399.28566
414816.08	3774037.64	322.45982	414866.08	3774037.64	263.33207
414916.08	3774037.64	221.74737	414966.08	3774037.64	187.50816
415016.08	3774037.64	160.55596	414016.08	3774087.64	52.84916
414066.08	3774087.64	60.52383	414116.08	3774087.64	70.03288
414166.08	3774087.64	83.19303	414216.08	3774087.64	100.34751
414266.08	3774087.64	124.65533	414316.08	3774087.64	147.25479
414666.08	3774087.64	1991.76357	414716.08	3774087.64	1063.36977
414766.08	3774087.64	688.52143	414816.08	3774087.64	483.90705
414866.08	3774087.64	371.97880	414916.08	3774087.64	294.50351
414966.08	3774087.64	243.36640	415016.08	3774087.64	202.86703
414016.08	3774137.64	47.32016	414066.08	3774137.64	53.84214
414116.08	3774137.64	62.16148	414166.08	3774137.64	72.14823
414216.08	3774137.64	85.46984	414266.08	3774137.64	104.13432
414316.08	3774137.64	119.27378	414666.08	3774137.64	2194.35033
414716.08	3774137.64	1323.46093	414766.08	3774137.64	859.82861
414816.08	3774137.64	609.96121	414866.08	3774137.64	457.51068
414916.08	3774137.64	355.22156	414966.08	3774137.64	285.52824
415016.08	3774137.64	236.85132	414016.08	3774187.64	42.43071
414066.08	3774187.64	47.09008	414116.08	3774187.64	54.05151
414166.08	3774187.64	61.47011	414216.08	3774187.64	71.26209
414266.08	3774187.64	84.23079	414316.08	3774187.64	98.65445
414666.08	3774187.64	719.30676	414716.08	3774187.64	757.96911
414766.08	3774187.64	663.60936	414816.08	3774187.64	543.85560
414866.08	3774187.64	444.84506	414916.08	3774187.64	364.10619
414966.08	3774187.64	302.02285	415016.08	3774187.64	257.65160
414016.08	3774237.64	37.23902	414066.08	3774237.64	41.45671
414116.08	3774237.64	46.77761	414166.08	3774237.64	52.11821
414216.08	3774237.64	59.00002	414266.08	3774237.64	68.54668
414316.08	3774237.64	79.69261	414666.08	3774237.64	260.72566
414716.08	3774237.64	322.71007	414766.08	3774237.64	360.07036
414816.08	3774237.64	360.02026	414866.08	3774237.64	342.02602
414916.08	3774237.64	306.77672	414966.08	3774237.64	274.90532
415016.08	3774237.64	246.51729	414016.08	3774287.64	32.83677
414066.08	3774287.64	36.27897	414116.08	3774287.64	39.85537

414166.08	3774287.64	44.38407	414216.08	3774287.64	49.61541
414266.08	3774287.64	55.97176	414316.08	3774287.64	63.29139
414666.08	3774287.64	130.71026	414716.08	3774287.64	157.47666

*** AERMOD - VERSION 19191 *** *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc *** 05/24/21
*** AERMET - VERSION 16216 *** *** *** 12:11:05
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA13 ***
INCLUDING SOURCE(S): AREA13 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414766.08	3774287.64	185.99342	414816.08	3774287.64	206.27206
414866.08	3774287.64	223.18861	414916.08	3774287.64	220.92240
414966.08	3774287.64	215.21205	415016.08	3774287.64	206.04856
414016.08	3774337.64	29.13953	414066.08	3774337.64	31.80096
414116.08	3774337.64	34.88149	414166.08	3774337.64	38.24204
414216.08	3774337.64	41.79318	414266.08	3774337.64	45.77693
414316.08	3774337.64	49.10198	414366.08	3774337.64	51.49048
414416.08	3774337.64	53.28466	414466.08	3774337.64	56.59351
414516.08	3774337.64	60.89959	414566.08	3774337.64	64.29833
414666.08	3774337.64	79.17712	414716.08	3774337.64	92.51121
414766.08	3774337.64	107.13014	414816.08	3774337.64	121.73828
414866.08	3774337.64	139.08973	414916.08	3774337.64	146.48693
414966.08	3774337.64	153.20303	415016.08	3774337.64	155.61436
414016.08	3774387.64	25.90512	414066.08	3774387.64	28.09051
414116.08	3774387.64	30.41706	414166.08	3774387.64	32.83625
414216.08	3774387.64	35.16553	414266.08	3774387.64	37.03888
414316.08	3774387.64	38.16431	414366.08	3774387.64	38.82785
414416.08	3774387.64	39.99181	414466.08	3774387.64	42.31667
414516.08	3774387.64	44.78150	414566.08	3774387.64	46.23370
414616.08	3774387.64	48.52518	414666.08	3774387.64	53.94308
414716.08	3774387.64	61.41543	414766.08	3774387.64	69.49114
414816.08	3774387.64	79.03478	414866.08	3774387.64	88.69215
414916.08	3774387.64	98.16597	414966.08	3774387.64	106.11068
415016.08	3774387.64	111.84179	414016.08	3774437.64	23.33902
414066.08	3774437.64	24.93504	414116.08	3774437.64	26.69981
414166.08	3774437.64	27.98822	414216.08	3774437.64	29.17401
414266.08	3774437.64	29.77078	414316.08	3774437.64	29.84527
414366.08	3774437.64	30.14891	414416.08	3774437.64	31.27010
414466.08	3774437.64	33.07553	414516.08	3774437.64	34.57906
414566.08	3774437.64	35.07484	414616.08	3774437.64	36.26903
414666.08	3774437.64	39.49329	414716.08	3774437.64	44.05277
414766.08	3774437.64	48.69230	414816.08	3774437.64	53.96039
414866.08	3774437.64	60.04871	414916.08	3774437.64	66.47360
414966.08	3774437.64	72.97854	415016.08	3774437.64	78.81687
414016.08	3774487.64	20.94327	414066.08	3774487.64	22.11085
414116.08	3774487.64	23.14851	414166.08	3774487.64	23.71533
414216.08	3774487.64	24.08620	414266.08	3774487.64	24.08244

414316.08	3774487.64	24.10286	414366.08	3774487.64	24.53047
414416.08	3774487.64	25.39192	414466.08	3774487.64	26.78028
414516.08	3774487.64	27.47434	414566.08	3774487.64	27.82776

*** AERMOD - VERSION 19191 *** *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc *** 05/24/21
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA13 ***

INCLUDING SOURCE(S): AREA13 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414616.08	3774487.64	28.35921	414666.08	3774487.64	30.14555
414716.08	3774487.64	32.81087	414766.08	3774487.64	36.85620
414816.08	3774487.64	39.91897	414866.08	3774487.64	43.79247
414916.08	3774487.64	47.99619	414966.08	3774487.64	52.40672
415016.08	3774487.64	56.90764	414016.08	3774537.64	18.75828
414066.08	3774537.64	19.37772	414116.08	3774537.64	19.96069
414166.08	3774537.64	20.13522	414216.08	3774537.64	20.23966
414266.08	3774537.64	19.83007	414316.08	3774537.64	19.85807
414366.08	3774537.64	20.35633	414416.08	3774537.64	21.37520
414466.08	3774537.64	22.07738	414516.08	3774537.64	22.48092
414566.08	3774537.64	22.57703	414616.08	3774537.64	22.86512
414666.08	3774537.64	24.04827	414716.08	3774537.64	25.93691
414766.08	3774537.64	28.76296	414816.08	3774537.64	30.79529
414866.08	3774537.64	33.57958	414916.08	3774537.64	36.29884
414966.08	3774537.64	39.32242	415016.08	3774537.64	42.48251
414016.08	3774587.64	16.51973	414066.08	3774587.64	16.85089
414116.08	3774587.64	17.12759	414166.08	3774587.64	17.11852
414216.08	3774587.64	17.03365	414266.08	3774587.64	16.72784
414316.08	3774587.64	16.88393	414366.08	3774587.64	17.48261
414416.08	3774587.64	18.19240	414466.08	3774587.64	18.70955
414516.08	3774587.64	18.85211	414566.08	3774587.64	18.80140
414616.08	3774587.64	18.96751	414666.08	3774587.64	19.81084
414716.08	3774587.64	21.15106	414766.08	3774587.64	23.10492
414816.08	3774587.64	24.82193	414866.08	3774587.64	26.68071
414916.08	3774587.64	28.52541	414966.08	3774587.64	30.62326
415016.08	3774587.64	32.81585	414016.08	3774637.64	14.55552
414066.08	3774637.64	14.54683	414116.08	3774637.64	14.52778
414166.08	3774637.64	14.44952	414216.08	3774637.64	14.47451
414266.08	3774637.64	14.34283	414316.08	3774637.64	14.60321
414366.08	3774637.64	15.04203	414416.08	3774637.64	15.68159
414466.08	3774637.64	15.86162	414516.08	3774637.64	16.00200
414566.08	3774637.64	15.93854	414616.08	3774637.64	16.03133
414666.08	3774637.64	16.62178	414716.08	3774637.64	17.60709
414766.08	3774637.64	18.90017	414816.08	3774637.64	20.30608
414866.08	3774637.64	21.75195	414916.08	3774637.64	23.07490
414966.08	3774637.64	24.53722	415016.08	3774637.64	26.05641
414361.21	3774308.59	61.21628	414586.99	3774306.89	84.47004

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     414586.99   3774347.63      61.10426              414636.22   3774347.63      67.35221
     414629.43   3773930.02     217.77884              414359.51   3773930.02     280.41527
     414406.37   3774308.25      64.49252              414451.52   3774307.91      67.89398
  *** AERMOD - VERSION  19191 ***   *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc
***       05/24/21
 *** AERMET - VERSION  16216 ***   ***                                                ***       12:11:05
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 *** MODELOPTs:   RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                  *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP:
AREA13  ***
                     INCLUDING SOURCE(S):    AREA13     ,

                           *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                         ** CONC OF OTHER    IN MICROGRAMS/M**3                  **

    X-COORD (M)   Y-COORD (M)       CONC              X-COORD (M)   Y-COORD (M)       CONC
-----------------------------------------------------------------------------------------
     414496.68   3774307.57      73.13266              414541.83   3774307.23      78.87965
     414635.47   3774301.23     101.45100              414634.71   3774254.83     172.90244
     414633.96   3774208.43     368.91630              414633.20   3774162.03    1245.77574
     414632.45   3774115.62    5020.07446              414631.69   3774069.22    1979.84785
     414630.94   3774022.82     564.42002              414630.18   3773976.42     313.06181
     414584.44   3773930.02     482.10423              414539.46   3773930.02     999.28373
     414494.47   3773930.02     923.80037              414449.48   3773930.02     763.97228
     414404.50   3773930.02     384.83326              414359.72   3773977.34     272.64856
     414359.94   3774024.66     299.77150              414360.15   3774071.98     241.77739
     414360.36   3774119.31     189.43048              414360.57   3774166.63     136.19592
     414360.79   3774213.95     103.14699              414361.00   3774261.27      80.23230
     414651.22   3774193.13     582.28959              414651.22   3774219.08     335.04769
     414651.87   3774247.64     208.68217              414651.87   3774278.78     138.05893
     414651.87   3774298.90     110.26674              414652.52   3774320.31      89.46389
     414651.87   3774365.09      61.42885              414653.17   3774345.62      71.79794
     414649.27   3774056.86    1131.67172              414651.22   3774134.08    2732.67210
     414650.57   3774166.52    1177.12395              414647.97   3774014.03     447.95121
     414248.25   3774308.63      49.80844              414246.95   3774293.71      52.54697
     414246.30   3774277.48      55.76679              414246.30   3774261.91      59.12067
     414246.95   3774244.39      63.19401              414245.65   3774234.01      65.68179
     414246.30   3774219.73      69.65997              414245.65   3774206.11      73.35912
     414245.00   3774187.94      78.84540              414244.36   3774168.47      85.11622
     414244.36   3774156.14      89.36965              414244.36   3774136.02      96.69933
     414241.76   3774052.96     123.70715              414242.41   3774036.74     128.28116
     414243.06   3774017.27     133.35061              414243.06   3773979.64     140.78250
     414239.81   3773932.92     144.57452              414239.16   3773893.33     147.06947
     414646.03   3773967.31     259.38427              414647.97   3773917.34     177.63984
     414646.03   3773895.93     158.87760              414646.68   3773877.11     143.73720
     414646.68   3773841.42     122.26863              414644.73   3773799.89     104.99128
     414649.92   3774091.90    2874.88898              414651.87   3774207.40     424.51658
     414647.28   3773769.60      93.26173              414647.28   3773722.90      80.73949
     414588.50   3773543.39      66.42159              414530.55   3773519.46      81.91473
     414486.45   3773503.08      94.63686              414427.23   3773494.26     112.44580
     414356.68   3773470.32     118.91672              414273.52   3773436.30     112.81762
     414053.04   3773606.39      82.11587              414834.19   3774266.59     266.87629
  *** AERMOD - VERSION  19191 ***   *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc
***       05/24/21
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA14 ***

INCLUDING SOURCE(S): AREA14 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414016.08	3773637.64	86.22957	414066.08	3773637.64	100.90412
414116.08	3773637.64	123.18650	414166.08	3773637.64	141.30099
414216.08	3773637.64	162.05022	414266.08	3773637.64	179.78697
414316.08	3773637.64	169.50458	414366.08	3773637.64	177.86798
414416.08	3773637.64	186.97339	414466.08	3773637.64	209.87567
414516.08	3773637.64	194.00412	414566.08	3773637.64	172.25946
414616.08	3773637.64	110.61389	414666.08	3773637.64	86.60659
414716.08	3773637.64	68.95685	414766.08	3773637.64	58.56440
414816.08	3773637.64	52.42212	414866.08	3773637.64	47.82794
414916.08	3773637.64	44.33385	414966.08	3773637.64	41.82348
415016.08	3773637.64	39.67594	414016.08	3773687.64	85.95307
414066.08	3773687.64	101.04520	414116.08	3773687.64	124.86707
414166.08	3773687.64	127.83952	414216.08	3773687.64	145.68571
414266.08	3773687.64	164.66206	414316.08	3773687.64	185.77308
414366.08	3773687.64	206.04108	414416.08	3773687.64	224.93194
414466.08	3773687.64	257.44449	414516.08	3773687.64	239.36180
414566.08	3773687.64	215.15097	414616.08	3773687.64	133.98026
414666.08	3773687.64	99.28604	414716.08	3773687.64	80.44889
414766.08	3773687.64	67.96431	414816.08	3773687.64	61.07157
414866.08	3773687.64	55.76364	414916.08	3773687.64	51.99643
414966.08	3773687.64	48.92918	415016.08	3773687.64	46.63705
414016.08	3773737.64	85.29263	414066.08	3773737.64	100.22692
414116.08	3773737.64	127.17203	414166.08	3773737.64	131.28634
414216.08	3773737.64	148.42155	414266.08	3773737.64	177.42848
414316.08	3773737.64	209.40911	414366.08	3773737.64	244.03554
414416.08	3773737.64	273.97686	414466.08	3773737.64	323.45293
414516.08	3773737.64	307.69798	414566.08	3773737.64	277.35843
414616.08	3773737.64	163.41466	414666.08	3773737.64	117.99558
414716.08	3773737.64	94.91308	414766.08	3773737.64	81.04845
414816.08	3773737.64	72.76021	414866.08	3773737.64	67.11504
414916.08	3773737.64	63.00198	414966.08	3773737.64	59.72513
415016.08	3773737.64	56.85457	414016.08	3773787.64	84.44185
414066.08	3773787.64	99.27295	414116.08	3773787.64	129.73274
414166.08	3773787.64	148.86817	414216.08	3773787.64	165.65356
414266.08	3773787.64	200.55811	414316.08	3773787.64	242.84623
414366.08	3773787.64	292.67627	414416.08	3773787.64	352.15906
414466.08	3773787.64	417.43353	414516.08	3773787.64	408.86395
414566.08	3773787.64	371.32793	414616.08	3773787.64	204.71089
414666.08	3773787.64	144.07005	414716.08	3773787.64	115.35754
414766.08	3773787.64	99.66488	414816.08	3773787.64	93.59125

*** AERMOD - VERSION 19191 *** *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc *** 05/24/21

*** AERMET - VERSION 16216 *** *** *** 12:11:05

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA14 ***

INCLUDING SOURCE(S): AREA14 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414866.08	3773787.64	83.29509	414916.08	3773787.64	78.17485
414966.08	3773787.64	73.08277	415016.08	3773787.64	69.34490
414016.08	3773837.64	82.06307	414066.08	3773837.64	96.76461
414116.08	3773837.64	116.32472	414166.08	3773837.64	141.96164
414216.08	3773837.64	175.43242	414266.08	3773837.64	253.44015
414316.08	3773837.64	302.69095	414366.08	3773837.64	404.51780
414416.08	3773837.64	475.14929	414466.08	3773837.64	555.03362
414516.08	3773837.64	569.01010	414566.08	3773837.64	511.71820
414616.08	3773837.64	261.88437	414666.08	3773837.64	180.66692
414716.08	3773837.64	146.34990	414766.08	3773837.64	128.49263
414816.08	3773837.64	117.51111	414866.08	3773837.64	108.55589
414916.08	3773837.64	101.53937	414966.08	3773837.64	94.63049
415016.08	3773837.64	88.02932	414016.08	3773887.64	79.47031
414066.08	3773887.64	93.89056	414116.08	3773887.64	112.50704
414166.08	3773887.64	137.60070	414216.08	3773887.64	172.11970
414266.08	3773887.64	223.38799	414316.08	3773887.64	299.64941
414366.08	3773887.64	417.62865	414416.08	3773887.64	674.87135
414466.08	3773887.64	857.49357	414516.08	3773887.64	848.67518
414566.08	3773887.64	757.26763	414616.08	3773887.64	352.92367
414666.08	3773887.64	242.13896	414716.08	3773887.64	200.29711
414766.08	3773887.64	178.05178	414816.08	3773887.64	162.47887
414866.08	3773887.64	149.38935	414916.08	3773887.64	135.33348
414966.08	3773887.64	124.62860	415016.08	3773887.64	113.84032
414016.08	3773937.64	75.57662	414066.08	3773937.64	89.48113
414116.08	3773937.64	107.03242	414166.08	3773937.64	130.95163
414216.08	3773937.64	164.65250	414266.08	3773937.64	216.45458
414316.08	3773937.64	292.24801	414666.08	3773937.64	364.88225
414716.08	3773937.64	313.50027	414766.08	3773937.64	277.73322
414816.08	3773937.64	246.58187	414866.08	3773937.64	218.08987
414916.08	3773937.64	196.43676	414966.08	3773937.64	166.68737
415016.08	3773937.64	147.49657	414016.08	3773987.64	71.00595
414066.08	3773987.64	83.75713	414116.08	3773987.64	100.33464
414166.08	3773987.64	122.87936	414216.08	3773987.64	154.23143
414266.08	3773987.64	200.45852	414316.08	3773987.64	256.20674
414666.08	3773987.64	721.79448	414716.08	3773987.64	593.58797
414766.08	3773987.64	477.58207	414816.08	3773987.64	389.28044
414866.08	3773987.64	319.02530	414916.08	3773987.64	265.85394
414966.08	3773987.64	226.47432	415016.08	3773987.64	192.63365
414016.08	3774037.64	65.61241	414066.08	3774037.64	76.28361
414116.08	3774037.64	90.69242	414166.08	3774037.64	110.14707

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA14 ***

INCLUDING SOURCE(S): AREA14 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414216.08	3774037.64	137.25791	414266.08	3774037.64	177.95567
414316.08	3774037.64	213.78540	414666.08	3774037.64	1966.65874
414716.08	3774037.64	1221.34589	414766.08	3774037.64	818.68504
414816.08	3774037.64	599.13313	414866.08	3774037.64	454.64402
414916.08	3774037.64	361.61354	414966.08	3774037.64	292.39660
415016.08	3774037.64	241.72564	414016.08	3774087.64	59.43513
414066.08	3774087.64	68.87454	414116.08	3774087.64	80.94926
414166.08	3774087.64	97.33813	414216.08	3774087.64	119.15972
414266.08	3774087.64	149.97395	414316.08	3774087.64	171.89604
414666.08	3774087.64	3013.57910	414716.08	3774087.64	1697.69025
414766.08	3774087.64	1115.74610	414816.08	3774087.64	769.46217
414866.08	3774087.64	578.46984	414916.08	3774087.64	446.41168
414966.08	3774087.64	358.90652	415016.08	3774087.64	292.66792
414016.08	3774137.64	52.77874	414066.08	3774137.64	60.68166
414116.08	3774137.64	70.56238	414166.08	3774137.64	82.92270
414216.08	3774137.64	99.12503	414266.08	3774137.64	121.31544
414316.08	3774137.64	133.92102	414666.08	3774137.64	1368.13129
414716.08	3774137.64	1215.94805	414766.08	3774137.64	965.19914
414816.08	3774137.64	759.93541	414866.08	3774137.64	596.66916
414916.08	3774137.64	473.29603	414966.08	3774137.64	383.95447
415016.08	3774137.64	318.25236	414016.08	3774187.64	46.75984
414066.08	3774187.64	52.72401	414116.08	3774187.64	60.65161
414166.08	3774187.64	69.81811	414216.08	3774187.64	81.48748
414266.08	3774187.64	96.43593	414316.08	3774187.64	111.67522
414666.08	3774187.64	477.11714	414716.08	3774187.64	585.36248
414766.08	3774187.64	604.61680	414816.08	3774187.64	554.09873
414866.08	3774187.64	490.96068	414916.08	3774187.64	422.43478
414966.08	3774187.64	362.22873	415016.08	3774187.64	313.68533
414016.08	3774237.64	40.97221	414066.08	3774237.64	46.13781
414116.08	3774237.64	52.12697	414166.08	3774237.64	58.76313
414216.08	3774237.64	66.84945	414266.08	3774237.64	77.07306
414316.08	3774237.64	88.07867	414666.08	3774237.64	212.47432
414716.08	3774237.64	267.42469	414766.08	3774237.64	317.17352
414816.08	3774237.64	338.84952	414866.08	3774237.64	344.03855
414916.08	3774237.64	323.15205	414966.08	3774237.64	300.28106
415016.08	3774237.64	275.47278	414016.08	3774287.64	36.19790
414066.08	3774287.64	40.24912	414116.08	3774287.64	44.45285
414166.08	3774287.64	49.52282	414216.08	3774287.64	55.18722
414266.08	3774287.64	61.52291	414316.08	3774287.64	67.96851
414666.08	3774287.64	119.89913	414716.08	3774287.64	144.36709

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA14 ***

INCLUDING SOURCE(S): AREA14 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414766.08	3774287.64	173.12566	414816.08	3774287.64	195.55617
414866.08	3774287.64	220.19066	414916.08	3774287.64	223.42551
414966.08	3774287.64	223.74365	415016.08	3774287.64	219.06693
414016.08	3774337.64	32.04515	414066.08	3774337.64	35.00982
414116.08	3774337.64	38.46828	414166.08	3774337.64	42.05265
414216.08	3774337.64	45.50382	414266.08	3774337.64	49.15435
414316.08	3774337.64	52.19814	414366.08	3774337.64	54.63276
414416.08	3774337.64	56.93162	414466.08	3774337.64	59.94319
414516.08	3774337.64	62.81464	414566.08	3774337.64	65.55765
414666.08	3774337.64	77.90745	414716.08	3774337.64	90.68942
414766.08	3774337.64	105.65360	414816.08	3774337.64	120.21555
414866.08	3774337.64	139.30471	414916.08	3774337.64	148.04283
414966.08	3774337.64	157.08183	415016.08	3774337.64	161.76872
414016.08	3774387.64	28.29321	414066.08	3774387.64	30.61234
414116.08	3774387.64	33.02903	414166.08	3774387.64	35.33955
414216.08	3774387.64	37.49590	414266.08	3774387.64	39.36951
414316.08	3774387.64	40.75891	414366.08	3774387.64	41.92781
414416.08	3774387.64	43.50342	414466.08	3774387.64	45.44455
414516.08	3774387.64	47.22991	414566.08	3774387.64	48.63605
414616.08	3774387.64	50.81963	414666.08	3774387.64	55.55546
414716.08	3774387.64	62.71836	414766.08	3774387.64	71.02065
414816.08	3774387.64	81.14412	414866.08	3774387.64	91.19943
414916.08	3774387.64	100.85591	414966.08	3774387.64	109.16989
415016.08	3774387.64	115.77638	414016.08	3774437.64	25.11720
414066.08	3774437.64	26.77880	414116.08	3774437.64	28.50933
414166.08	3774437.64	29.78875	414216.08	3774437.64	30.93491
414266.08	3774437.64	31.79820	414316.08	3774437.64	32.27769
414366.08	3774437.64	33.12750	414416.08	3774437.64	34.32445
414466.08	3774437.64	35.73033	414516.08	3774437.64	36.92578
414566.08	3774437.64	37.56392	414616.08	3774437.64	38.86804
414666.08	3774437.64	41.78506	414716.08	3774437.64	46.14018
414766.08	3774437.64	50.84188	414816.08	3774437.64	56.56535
414866.08	3774437.64	63.04078	414916.08	3774437.64	69.56843
414966.08	3774437.64	76.21647	415016.08	3774437.64	82.27201
414016.08	3774487.64	22.26615	414066.08	3774487.64	23.36474
414116.08	3774487.64	24.38871	414166.08	3774487.64	25.10169
414216.08	3774487.64	25.60738	414266.08	3774487.64	25.97410
414316.08	3774487.64	26.37694	414366.08	3774487.64	27.07587
414416.08	3774487.64	27.91561	414466.08	3774487.64	29.07107
414516.08	3774487.64	29.54997	414566.08	3774487.64	30.14867

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA14 ***

INCLUDING SOURCE(S): AREA14 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414616.08	3774487.64	30.80211	414666.08	3774487.64	32.38705
414716.08	3774487.64	34.85795	414766.08	3774487.64	39.07642
414816.08	3774487.64	42.36396	414866.08	3774487.64	46.63540
414916.08	3774487.64	50.95256	414966.08	3774487.64	55.43395
415016.08	3774487.64	60.02383	414016.08	3774537.64	19.69649
414066.08	3774537.64	20.36632	414116.08	3774537.64	20.96515
414166.08	3774537.64	21.31311	414216.08	3774537.64	21.56117
414266.08	3774537.64	21.59907	414316.08	3774537.64	21.95986
414366.08	3774537.64	22.57500	414416.08	3774537.64	23.42931
414466.08	3774537.64	24.00141	414516.08	3774537.64	24.36132
414566.08	3774537.64	24.59559	414616.08	3774537.64	25.03935
414666.08	3774537.64	26.15668	414716.08	3774537.64	27.90498
414766.08	3774537.64	30.77723	414816.08	3774537.64	32.93706
414866.08	3774537.64	36.03021	414916.08	3774537.64	38.92047
414966.08	3774537.64	42.09450	415016.08	3774537.64	45.27053
414016.08	3774587.64	17.30142	414066.08	3774587.64	17.68309
414116.08	3774587.64	18.02127	414166.08	3774587.64	18.18093
414216.08	3774587.64	18.35219	414266.08	3774587.64	18.35620
414316.08	3774587.64	18.69466	414366.08	3774587.64	19.27613
414416.08	3774587.64	19.92492	414466.08	3774587.64	20.35192
414516.08	3774587.64	20.49766	414566.08	3774587.64	20.57258
414616.08	3774587.64	20.84394	414666.08	3774587.64	21.65076
414716.08	3774587.64	22.95216	414766.08	3774587.64	24.92749
414816.08	3774587.64	26.72083	414866.08	3774587.64	28.76867
414916.08	3774587.64	30.76740	414966.08	3774587.64	33.00907
415016.08	3774587.64	35.28021	414016.08	3774637.64	15.21239
414066.08	3774637.64	15.34187	414116.08	3774637.64	15.44965
414166.08	3774637.64	15.53713	414216.08	3774637.64	15.72935
414266.08	3774637.64	15.81078	414316.08	3774637.64	16.14179
414366.08	3774637.64	16.60195	414416.08	3774637.64	17.12831
414466.08	3774637.64	17.29753	414516.08	3774637.64	17.44958
414566.08	3774637.64	17.47501	414616.08	3774637.64	17.69111
414666.08	3774637.64	18.27437	414716.08	3774637.64	19.19048
414766.08	3774637.64	20.48733	414816.08	3774637.64	21.93355
414866.08	3774637.64	23.45348	414916.08	3774637.64	24.93800
414966.08	3774637.64	26.58051	415016.08	3774637.64	28.19650
414361.21	3774308.59	64.49316	414586.99	3774306.89	83.40315
414586.99	3774347.63	62.67279	414636.22	3774347.63	68.01714
414629.43	3773930.02	428.46570	414359.51	3773930.02	405.34462
414406.37	3774308.25	67.73514	414451.52	3774307.91	71.16104

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA14 ***
INCLUDING SOURCE(S): AREA14 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414496.68	3774307.57	74.90153	414541.83	3774307.23	78.62306
414635.47	3774301.23	97.03961	414634.71	3774254.83	150.84759
414633.96	3774208.43	273.27326	414633.20	3774162.03	648.89159
414632.45	3774115.62	2408.02883	414631.69	3774069.22	5950.82362
414630.94	3774022.82	1868.64310	414630.18	3773976.42	700.01242
414584.44	3773930.02	1145.22678	414539.46	3773930.02	1425.54637
414494.47	3773930.02	1361.97166	414449.48	3773930.02	1012.64457
414404.50	3773930.02	580.49072	414359.72	3773977.34	381.33819
414359.94	3774024.66	386.74982	414360.15	3774071.98	298.84281
414360.36	3774119.31	219.59847	414360.57	3774166.63	149.99931
414360.79	3774213.95	110.90609	414361.00	3774261.27	84.81829
414651.22	3774193.13	392.20904	414651.22	3774219.08	257.55654
414651.87	3774247.64	177.12080	414651.87	3774278.78	126.10291
414651.87	3774298.90	104.37347	414652.52	3774320.31	87.18542
414651.87	3774365.09	62.60475	414653.17	3774345.62	71.89452
414649.27	3774056.86	3614.72958	414651.22	3774134.08	1474.43458
414650.57	3774166.52	667.09803	414647.97	3774014.03	1339.65393
414248.25	3774308.63	54.40627	414246.95	3774293.71	57.79103
414246.30	3774277.48	61.87281	414246.30	3774261.91	66.03872
414246.95	3774244.39	71.13408	414245.65	3774234.01	74.13024
414246.30	3774219.73	78.92231	414245.65	3774206.11	83.50975
414245.00	3774187.94	90.10376	414244.36	3774168.47	97.81078
414244.36	3774156.14	103.08503	414244.36	3774136.02	112.35465
414241.76	3774052.96	151.08943	414242.41	3774036.74	158.60660
414243.06	3774017.27	167.13703	414243.06	3773979.64	180.30693
414239.81	3773932.92	188.40198	414239.16	3773893.33	193.72068
414646.03	3773967.31	566.35698	414647.97	3773917.34	336.02998
414646.03	3773895.93	290.95418	414646.68	3773877.11	256.65285
414646.68	3773841.42	210.05344	414644.73	3773799.89	174.15632
414649.92	3774091.90	3664.10577	414651.87	3774207.40	309.25699
414647.28	3773769.60	150.23653	414647.28	3773722.90	125.42455
414588.50	3773543.39	95.11415	414530.55	3773519.46	115.03326
414486.45	3773503.08	128.49580	414427.23	3773494.26	145.46476
414356.68	3773470.32	146.07866	414273.52	3773436.30	131.83984
414053.04	3773606.39	96.40003	414834.19	3774266.59	255.40137

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:

AREA15 ***

INCLUDING SOURCE(S): AREA15 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414016.08	3773637.64	87.87044	414066.08	3773637.64	103.36157
414116.08	3773637.64	125.78815	414166.08	3773637.64	145.23718
414216.08	3773637.64	168.91165	414266.08	3773637.64	190.04941
414316.08	3773637.64	183.23739	414366.08	3773637.64	196.98265
414416.08	3773637.64	210.13033	414466.08	3773637.64	238.27869
414516.08	3773637.64	221.87370	414566.08	3773637.64	200.91195
414616.08	3773637.64	132.22798	414666.08	3773637.64	101.45488
414716.08	3773637.64	79.53875	414766.08	3773637.64	66.96770
414816.08	3773637.64	59.76567	414866.08	3773637.64	54.59249
414916.08	3773637.64	50.71540	414966.08	3773637.64	47.88379
415016.08	3773637.64	45.49407	414016.08	3773687.64	87.29233
414066.08	3773687.64	103.05872	414116.08	3773687.64	125.47156
414166.08	3773687.64	129.39384	414216.08	3773687.64	150.10912
414266.08	3773687.64	173.89567	414316.08	3773687.64	201.40657
414366.08	3773687.64	229.51826	414416.08	3773687.64	255.30988
414466.08	3773687.64	295.82149	414516.08	3773687.64	277.86777
414566.08	3773687.64	256.36556	414616.08	3773687.64	163.31643
414666.08	3773687.64	118.06709	414716.08	3773687.64	94.10657
414766.08	3773687.64	79.08239	414816.08	3773687.64	71.06076
414866.08	3773687.64	64.96642	414916.08	3773687.64	60.69456
414966.08	3773687.64	57.38990	415016.08	3773687.64	54.40210
414016.08	3773737.64	86.23129	414066.08	3773737.64	101.78140
414116.08	3773737.64	126.42281	414166.08	3773737.64	131.51149
414216.08	3773737.64	151.97874	414266.08	3773737.64	185.80451
414316.08	3773737.64	225.74173	414366.08	3773737.64	271.19161
414416.08	3773737.64	313.92372	414466.08	3773737.64	376.87040
414516.08	3773737.64	365.32738	414566.08	3773737.64	338.54944
414616.08	3773737.64	204.20675	414666.08	3773737.64	143.03330
414716.08	3773737.64	113.40221	414766.08	3773737.64	96.67975
414816.08	3773737.64	87.10856	414866.08	3773737.64	80.61004
414916.08	3773737.64	75.72638	414966.08	3773737.64	71.52339
415016.08	3773737.64	67.56872	414016.08	3773787.64	84.74886
414066.08	3773787.64	100.10866	414116.08	3773787.64	128.39047
414166.08	3773787.64	146.57733	414216.08	3773787.64	165.49728
414266.08	3773787.64	204.98900	414316.08	3773787.64	256.68159
414366.08	3773787.64	321.74558	414416.08	3773787.64	402.62716
414466.08	3773787.64	494.78269	414516.08	3773787.64	499.92567
414566.08	3773787.64	466.65739	414616.08	3773787.64	264.20875
414666.08	3773787.64	179.45566	414716.08	3773787.64	142.46415
414766.08	3773787.64	123.57861	414816.08	3773787.64	116.66978

*** AERMOD - VERSION 19191 *** *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:

AREA15 ***

INCLUDING SOURCE(S): AREA15 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414866.08	3773787.64	103.84258	414916.08	3773787.64	96.69610
414966.08	3773787.64	89.81281	415016.08	3773787.64	84.22997
414016.08	3773837.64	81.81769	414066.08	3773837.64	96.90016
414116.08	3773837.64	116.99999	414166.08	3773837.64	143.78393
414216.08	3773837.64	179.76629	414266.08	3773837.64	254.08944
414316.08	3773837.64	308.30754	414366.08	3773837.64	430.62104
414416.08	3773837.64	535.44077	414466.08	3773837.64	668.88626
414516.08	3773837.64	724.34350	414566.08	3773837.64	665.60183
414616.08	3773837.64	352.61691	414666.08	3773837.64	235.05434
414716.08	3773837.64	191.10727	414766.08	3773837.64	168.98583
414816.08	3773837.64	154.34838	414866.08	3773837.64	140.99032
414916.08	3773837.64	129.75156	414966.08	3773837.64	118.71376
415016.08	3773837.64	108.67865	414016.08	3773887.64	78.57463
414066.08	3773887.64	93.03206	414116.08	3773887.64	112.00770
414166.08	3773887.64	137.81066	414216.08	3773887.64	173.83803
414266.08	3773887.64	228.06512	414316.08	3773887.64	311.21140
414366.08	3773887.64	447.47249	414416.08	3773887.64	751.79833
414466.08	3773887.64	1087.01938	414516.08	3773887.64	1145.15135
414566.08	3773887.64	1060.62327	414616.08	3773887.64	505.90030
414666.08	3773887.64	342.71805	414716.08	3773887.64	287.89283
414766.08	3773887.64	254.27041	414816.08	3773887.64	226.44379
414866.08	3773887.64	201.83865	414916.08	3773887.64	177.24498
414966.08	3773887.64	158.72018	415016.08	3773887.64	141.39995
414016.08	3773937.64	73.92161	414066.08	3773937.64	87.58539
414116.08	3773937.64	105.13312	414166.08	3773937.64	129.14537
414216.08	3773937.64	163.24030	414266.08	3773937.64	215.84092
414316.08	3773937.64	295.46938	414666.08	3773937.64	619.86096
414716.08	3773937.64	520.27554	414766.08	3773937.64	431.97300
414816.08	3773937.64	359.20536	414866.08	3773937.64	300.90114
414916.08	3773937.64	258.97032	414966.08	3773937.64	213.19303
415016.08	3773937.64	183.71721	414016.08	3773987.64	68.65291
414066.08	3773987.64	80.85847	414116.08	3773987.64	96.79697
414166.08	3773987.64	118.52860	414216.08	3773987.64	148.95193
414266.08	3773987.64	194.01696	414316.08	3773987.64	251.97257
414666.08	3773987.64	1637.92149	414716.08	3773987.64	1087.79328
414766.08	3773987.64	758.63859	414816.08	3773987.64	563.35502
414866.08	3773987.64	433.81651	414916.08	3773987.64	345.54842
414966.08	3773987.64	284.35027	415016.08	3773987.64	235.88716
414016.08	3774037.64	62.64134	414066.08	3774037.64	72.72119
414116.08	3774037.64	86.20400	414166.08	3774037.64	104.27917

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:

AREA15 ***

INCLUDING SOURCE(S): AREA15 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414216.08	3774037.64	129.18675	414266.08	3774037.64	166.17811
414316.08	3774037.64	201.45605	414666.08	3774037.64	3373.10169
414716.08	3774037.64	1796.08068	414766.08	3774037.64	1115.91561
414816.08	3774037.64	776.06158	414866.08	3774037.64	570.15741
414916.08	3774037.64	441.53147	414966.08	3774037.64	350.68026
415016.08	3774037.64	285.87617	414016.08	3774087.64	56.19156
414066.08	3774087.64	64.83230	414116.08	3774087.64	75.76074
414166.08	3774087.64	90.31217	414216.08	3774087.64	109.49247
414266.08	3774087.64	135.97265	414316.08	3774087.64	155.80696
414666.08	3774087.64	2052.61705	414716.08	3774087.64	1541.01457
414766.08	3774087.64	1126.34289	414816.08	3774087.64	818.96017
414866.08	3774087.64	627.83802	414916.08	3774087.64	490.72391
414966.08	3774087.64	395.52784	415016.08	3774087.64	323.88997
414016.08	3774137.64	49.66053	414066.08	3774137.64	56.62426
414116.08	3774137.64	65.43637	414166.08	3774137.64	76.19179
414216.08	3774137.64	90.00965	414266.08	3774137.64	108.37861
414316.08	3774137.64	119.46562	414666.08	3774137.64	713.20865
414716.08	3774137.64	805.01104	414766.08	3774137.64	757.22436
414816.08	3774137.64	662.01163	414866.08	3774137.64	555.66923
414916.08	3774137.64	461.48901	414966.08	3774137.64	386.04683
415016.08	3774137.64	326.52710	414016.08	3774187.64	43.90382
414066.08	3774187.64	49.05050	414116.08	3774187.64	56.04970
414166.08	3774187.64	63.95251	414216.08	3774187.64	73.78519
414266.08	3774187.64	85.82361	414316.08	3774187.64	97.68740
414666.08	3774187.64	292.06654	414716.08	3774187.64	372.70878
414766.08	3774187.64	423.41838	414816.08	3774187.64	425.91723
414866.08	3774187.64	406.75382	414916.08	3774187.64	370.95880
414966.08	3774187.64	332.16858	415016.08	3774187.64	297.04219
414016.08	3774237.64	38.49958	414066.08	3774237.64	42.83937
414116.08	3774237.64	48.16843	414166.08	3774237.64	53.80280
414216.08	3774237.64	60.48092	414266.08	3774237.64	68.31893
414316.08	3774237.64	76.12321	414666.08	3774237.64	151.82867
414716.08	3774237.64	186.56688	414766.08	3774237.64	224.36149
414816.08	3774237.64	250.41386	414866.08	3774237.64	267.88613
414916.08	3774237.64	264.60931	414966.08	3774237.64	257.15426
415016.08	3774237.64	244.26520	414016.08	3774287.64	34.01511
414066.08	3774287.64	37.37627	414116.08	3774287.64	41.12443
414166.08	3774287.64	45.27785	414216.08	3774287.64	49.70908
414266.08	3774287.64	54.28239	414316.08	3774287.64	58.63413
414666.08	3774287.64	93.86559	414716.08	3774287.64	110.22807

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:

AREA15 ***

INCLUDING SOURCE(S): AREA15 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414766.08	3774287.64	130.42083	414816.08	3774287.64	147.94186
414866.08	3774287.64	169.86696	414916.08	3774287.64	177.94454
414966.08	3774287.64	184.22009	415016.08	3774287.64	185.77956
414016.08	3774337.64	30.13500	414066.08	3774337.64	32.53739
414116.08	3774337.64	35.38939	414166.08	3774337.64	38.20285
414216.08	3774337.64	40.90055	414266.08	3774337.64	43.40560
414316.08	3774337.64	45.44317	414366.08	3774337.64	47.25467
414416.08	3774337.64	49.13526	414466.08	3774337.64	51.51304
414516.08	3774337.64	53.61636	414566.08	3774337.64	55.67407
414666.08	3774337.64	64.42093	414716.08	3774337.64	73.56693
414766.08	3774337.64	84.43895	414816.08	3774337.64	95.30227
414866.08	3774337.64	110.27417	414916.08	3774337.64	118.35489
414966.08	3774337.64	127.77719	415016.08	3774337.64	134.38283
414016.08	3774387.64	26.50768	414066.08	3774387.64	28.38536
414116.08	3774387.64	30.30644	414166.08	3774387.64	32.01789
414216.08	3774387.64	33.70977	414266.08	3774387.64	34.96054
414316.08	3774387.64	35.94176	414366.08	3774387.64	37.02691
414416.08	3774387.64	38.40523	414466.08	3774387.64	39.95323
414516.08	3774387.64	41.28163	414566.08	3774387.64	42.37964
414616.08	3774387.64	44.11771	414666.08	3774387.64	47.61316
414716.08	3774387.64	52.92444	414766.08	3774387.64	59.29701
414816.08	3774387.64	67.05652	414866.08	3774387.64	74.62721
414916.08	3774387.64	82.52176	414966.08	3774387.64	89.86713
415016.08	3774387.64	96.47915	414016.08	3774437.64	23.51879
414066.08	3774437.64	24.71898	414116.08	3774437.64	26.13072
414166.08	3774437.64	26.97341	414216.08	3774437.64	27.95113
414266.08	3774437.64	28.51483	414316.08	3774437.64	28.97935
414366.08	3774437.64	29.77280	414416.08	3774437.64	30.86375
414466.08	3774437.64	31.98386	414516.08	3774437.64	32.90652
414566.08	3774437.64	33.43864	414616.08	3774437.64	34.50174
414666.08	3774437.64	36.74817	414716.08	3774437.64	40.11695
414766.08	3774437.64	43.83426	414816.08	3774437.64	48.32432
414866.08	3774437.64	53.38722	414916.08	3774437.64	58.74025
414966.08	3774437.64	64.02537	415016.08	3774437.64	69.27254
414016.08	3774487.64	20.75040	414066.08	3774487.64	21.60376
414116.08	3774487.64	22.36691	414166.08	3774487.64	22.85218
414216.08	3774487.64	23.26375	414266.08	3774487.64	23.53522
414316.08	3774487.64	24.07762	414366.08	3774487.64	24.72889
414416.08	3774487.64	25.44081	414466.08	3774487.64	26.31865
414516.08	3774487.64	26.73838	414566.08	3774487.64	27.20012

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:

AREA15 ***

INCLUDING SOURCE(S): AREA15 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414616.08	3774487.64	27.75745	414666.08	3774487.64	29.02452
414716.08	3774487.64	30.99530	414766.08	3774487.64	34.44741
414816.08	3774487.64	37.20594	414866.08	3774487.64	40.49734
414916.08	3774487.64	44.09297	414966.08	3774487.64	47.81405
415016.08	3774487.64	51.49319	414016.08	3774537.64	18.30169
414066.08	3774537.64	18.80772	414116.08	3774537.64	19.22335
414166.08	3774537.64	19.54718	414216.08	3774537.64	19.74017
414266.08	3774537.64	19.82152	414316.08	3774537.64	20.23835
414366.08	3774537.64	20.80098	414416.08	3774537.64	21.56842
414466.08	3774537.64	21.99259	414516.08	3774537.64	22.26846
414566.08	3774537.64	22.49006	414616.08	3774537.64	22.90080
414666.08	3774537.64	23.77709	414716.08	3774537.64	25.20893
414766.08	3774537.64	27.57698	414816.08	3774537.64	29.46263
414866.08	3774537.64	31.95462	414916.08	3774537.64	34.38606
414966.08	3774537.64	37.03994	415016.08	3774537.64	39.63240
414016.08	3774587.64	16.08092	414066.08	3774587.64	16.35563
414116.08	3774587.64	16.62255	414166.08	3774587.64	16.74363
414216.08	3774587.64	16.99438	414266.08	3774587.64	17.07145
414316.08	3774587.64	17.44465	414366.08	3774587.64	17.93301
414416.08	3774587.64	18.48488	414466.08	3774587.64	18.80543
414516.08	3774587.64	18.93199	414566.08	3774587.64	19.00989
414616.08	3774587.64	19.28502	414666.08	3774587.64	19.98265
414716.08	3774587.64	21.03124	414766.08	3774587.64	22.60163
414816.08	3774587.64	24.16713	414866.08	3774587.64	25.93522
414916.08	3774587.64	27.68746	414966.08	3774587.64	29.51490
415016.08	3774587.64	31.47328	414016.08	3774637.64	14.16526
414066.08	3774637.64	14.25553	414116.08	3774637.64	14.34205
414166.08	3774637.64	14.48755	414216.08	3774637.64	14.67465
414266.08	3774637.64	14.81751	414316.08	3774637.64	15.16345
414366.08	3774637.64	15.56921	414416.08	3774637.64	15.99954
414466.08	3774637.64	16.11968	414516.08	3774637.64	16.24044
414566.08	3774637.64	16.29140	414616.08	3774637.64	16.48088
414666.08	3774637.64	16.97841	414716.08	3774637.64	17.72702
414766.08	3774637.64	18.82160	414816.08	3774637.64	20.07689
414866.08	3774637.64	21.43119	414916.08	3774637.64	22.73494
414966.08	3774637.64	24.12921	415016.08	3774637.64	25.51351
414361.21	3774308.59	55.09709	414586.99	3774306.89	69.03923
414586.99	3774347.63	53.42933	414636.22	3774347.63	57.29552
414629.43	3773930.02	679.64979	414359.51	3773930.02	418.70924
414406.37	3774308.25	57.50464	414451.52	3774307.91	60.20512

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:

AREA15 ***

INCLUDING SOURCE(S): AREA15 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414496.68	3774307.57	62.96580	414541.83	3774307.23	65.59670
414635.47	3774301.23	78.46365	414634.71	3774254.83	114.51906
414633.96	3774208.43	186.33455	414633.20	3774162.03	360.12185
414632.45	3774115.62	967.08159	414631.69	3774069.22	3781.98952
414630.94	3774022.82	5876.53240	414630.18	3773976.42	1573.31969
414584.44	3773930.02	1943.69064	414539.46	3773930.02	2221.62550
414494.47	3773930.02	1894.22728	414449.48	3773930.02	1183.99289
414404.50	3773930.02	623.71220	414359.72	3773977.34	378.46957
414359.94	3774024.66	350.53469	414360.15	3774071.98	259.19008
414360.36	3774119.31	185.62330	414360.57	3774166.63	127.61215
414360.79	3774213.95	93.78543	414361.00	3774261.27	71.60591
414651.22	3774193.13	247.88633	414651.22	3774219.08	177.59203
414651.87	3774247.64	130.72196	414651.87	3774278.78	98.17102
414651.87	3774298.90	83.37197	414652.52	3774320.31	71.25217
414651.87	3774365.09	53.06789	414653.17	3774345.62	60.03935
414649.27	3774056.86	4056.01166	414651.22	3774134.08	712.06625
414650.57	3774166.52	374.13302	414647.97	3774014.03	3597.12379
414248.25	3774308.63	48.28792	414246.95	3774293.71	51.38018
414246.30	3774277.48	55.02525	414246.30	3774261.91	58.82382
414246.95	3774244.39	63.46471	414245.65	3774234.01	66.24192
414246.30	3774219.73	70.52962	414245.65	3774206.11	74.73454
414245.00	3774187.94	80.72623	414244.36	3774168.47	87.68174
414244.36	3774156.14	92.50454	414244.36	3774136.02	101.03437
414241.76	3774052.96	140.06061	414242.41	3774036.74	148.46821
414243.06	3774017.27	158.33964	414243.06	3773979.64	174.89855
414239.81	3773932.92	187.44308	414239.16	3773893.33	195.94593
414646.03	3773967.31	1168.93601	414647.97	3773917.34	514.72984
414646.03	3773895.93	417.53532	414646.68	3773877.11	354.32254
414646.68	3773841.42	276.21210	414644.73	3773799.89	221.27630
414649.92	3774091.90	1981.45013	414651.87	3774207.40	205.61012
414647.28	3773769.60	187.01608	414647.28	3773722.90	152.60442
414588.50	3773543.39	111.10702	414530.55	3773519.46	133.83000
414486.45	3773503.08	147.81577	414427.23	3773494.26	164.06090
414356.68	3773470.32	160.32230	414273.52	3773436.30	140.80248
414053.04	3773606.39	98.81384	414834.19	3774266.59	192.36447

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA16 ***

INCLUDING SOURCE(S): AREA16 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414016.08	3773637.64	87.49854	414066.08	3773637.64	103.19163
414116.08	3773637.64	127.78876	414166.08	3773637.64	149.24375
414216.08	3773637.64	176.01462	414266.08	3773637.64	201.35360
414316.08	3773637.64	197.51445	414366.08	3773637.64	216.91001
414416.08	3773637.64	235.97506	414466.08	3773637.64	272.23298
414516.08	3773637.64	255.49986	414566.08	3773637.64	231.24495
414616.08	3773637.64	147.55997	414666.08	3773637.64	111.56189
414716.08	3773637.64	87.06620	414766.08	3773637.64	73.40698
414816.08	3773637.64	65.60122	414866.08	3773637.64	60.08779
414916.08	3773637.64	55.97533	414966.08	3773637.64	53.08138
415016.08	3773637.64	50.35979	414016.08	3773687.64	86.57105
414066.08	3773687.64	102.39908	414116.08	3773687.64	126.34148
414166.08	3773687.64	131.48534	414216.08	3773687.64	154.67914
414266.08	3773687.64	182.39967	414316.08	3773687.64	216.41300
414366.08	3773687.64	253.05541	414416.08	3773687.64	288.86708
414466.08	3773687.64	342.83876	414516.08	3773687.64	326.15533
414566.08	3773687.64	301.46925	414616.08	3773687.64	184.89421
414666.08	3773687.64	131.29876	414716.08	3773687.64	104.43003
414766.08	3773687.64	87.95112	414816.08	3773687.64	79.50487
414866.08	3773687.64	72.95458	414916.08	3773687.64	68.32040
414966.08	3773687.64	64.54800	415016.08	3773687.64	61.32528
414016.08	3773737.64	85.14315	414066.08	3773737.64	100.62154
414116.08	3773737.64	126.13720	414166.08	3773737.64	132.21138
414216.08	3773737.64	154.52859	414266.08	3773737.64	192.53311
414316.08	3773737.64	240.05302	414366.08	3773737.64	297.88919
414416.08	3773737.64	357.17977	414466.08	3773737.64	443.52575
414516.08	3773737.64	439.91845	414566.08	3773737.64	410.64989
414616.08	3773737.64	235.12718	414666.08	3773737.64	161.75315
414716.08	3773737.64	128.55888	414766.08	3773737.64	110.33566
414816.08	3773737.64	99.95608	414866.08	3773737.64	92.80335
414916.08	3773737.64	87.18598	414966.08	3773737.64	82.06301
415016.08	3773737.64	77.17920	414016.08	3773787.64	83.19239
414066.08	3773787.64	98.43869	414116.08	3773787.64	126.63064
414166.08	3773787.64	145.54805	414216.08	3773787.64	165.92742
414266.08	3773787.64	208.81125	414316.08	3773787.64	267.91326
414366.08	3773787.64	349.22162	414416.08	3773787.64	457.86338
414466.08	3773787.64	592.27978	414516.08	3773787.64	622.63481
414566.08	3773787.64	590.72047	414616.08	3773787.64	311.27771
414666.08	3773787.64	208.22213	414716.08	3773787.64	167.19777
414766.08	3773787.64	146.54287	414816.08	3773787.64	139.42547

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA16 ***

INCLUDING SOURCE(S): AREA16 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414866.08	3773787.64	123.38815	414916.08	3773787.64	114.18731
414966.08	3773787.64	104.98882	415016.08	3773787.64	97.36314
414016.08	3773837.64	79.74427	414066.08	3773837.64	94.54366
414116.08	3773837.64	114.16585	414166.08	3773837.64	140.43904
414216.08	3773837.64	175.88836	414266.08	3773837.64	252.88250
414316.08	3773837.64	313.61978	414366.08	3773837.64	455.78645
414416.08	3773837.64	600.59288	414466.08	3773837.64	811.29716
414516.08	3773837.64	945.12849	414566.08	3773837.64	893.00812
414616.08	3773837.64	428.97093	414666.08	3773837.64	286.42804
414716.08	3773837.64	238.10724	414766.08	3773837.64	212.16629
414816.08	3773837.64	192.35378	414866.08	3773837.64	173.04631
414916.08	3773837.64	156.45126	414966.08	3773837.64	140.61931
415016.08	3773837.64	126.72792	414016.08	3773887.64	75.88822
414066.08	3773887.64	89.80929	414116.08	3773887.64	108.07351
414166.08	3773887.64	132.89596	414216.08	3773887.64	167.66130
414266.08	3773887.64	220.14004	414316.08	3773887.64	301.37151
414366.08	3773887.64	437.80686	414416.08	3773887.64	809.39517
414466.08	3773887.64	1324.43138	414516.08	3773887.64	1594.41888
414566.08	3773887.64	1587.75799	414616.08	3773887.64	655.44026
414666.08	3773887.64	465.34196	414716.08	3773887.64	396.55973
414766.08	3773887.64	342.03102	414816.08	3773887.64	294.00755
414866.08	3773887.64	253.37908	414916.08	3773887.64	216.13633
414966.08	3773887.64	189.17684	415016.08	3773887.64	165.10205
414016.08	3773937.64	70.74709	414066.08	3773937.64	83.62391
414116.08	3773937.64	100.02104	414166.08	3773937.64	122.50219
414216.08	3773937.64	154.44011	414266.08	3773937.64	203.53832
414316.08	3773937.64	278.00603	414666.08	3773937.64	1045.70308
414716.08	3773937.64	798.71048	414766.08	3773937.64	605.79750
414816.08	3773937.64	471.84478	414866.08	3773937.64	377.20448
414916.08	3773937.64	313.83235	414966.08	3773937.64	251.90092
415016.08	3773937.64	212.67071	414016.08	3773987.64	64.97897
414066.08	3773987.64	76.20652	414116.08	3773987.64	90.78149
414166.08	3773987.64	110.39160	414216.08	3773987.64	137.61179
414266.08	3773987.64	177.51410	414316.08	3773987.64	227.69528
414666.08	3773987.64	2870.20874	414716.08	3773987.64	1556.28161
414766.08	3773987.64	988.90494	414816.08	3773987.64	696.29545
414866.08	3773987.64	518.31073	414916.08	3773987.64	403.14292
414966.08	3773987.64	325.83091	415016.08	3773987.64	266.63288
414016.08	3774037.64	58.74840	414066.08	3774037.64	67.68804
414116.08	3774037.64	79.63233	414166.08	3774037.64	95.35758

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA16 ***

INCLUDING SOURCE(S): AREA16 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414216.08	3774037.64	116.74370	414266.08	3774037.64	147.69667
414316.08	3774037.64	175.00630	414666.08	3774037.64	2846.87286
414716.08	3774037.64	1776.61257	414766.08	3774037.64	1167.01960
414816.08	3774037.64	829.65635	414866.08	3774037.64	615.38457
414916.08	3774037.64	477.94822	414966.08	3774037.64	380.00182
415016.08	3774037.64	309.46633	414016.08	3774087.64	52.22598
414066.08	3774087.64	59.83077	414116.08	3774087.64	69.23660
414166.08	3774087.64	81.65286	414216.08	3774087.64	97.49308
414266.08	3774087.64	118.69175	414316.08	3774087.64	132.83986
414666.08	3774087.64	1080.23381	414716.08	3774087.64	1074.52591
414766.08	3774087.64	924.49612	414816.08	3774087.64	735.60930
414866.08	3774087.64	596.02722	414916.08	3774087.64	482.06586
414966.08	3774087.64	397.28963	415016.08	3774087.64	330.16804
414016.08	3774137.64	45.97854	414066.08	3774137.64	52.02275
414116.08	3774137.64	59.54273	414166.08	3774137.64	68.50688
414216.08	3774137.64	79.75141	414266.08	3774137.64	94.17819
414316.08	3774137.64	101.76709	414666.08	3774137.64	399.35617
414716.08	3774137.64	497.33104	414766.08	3774137.64	533.03698
414816.08	3774137.64	518.62859	414866.08	3774137.64	469.55175
414916.08	3774137.64	411.32660	414966.08	3774137.64	357.64063
415016.08	3774137.64	311.27281	414016.08	3774187.64	40.52491
414066.08	3774187.64	45.03713	414116.08	3774187.64	51.02565
414166.08	3774187.64	57.54792	414216.08	3774187.64	65.43300
414266.08	3774187.64	74.62173	414316.08	3774187.64	82.90107
414666.08	3774187.64	193.13780	414716.08	3774187.64	242.97029
414766.08	3774187.64	288.62146	414816.08	3774187.64	310.60935
414866.08	3774187.64	317.16602	414916.08	3774187.64	305.85128
414966.08	3774187.64	286.52188	415016.08	3774187.64	265.78733
414016.08	3774237.64	35.57140	414066.08	3774237.64	39.45500
414116.08	3774237.64	43.86844	414166.08	3774237.64	48.48154
414216.08	3774237.64	53.67406	414266.08	3774237.64	59.42724
414316.08	3774237.64	64.67767	414666.08	3774237.64	112.15395
414716.08	3774237.64	134.07975	414766.08	3774237.64	159.96275
414816.08	3774237.64	182.15139	414866.08	3774237.64	202.58295
414916.08	3774237.64	208.49914	414966.08	3774237.64	211.03914
415016.08	3774237.64	208.38641	414016.08	3774287.64	31.36073
414066.08	3774287.64	34.42826	414116.08	3774287.64	37.53319
414166.08	3774287.64	40.83782	414216.08	3774287.64	44.16877
414266.08	3774287.64	47.31997	414316.08	3774287.64	50.19099
414666.08	3774287.64	74.08005	414716.08	3774287.64	85.20710

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA16 ***

INCLUDING SOURCE(S): AREA16 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414766.08	3774287.64	99.06929	414816.08	3774287.64	111.94544
414866.08	3774287.64	129.65824	414916.08	3774287.64	138.53985
414966.08	3774287.64	147.45733	415016.08	3774287.64	153.42352
414016.08	3774337.64	27.83951	414066.08	3774337.64	30.12909
414116.08	3774337.64	32.22637	414166.08	3774337.64	34.38473
414216.08	3774337.64	36.31294	414266.08	3774337.64	38.00806
414316.08	3774337.64	39.24271	414366.08	3774337.64	40.54111
414416.08	3774337.64	42.11880	414466.08	3774337.64	43.98434
414516.08	3774337.64	45.51927	414566.08	3774337.64	46.92319
414666.08	3774337.64	53.06808	414716.08	3774337.64	59.69334
414766.08	3774337.64	67.58805	414816.08	3774337.64	75.45754
414866.08	3774337.64	86.72176	414916.08	3774337.64	93.65357
414966.08	3774337.64	102.33471	415016.08	3774337.64	109.34387
414016.08	3774387.64	24.56554	414066.08	3774387.64	26.19324
414116.08	3774387.64	27.57922	414166.08	3774387.64	28.94479
414216.08	3774387.64	29.92610	414266.08	3774387.64	30.77713
414316.08	3774387.64	31.56567	414366.08	3774387.64	32.42077
414416.08	3774387.64	33.59697	414466.08	3774387.64	34.85339
414516.08	3774387.64	35.82148	414566.08	3774387.64	36.59521
414616.08	3774387.64	37.80416	414666.08	3774387.64	40.36787
414716.08	3774387.64	44.46077	414766.08	3774387.64	49.31604
414816.08	3774387.64	55.02192	414866.08	3774387.64	60.95442
414916.08	3774387.64	67.01349	414966.08	3774387.64	73.05176
415016.08	3774387.64	78.82832	414016.08	3774437.64	21.79922
414066.08	3774437.64	22.71416	414116.08	3774437.64	23.70165
414166.08	3774437.64	24.34738	414216.08	3774437.64	25.00578
414266.08	3774437.64	25.37663	414316.08	3774437.64	25.78716
414366.08	3774437.64	26.48323	414416.08	3774437.64	27.42321
414466.08	3774437.64	28.36124	414516.08	3774437.64	29.02076
414566.08	3774437.64	29.34696	414616.08	3774437.64	30.14822
414666.08	3774437.64	31.83272	414716.08	3774437.64	34.47791
414766.08	3774437.64	37.41078	414816.08	3774437.64	41.02823
414866.08	3774437.64	44.92592	414916.08	3774437.64	49.01539
414966.08	3774437.64	53.20738	415016.08	3774437.64	57.63738
414016.08	3774487.64	19.21359	414066.08	3774487.64	19.81636
414116.08	3774487.64	20.32546	414166.08	3774487.64	20.70739
414216.08	3774487.64	20.95172	414266.08	3774487.64	21.19966
414316.08	3774487.64	21.61172	414366.08	3774487.64	22.28362
414416.08	3774487.64	22.87793	414466.08	3774487.64	23.61890
414516.08	3774487.64	23.86545	414566.08	3774487.64	24.22724

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA16 ***

INCLUDING SOURCE(S): AREA16 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414616.08	3774487.64	24.65892	414666.08	3774487.64	25.64429
414716.08	3774487.64	27.17925	414766.08	3774487.64	29.91765
414816.08	3774487.64	32.22031	414866.08	3774487.64	34.91536
414916.08	3774487.64	37.73954	414966.08	3774487.64	40.67091
415016.08	3774487.64	43.67760	414016.08	3774537.64	16.92546
414066.08	3774537.64	17.28670	414116.08	3774537.64	17.58785
414166.08	3774537.64	17.71883	414216.08	3774537.64	17.97926
414266.08	3774537.64	18.07853	414316.08	3774537.64	18.44414
414366.08	3774537.64	18.92625	414416.08	3774537.64	19.57472
414466.08	3774537.64	19.91932	414516.08	3774537.64	20.11980
414566.08	3774537.64	20.29018	414616.08	3774537.64	20.56024
414666.08	3774537.64	21.25163	414716.08	3774537.64	22.38303
414766.08	3774537.64	24.38643	414816.08	3774537.64	25.94023
414866.08	3774537.64	28.09369	414916.08	3774537.64	30.07744
414966.08	3774537.64	32.16289	415016.08	3774537.64	34.28293
414016.08	3774587.64	14.88027	414066.08	3774587.64	15.08511
414116.08	3774587.64	15.27257	414166.08	3774587.64	15.36000
414216.08	3774587.64	15.52989	414266.08	3774587.64	15.65608
414316.08	3774587.64	15.99759	414366.08	3774587.64	16.47006
414416.08	3774587.64	16.91872	414466.08	3774587.64	17.16495
414516.08	3774587.64	17.26381	414566.08	3774587.64	17.30480
414616.08	3774587.64	17.47919	414666.08	3774587.64	17.99730
414716.08	3774587.64	18.89811	414766.08	3774587.64	20.25798
414816.08	3774587.64	21.57376	414866.08	3774587.64	23.07189
414916.08	3774587.64	24.54494	414966.08	3774587.64	26.13094
415016.08	3774587.64	27.66010	414016.08	3774637.64	13.13522
414066.08	3774637.64	13.18334	414116.08	3774637.64	13.23130
414166.08	3774637.64	13.33928	414216.08	3774637.64	13.55793
414266.08	3774637.64	13.70986	414316.08	3774637.64	14.03291
414366.08	3774637.64	14.39547	414416.08	3774637.64	14.78666
414466.08	3774637.64	14.86973	414516.08	3774637.64	14.91489
414566.08	3774637.64	14.93864	414616.08	3774637.64	15.06584
414666.08	3774637.64	15.45856	414716.08	3774637.64	16.10949
414766.08	3774637.64	17.03062	414816.08	3774637.64	18.10750
414866.08	3774637.64	19.29716	414916.08	3774637.64	20.41694
414966.08	3774637.64	21.63492	415016.08	3774637.64	22.78060
414361.21	3774308.59	46.81104	414586.99	3774306.89	56.91258
414586.99	3774347.63	45.15843	414636.22	3774347.63	47.85773
414629.43	3773930.02	1073.62998	414359.51	3773930.02	396.28386
414406.37	3774308.25	48.57315	414451.52	3774307.91	50.67233

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA16 ***

INCLUDING SOURCE(S): AREA16 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414496.68	3774307.57	52.74759	414541.83	3774307.23	54.57708
414635.47	3774301.23	63.43644	414634.71	3774254.83	88.41320
414633.96	3774208.43	133.73800	414633.20	3774162.03	227.87930
414632.45	3774115.62	483.13579	414631.69	3774069.22	1514.85687
414630.94	3774022.82	5621.89396	414630.18	3773976.42	3901.56762
414584.44	3773930.02	3560.06767	414539.46	3773930.02	3778.67316
414494.47	3773930.02	2475.41388	414449.48	3773930.02	1268.58104
414404.50	3773930.02	594.44440	414359.72	3773977.34	341.72194
414359.94	3774024.66	300.37638	414360.15	3774071.98	213.50914
414360.36	3774119.31	151.57041	414360.57	3774166.63	104.83006
414360.79	3774213.95	77.43753	414361.00	3774261.27	59.78881
414651.22	3774193.13	168.82233	414651.22	3774219.08	128.16512
414651.87	3774247.64	98.91831	414651.87	3774278.78	77.16791
414651.87	3774298.90	66.87727	414652.52	3774320.31	58.16045
414651.87	3774365.09	44.63850	414653.17	3774345.62	49.89107
414649.27	3774056.86	2236.77201	414651.22	3774134.08	390.76548
414650.57	3774166.52	235.03895	414647.97	3774014.03	4591.41166
414248.25	3774308.63	42.36125	414246.95	3774293.71	45.08544
414246.30	3774277.48	48.32703	414246.30	3774261.91	51.64413
414246.95	3774244.39	55.72057	414245.65	3774234.01	58.11659
414246.30	3774219.73	61.92969	414245.65	3774206.11	65.56277
414245.00	3774187.94	70.80788	414244.36	3774168.47	76.91777
414244.36	3774156.14	81.12644	414244.36	3774136.02	88.56453
414241.76	3774052.96	124.86135	414242.41	3774036.74	133.14839
414243.06	3774017.27	143.34558	414243.06	3773979.64	161.51683
414239.81	3773932.92	177.44638	414239.16	3773893.33	188.64400
414646.03	3773967.31	2457.47562	414647.97	3773917.34	776.18229
414646.03	3773895.93	570.92418	414646.68	3773877.11	458.39747
414646.68	3773841.42	335.55189	414644.73	3773799.89	258.86629
414649.92	3774091.90	931.86519	414651.87	3774207.40	144.79569
414647.28	3773769.60	214.97282	414647.28	3773722.90	172.27203
414588.50	3773543.39	122.73725	414530.55	3773519.46	149.14707
414486.45	3773503.08	164.97701	414427.23	3773494.26	182.16936
414356.68	3773470.32	175.25039	414273.52	3773436.30	150.67075
414053.04	3773606.39	98.86463	414834.19	3774266.59	143.47155

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA2 ***

INCLUDING SOURCE(S): AREA2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414016.08	3773637.64	122.33228	414066.08	3773637.64	132.01441

414116.08	3773637.64	133.50383	414166.08	3773637.64	132.55829
414216.08	3773637.64	131.05493	414266.08	3773637.64	122.22047
414316.08	3773637.64	101.37755	414366.08	3773637.64	89.31554
414416.08	3773637.64	78.18095	414466.08	3773637.64	72.31171
414516.08	3773637.64	61.06466	414566.08	3773637.64	55.04620
414616.08	3773637.64	47.74578	414666.08	3773637.64	41.77045
414716.08	3773637.64	37.60173	414766.08	3773637.64	34.70633
414816.08	3773637.64	32.52755	414866.08	3773637.64	30.87703
414916.08	3773637.64	29.53976	414966.08	3773637.64	28.44575
415016.08	3773637.64	27.47659	414016.08	3773687.64	132.70950
414066.08	3773687.64	145.95426	414116.08	3773687.64	142.43808
414166.08	3773687.64	132.32136	414216.08	3773687.64	132.08405
414266.08	3773687.64	126.71069	414316.08	3773687.64	117.11826
414366.08	3773687.64	104.26712	414416.08	3773687.64	90.94863
414466.08	3773687.64	82.46554	414516.08	3773687.64	68.44985
414566.08	3773687.64	61.30974	414616.08	3773687.64	53.37214
414666.08	3773687.64	46.72900	414716.08	3773687.64	42.20171
414766.08	3773687.64	39.05693	414816.08	3773687.64	36.77380
414866.08	3773687.64	34.97066	414916.08	3773687.64	33.52937
414966.08	3773687.64	32.35653	415016.08	3773687.64	31.22931
414016.08	3773737.64	143.20807	414066.08	3773737.64	161.02706
414116.08	3773737.64	159.58016	414166.08	3773737.64	151.03501
414216.08	3773737.64	151.88420	414266.08	3773737.64	149.69541
414316.08	3773737.64	140.03837	414366.08	3773737.64	125.19326
414416.08	3773737.64	107.41923	414466.08	3773737.64	95.39089
414516.08	3773737.64	78.22308	414566.08	3773737.64	68.87206
414616.08	3773737.64	60.33749	414666.08	3773737.64	52.93455
414716.08	3773737.64	48.04242	414766.08	3773737.64	44.69134
414816.08	3773737.64	42.23897	414866.08	3773737.64	40.29148
414916.08	3773737.64	38.67309	414966.08	3773737.64	37.24396
415016.08	3773737.64	35.89244	414016.08	3773787.64	153.16677
414066.08	3773787.64	176.36853	414116.08	3773787.64	188.70377
414166.08	3773787.64	185.56416	414216.08	3773787.64	184.83258
414266.08	3773787.64	184.63869	414316.08	3773787.64	174.12859
414366.08	3773787.64	154.64952	414416.08	3773787.64	132.24595
414466.08	3773787.64	112.20128	414516.08	3773787.64	90.20978
414566.08	3773787.64	77.78214	414616.08	3773787.64	69.19318
414666.08	3773787.64	61.03329	414716.08	3773787.64	55.80747
414766.08	3773787.64	52.19212	414816.08	3773787.64	49.37102

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA2 ***

INCLUDING SOURCE(S): AREA2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414866.08	3773787.64	47.27187	414916.08	3773787.64	45.37452

414966.08	3773787.64	43.51732	415016.08	3773787.64	41.88245
414016.08	3773837.64	162.51087	414066.08	3773837.64	191.90990
414116.08	3773837.64	223.75293	414166.08	3773837.64	254.97305
414216.08	3773837.64	279.76045	414266.08	3773837.64	259.44742
414316.08	3773837.64	230.76270	414366.08	3773837.64	211.76903
414416.08	3773837.64	169.65610	414466.08	3773837.64	134.36811
414516.08	3773837.64	105.40465	414566.08	3773837.64	87.85799
414616.08	3773837.64	81.08196	414666.08	3773837.64	72.15449
414716.08	3773837.64	66.52054	414766.08	3773837.64	62.58404
414816.08	3773837.64	59.42591	414866.08	3773837.64	56.61154
414916.08	3773837.64	54.02660	414966.08	3773837.64	51.68313
415016.08	3773837.64	49.39490	414016.08	3773887.64	169.43310
414066.08	3773887.64	205.56454	414116.08	3773887.64	248.36129
414166.08	3773887.64	294.78488	414216.08	3773887.64	337.30855
414266.08	3773887.64	363.81646	414316.08	3773887.64	361.39476
414366.08	3773887.64	324.18740	414416.08	3773887.64	249.61181
414466.08	3773887.64	182.35407	414516.08	3773887.64	125.66691
414566.08	3773887.64	102.34531	414616.08	3773887.64	97.91712
414666.08	3773887.64	88.22925	414716.08	3773887.64	81.97798
414766.08	3773887.64	77.17604	414816.08	3773887.64	73.03422
414866.08	3773887.64	69.20571	414916.08	3773887.64	65.64179
414966.08	3773887.64	62.19746	415016.08	3773887.64	58.87667
414016.08	3773937.64	173.46090	414066.08	3773937.64	216.23105
414116.08	3773937.64	270.93297	414166.08	3773937.64	337.13076
414216.08	3773937.64	407.88138	414266.08	3773937.64	464.22012
414316.08	3773937.64	482.85226	414666.08	3773937.64	112.92701
414716.08	3773937.64	105.11901	414766.08	3773937.64	98.45378
414816.08	3773937.64	92.30990	414866.08	3773937.64	86.40944
414916.08	3773937.64	80.84818	414966.08	3773937.64	75.67299
415016.08	3773937.64	70.80950	414016.08	3773987.64	173.51296
414066.08	3773987.64	221.29494	414116.08	3773987.64	287.53419
414166.08	3773987.64	376.77276	414216.08	3773987.64	488.56653
414266.08	3773987.64	603.84722	414316.08	3773987.64	679.86130
414666.08	3773987.64	153.11780	414716.08	3773987.64	141.02774
414766.08	3773987.64	129.87665	414816.08	3773987.64	119.46162
414866.08	3773987.64	109.70457	414916.08	3773987.64	100.78847
414966.08	3773987.64	92.66524	415016.08	3773987.64	85.33376
414016.08	3774037.64	168.93862	414066.08	3774037.64	219.20503
414116.08	3774037.64	293.64275	414166.08	3774037.64	405.34867

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA2 ***

INCLUDING SOURCE(S): AREA2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414216.08	3774037.64	570.44612	414266.08	3774037.64	787.04321

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    414316.08   3774037.64    997.35885          414666.08   3774037.64    220.95207
    414716.08   3774037.64    197.02882          414766.08   3774037.64    175.50644
    414816.08   3774037.64    156.46821          414866.08   3774037.64    139.85848
    414916.08   3774037.64    125.57124          414966.08   3774037.64    113.21371
    415016.08   3774037.64    102.49593          414016.08   3774087.64    160.16397
    414066.08   3774087.64    208.82970          414116.08   3774087.64    284.13334
    414166.08   3774087.64    407.43614          414216.08   3774087.64    620.44388
    414266.08   3774087.64    988.97207          414316.08   3774087.64   1525.49310
    414666.08   3774087.64    331.58208          414716.08   3774087.64    279.10397
    414766.08   3774087.64    236.99663          414816.08   3774087.64    203.43750
    414866.08   3774087.64    176.35357          414916.08   3774087.64    154.47611
    414966.08   3774087.64    136.45781          415016.08   3774087.64    121.52958
    414016.08   3774137.64    147.81161          414066.08   3774137.64    191.93132
    414116.08   3774137.64    260.69528          414166.08   3774137.64    377.84590
    414216.08   3774137.64    599.91276          414266.08   3774137.64   1084.65932
    414316.08   3774137.64   2239.01139          414666.08   3774137.64    483.96459
    414716.08   3774137.64    380.68108          414766.08   3774137.64    308.32173
    414816.08   3774137.64    255.48967          414866.08   3774137.64    215.65327
    414916.08   3774137.64    184.80228          414966.08   3774137.64    160.38476
    415016.08   3774137.64    140.83362          414016.08   3774187.64    132.56840
    414066.08   3774187.64    170.12914          414116.08   3774187.64    227.75424
    414166.08   3774187.64    324.05679          414216.08   3774187.64    504.84188
    414266.08   3774187.64    915.42161          414316.08   3774187.64   2231.76782
    414666.08   3774187.64    631.60071          414716.08   3774187.64    475.70564
    414766.08   3774187.64    373.66534          414816.08   3774187.64    302.57513
    414866.08   3774187.64    251.00813          414916.08   3774187.64    212.03805
    414966.08   3774187.64    182.01935          415016.08   3774187.64    158.44826
    414016.08   3774237.64    115.86020          414066.08   3774237.64    145.79415
    414116.08   3774237.64    189.88831          414166.08   3774237.64    259.67662
    414216.08   3774237.64    379.76321          414266.08   3774237.64    616.07098
    414316.08   3774237.64   1181.66746          414666.08   3774237.64    699.66365
    414716.08   3774237.64    525.90444          414766.08   3774237.64    412.00931
    414816.08   3774237.64    332.30254          414866.08   3774237.64    274.78205
    414916.08   3774237.64    231.29471          414966.08   3774237.64    197.99028
    415016.08   3774237.64    171.77493          414016.08   3774287.64     98.89608
    414066.08   3774287.64    120.99925          414116.08   3774287.64    151.83368
    414166.08   3774287.64    196.24387          414216.08   3774287.64    262.76098
    414266.08   3774287.64    365.44951          414316.08   3774287.64    522.18540
    414666.08   3774287.64    653.63984          414716.08   3774287.64    511.35524
  *** AERMOD - VERSION  19191 ***   *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc
***       05/24/21
 *** AERMET - VERSION  16216 ***   ***                                          ***       12:11:05
                                                                      PAGE  92
 *** MODELOPTs:   RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                  *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP:
AREA2   ***
                     INCLUDING SOURCE(S):    AREA2      ,

                           *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                          ** CONC OF OTHER    IN MICROGRAMS/M**3                **

    X-COORD (M)   Y-COORD (M)       CONC              X-COORD (M)   Y-COORD (M)       CONC
-----------------------------------------------------------------------------
    414766.08   3774287.64    410.27996          414816.08   3774287.64    336.51221
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414866.08	3774287.64	281.33666	414916.08	3774287.64	238.72073
414966.08	3774287.64	205.35814	415016.08	3774287.64	178.73086
414016.08	3774337.64	82.79125	414066.08	3774337.64	98.23497
414116.08	3774337.64	118.15798	414166.08	3774337.64	143.93890
414216.08	3774337.64	176.83160	414266.08	3774337.64	217.48588
414316.08	3774337.64	262.56078	414366.08	3774337.64	313.30700
414416.08	3774337.64	410.71150	414466.08	3774337.64	627.67536
414516.08	3774337.64	754.29608	414566.08	3774337.64	722.39460
414666.08	3774337.64	528.14214	414716.08	3774337.64	442.20230
414766.08	3774337.64	371.67550	414816.08	3774337.64	314.80457
414866.08	3774337.64	269.62939	414916.08	3774337.64	232.75220
414966.08	3774337.64	202.88459	415016.08	3774337.64	178.40125
414016.08	3774387.64	68.58079	414066.08	3774387.64	78.81541
414116.08	3774387.64	91.14649	414166.08	3774387.64	105.40527
414216.08	3774387.64	121.37478	414266.08	3774387.64	137.97899
414316.08	3774387.64	154.17462	414366.08	3774387.64	172.70480
414416.08	3774387.64	206.09105	414466.08	3774387.64	275.80780
414516.08	3774387.64	362.36153	414566.08	3774387.64	410.12190
414616.08	3774387.64	411.39054	414666.08	3774387.64	385.67678
414716.08	3774387.64	348.94057	414766.08	3774387.64	310.50597
414816.08	3774387.64	275.01012	414866.08	3774387.64	243.14488
414916.08	3774387.64	215.31968	414966.08	3774387.64	191.36195
415016.08	3774387.64	170.85686	414016.08	3774437.64	56.58502
414066.08	3774437.64	63.27539	414116.08	3774437.64	70.68057
414166.08	3774437.64	78.51141	414216.08	3774437.64	86.33156
414266.08	3774437.64	93.79539	414316.08	3774437.64	100.74929
414366.08	3774437.64	109.59623	414416.08	3774437.64	124.57558
414466.08	3774437.64	152.38906	414516.08	3774437.64	194.29429
414566.08	3774437.64	234.55621	414616.08	3774437.64	258.91132
414666.08	3774437.64	265.51519	414716.08	3774437.64	258.73787
414766.08	3774437.64	244.28435	414816.08	3774437.64	226.60634
414866.08	3774437.64	208.07723	414916.08	3774437.64	189.94456
414966.08	3774437.64	172.95382	415016.08	3774437.64	157.46433
414016.08	3774487.64	46.74915	414066.08	3774487.64	51.04093
414116.08	3774487.64	55.46226	414166.08	3774487.64	59.79881
414216.08	3774487.64	63.90584	414266.08	3774487.64	67.49287
414316.08	3774487.64	71.22247	414366.08	3774487.64	76.22301
414416.08	3774487.64	84.00758	414466.08	3774487.64	97.38617
414516.08	3774487.64	117.55395	414566.08	3774487.64	142.41023

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA2 ***

INCLUDING SOURCE(S): AREA2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414616.08	3774487.64	164.48726	414666.08	3774487.64	178.91640

414716.08	3774487.64	185.13132	414766.08	3774487.64	184.97419
414816.08	3774487.64	179.41984	414866.08	3774487.64	171.11118
414916.08	3774487.64	161.32318	414966.08	3774487.64	150.83462
415016.08	3774487.64	140.40125	414016.08	3774537.64	38.87964
414066.08	3774537.64	41.61556	414116.08	3774537.64	44.23669
414166.08	3774537.64	46.73332	414216.08	3774537.64	48.94082
414266.08	3774537.64	50.89206	414316.08	3774537.64	53.12741
414366.08	3774537.64	56.21630	414416.08	3774537.64	60.94448
414466.08	3774537.64	68.07062	414516.08	3774537.64	78.76785
414566.08	3774537.64	93.02588	414616.08	3774537.64	108.34720
414666.08	3774537.64	121.87309	414716.08	3774537.64	131.52605
414766.08	3774537.64	137.07355	414816.08	3774537.64	138.28725
414866.08	3774537.64	136.79704	414916.08	3774537.64	132.97453
414966.08	3774537.64	127.71359	415016.08	3774537.64	121.67267
414016.08	3774587.64	32.51969	414066.08	3774587.64	34.26536
414116.08	3774587.64	35.87626	414166.08	3774587.64	37.35297
414216.08	3774587.64	38.69576	414266.08	3774587.64	39.85459
414316.08	3774587.64	41.32683	414366.08	3774587.64	43.36166
414416.08	3774587.64	46.36695	414466.08	3774587.64	50.68211
414516.08	3774587.64	56.79177	414566.08	3774587.64	65.15573
414616.08	3774587.64	75.09328	414666.08	3774587.64	85.33890
414716.08	3774587.64	94.16347	414766.08	3774587.64	101.18757
414816.08	3774587.64	105.39342	414866.08	3774587.64	107.37313
414916.08	3774587.64	107.39318	414966.08	3774587.64	105.84395
415016.08	3774587.64	103.18365	414016.08	3774637.64	27.45632
414066.08	3774637.64	28.54912	414116.08	3774637.64	29.53738
414166.08	3774637.64	30.47283	414216.08	3774637.64	31.30682
414266.08	3774637.64	32.09811	414316.08	3774637.64	33.12169
414366.08	3774637.64	33.67865	414416.08	3774637.64	36.55781
414466.08	3774637.64	37.27057	414516.08	3774637.64	40.54290
414566.08	3774637.64	44.95065	414616.08	3774637.64	54.67032
414666.08	3774637.64	61.81761	414716.08	3774637.64	62.74119
414766.08	3774637.64	68.68544	414816.08	3774637.64	73.94009
414866.08	3774637.64	78.40564	414916.08	3774637.64	81.41667
414966.08	3774637.64	83.70718	415016.08	3774637.64	84.43367
414361.21	3774308.59	481.47399	414586.99	3774306.89	893.61196
414586.99	3774347.63	623.36213	414636.22	3774347.63	548.14635
414629.43	3773930.02	115.61805	414359.51	3773930.02	427.31269
414406.37	3774308.25	656.91472	414451.52	3774307.91	1072.52003

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA2 ***

INCLUDING SOURCE(S): AREA2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414496.68	3774307.57	1233.14669	414541.83	3774307.23	1093.23226

414635.47	3774301.23	726.54834	414634.71	3774254.83	847.72628
414633.96	3774208.43	836.20009	414633.20	3774162.03	685.48986
414632.45	3774115.62	481.94421	414631.69	3774069.22	315.71854
414630.94	3774022.82	211.28657	414630.18	3773976.42	151.09736
414584.44	3773930.02	124.98389	414539.46	3773930.02	138.40346
414494.47	3773930.02	184.57286	414449.48	3773930.02	247.10433
414404.50	3773930.02	356.03143	414359.72	3773977.34	600.34140
414359.94	3774024.66	858.18933	414360.15	3774071.98	1491.88370
414360.36	3774119.31	3040.27338	414360.57	3774166.63	7565.30858
414360.79	3774213.95	5583.93242	414361.00	3774261.27	1303.37906
414651.22	3774193.13	708.85966	414651.22	3774219.08	757.30228
414651.87	3774247.64	764.06214	414651.87	3774278.78	724.24714
414651.87	3774298.90	676.14420	414652.52	3774320.31	610.79398
414651.87	3774365.09	465.00135	414653.17	3774345.62	527.22226
414649.27	3774056.86	269.34087	414651.22	3774134.08	509.45399
414650.57	3774166.52	630.94469	414647.97	3774014.03	190.86634
414248.25	3774308.63	264.94341	414246.95	3774293.71	302.97267
414246.30	3774277.48	351.55801	414246.30	3774261.91	405.76873
414246.95	3774244.39	476.47693	414245.65	3774234.01	512.49049
414246.30	3774219.73	575.46277	414245.65	3774206.11	627.26820
414245.00	3774187.94	693.01377	414244.36	3774168.47	753.53279
414244.36	3774156.14	787.52476	414244.36	3774136.02	823.69722
414241.76	3774052.96	713.25781	414242.41	3774036.74	675.91260
414243.06	3774017.27	627.57635	414243.06	3773979.64	532.70301
414239.81	3773932.92	428.38232	414239.16	3773893.33	360.25987
414646.03	3773967.31	138.76111	414647.97	3773917.34	104.68430
414646.03	3773895.93	94.92378	414646.68	3773877.11	87.36612
414646.68	3773841.42	76.09134	414644.73	3773799.89	66.49678
414649.92	3774091.90	364.13782	414651.87	3774207.40	736.66106
414647.28	3773769.60	60.37518	414647.28	3773722.90	53.28478
414588.50	3773543.39	42.80379	414530.55	3773519.46	48.89146
414486.45	3773503.08	54.31171	414427.23	3773494.26	63.67183
414356.68	3773470.32	72.31579	414273.52	3773436.30	78.21323
414053.04	3773606.39	122.07878	414834.19	3774266.59	315.41832

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA3 ***

INCLUDING SOURCE(S): AREA3 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414016.08	3773637.64	130.11813	414066.08	3773637.64	142.33141
414116.08	3773637.64	146.64671	414166.08	3773637.64	147.48551
414216.08	3773637.64	147.31350	414266.08	3773637.64	138.11461
414316.08	3773637.64	114.02383	414366.08	3773637.64	100.24575
414416.08	3773637.64	87.33584	414466.08	3773637.64	80.50846
414516.08	3773637.64	67.35872	414566.08	3773637.64	60.13085

414616.08	3773637.64	51.67722	414666.08	3773637.64	45.21713
414716.08	3773637.64	40.77793	414766.08	3773637.64	37.68151
414816.08	3773637.64	35.38386	414866.08	3773637.64	33.66748
414916.08	3773637.64	32.26597	414966.08	3773637.64	31.05329
415016.08	3773637.64	30.00978	414016.08	3773687.64	140.65808
414066.08	3773687.64	157.02286	414116.08	3773687.64	156.63108
414166.08	3773687.64	146.36154	414216.08	3773687.64	147.87741
414266.08	3773687.64	143.24320	414316.08	3773687.64	132.98801
414366.08	3773687.64	118.35769	414416.08	3773687.64	102.62104
414466.08	3773687.64	92.64399	414516.08	3773687.64	76.05426
414566.08	3773687.64	67.55644	414616.08	3773687.64	58.16745
414666.08	3773687.64	50.98407	414716.08	3773687.64	46.20369
414766.08	3773687.64	42.85243	414816.08	3773687.64	40.45035
414866.08	3773687.64	38.56579	414916.08	3773687.64	37.00930
414966.08	3773687.64	35.60106	415016.08	3773687.64	34.40598
414016.08	3773737.64	151.00523	414066.08	3773737.64	172.59377
414116.08	3773737.64	175.46878	414166.08	3773737.64	167.45085
414216.08	3773737.64	170.95514	414266.08	3773737.64	170.85366
414316.08	3773737.64	161.14639	414366.08	3773737.64	144.12342
414416.08	3773737.64	122.75378	414466.08	3773737.64	108.25696
414516.08	3773737.64	87.58247	414566.08	3773737.64	76.56953
414616.08	3773737.64	66.37515	414666.08	3773737.64	58.43303
414716.08	3773737.64	53.29045	414766.08	3773737.64	49.75988
414816.08	3773737.64	47.13309	414866.08	3773737.64	44.95285
414916.08	3773737.64	43.12096	414966.08	3773737.64	41.51111
415016.08	3773737.64	39.97218	414016.08	3773787.64	160.39828
414066.08	3773787.64	188.11820	414116.08	3773787.64	207.13664
414166.08	3773787.64	207.19218	414216.08	3773787.64	209.65057
414266.08	3773787.64	213.46337	414316.08	3773787.64	203.51829
414366.08	3773787.64	181.04464	414416.08	3773787.64	153.73988
414466.08	3773787.64	128.85091	414516.08	3773787.64	102.06902
414566.08	3773787.64	87.47295	414616.08	3773787.64	77.21667
414666.08	3773787.64	68.50744	414716.08	3773787.64	63.00462
414766.08	3773787.64	59.10588	414816.08	3773787.64	56.05997

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA3 ***

INCLUDING SOURCE(S): AREA3 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414866.08	3773787.64	53.53260	414916.08	3773787.64	51.14290
414966.08	3773787.64	49.00775	415016.08	3773787.64	46.90494
414016.08	3773837.64	168.30900	414066.08	3773837.64	202.73538
414116.08	3773837.64	242.14099	414166.08	3773837.64	283.77320
414216.08	3773837.64	320.32773	414266.08	3773837.64	307.44882
414316.08	3773837.64	275.97007	414366.08	3773837.64	255.45965

414416.08	3773837.64	201.72942	414466.08	3773837.64	156.72197
414516.08	3773837.64	120.76158	414566.08	3773837.64	100.32070
414616.08	3773837.64	92.29269	414666.08	3773837.64	82.83915
414716.08	3773837.64	76.76290	414766.08	3773837.64	72.31583
414816.08	3773837.64	68.51475	414866.08	3773837.64	65.01458
414916.08	3773837.64	61.77108	414966.08	3773837.64	58.66864
415016.08	3773837.64	55.72689	414016.08	3773887.64	173.24652
414066.08	3773887.64	214.35726	414116.08	3773887.64	265.86035
414166.08	3773887.64	325.81643	414216.08	3773887.64	386.94844
414266.08	3773887.64	433.74042	414316.08	3773887.64	443.82185
414366.08	3773887.64	403.15841	414416.08	3773887.64	309.23866
414466.08	3773887.64	218.95780	414516.08	3773887.64	146.58917
414566.08	3773887.64	119.61451	414616.08	3773887.64	114.84342
414666.08	3773887.64	104.43177	414716.08	3773887.64	97.17999
414766.08	3773887.64	91.16285	414816.08	3773887.64	85.79459
414866.08	3773887.64	80.65881	414916.08	3773887.64	75.76892
414966.08	3773887.64	71.21069	415016.08	3773887.64	66.85866
414016.08	3773937.64	174.49777	414066.08	3773937.64	221.38811
414116.08	3773937.64	284.67319	414166.08	3773937.64	367.24259
414216.08	3773937.64	466.21830	414266.08	3773937.64	560.94449
414316.08	3773937.64	611.72445	414666.08	3773937.64	138.98134
414716.08	3773937.64	128.50820	414766.08	3773937.64	119.06083
414816.08	3773937.64	110.24739	414866.08	3773937.64	101.93233
414916.08	3773937.64	94.32825	414966.08	3773937.64	87.01315
415016.08	3773937.64	80.50621	414016.08	3773987.64	171.21133
414066.08	3773987.64	221.18180	414116.08	3773987.64	293.86827
414166.08	3773987.64	400.32238	414216.08	3773987.64	549.49742
414266.08	3773987.64	732.37861	414316.08	3773987.64	882.98519
414666.08	3773987.64	196.83408	414716.08	3773987.64	177.56279
414766.08	3773987.64	159.86558	414816.08	3773987.64	143.97975
414866.08	3773987.64	129.82130	414916.08	3773987.64	117.38486
414966.08	3773987.64	106.51685	415016.08	3773987.64	96.88183
414016.08	3774037.64	163.51006	414066.08	3774037.64	213.05159
414116.08	3774037.64	289.08244	414166.08	3774037.64	411.11030

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA3 ***

INCLUDING SOURCE(S): AREA3 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414216.08	3774037.64	613.11758	414266.08	3774037.64	935.72589
414316.08	3774037.64	1388.94800	414666.08	3774037.64	292.38801
414716.08	3774037.64	251.03433	414766.08	3774037.64	216.41531
414816.08	3774037.64	187.99814	414866.08	3774037.64	164.50033
414916.08	3774037.64	145.14920	414966.08	3774037.64	128.95395
415016.08	3774037.64	115.38973	414016.08	3774087.64	151.91456

414066.08	3774087.64	197.66490	414116.08	3774087.64	269.38328
414166.08	3774087.64	390.50646	414216.08	3774087.64	616.00273
414266.08	3774087.64	1081.81667	414316.08	3774087.64	2006.87982
414666.08	3774087.64	433.28959	414716.08	3774087.64	348.19663
414766.08	3774087.64	286.00101	414816.08	3774087.64	238.98794
414866.08	3774087.64	203.46214	414916.08	3774087.64	175.34322
414966.08	3774087.64	153.03908	415016.08	3774087.64	134.83547
414016.08	3774137.64	137.41408	414066.08	3774137.64	177.07119
414116.08	3774137.64	238.43844	414166.08	3774137.64	341.52822
414216.08	3774137.64	537.09812	414266.08	3774137.64	987.30723
414316.08	3774137.64	2081.43451	414666.08	3774137.64	589.68111
414716.08	3774137.64	448.60281	414766.08	3774137.64	354.85997
414816.08	3774137.64	288.95121	414866.08	3774137.64	240.63514
414916.08	3774137.64	203.92047	414966.08	3774137.64	175.50690
415016.08	3774137.64	153.07667	414016.08	3774187.64	120.90743
414066.08	3774187.64	152.89449	414116.08	3774187.64	201.26074
414166.08	3774187.64	278.57135	414216.08	3774187.64	416.33195
414266.08	3774187.64	701.53832	414316.08	3774187.64	1447.85824
414666.08	3774187.64	689.13990	414716.08	3774187.64	516.30302
414766.08	3774187.64	403.43966	414816.08	3774187.64	325.03341
414866.08	3774187.64	268.55280	414916.08	3774187.64	226.09440
414966.08	3774187.64	193.46286	415016.08	3774187.64	167.95101
414016.08	3774237.64	103.77656	414066.08	3774237.64	128.11893
414116.08	3774237.64	162.65902	414166.08	3774237.64	213.69641
414216.08	3774237.64	293.45927	414266.08	3774237.64	425.89035
414316.08	3774237.64	649.47448	414666.08	3774237.64	676.40677
414716.08	3774237.64	520.88837	414766.08	3774237.64	413.97160
414816.08	3774237.64	337.41359	414866.08	3774237.64	280.75062
414916.08	3774237.64	237.32134	414966.08	3774237.64	203.66994
415016.08	3774237.64	177.02537	414016.08	3774287.64	87.26947
414066.08	3774287.64	104.57128	414116.08	3774287.64	127.14947
414166.08	3774287.64	157.45867	414216.08	3774287.64	197.86589
414266.08	3774287.64	250.20493	414316.08	3774287.64	312.24388
414666.08	3774287.64	567.85431	414716.08	3774287.64	465.46214

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA3 ***

INCLUDING SOURCE(S): AREA3 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414766.08	3774287.64	385.26131	414816.08	3774287.64	322.70188
414866.08	3774287.64	274.37599	414916.08	3774287.64	235.28664
414966.08	3774287.64	204.18194	415016.08	3774287.64	178.94618
414016.08	3774337.64	72.44329	414066.08	3774337.64	84.06007
414116.08	3774337.64	98.22249	414166.08	3774337.64	115.08540
414216.08	3774337.64	134.52516	414266.08	3774337.64	155.52082

414316.08	3774337.64	176.18112	414366.08	3774337.64	199.22703
414416.08	3774337.64	241.85989	414466.08	3774337.64	336.01083
414516.08	3774337.64	440.36892	414566.08	3774337.64	482.12254
414666.08	3774337.64	430.78139	414716.08	3774337.64	387.34705
414766.08	3774337.64	328.84238	414816.08	3774337.64	302.09887
414866.08	3774337.64	251.76979	414916.08	3774337.64	234.35194
414966.08	3774337.64	206.87083	415016.08	3774337.64	183.26362
414016.08	3774387.64	59.81671	414066.08	3774387.64	67.40018
414116.08	3774387.64	75.89856	414166.08	3774387.64	85.12871
414216.08	3774387.64	94.69335	414266.08	3774387.64	103.78347
414316.08	3774387.64	112.35550	414366.08	3774387.64	122.79777
414416.08	3774387.64	141.07753	414466.08	3774387.64	176.17636
414516.08	3774387.64	227.90172	414566.08	3774387.64	273.23171
414616.08	3774387.64	279.28312	414666.08	3774387.64	287.97562
414716.08	3774387.64	282.75659	414766.08	3774387.64	267.88929
414816.08	3774387.64	240.72127	414866.08	3774387.64	218.48279
414916.08	3774387.64	206.63584	414966.08	3774387.64	188.33290
415016.08	3774387.64	171.59788	414016.08	3774437.64	49.33799
414066.08	3774437.64	54.20331	414116.08	3774437.64	59.35253
414166.08	3774437.64	64.37640	414216.08	3774437.64	69.23350
414266.08	3774437.64	73.62505	414316.08	3774437.64	75.98437
414366.08	3774437.64	80.88091	414416.08	3774437.64	88.66414
414466.08	3774437.64	101.45292	414516.08	3774437.64	121.69010
414566.08	3774437.64	145.14871	414616.08	3774437.64	168.23574
414666.08	3774437.64	186.16066	414716.08	3774437.64	195.43797
414766.08	3774437.64	196.39052	414816.08	3774437.64	193.12940
414866.08	3774437.64	185.65800	414916.08	3774437.64	175.88810
414966.08	3774437.64	165.09730	415016.08	3774437.64	154.19890
414016.08	3774487.64	40.95801	414066.08	3774487.64	44.02716
414116.08	3774487.64	47.09879	414166.08	3774487.64	49.00779
414216.08	3774487.64	51.53465	414266.08	3774487.64	53.64179
414316.08	3774487.64	55.88795	414366.08	3774487.64	58.75810
414416.08	3774487.64	62.69268	414466.08	3774487.64	69.60027
414516.08	3774487.64	78.83763	414566.08	3774487.64	92.45538

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA3 ***

INCLUDING SOURCE(S): AREA3 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414616.08	3774487.64	106.32734	414666.08	3774487.64	119.40616
414716.08	3774487.64	129.20097	414766.08	3774487.64	140.97113
414816.08	3774487.64	143.47577	414866.08	3774487.64	144.41532
414916.08	3774487.64	142.08953	414966.08	3774487.64	137.70652
415016.08	3774487.64	132.27696	414016.08	3774537.64	34.20307
414066.08	3774537.64	36.16415	414116.08	3774537.64	38.01104

414166.08	3774537.64	38.95087	414216.08	3774537.64	40.42255
414266.08	3774537.64	41.43352	414316.08	3774537.64	42.85111
414366.08	3774537.64	44.58580	414416.08	3774537.64	47.28801
414466.08	3774537.64	50.69688	414516.08	3774537.64	55.96079
414566.08	3774537.64	63.34536	414616.08	3774537.64	71.77501
414666.08	3774537.64	80.92576	414716.08	3774537.64	89.22508
414766.08	3774537.64	99.63452	414816.08	3774537.64	103.84602
414866.08	3774537.64	109.10300	414916.08	3774537.64	111.03698
414966.08	3774537.64	111.07574	415016.08	3774537.64	109.52407
414016.08	3774587.64	28.32880	414066.08	3774587.64	29.46388
414116.08	3774587.64	30.65691	414166.08	3774587.64	31.58585
414216.08	3774587.64	32.51967	414266.08	3774587.64	33.15936
414316.08	3774587.64	34.08554	414366.08	3774587.64	35.27337
414416.08	3774587.64	36.86373	414466.08	3774587.64	39.10987
414516.08	3774587.64	42.24616	414566.08	3774587.64	46.58583
414616.08	3774587.64	51.86680	414666.08	3774587.64	58.00185
414716.08	3774587.64	64.07052	414766.08	3774587.64	71.33253
414816.08	3774587.64	76.39130	414866.08	3774587.64	81.43382
414916.08	3774587.64	85.03054	414966.08	3774587.64	87.46543
415016.08	3774587.64	88.40950	414016.08	3774637.64	23.99932
414066.08	3774637.64	24.60306	414116.08	3774637.64	25.29713
414166.08	3774637.64	25.96316	414216.08	3774637.64	26.67455
414266.08	3774637.64	27.17163	414316.08	3774637.64	27.82524
414366.08	3774637.64	28.50051	414416.08	3774637.64	29.60240
414466.08	3774637.64	30.79467	414516.08	3774637.64	32.98603
414566.08	3774637.64	35.90632	414616.08	3774637.64	39.40174
414666.08	3774637.64	43.45390	414716.08	3774637.64	47.54161
414766.08	3774637.64	51.95518	414816.08	3774637.64	56.39707
414866.08	3774637.64	60.71115	414916.08	3774637.64	64.33070
414966.08	3774637.64	67.67186	415016.08	3774637.64	69.90023
414361.21	3774308.59	278.36705	414586.99	3774306.89	654.06021
414586.99	3774347.63	433.50262	414636.22	3774347.63	417.36272
414629.43	3773930.02	141.19875	414359.51	3773930.02	550.61363
414406.37	3774308.25	341.98549	414451.52	3774307.91	492.61341

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA3 ***

INCLUDING SOURCE(S): AREA3 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414496.68	3774307.57	656.27095	414541.83	3774307.23	699.52890
414635.47	3774301.23	590.95738	414634.71	3774254.83	764.65705
414633.96	3774208.43	860.17566	414633.20	3774162.03	809.82795
414632.45	3774115.62	635.47780	414631.69	3774069.22	435.06997
414630.94	3774022.82	284.85108	414630.18	3773976.42	193.74514
414584.44	3773930.02	152.19891	414539.46	3773930.02	166.24407

414494.47	3773930.02	223.00651	414449.48	3773930.02	307.57833
414404.50	3773930.02	455.23981	414359.72	3773977.34	814.35685
414359.94	3774024.66	1274.25728	414360.15	3774071.98	2505.61742
414360.36	3774119.31	5996.01370	414360.57	3774166.63	7245.09663
414360.79	3774213.95	1644.30698	414361.00	3774261.27	577.29209
414651.22	3774193.13	763.29958	414651.22	3774219.08	761.17031
414651.87	3774247.64	714.20377	414651.87	3774278.78	630.46441
414651.87	3774298.90	565.79011	414652.52	3774320.31	493.64149
414651.87	3774365.09	356.49964	414653.17	3774345.62	412.68747
414649.27	3774056.86	364.00789	414651.22	3774134.08	634.02022
414650.57	3774166.52	728.69175	414647.97	3774014.03	252.76898
414248.25	3774308.63	190.17876	414246.95	3774293.71	216.56444
414246.30	3774277.48	250.93131	414246.30	3774261.91	290.59099
414246.95	3774244.39	344.36185	414245.65	3774234.01	375.85349
414246.30	3774219.73	430.14116	414245.65	3774206.11	480.97597
414245.00	3774187.94	551.74238	414244.36	3774168.47	626.39028
414244.36	3774156.14	674.28633	414244.36	3774136.02	745.30630
414241.76	3774052.96	789.76577	414242.41	3774036.74	764.91524
414243.06	3774017.27	723.65130	414243.06	3773979.64	624.97257
414239.81	3773932.92	503.03883	414239.16	3773893.33	421.85274
414646.03	3773967.31	175.78282	414647.97	3773917.34	126.56686
414646.03	3773895.93	112.78248	414646.68	3773877.11	102.42336
414646.68	3773841.42	87.26791	414644.73	3773799.89	74.80660
414649.92	3774091.90	484.07241	414651.87	3774207.40	763.80672
414647.28	3773769.60	67.21891	414647.28	3773722.90	58.53922
414588.50	3773543.39	45.99853	414530.55	3773519.46	52.82083
414486.45	3773503.08	58.94888	414427.23	3773494.26	69.65961
414356.68	3773470.32	79.34573	414273.52	3773436.30	85.67374
414053.04	3773606.39	131.20297	414834.19	3774266.59	311.22694

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA4 ***

INCLUDING SOURCE(S): AREA4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414016.08	3773637.64	134.66121	414066.08	3773637.64	155.25223
414116.08	3773637.64	165.98171	414166.08	3773637.64	175.69192
414216.08	3773637.64	178.98736	414266.08	3773637.64	172.56534
414316.08	3773637.64	137.34425	414366.08	3773637.64	119.27780
414416.08	3773637.64	105.15777	414466.08	3773637.64	98.40663
414516.08	3773637.64	80.37709	414566.08	3773637.64	56.01077
414616.08	3773637.64	44.19243	414666.08	3773637.64	40.54493
414716.08	3773637.64	36.81992	414766.08	3773637.64	33.79739
414816.08	3773637.64	31.86552	414866.08	3773637.64	30.39694
414916.08	3773637.64	29.15213	414966.08	3773637.64	28.23070
415016.08	3773637.64	27.31100	414016.08	3773687.64	139.36331

414066.08	3773687.64	164.38043	414116.08	3773687.64	186.48685
414166.08	3773687.64	174.92229	414216.08	3773687.64	176.44586
414266.08	3773687.64	169.66347	414316.08	3773687.64	157.62874
414366.08	3773687.64	140.95464	414416.08	3773687.64	124.90422
414466.08	3773687.64	115.34367	414516.08	3773687.64	92.35781
414566.08	3773687.64	65.71786	414616.08	3773687.64	50.23460
414666.08	3773687.64	45.19674	414716.08	3773687.64	41.67904
414766.08	3773687.64	38.29066	414816.08	3773687.64	36.45766
414866.08	3773687.64	34.78135	414916.08	3773687.64	33.46348
414966.08	3773687.64	32.30378	415016.08	3773687.64	31.21045
414016.08	3773737.64	142.65458	414066.08	3773737.64	170.80405
414116.08	3773737.64	209.58774	414166.08	3773737.64	199.21132
414216.08	3773737.64	199.08385	414266.08	3773737.64	202.14075
414316.08	3773737.64	192.56208	414366.08	3773737.64	174.73336
414416.08	3773737.64	151.19156	414466.08	3773737.64	137.62389
414516.08	3773737.64	108.19627	414566.08	3773737.64	78.52107
414616.08	3773737.64	57.35128	414666.08	3773737.64	51.76908
414716.08	3773737.64	47.76616	414766.08	3773737.64	44.45996
414816.08	3773737.64	42.41735	414866.08	3773737.64	40.72601
414916.08	3773737.64	39.25474	414966.08	3773737.64	37.84595
415016.08	3773737.64	36.43293	414016.08	3773787.64	145.51199
414066.08	3773787.64	176.45571	414116.08	3773787.64	240.37657
414166.08	3773787.64	260.16997	414216.08	3773787.64	257.80874
414266.08	3773787.64	265.26877	414316.08	3773787.64	254.30506
414366.08	3773787.64	227.57425	414416.08	3773787.64	198.16507
414466.08	3773787.64	167.75741	414516.08	3773787.64	128.59146
414566.08	3773787.64	102.89000	414616.08	3773787.64	66.90862
414666.08	3773787.64	60.42852	414716.08	3773787.64	56.16792
414766.08	3773787.64	53.01423	414816.08	3773787.64	52.30665

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA4 ***

INCLUDING SOURCE(S): AREA4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414866.08	3773787.64	48.38206	414916.08	3773787.64	46.30877
414966.08	3773787.64	44.09355	415016.08	3773787.64	42.31493
414016.08	3773837.64	143.16720	414066.08	3773837.64	176.71203
414116.08	3773837.64	222.18178	414166.08	3773837.64	277.55217
414216.08	3773837.64	330.72089	414266.08	3773837.64	402.66009
414316.08	3773837.64	384.85150	414366.08	3773837.64	360.65839
414416.08	3773837.64	278.99600	414466.08	3773837.64	209.98348
414516.08	3773837.64	156.00867	414566.08	3773837.64	124.75620
414616.08	3773837.64	79.70655	414666.08	3773837.64	72.88506
414716.08	3773837.64	68.49472	414766.08	3773837.64	64.86923
414816.08	3773837.64	61.93112	414866.08	3773837.64	58.73339

414916.08	3773837.64	55.98646	414966.08	3773837.64	53.19530
415016.08	3773837.64	50.52764	414016.08	3773887.64	142.59977
414066.08	3773887.64	176.98636	414116.08	3773887.64	223.77201
414166.08	3773887.64	289.24936	414216.08	3773887.64	371.25024
414266.08	3773887.64	453.18312	414316.08	3773887.64	470.72750
414366.08	3773887.64	383.75835	414416.08	3773887.64	334.27020
414466.08	3773887.64	244.05340	414516.08	3773887.64	195.87955
414566.08	3773887.64	157.41841	414616.08	3773887.64	99.27658
414666.08	3773887.64	92.28459	414716.08	3773887.64	86.72567
414766.08	3773887.64	81.76606	414816.08	3773887.64	77.19026
414866.08	3773887.64	72.84653	414916.08	3773887.64	68.05411
414966.08	3773887.64	64.51690	415016.08	3773887.64	60.67116
414016.08	3773937.64	138.82311	414066.08	3773937.64	173.68818
414116.08	3773937.64	220.51490	414166.08	3773937.64	290.93538
414216.08	3773937.64	397.53316	414266.08	3773937.64	545.87524
414316.08	3773937.64	637.48306	414666.08	3773937.64	123.82165
414716.08	3773937.64	115.57110	414766.08	3773937.64	107.58812
414816.08	3773937.64	99.90934	414866.08	3773937.64	93.12958
414916.08	3773937.64	88.13829	414966.08	3773937.64	79.00590
415016.08	3773937.64	73.28112	414016.08	3773987.64	133.79933
414066.08	3773987.64	167.67669	414116.08	3773987.64	216.09564
414166.08	3773987.64	290.44896	414216.08	3773987.64	410.75997
414266.08	3773987.64	612.85245	414316.08	3773987.64	820.93752
414666.08	3773987.64	178.01113	414716.08	3773987.64	161.07477
414766.08	3773987.64	144.46408	414816.08	3773987.64	131.03371
414866.08	3773987.64	118.47217	414916.08	3773987.64	107.30335
414966.08	3773987.64	98.31360	415016.08	3773987.64	89.08286
414016.08	3774037.64	126.21370	414066.08	3774037.64	155.47745
414116.08	3774037.64	200.73753	414166.08	3774037.64	271.18245

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA4 ***

INCLUDING SOURCE(S): AREA4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414216.08	3774037.64	391.57074	414266.08	3774037.64	635.43415
414316.08	3774037.64	1076.58268	414666.08	3774037.64	264.28980
414716.08	3774037.64	229.80479	414766.08	3774037.64	197.12428
414816.08	3774037.64	173.06425	414866.08	3774037.64	151.62859
414916.08	3774037.64	134.63490	414966.08	3774037.64	119.17675
415016.08	3774037.64	106.25999	414016.08	3774087.64	115.14683
414066.08	3774087.64	143.26232	414116.08	3774087.64	183.67836
414166.08	3774087.64	249.45276	414216.08	3774087.64	360.63308
414266.08	3774087.64	589.71856	414316.08	3774087.64	1163.45459
414666.08	3774087.64	395.69158	414716.08	3774087.64	320.66483
414766.08	3774087.64	269.28231	414816.08	3774087.64	222.71723

414866.08	3774087.64	192.43575	414916.08	3774087.64	165.31070
414966.08	3774087.64	145.52770	415016.08	3774087.64	127.64565
414016.08	3774137.64	100.91357	414066.08	3774137.64	124.10595
414116.08	3774137.64	158.14402	414166.08	3774137.64	207.80988
414216.08	3774137.64	291.54135	414266.08	3774137.64	460.96238
414316.08	3774137.64	857.61365	414666.08	3774137.64	548.26780
414716.08	3774137.64	423.07999	414766.08	3774137.64	338.14250
414816.08	3774137.64	280.33987	414866.08	3774137.64	234.16971
414916.08	3774137.64	197.22011	414966.08	3774137.64	169.02317
415016.08	3774137.64	147.60364	414016.08	3774187.64	87.06015
414066.08	3774187.64	103.14778	414116.08	3774187.64	128.84466
414166.08	3774187.64	161.85770	414216.08	3774187.64	213.52806
414266.08	3774187.64	300.26280	414316.08	3774187.64	444.75480
414666.08	3774187.64	617.32831	414716.08	3774187.64	485.62847
414766.08	3774187.64	391.05017	414816.08	3774187.64	317.51030
414866.08	3774187.64	265.71589	414916.08	3774187.64	223.94274
414966.08	3774187.64	191.56380	415016.08	3774187.64	167.87762
414016.08	3774237.64	72.54183	414066.08	3774237.64	85.49251
414116.08	3774237.64	102.99769	414166.08	3774237.64	123.13488
414216.08	3774237.64	150.78028	414266.08	3774237.64	188.75259
414316.08	3774237.64	228.06633	414666.08	3774237.64	521.63144
414716.08	3774237.64	445.03337	414766.08	3774237.64	379.95650
414816.08	3774237.64	321.40744	414866.08	3774237.64	277.73337
414916.08	3774237.64	236.04300	414966.08	3774237.64	205.75977
415016.08	3774237.64	181.65403	414016.08	3774287.64	60.89114
414066.08	3774287.64	70.25616	414116.08	3774287.64	80.64112
414166.08	3774287.64	93.41316	414216.08	3774287.64	106.72342
414266.08	3774287.64	119.41117	414316.08	3774287.64	131.81682
414666.08	3774287.64	351.86066	414716.08	3774287.64	337.50832

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA4 ***

INCLUDING SOURCE(S): AREA4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414766.08	3774287.64	314.77964	414816.08	3774287.64	282.47016
414866.08	3774287.64	258.87848	414916.08	3774287.64	227.28874
414966.08	3774287.64	203.32867	415016.08	3774287.64	182.87333
414016.08	3774337.64	51.36897	414066.08	3774337.64	57.52544
414116.08	3774337.64	64.32315	414166.08	3774337.64	70.66763
414216.08	3774337.64	75.60102	414266.08	3774337.64	80.10009
414316.08	3774337.64	85.48645	414366.08	3774337.64	92.30262
414416.08	3774337.64	99.86568	414466.08	3774337.64	115.74423
414516.08	3774337.64	139.50588	414566.08	3774337.64	167.40353
414666.08	3774337.64	213.15487	414716.08	3774337.64	226.74791
414766.08	3774337.64	229.61533	414816.08	3774337.64	222.61593

414866.08	3774337.64	216.45978	414916.08	3774337.64	198.64722
414966.08	3774337.64	184.52612	415016.08	3774337.64	170.75557
414016.08	3774387.64	43.16211	414066.08	3774387.64	47.04327
414116.08	3774387.64	50.67501	414166.08	3774387.64	53.23766
414216.08	3774387.64	55.34725	414266.08	3774387.64	57.50856
414316.08	3774387.64	60.84146	414366.08	3774387.64	64.20555
414416.08	3774387.64	67.57492	414466.08	3774387.64	74.68748
414516.08	3774387.64	86.41648	414566.08	3774387.64	100.46617
414616.08	3774387.64	115.35728	414666.08	3774387.64	130.98255
414716.08	3774387.64	145.47028	414766.08	3774387.64	156.34927
414816.08	3774387.64	163.96266	414866.08	3774387.64	165.12047
414916.08	3774387.64	162.08178	414966.08	3774387.64	156.23148
415016.08	3774387.64	148.95229	414016.08	3774437.64	36.34893
414066.08	3774437.64	38.42835	414116.08	3774437.64	40.19631
414166.08	3774437.64	40.90353	414216.08	3774437.64	41.98393
414266.08	3774437.64	43.56564	414316.08	3774437.64	45.52852
414366.08	3774437.64	47.20383	414416.08	3774437.64	48.79414
414466.08	3774437.64	52.57493	414516.08	3774437.64	59.29711
414566.08	3774437.64	66.99612	414616.08	3774437.64	75.64181
414666.08	3774437.64	85.27891	414716.08	3774437.64	95.46289
414766.08	3774437.64	104.11858	414816.08	3774437.64	112.48626
414866.08	3774437.64	119.06062	414916.08	3774437.64	122.36696
414966.08	3774437.64	123.12423	415016.08	3774437.64	121.62363
414016.08	3774487.64	30.47799	414066.08	3774487.64	31.43755
414116.08	3774487.64	32.19589	414166.08	3774487.64	32.30546
414216.08	3774487.64	33.14703	414266.08	3774487.64	34.37049
414316.08	3774487.64	35.76986	414366.08	3774487.64	36.65160
414416.08	3774487.64	37.09490	414466.08	3774487.64	39.42422
414516.08	3774487.64	43.14336	414566.08	3774487.64	48.41136

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA4 ***

INCLUDING SOURCE(S): AREA4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414616.08	3774487.64	53.56967	414666.08	3774487.64	58.96691
414716.08	3774487.64	64.44695	414766.08	3774487.64	73.19450
414816.08	3774487.64	79.04117	414866.08	3774487.64	85.73817
414916.08	3774487.64	90.93477	414966.08	3774487.64	94.12845
415016.08	3774487.64	95.79503	414016.08	3774537.64	25.52285
414066.08	3774537.64	25.86837	414116.08	3774537.64	26.18214
414166.08	3774537.64	26.42124	414216.08	3774537.64	27.28526
414266.08	3774537.64	27.95769	414316.08	3774537.64	28.79283
414366.08	3774537.64	29.13870	414416.08	3774537.64	29.62102
414466.08	3774537.64	30.56146	414516.08	3774537.64	33.04069
414566.08	3774537.64	36.48817	414616.08	3774537.64	40.05963

414666.08	3774537.64	43.72145	414716.08	3774537.64	47.39546
414766.08	3774537.64	52.89981	414816.08	3774537.64	56.72891
414866.08	3774537.64	62.37703	414916.08	3774537.64	67.15182
414966.08	3774537.64	71.16677	415016.08	3774537.64	74.08141
414016.08	3774587.64	21.30455	414066.08	3774587.64	21.40540
414116.08	3774587.64	21.71852	414166.08	3774587.64	22.08757
414216.08	3774587.64	22.86528	414266.08	3774587.64	23.35264
414316.08	3774587.64	23.87635	414366.08	3774587.64	24.01274
414416.08	3774587.64	24.14746	414466.08	3774587.64	24.76671
414516.08	3774587.64	26.34166	414566.08	3774587.64	28.67669
414616.08	3774587.64	31.28272	414666.08	3774587.64	33.99354
414716.08	3774587.64	36.58214	414766.08	3774587.64	39.94871
414816.08	3774587.64	42.95377	414866.08	3774587.64	46.62361
414916.08	3774587.64	50.23072	414966.08	3774587.64	53.96458
415016.08	3774587.64	57.08259	414016.08	3774637.64	18.03540
414066.08	3774637.64	17.91537	414116.08	3774637.64	18.10142
414166.08	3774637.64	18.59404	414216.08	3774637.64	19.39334
414266.08	3774637.64	19.76012	414316.08	3774637.64	20.04612
414366.08	3774637.64	19.96728	414416.08	3774637.64	20.07517
414466.08	3774637.64	20.19477	414516.08	3774637.64	21.41285
414566.08	3774637.64	23.16918	414616.08	3774637.64	25.18068
414666.08	3774637.64	27.25195	414716.08	3774637.64	29.06511
414766.08	3774637.64	31.06415	414816.08	3774637.64	33.24051
414866.08	3774637.64	35.73702	414916.08	3774637.64	38.35445
414966.08	3774637.64	41.31109	415016.08	3774637.64	43.98883
414361.21	3774308.59	118.20081	414586.99	3774306.89	261.76712
414586.99	3774347.63	159.64754	414636.22	3774347.63	182.99043
414629.43	3773930.02	124.57415	414359.51	3773930.02	552.03293
414406.37	3774308.25	129.53628	414451.52	3774307.91	150.38992

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA4 ***

INCLUDING SOURCE(S): AREA4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414496.68	3774307.57	184.03844	414541.83	3774307.23	223.48214
414635.47	3774301.23	306.77245	414634.71	3774254.83	496.77443
414633.96	3774208.43	689.71153	414633.20	3774162.03	730.48319
414632.45	3774115.62	587.05092	414631.69	3774069.22	396.68291
414630.94	3774022.82	257.23754	414630.18	3773976.42	173.18958
414584.44	3773930.02	165.44514	414539.46	3773930.02	226.03477
414494.47	3773930.02	250.47226	414449.48	3773930.02	366.72006
414404.50	3773930.02	374.40978	414359.72	3773977.34	815.88060
414359.94	3774024.66	1647.59331	414360.15	3774071.98	2944.54147
414360.36	3774119.31	4009.92277	414360.57	3774166.63	1179.91771
414360.79	3774213.95	383.61680	414361.00	3774261.27	192.76243

414651.22	3774193.13	662.14013	414651.22	3774219.08	610.90763
414651.87	3774247.64	511.67957	414651.87	3774278.78	390.57913
414651.87	3774298.90	319.13208	414652.52	3774320.31	254.41755
414651.87	3774365.09	158.67748	414653.17	3774345.62	194.51989
414649.27	3774056.86	332.73656	414651.22	3774134.08	589.35332
414650.57	3774166.52	663.15923	414647.97	3774014.03	228.98528
414248.25	3774308.63	98.08325	414246.95	3774293.71	110.13071
414246.30	3774277.48	125.41530	414246.30	3774261.91	142.44858
414246.95	3774244.39	164.66978	414245.65	3774234.01	178.84994
414246.30	3774219.73	201.86310	414245.65	3774206.11	224.79732
414245.00	3774187.94	259.67469	414244.36	3774168.47	301.55549
414244.36	3774156.14	330.54261	414244.36	3774136.02	379.07844
414241.76	3774052.96	496.62388	414242.41	3774036.74	507.75305
414243.06	3774017.27	516.07285	414243.06	3773979.64	510.49082
414239.81	3773932.92	465.63294	414239.16	3773893.33	422.58237
414646.03	3773967.31	157.51921	414647.97	3773917.34	112.18391
414646.03	3773895.93	99.64780	414646.68	3773877.11	90.44222
414646.68	3773841.42	76.88613	414644.73	3773799.89	65.79509
414649.92	3774091.90	446.50943	414651.87	3774207.40	638.11844
414647.28	3773769.60	59.26285	414647.28	3773722.90	51.72020
414588.50	3773543.39	38.45632	414530.55	3773519.46	42.72704
414486.45	3773503.08	48.22153	414427.23	3773494.26	60.49981
414356.68	3773470.32	76.30334	414273.52	3773436.30	91.96274
414053.04	3773606.39	143.82380	414834.19	3774266.59	290.77843

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA5 ***

INCLUDING SOURCE(S): AREA5 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414016.08	3773637.64	123.52987	414066.08	3773637.64	145.29788
414116.08	3773637.64	192.00196	414166.08	3773637.64	203.63491
414216.08	3773637.64	200.81579	414266.08	3773637.64	198.80396
414316.08	3773637.64	161.43304	414366.08	3773637.64	139.20257
414416.08	3773637.64	122.81068	414466.08	3773637.64	111.97404
414516.08	3773637.64	89.63000	414566.08	3773637.64	55.88981
414616.08	3773637.64	42.97208	414666.08	3773637.64	39.96753
414716.08	3773637.64	36.18255	414766.08	3773637.64	33.31762
414816.08	3773637.64	31.67735	414866.08	3773637.64	30.38796
414916.08	3773637.64	29.38689	414966.08	3773637.64	28.57226
415016.08	3773637.64	27.67546	414016.08	3773687.64	124.89754
414066.08	3773687.64	149.81060	414116.08	3773687.64	203.22497
414166.08	3773687.64	200.81727	414216.08	3773687.64	205.15863
414266.08	3773687.64	198.47932	414316.08	3773687.64	185.29236
414366.08	3773687.64	166.26355	414416.08	3773687.64	147.96509
414466.08	3773687.64	133.30950	414516.08	3773687.64	104.43610

414566.08	3773687.64	65.96976	414616.08	3773687.64	49.06783
414666.08	3773687.64	44.38159	414716.08	3773687.64	41.19768
414766.08	3773687.64	37.96197	414816.08	3773687.64	36.62350
414866.08	3773687.64	35.12280	414916.08	3773687.64	33.84245
414966.08	3773687.64	32.87778	415016.08	3773687.64	31.75543
414016.08	3773737.64	125.58571	414066.08	3773737.64	151.31325
414116.08	3773737.64	227.33853	414166.08	3773737.64	228.68073
414216.08	3773737.64	229.42764	414266.08	3773737.64	237.86698
414316.08	3773737.64	229.65440	414366.08	3773737.64	210.49166
414416.08	3773737.64	182.29702	414466.08	3773737.64	161.80557
414516.08	3773737.64	123.67846	414566.08	3773737.64	79.32347
414616.08	3773737.64	56.14358	414666.08	3773737.64	50.93510
414716.08	3773737.64	47.51671	414766.08	3773737.64	44.70030
414816.08	3773737.64	43.02799	414866.08	3773737.64	41.57427
414916.08	3773737.64	40.21230	414966.08	3773737.64	38.65318
415016.08	3773737.64	37.33115	414016.08	3773787.64	126.46532
414066.08	3773787.64	152.84809	414116.08	3773787.64	244.53747
414166.08	3773787.64	297.06231	414216.08	3773787.64	306.38990
414266.08	3773787.64	322.62353	414316.08	3773787.64	314.53295
414366.08	3773787.64	283.55097	414416.08	3773787.64	247.92553
414466.08	3773787.64	201.50941	414516.08	3773787.64	149.38616
414566.08	3773787.64	99.19457	414616.08	3773787.64	65.91477
414666.08	3773787.64	60.32863	414716.08	3773787.64	56.68803
414766.08	3773787.64	54.02227	414816.08	3773787.64	54.23328

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA5 ***

INCLUDING SOURCE(S): AREA5 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414866.08	3773787.64	49.74048	414916.08	3773787.64	47.56856
414966.08	3773787.64	45.17646	415016.08	3773787.64	43.43528
414016.08	3773837.64	122.75705	414066.08	3773837.64	150.02642
414116.08	3773837.64	188.87840	414166.08	3773837.64	240.91414
414216.08	3773837.64	300.76558	414266.08	3773837.64	511.29432
414316.08	3773837.64	495.94778	414366.08	3773837.64	460.33522
414416.08	3773837.64	360.21179	414466.08	3773837.64	259.13488
414516.08	3773837.64	185.82198	414566.08	3773837.64	134.70182
414616.08	3773837.64	79.50164	414666.08	3773837.64	73.96942
414716.08	3773837.64	70.31707	414766.08	3773837.64	67.13961
414816.08	3773837.64	64.21962	414866.08	3773837.64	60.84080
414916.08	3773837.64	58.02118	414966.08	3773837.64	54.93576
415016.08	3773837.64	52.23709	414016.08	3773887.64	121.40938
414066.08	3773887.64	148.58765	414116.08	3773887.64	186.17818
414166.08	3773887.64	242.97214	414216.08	3773887.64	326.43978
414266.08	3773887.64	433.93156	414316.08	3773887.64	494.09698

414366.08	3773887.64	411.18119	414416.08	3773887.64	332.68120
414466.08	3773887.64	242.68540	414516.08	3773887.64	242.27165
414566.08	3773887.64	194.69427	414616.08	3773887.64	102.18609
414666.08	3773887.64	96.47044	414716.08	3773887.64	91.28423
414766.08	3773887.64	85.89144	414816.08	3773887.64	80.85314
414866.08	3773887.64	76.26724	414916.08	3773887.64	70.74661
414966.08	3773887.64	66.98239	415016.08	3773887.64	62.91634
414016.08	3773937.64	116.49631	414066.08	3773937.64	144.07249
414116.08	3773937.64	181.21343	414166.08	3773937.64	239.43292
414216.08	3773937.64	337.97181	414266.08	3773937.64	508.43159
414316.08	3773937.64	698.59733	414666.08	3773937.64	134.26753
414716.08	3773937.64	124.52612	414766.08	3773937.64	114.83244
414816.08	3773937.64	106.13393	414866.08	3773937.64	98.16051
414916.08	3773937.64	92.86810	414966.08	3773937.64	82.01573
415016.08	3773937.64	75.52610	414016.08	3773987.64	110.47166
414066.08	3773987.64	136.91629	414116.08	3773987.64	174.84582
414166.08	3773987.64	234.49942	414216.08	3773987.64	338.11787
414266.08	3773987.64	547.84592	414316.08	3773987.64	963.42990
414666.08	3773987.64	199.80149	414716.08	3773987.64	176.56971
414766.08	3773987.64	155.76071	414816.08	3773987.64	139.09344
414866.08	3773987.64	124.12335	414916.08	3773987.64	111.43552
414966.08	3773987.64	101.38575	415016.08	3773987.64	91.24820
414016.08	3774037.64	102.25619	414066.08	3774037.64	124.09648
414116.08	3774037.64	158.59526	414166.08	3774037.64	214.06344

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA5 ***

INCLUDING SOURCE(S): AREA5 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414216.08	3774037.64	314.52360	414266.08	3774037.64	534.47899
414316.08	3774037.64	1124.09173	414666.08	3774037.64	299.73905
414716.08	3774037.64	250.65100	414766.08	3774037.64	209.89819
414816.08	3774037.64	180.84801	414866.08	3774037.64	156.01461
414916.08	3774037.64	137.48527	414966.08	3774037.64	120.92467
415016.08	3774037.64	106.94443	414016.08	3774087.64	91.41378
414066.08	3774087.64	111.32547	414116.08	3774087.64	140.04297
414166.08	3774087.64	187.19823	414216.08	3774087.64	269.62809
414266.08	3774087.64	448.09323	414316.08	3774087.64	952.70706
414666.08	3774087.64	432.44875	414716.08	3774087.64	337.47032
414766.08	3774087.64	277.35713	414816.08	3774087.64	225.98759
414866.08	3774087.64	193.55171	414916.08	3774087.64	165.55850
414966.08	3774087.64	145.19855	415016.08	3774087.64	127.20273
414016.08	3774137.64	78.39329	414066.08	3774137.64	94.06636
414116.08	3774137.64	116.54428	414166.08	3774137.64	148.65991
414216.08	3774137.64	202.03565	414266.08	3774137.64	302.83321

414316.08	3774137.64	496.54764	414666.08	3774137.64	535.88854
414716.08	3774137.64	411.55782	414766.08	3774137.64	328.19813
414816.08	3774137.64	271.91245	414866.08	3774137.64	227.54895
414916.08	3774137.64	191.91143	414966.08	3774137.64	164.65081
415016.08	3774137.64	143.79805	414016.08	3774187.64	66.89645
414066.08	3774187.64	77.15982	414116.08	3774187.64	93.58672
414166.08	3774187.64	113.94846	414216.08	3774187.64	144.60054
414266.08	3774187.64	190.16557	414316.08	3774187.64	244.63136
414666.08	3774187.64	502.52715	414716.08	3774187.64	414.49560
414766.08	3774187.64	345.12392	414816.08	3774187.64	287.22009
414866.08	3774187.64	244.38737	414916.08	3774187.64	208.50055
414966.08	3774187.64	180.28659	415016.08	3774187.64	159.38583
414016.08	3774237.64	55.86976	414066.08	3774237.64	64.33219
414116.08	3774237.64	75.52675	414166.08	3774237.64	87.74199
414216.08	3774237.64	102.87425	414266.08	3774237.64	119.50039
414316.08	3774237.64	134.01737	414666.08	3774237.64	354.96984
414716.08	3774237.64	328.93105	414766.08	3774237.64	298.52916
414816.08	3774237.64	264.82001	414866.08	3774237.64	237.16795
414916.08	3774237.64	207.05591	414966.08	3774237.64	184.42231
415016.08	3774237.64	165.89089	414016.08	3774287.64	47.45782
414066.08	3774287.64	53.65489	414116.08	3774287.64	60.03981
414166.08	3774287.64	67.03980	414216.08	3774287.64	72.99462
414266.08	3774287.64	77.79611	414316.08	3774287.64	84.48418
414666.08	3774287.64	215.38886	414716.08	3774287.64	223.05690

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA5 ***

INCLUDING SOURCE(S): AREA5 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414766.08	3774287.64	222.46499	414816.08	3774287.64	211.74495
414866.08	3774287.64	203.68107	414916.08	3774287.64	185.85425
414966.08	3774287.64	171.61584	415016.08	3774287.64	158.74842
414016.08	3774337.64	40.62497	414066.08	3774337.64	44.46215
414116.08	3774337.64	48.12510	414166.08	3774337.64	50.88167
414216.08	3774337.64	52.47918	414266.08	3774337.64	54.75727
414316.08	3774337.64	58.72443	414366.08	3774337.64	62.91687
414416.08	3774337.64	66.52700	414466.08	3774337.64	74.41075
414516.08	3774337.64	86.46369	414566.08	3774337.64	100.28859
414666.08	3774337.64	128.92205	414716.08	3774337.64	142.56940
414766.08	3774337.64	152.13624	414816.08	3774337.64	155.26551
414866.08	3774337.64	158.97122	414916.08	3774337.64	151.98731
414966.08	3774337.64	146.70427	415016.08	3774337.64	140.22760
414016.08	3774387.64	34.25329	414066.08	3774387.64	36.39782
414116.08	3774387.64	37.98104	414166.08	3774387.64	38.78104
414216.08	3774387.64	39.54720	414266.08	3774387.64	41.20294

414316.08	3774387.64	43.80576	414366.08	3774387.64	45.86345
414416.08	3774387.64	47.47959	414466.08	3774387.64	51.33045
414516.08	3774387.64	58.01045	414566.08	3774387.64	65.79161
414616.08	3774387.64	73.77524	414666.08	3774387.64	82.79778
414716.08	3774387.64	92.65475	414766.08	3774387.64	101.97887
414816.08	3774387.64	110.54742	414866.08	3774387.64	115.73616
414916.08	3774387.64	118.16095	414966.08	3774387.64	118.11935
415016.08	3774387.64	116.36369	414016.08	3774437.64	28.90500
414066.08	3774437.64	29.74471	414116.08	3774437.64	30.38052
414166.08	3774437.64	30.33558	414216.08	3774437.64	31.04269
414266.08	3774437.64	32.45159	414316.08	3774437.64	34.00744
414366.08	3774437.64	34.96496	414416.08	3774437.64	35.67721
414466.08	3774437.64	37.84593	414516.08	3774437.64	41.96921
414566.08	3774437.64	46.69464	414616.08	3774437.64	51.70442
414666.08	3774437.64	57.25261	414716.08	3774437.64	63.36244
414766.08	3774437.64	69.34076	414816.08	3774437.64	75.95227
414866.08	3774437.64	82.21859	414916.08	3774437.64	86.86853
414966.08	3774437.64	89.90900	415016.08	3774437.64	91.50158
414016.08	3774487.64	24.24502	414066.08	3774487.64	24.50016
414116.08	3774487.64	24.62684	414166.08	3774487.64	24.54623
414216.08	3774487.64	25.30827	414266.08	3774487.64	26.39019
414316.08	3774487.64	27.43424	414366.08	3774487.64	27.89364
414416.08	3774487.64	27.95334	414466.08	3774487.64	29.35141
414516.08	3774487.64	31.78038	414566.08	3774487.64	35.21068

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA5 ***

INCLUDING SOURCE(S): AREA5 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414616.08	3774487.64	38.48185	414666.08	3774487.64	41.76280
414716.08	3774487.64	45.06847	414766.08	3774487.64	50.52492
414816.08	3774487.64	54.60399	414866.08	3774487.64	59.68625
414916.08	3774487.64	64.31400	414966.08	3774487.64	67.94417
415016.08	3774487.64	70.68033	414016.08	3774537.64	20.42882
414066.08	3774537.64	20.33785	414116.08	3774537.64	20.40075
414166.08	3774537.64	20.59087	414216.08	3774537.64	21.37713
414266.08	3774537.64	21.96305	414316.08	3774537.64	22.57330
414366.08	3774537.64	22.71006	414416.08	3774537.64	22.85829
414466.08	3774537.64	23.40431	414516.08	3774537.64	25.06163
414566.08	3774537.64	27.41738	414616.08	3774537.64	29.84776
414666.08	3774537.64	32.27367	414716.08	3774537.64	34.52765
414766.08	3774537.64	38.00072	414816.08	3774537.64	40.52658
414866.08	3774537.64	44.50101	414916.08	3774537.64	48.12991
414966.08	3774537.64	51.57749	415016.08	3774537.64	54.44656
414016.08	3774587.64	17.11764	414066.08	3774587.64	17.04620

414116.08	3774587.64	17.26898	414166.08	3774587.64	17.60586
414216.08	3774587.64	18.33567	414266.08	3774587.64	18.71602
414316.08	3774587.64	19.05739	414366.08	3774587.64	19.06294
414416.08	3774587.64	18.99320	414466.08	3774587.64	19.34517
414516.08	3774587.64	20.43523	414566.08	3774587.64	22.07587
414616.08	3774587.64	23.95374	414666.08	3774587.64	25.84090
414716.08	3774587.64	27.57481	414766.08	3774587.64	29.77264
414816.08	3774587.64	31.70837	414866.08	3774587.64	34.20198
414916.08	3774587.64	36.79275	414966.08	3774587.64	39.63686
415016.08	3774587.64	42.23983	414016.08	3774637.64	14.63063
414066.08	3774637.64	14.44368	414116.08	3774637.64	14.64849
414166.08	3774637.64	15.15751	414216.08	3774637.64	15.81932
414266.08	3774637.64	16.09497	414316.08	3774637.64	16.26181
414366.08	3774637.64	16.11012	414416.08	3774637.64	16.04407
414466.08	3774637.64	16.06807	414516.08	3774637.64	16.93330
414566.08	3774637.64	18.21721	414616.08	3774637.64	19.70814
414666.08	3774637.64	21.19483	414716.08	3774637.64	22.53861
414766.08	3774637.64	23.86575	414816.08	3774637.64	25.31847
414866.08	3774637.64	26.98023	414916.08	3774637.64	28.79888
414966.08	3774637.64	30.94517	415016.08	3774637.64	33.04259
414361.21	3774308.59	77.74192	414586.99	3774306.89	146.99783
414586.99	3774347.63	96.64202	414636.22	3774347.63	110.04114
414629.43	3773930.02	134.20575	414359.51	3773930.02	639.01737
414406.37	3774308.25	83.07628	414451.52	3774307.91	92.60944

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA5 ***

INCLUDING SOURCE(S): AREA5 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414496.68	3774307.57	108.24808	414541.83	3774307.23	126.70723
414635.47	3774301.23	177.90796	414634.71	3774254.83	301.48974
414633.96	3774208.43	487.88159	414633.20	3774162.03	642.89139
414632.45	3774115.62	622.77559	414631.69	3774069.22	460.97617
414630.94	3774022.82	301.72849	414630.18	3773976.42	195.90673
414584.44	3773930.02	185.03850	414539.46	3773930.02	258.51432
414494.47	3773930.02	263.80854	414449.48	3773930.02	369.01856
414404.50	3773930.02	405.05919	414359.72	3773977.34	1114.19999
414359.94	3774024.66	2347.42326	414360.15	3774071.98	4031.07489
414360.36	3774119.31	1672.34645	414360.57	3774166.63	447.69150
414360.79	3774213.95	200.50792	414361.00	3774261.27	117.06102
414651.22	3774193.13	516.77142	414651.22	3774219.08	428.99146
414651.87	3774247.64	327.76310	414651.87	3774278.78	235.25619
414651.87	3774298.90	188.95745	414652.52	3774320.31	150.82486
414651.87	3774365.09	97.53247	414653.17	3774345.62	117.15489
414649.27	3774056.86	380.73527	414651.22	3774134.08	583.01870

414650.57	3774166.52	579.73152	414647.97	3774014.03	263.35425
414248.25	3774308.63	65.61691	414246.95	3774293.71	73.03305
414246.30	3774277.48	82.56258	414246.30	3774261.91	93.32735
414246.95	3774244.39	107.53919	414245.65	3774234.01	116.84293
414246.30	3774219.73	131.65660	414245.65	3774206.11	146.74780
414245.00	3774187.94	169.48683	414244.36	3774168.47	197.36740
414244.36	3774156.14	217.71798	414244.36	3774136.02	255.37275
414241.76	3774052.96	394.25655	414242.41	3774036.74	411.45443
414243.06	3774017.27	425.99858	414243.06	3773979.64	434.26000
414239.81	3773932.92	409.66011	414239.16	3773893.33	382.64085
414646.03	3773967.31	175.67936	414647.97	3773917.34	119.78288
414646.03	3773895.93	104.35694	414646.68	3773877.11	93.36173
414646.68	3773841.42	77.73623	414644.73	3773799.89	65.46835
414649.92	3774091.90	491.37837	414651.87	3774207.40	469.64184
414647.28	3773769.60	58.42554	414647.28	3773722.90	50.78523
414588.50	3773543.39	37.34654	414530.55	3773519.46	41.09858
414486.45	3773503.08	46.06794	414427.23	3773494.26	58.03981
414356.68	3773470.32	74.78029	414273.52	3773436.30	92.71595
414053.04	3773606.39	136.22584	414834.19	3774266.59	230.39007

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA6 ***

INCLUDING SOURCE(S): AREA6 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414016.08	3773637.64	119.02242	414066.08	3773637.64	141.97149
414116.08	3773637.64	202.31787	414166.08	3773637.64	230.15455
414216.08	3773637.64	241.82603	414266.08	3773637.64	227.33570
414316.08	3773637.64	187.29541	414366.08	3773637.64	161.18080
414416.08	3773637.64	141.46155	414466.08	3773637.64	126.59292
414516.08	3773637.64	99.45148	414566.08	3773637.64	58.98384
414616.08	3773637.64	44.61606	414666.08	3773637.64	41.67629
414716.08	3773637.64	37.77805	414766.08	3773637.64	34.89445
414816.08	3773637.64	33.38168	414866.08	3773637.64	32.27008
414916.08	3773637.64	31.30537	414966.08	3773637.64	30.35773
415016.08	3773637.64	29.46943	414016.08	3773687.64	119.05455
414066.08	3773687.64	144.29809	414116.08	3773687.64	226.57687
414166.08	3773687.64	224.74360	414216.08	3773687.64	234.19437
414266.08	3773687.64	230.15955	414316.08	3773687.64	217.14328
414366.08	3773687.64	195.45236	414416.08	3773687.64	173.29336
414466.08	3773687.64	152.81906	414516.08	3773687.64	117.27606
414566.08	3773687.64	70.61501	414616.08	3773687.64	51.38153
414666.08	3773687.64	46.59536	414716.08	3773687.64	43.51828
414766.08	3773687.64	40.38234	414816.08	3773687.64	39.17863
414866.08	3773687.64	37.76625	414916.08	3773687.64	36.43221
414966.08	3773687.64	35.28613	415016.08	3773687.64	33.95697

414016.08	3773737.64	118.74028	414066.08	3773737.64	143.82880
414116.08	3773737.64	249.18066	414166.08	3773737.64	255.50029
414216.08	3773737.64	261.95818	414266.08	3773737.64	278.42723
414316.08	3773737.64	274.01270	414366.08	3773737.64	253.27674
414416.08	3773737.64	217.88612	414466.08	3773737.64	188.73222
414516.08	3773737.64	140.64562	414566.08	3773737.64	86.25227
414616.08	3773737.64	59.58441	414666.08	3773737.64	54.28044
414716.08	3773737.64	51.14658	414766.08	3773737.64	48.37977
414816.08	3773737.64	46.65609	414866.08	3773737.64	45.19363
414916.08	3773737.64	43.60474	414966.08	3773737.64	41.97318
415016.08	3773737.64	40.32572	414016.08	3773787.64	118.97560
414066.08	3773787.64	143.96022	414116.08	3773787.64	242.67885
414166.08	3773787.64	328.84660	414216.08	3773787.64	353.73219
414266.08	3773787.64	386.11996	414316.08	3773787.64	386.57800
414366.08	3773787.64	352.57716	414416.08	3773787.64	306.73671
414466.08	3773787.64	240.27265	414516.08	3773787.64	173.01279
414566.08	3773787.64	110.58270	414616.08	3773787.64	71.27833
414666.08	3773787.64	65.92744	414716.08	3773787.64	62.51233
414766.08	3773787.64	59.67619	414816.08	3773787.64	60.16003

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA6 ***

INCLUDING SOURCE(S): AREA6 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414866.08	3773787.64	54.79008	414916.08	3773787.64	52.36604
414966.08	3773787.64	49.31384	415016.08	3773787.64	47.20422
414016.08	3773837.64	114.99465	414066.08	3773837.64	140.61413
414116.08	3773837.64	177.83092	414166.08	3773837.64	231.22586
414216.08	3773837.64	304.27910	414266.08	3773837.64	596.13837
414316.08	3773837.64	631.33439	414366.08	3773837.64	592.80664
414416.08	3773837.64	463.98144	414466.08	3773837.64	317.97842
414516.08	3773837.64	221.59126	414566.08	3773837.64	155.71367
414616.08	3773837.64	89.19104	414666.08	3773837.64	83.76353
414716.08	3773837.64	79.75287	414766.08	3773837.64	75.92659
414816.08	3773837.64	72.23670	414866.08	3773837.64	67.99266
414916.08	3773837.64	64.33380	414966.08	3773837.64	60.69750
415016.08	3773837.64	57.13040	414016.08	3773887.64	112.64139
414066.08	3773887.64	138.34904	414116.08	3773887.64	174.02343
414166.08	3773887.64	230.06717	414216.08	3773887.64	322.04243
414266.08	3773887.64	469.89598	414316.08	3773887.64	613.56402
414366.08	3773887.64	549.22360	414416.08	3773887.64	387.63316
414466.08	3773887.64	275.88220	414516.08	3773887.64	305.17289
414566.08	3773887.64	251.43459	414616.08	3773887.64	121.34555
414666.08	3773887.64	114.27043	414716.08	3773887.64	106.90671
414766.08	3773887.64	99.50676	414816.08	3773887.64	92.50869

414866.08	3773887.64	86.31699	414916.08	3773887.64	79.15454
414966.08	3773887.64	74.26769	415016.08	3773887.64	68.93845
414016.08	3773937.64	106.64981	414066.08	3773937.64	132.40265
414116.08	3773937.64	167.43266	414166.08	3773937.64	224.14402
414216.08	3773937.64	324.84882	414266.08	3773937.64	526.75020
414316.08	3773937.64	878.60954	414666.08	3773937.64	166.56513
414716.08	3773937.64	150.47651	414766.08	3773937.64	135.33256
414816.08	3773937.64	122.51292	414866.08	3773937.64	111.33224
414916.08	3773937.64	103.93914	414966.08	3773937.64	90.28986
415016.08	3773937.64	82.50755	414016.08	3773987.64	99.59333
414066.08	3773987.64	123.19333	414116.08	3773987.64	157.65874
414166.08	3773987.64	213.52090	414216.08	3773987.64	314.26061
414266.08	3773987.64	531.18265	414316.08	3773987.64	1102.58628
414666.08	3773987.64	254.75778	414716.08	3773987.64	215.07107
414766.08	3773987.64	183.28672	414816.08	3773987.64	159.37479
414866.08	3773987.64	139.34399	414916.08	3773987.64	123.13603
414966.08	3773987.64	110.57452	415016.08	3773987.64	98.39222
414016.08	3774037.64	90.27497	414066.08	3774037.64	108.89054
414116.08	3774037.64	138.61121	414166.08	3774037.64	186.91551

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA6 ***

INCLUDING SOURCE(S): AREA6 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414216.08	3774037.64	275.43964	414266.08	3774037.64	472.26213
414316.08	3774037.64	1043.79758	414666.08	3774037.64	376.19371
414716.08	3774037.64	298.87867	414766.08	3774037.64	242.02359
414816.08	3774037.64	203.46780	414866.08	3774037.64	172.45095
414916.08	3774037.64	150.00947	414966.08	3774037.64	130.30037
415016.08	3774037.64	114.57218	414016.08	3774087.64	78.82804
414066.08	3774087.64	94.89354	414116.08	3774087.64	117.61666
414166.08	3774087.64	154.05367	414216.08	3774087.64	215.47639
414266.08	3774087.64	337.34518	414316.08	3774087.64	614.03758
414666.08	3774087.64	497.75695	414716.08	3774087.64	379.07428
414766.08	3774087.64	304.90830	414816.08	3774087.64	246.04623
414866.08	3774087.64	208.39383	414916.08	3774087.64	176.95653
414966.08	3774087.64	154.11948	415016.08	3774087.64	134.29120
414016.08	3774137.64	66.63636	414066.08	3774137.64	78.61650
414116.08	3774137.64	95.35689	414166.08	3774137.64	118.44796
414216.08	3774137.64	154.26384	414266.08	3774137.64	213.03787
414316.08	3774137.64	289.50866	414666.08	3774137.64	514.04046
414716.08	3774137.64	408.11842	414766.08	3774137.64	331.26098
414816.08	3774137.64	276.91940	414866.08	3774137.64	233.16332
414916.08	3774137.64	197.43078	414966.08	3774137.64	169.72335
415016.08	3774137.64	148.36921	414016.08	3774187.64	56.56036

414066.08	3774187.64	64.34753	414116.08	3774187.64	76.53426
414166.08	3774187.64	90.92476	414216.08	3774187.64	110.32476
414266.08	3774187.64	132.97244	414316.08	3774187.64	151.85498
414666.08	3774187.64	393.28038	414716.08	3774187.64	350.95064
414766.08	3774187.64	308.07372	414816.08	3774187.64	266.24717
414866.08	3774187.64	232.43286	414916.08	3774187.64	202.28844
414966.08	3774187.64	177.22015	415016.08	3774187.64	158.38905
414016.08	3774237.64	47.57531	414066.08	3774237.64	54.07862
414116.08	3774237.64	62.22016	414166.08	3774237.64	70.01952
414216.08	3774237.64	77.94875	414266.08	3774237.64	85.06049
414316.08	3774237.64	92.39954	414666.08	3774237.64	244.31880
414716.08	3774237.64	245.60398	414766.08	3774237.64	237.91581
414816.08	3774237.64	222.25962	414866.08	3774237.64	207.26685
414916.08	3774237.64	186.89253	414966.08	3774237.64	170.43219
415016.08	3774237.64	156.31527	414016.08	3774287.64	40.74229
414066.08	3774287.64	45.26225	414116.08	3774287.64	49.38690
414166.08	3774287.64	53.14142	414216.08	3774287.64	55.59765
414266.08	3774287.64	58.09401	414316.08	3774287.64	62.92212
414666.08	3774287.64	144.30068	414716.08	3774287.64	156.86741

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA6 ***

INCLUDING SOURCE(S): AREA6 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414766.08	3774287.64	164.79505	414816.08	3774287.64	164.73757
414866.08	3774287.64	165.38362	414916.08	3774287.64	156.66092
414966.08	3774287.64	149.17200	415016.08	3774287.64	141.68809
414016.08	3774337.64	34.93454	414066.08	3774337.64	37.36497
414116.08	3774337.64	39.32808	414166.08	3774337.64	40.42840
414216.08	3774337.64	41.02733	414266.08	3774337.64	42.86059
414316.08	3774337.64	45.95105	414366.08	3774337.64	48.54108
414416.08	3774337.64	50.47047	414466.08	3774337.64	55.18548
414516.08	3774337.64	62.70625	414566.08	3774337.64	71.34719
414666.08	3774337.64	89.79269	414716.08	3774337.64	100.51920
414766.08	3774337.64	110.01455	414816.08	3774337.64	116.14821
414866.08	3774337.64	122.91077	414916.08	3774337.64	121.61019
414966.08	3774337.64	121.13372	415016.08	3774337.64	119.00814
414016.08	3774387.64	29.31405	414066.08	3774387.64	30.44305
414116.08	3774387.64	31.08592	414166.08	3774387.64	31.27745
414216.08	3774387.64	31.90432	414266.08	3774387.64	33.46410
414316.08	3774387.64	35.43326	414366.08	3774387.64	36.69626
414416.08	3774387.64	37.54572	414466.08	3774387.64	39.99515
414516.08	3774387.64	44.46020	414566.08	3774387.64	49.75228
414616.08	3774387.64	55.03209	414666.08	3774387.64	60.87758
414716.08	3774387.64	67.62098	414766.08	3774387.64	74.76503

414816.08	3774387.64	82.33705	414866.08	3774387.64	87.92708
414916.08	3774387.64	92.07107	414966.08	3774387.64	94.36248
415016.08	3774387.64	95.28380	414016.08	3774437.64	24.58757
414066.08	3774437.64	24.89449	414116.08	3774437.64	25.09608
414166.08	3774437.64	25.00910	414216.08	3774437.64	25.79399
414266.08	3774437.64	27.03560	414316.08	3774437.64	28.19451
414366.08	3774437.64	28.74731	414416.08	3774437.64	29.09630
414466.08	3774437.64	30.50138	414516.08	3774437.64	33.40369
414566.08	3774437.64	36.80475	414616.08	3774437.64	40.36744
414666.08	3774437.64	44.16119	414716.08	3774437.64	48.30062
414766.08	3774437.64	52.55479	414816.08	3774437.64	57.59100
414866.08	3774437.64	62.84248	414916.08	3774437.64	67.24042
414966.08	3774437.64	70.88389	415016.08	3774437.64	73.46661
414016.08	3774487.64	20.66575	414066.08	3774487.64	20.63454
414116.08	3774487.64	20.67622	414166.08	3774487.64	20.72143
414216.08	3774487.64	21.47845	414266.08	3774487.64	22.41965
414316.08	3774487.64	23.16631	414366.08	3774487.64	23.40164
414416.08	3774487.64	23.32191	414466.08	3774487.64	24.26142
414516.08	3774487.64	26.01994	414566.08	3774487.64	28.58180

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA6 ***

INCLUDING SOURCE(S): AREA6 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414616.08	3774487.64	31.05839	414666.08	3774487.64	33.47576
414716.08	3774487.64	35.75111	414766.08	3774487.64	39.56963
414816.08	3774487.64	42.54380	414866.08	3774487.64	46.48105
414916.08	3774487.64	50.30213	414966.08	3774487.64	53.58939
415016.08	3774487.64	56.41125	414016.08	3774537.64	17.43868
414066.08	3774537.64	17.31920	414116.08	3774537.64	17.40793
414166.08	3774537.64	17.70474	414216.08	3774537.64	18.45246
414266.08	3774537.64	18.93413	414316.08	3774537.64	19.38560
414366.08	3774537.64	19.37973	414416.08	3774537.64	19.40731
414466.08	3774537.64	19.76121	414516.08	3774537.64	20.95691
414566.08	3774537.64	22.78781	414616.08	3774537.64	24.66716
414666.08	3774537.64	26.53136	414716.08	3774537.64	28.24426
414766.08	3774537.64	30.73145	414816.08	3774537.64	32.48138
414866.08	3774537.64	35.43526	414916.08	3774537.64	38.25578
414966.08	3774537.64	41.14703	415016.08	3774537.64	43.70398
414016.08	3774587.64	14.76768	414066.08	3774587.64	14.71657
414116.08	3774587.64	14.99568	414166.08	3774587.64	15.36878
414216.08	3774587.64	16.02621	414266.08	3774587.64	16.32575
414316.08	3774587.64	16.52922	414366.08	3774587.64	16.47201
414416.08	3774587.64	16.34918	414466.08	3774587.64	16.55556
414516.08	3774587.64	17.40887	414566.08	3774587.64	18.70923

414616.08	3774587.64	20.16921	414666.08	3774587.64	21.66969
414716.08	3774587.64	23.03385	414766.08	3774587.64	24.69187
414816.08	3774587.64	26.07269	414866.08	3774587.64	27.89670
414916.08	3774587.64	29.87407	414966.08	3774587.64	32.11790
415016.08	3774587.64	34.30435	414016.08	3774637.64	12.74824
414066.08	3774637.64	12.64263	414116.08	3774637.64	12.91110
414166.08	3774637.64	13.37490	414216.08	3774637.64	13.94443
414266.08	3774637.64	14.14596	414316.08	3774637.64	14.26254
414366.08	3774637.64	14.10047	414416.08	3774637.64	13.99561
414466.08	3774637.64	13.95431	414516.08	3774637.64	14.64090
414566.08	3774637.64	15.64940	414616.08	3774637.64	16.85005
414666.08	3774637.64	18.06001	414716.08	3774637.64	19.14419
414766.08	3774637.64	20.20000	414816.08	3774637.64	21.30641
414866.08	3774637.64	22.53124	414916.08	3774637.64	23.88201
414966.08	3774637.64	25.55356	415016.08	3774637.64	27.21701
414361.21	3774308.59	58.40379	414586.99	3774306.89	98.53666
414586.99	3774347.63	69.22444	414636.22	3774347.63	77.65375
414629.43	3773930.02	168.20960	414359.51	3773930.02	939.41563
414406.37	3774308.25	61.22659	414451.52	3774307.91	66.53022

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA6 ***

INCLUDING SOURCE(S): AREA6 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414496.68	3774307.57	75.68208	414541.83	3774307.23	86.57742
414635.47	3774301.23	118.15488	414634.71	3774254.83	194.43653
414633.96	3774208.43	333.03167	414633.20	3774162.03	523.49270
414632.45	3774115.62	644.39745	414631.69	3774069.22	573.51985
414630.94	3774022.82	402.39955	414630.18	3773976.42	258.71450
414584.44	3773930.02	235.79828	414539.46	3773930.02	341.17905
414494.47	3773930.02	325.69163	414449.48	3773930.02	436.17682
414404.50	3773930.02	564.32489	414359.72	3773977.34	1873.84908
414359.94	3774024.66	3773.78450	414360.15	3774071.98	2447.88706
414360.36	3774119.31	598.42039	414360.57	3774166.63	234.42715
414360.79	3774213.95	127.95410	414361.00	3774261.27	82.63150
414651.22	3774193.13	384.73970	414651.22	3774219.08	296.69566
414651.87	3774247.64	217.59019	414651.87	3774278.78	155.02334
414651.87	3774298.90	126.00830	414652.52	3774320.31	102.74383
414651.87	3774365.09	70.10804	414653.17	3774345.62	82.21868
414649.27	3774056.86	475.60317	414651.22	3774134.08	559.84041
414650.57	3774166.52	478.87480	414647.97	3774014.03	342.77650
414248.25	3774308.63	50.01977	414246.95	3774293.71	55.01514
414246.30	3774277.48	61.42555	414246.30	3774261.91	68.71272
414246.95	3774244.39	78.47232	414245.65	3774234.01	85.09019
414246.30	3774219.73	95.57727	414245.65	3774206.11	106.66466

414245.00	3774187.94	123.62509	414244.36	3774168.47	144.49875
414244.36	3774156.14	159.52921	414244.36	3774136.02	187.45770
414241.76	3774052.96	333.65222	414242.41	3774036.74	361.29344
414243.06	3774017.27	387.69466	414243.06	3773979.64	413.32767
414239.81	3773932.92	404.49441	414239.16	3773893.33	388.79201
414646.03	3773967.31	226.56902	414647.97	3773917.34	146.71412
414646.03	3773895.93	124.98238	414646.68	3773877.11	109.55216
414646.68	3773841.42	88.08520	414644.73	3773799.89	71.69605
414649.92	3774091.90	561.30785	414651.87	3774207.40	334.98400
414647.28	3773769.60	63.04650	414647.28	3773722.90	53.70128
414588.50	3773543.39	38.47289	414530.55	3773519.46	42.14378
414486.45	3773503.08	47.19640	414427.23	3773494.26	59.85746
414356.68	3773470.32	78.35183	414273.52	3773436.30	98.10954
414053.04	3773606.39	133.81533	414834.19	3774266.59	187.38491

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA7 ***

INCLUDING SOURCE(S): AREA7 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414016.08	3773637.64	120.70424	414066.08	3773637.64	145.73538
414116.08	3773637.64	215.33789	414166.08	3773637.64	253.32964
414216.08	3773637.64	273.12918	414266.08	3773637.64	261.85866
414316.08	3773637.64	215.75921	414366.08	3773637.64	185.85695
414416.08	3773637.64	161.94957	414466.08	3773637.64	144.16625
414516.08	3773637.64	111.47435	414566.08	3773637.64	65.48877
414616.08	3773637.64	49.13114	414666.08	3773637.64	45.90799
414716.08	3773637.64	41.71338	414766.08	3773637.64	38.68894
414816.08	3773637.64	37.31098	414866.08	3773637.64	36.19367
414916.08	3773637.64	34.83626	414966.08	3773637.64	33.91760
415016.08	3773637.64	32.69399	414016.08	3773687.64	120.06193
414066.08	3773687.64	146.67288	414116.08	3773687.64	242.20966
414166.08	3773687.64	246.90220	414216.08	3773687.64	263.83528
414266.08	3773687.64	265.65486	414316.08	3773687.64	255.22324
414366.08	3773687.64	230.44864	414416.08	3773687.64	201.84934
414466.08	3773687.64	176.75239	414516.08	3773687.64	133.09881
414566.08	3773687.64	79.41419	414616.08	3773687.64	57.37010
414666.08	3773687.64	52.09960	414716.08	3773687.64	48.98297
414766.08	3773687.64	45.73435	414816.08	3773687.64	44.41118
414866.08	3773687.64	42.76193	414916.08	3773687.64	41.03937
414966.08	3773687.64	39.54058	415016.08	3773687.64	38.03185
414016.08	3773737.64	119.35823	414066.08	3773737.64	145.19397
414116.08	3773737.64	263.13134	414166.08	3773737.64	278.95910
414216.08	3773737.64	296.36848	414266.08	3773737.64	326.38030
414316.08	3773737.64	329.59800	414366.08	3773737.64	306.41718
414416.08	3773737.64	260.36715	414466.08	3773737.64	222.63146

414516.08	3773737.64	162.18226	414566.08	3773737.64	99.09963
414616.08	3773737.64	67.81037	414666.08	3773737.64	62.27336
414716.08	3773737.64	59.04360	414766.08	3773737.64	55.99785
414816.08	3773737.64	53.90429	414866.08	3773737.64	51.83103
414916.08	3773737.64	49.81337	414966.08	3773737.64	47.84341
415016.08	3773737.64	45.69191	414016.08	3773787.64	119.16006
414066.08	3773787.64	144.66103	414116.08	3773787.64	247.84223
414166.08	3773787.64	357.57040	414216.08	3773787.64	398.46671
414266.08	3773787.64	455.40116	414316.08	3773787.64	474.87661
414366.08	3773787.64	441.45467	414416.08	3773787.64	380.13264
414466.08	3773787.64	290.98805	414516.08	3773787.64	204.63081
414566.08	3773787.64	131.60848	414616.08	3773787.64	83.89710
414666.08	3773787.64	78.28499	414716.08	3773787.64	74.35702
414766.08	3773787.64	70.75819	414816.08	3773787.64	70.91765

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA7 ***

INCLUDING SOURCE(S): AREA7 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414866.08	3773787.64	64.01587	414916.08	3773787.64	60.75359
414966.08	3773787.64	56.93102	415016.08	3773787.64	54.10601
414016.08	3773837.64	114.19287	414066.08	3773837.64	140.34678
414116.08	3773837.64	178.13903	414166.08	3773837.64	234.40164
414216.08	3773837.64	319.79001	414266.08	3773837.64	699.70453
414316.08	3773837.64	814.88859	414366.08	3773837.64	799.24824
414416.08	3773837.64	614.96943	414466.08	3773837.64	399.62374
414516.08	3773837.64	274.29475	414566.08	3773837.64	197.10165
414616.08	3773837.64	110.53851	414666.08	3773837.64	103.95321
414716.08	3773837.64	98.10080	414766.08	3773837.64	92.42098
414816.08	3773837.64	86.93296	414866.08	3773837.64	80.78701
414916.08	3773837.64	75.73407	414966.08	3773837.64	70.35614
415016.08	3773837.64	65.64377	414016.08	3773887.64	110.52077
414066.08	3773887.64	136.16255	414116.08	3773887.64	172.42480
414166.08	3773887.64	229.70238	414216.08	3773887.64	328.26604
414266.08	3773887.64	514.99605	414316.08	3773887.64	793.42701
414366.08	3773887.64	824.19541	414416.08	3773887.64	524.77595
414466.08	3773887.64	357.26691	414516.08	3773887.64	416.09033
414566.08	3773887.64	349.90778	414616.08	3773887.64	161.13996
414666.08	3773887.64	148.82609	414716.08	3773887.64	136.08158
414766.08	3773887.64	123.84536	414816.08	3773887.64	112.78500
414866.08	3773887.64	103.19926	414916.08	3773887.64	93.19829
414966.08	3773887.64	86.19357	415016.08	3773887.64	78.89548
414016.08	3773937.64	102.90942	414066.08	3773937.64	127.77895
414116.08	3773937.64	162.19841	414166.08	3773937.64	218.45983
414216.08	3773937.64	320.55609	414266.08	3773937.64	539.85866

414316.08	3773937.64	1070.23458	414666.08	3773937.64	225.09048
414716.08	3773937.64	194.69434	414766.08	3773937.64	169.23221
414816.08	3773937.64	148.96707	414866.08	3773937.64	132.40988
414916.08	3773937.64	121.36519	414966.08	3773937.64	104.11086
415016.08	3773937.64	93.60066	414016.08	3773987.64	94.18159
414066.08	3773987.64	115.98032	414116.08	3773987.64	147.90234
414166.08	3773987.64	199.56661	414216.08	3773987.64	293.65118
414266.08	3773987.64	501.55540	414316.08	3773987.64	1108.51246
414666.08	3773987.64	342.32344	414716.08	3773987.64	274.51877
414766.08	3773987.64	225.69163	414816.08	3773987.64	191.11723
414866.08	3773987.64	163.58852	414916.08	3773987.64	142.20806
414966.08	3773987.64	126.37663	415016.08	3773987.64	110.97993
414016.08	3774037.64	83.45899	414066.08	3774037.64	99.56434
414116.08	3774037.64	124.88965	414166.08	3774037.64	164.86484

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA7 ***

INCLUDING SOURCE(S): AREA7 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414216.08	3774037.64	235.61759	414266.08	3774037.64	384.26004
414316.08	3774037.64	764.30089	414666.08	3774037.64	471.59693
414716.08	3774037.64	362.63083	414766.08	3774037.64	287.20009
414816.08	3774037.64	237.16615	414866.08	3774037.64	198.29886
414916.08	3774037.64	170.41014	414966.08	3774037.64	146.96667
415016.08	3774037.64	127.77932	414016.08	3774087.64	71.39488
414066.08	3774087.64	84.57512	414116.08	3774087.64	102.57449
414166.08	3774087.64	130.09321	414216.08	3774087.64	172.90619
414266.08	3774087.64	246.88208	414316.08	3774087.64	364.00320
414666.08	3774087.64	528.28296	414716.08	3774087.64	410.96475
414766.08	3774087.64	333.59547	414816.08	3774087.64	270.70289
414866.08	3774087.64	229.35106	414916.08	3774087.64	194.63748
414966.08	3774087.64	169.37533	415016.08	3774087.64	147.08828
414016.08	3774137.64	59.73250	414066.08	3774137.64	69.36345
414116.08	3774137.64	82.43718	414166.08	3774137.64	99.41260
414216.08	3774137.64	123.14851	414266.08	3774137.64	154.63252
414316.08	3774137.64	178.09989	414666.08	3774137.64	440.32624
414716.08	3774137.64	377.09084	414766.08	3774137.64	321.55666
414816.08	3774137.64	277.40660	414866.08	3774137.64	238.77308
414916.08	3774137.64	205.12600	414966.08	3774137.64	178.05586
415016.08	3774137.64	156.73289	414016.08	3774187.64	50.79466
414066.08	3774187.64	57.10440	414116.08	3774187.64	66.59711
414166.08	3774187.64	76.50004	414216.08	3774187.64	87.55736
414266.08	3774187.64	97.40719	414316.08	3774187.64	105.04098
414666.08	3774187.64	288.79070	414716.08	3774187.64	281.76748
414766.08	3774187.64	264.76609	414816.08	3774187.64	240.56801

414866.08	3774187.64	218.24612	414916.08	3774187.64	195.51802
414966.08	3774187.64	174.93476	415016.08	3774187.64	158.92778
414016.08	3774237.64	43.03100	414066.08	3774237.64	48.16575
414116.08	3774237.64	53.99238	414166.08	3774237.64	58.36842
414216.08	3774237.64	61.87565	414266.08	3774237.64	65.28309
414316.08	3774237.64	70.08322	414666.08	3774237.64	170.73796
414716.08	3774237.64	182.55451	414766.08	3774237.64	187.64304
414816.08	3774237.64	184.61346	414866.08	3774237.64	179.98344
414916.08	3774237.64	168.06368	414966.08	3774237.64	158.03496
415016.08	3774237.64	148.30825	414016.08	3774287.64	36.88597
414066.08	3774287.64	40.08871	414116.08	3774287.64	42.47784
414166.08	3774287.64	44.21984	414216.08	3774287.64	45.18684
414266.08	3774287.64	47.00586	414316.08	3774287.64	50.61572
414666.08	3774287.64	103.84773	414716.08	3774287.64	115.51890

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA7 ***

INCLUDING SOURCE(S): AREA7 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414766.08	3774287.64	125.69703	414816.08	3774287.64	130.44253
414866.08	3774287.64	136.22560	414916.08	3774287.64	133.31792
414966.08	3774287.64	130.90551	415016.08	3774287.64	127.68846
414016.08	3774337.64	31.34756	414066.08	3774337.64	32.83821
414116.08	3774337.64	33.75473	414166.08	3774337.64	34.07464
414216.08	3774337.64	34.44450	414266.08	3774337.64	36.13643
414316.08	3774337.64	38.39754	414366.08	3774337.64	40.00402
414416.08	3774337.64	41.10707	414466.08	3774337.64	44.16110
414516.08	3774337.64	49.33214	414566.08	3774337.64	55.48888
414666.08	3774337.64	68.25100	414716.08	3774337.64	76.38414
414766.08	3774337.64	84.57906	414816.08	3774337.64	91.04685
414866.08	3774337.64	98.82905	414916.08	3774337.64	100.23810
414966.08	3774337.64	102.49778	415016.08	3774337.64	103.16793
414016.08	3774387.64	26.19102	414066.08	3774387.64	26.68492
414116.08	3774387.64	26.86493	414166.08	3774387.64	26.91878
414216.08	3774387.64	27.60507	414266.08	3774387.64	28.99926
414316.08	3774387.64	30.42631	414366.08	3774387.64	31.18201
414416.08	3774387.64	31.64880	414466.08	3774387.64	33.29789
414516.08	3774387.64	36.50505	414566.08	3774387.64	40.47995
414616.08	3774387.64	44.42825	414666.08	3774387.64	48.66077
414716.08	3774387.64	53.57499	414766.08	3774387.64	59.02331
414816.08	3774387.64	65.36914	414866.08	3774387.64	70.64656
414916.08	3774387.64	75.13353	414966.08	3774387.64	78.49767
415016.08	3774387.64	80.71773	414016.08	3774437.64	21.93267
414066.08	3774437.64	21.93657	414116.08	3774437.64	22.01425
414166.08	3774437.64	22.01467	414216.08	3774437.64	22.81464

414266.08	3774437.64	23.88385	414316.08	3774437.64	24.69231
414366.08	3774437.64	24.99374	414416.08	3774437.64	25.14665
414466.08	3774437.64	26.13420	414516.08	3774437.64	28.31467
414566.08	3774437.64	30.91248	414616.08	3774437.64	33.77097
414666.08	3774437.64	36.69604	414716.08	3774437.64	39.74171
414766.08	3774437.64	42.89615	414816.08	3774437.64	46.87607
414866.08	3774437.64	51.24878	414916.08	3774437.64	55.26616
414966.08	3774437.64	58.78540	415016.08	3774437.64	61.72118
414016.08	3774487.64	18.43841	414066.08	3774487.64	18.32305
414116.08	3774487.64	18.38937	414166.08	3774487.64	18.60613
414216.08	3774487.64	19.32962	414266.08	3774487.64	20.08573
414316.08	3774487.64	20.61313	414366.08	3774487.64	20.71743
414416.08	3774487.64	20.53734	414466.08	3774487.64	21.22301
414516.08	3774487.64	22.56627	414566.08	3774487.64	24.62186

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA7 ***

INCLUDING SOURCE(S): AREA7 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414616.08	3774487.64	26.63160	414666.08	3774487.64	28.56833
414716.08	3774487.64	30.36166	414766.08	3774487.64	33.33675
414816.08	3774487.64	35.52829	414866.08	3774487.64	38.69330
414916.08	3774487.64	41.88746	414966.08	3774487.64	44.82298
415016.08	3774487.64	47.51041	414016.08	3774537.64	15.67004
414066.08	3774537.64	15.58583	414116.08	3774537.64	15.75687
414166.08	3774537.64	16.12324	414216.08	3774537.64	16.78952
414266.08	3774537.64	17.14578	414316.08	3774537.64	17.42705
414366.08	3774537.64	17.38682	414416.08	3774537.64	17.34370
414466.08	3774537.64	17.53509	414516.08	3774537.64	18.51118
414566.08	3774537.64	19.96683	414616.08	3774537.64	21.53607
414666.08	3774537.64	23.13557	414716.08	3774537.64	24.53664
414766.08	3774537.64	26.54267	414816.08	3774537.64	27.86809
414866.08	3774537.64	30.18312	414916.08	3774537.64	32.46413
414966.08	3774537.64	34.87648	415016.08	3774537.64	37.13443
414016.08	3774587.64	13.41128	414066.08	3774587.64	13.40125
414116.08	3774587.64	13.72168	414166.08	3774587.64	14.15874
414216.08	3774587.64	14.69791	414266.08	3774587.64	14.92433
414316.08	3774587.64	15.06934	414366.08	3774587.64	14.95405
414416.08	3774587.64	14.80983	414466.08	3774587.64	14.92875
414516.08	3774587.64	15.57723	414566.08	3774587.64	16.65072
414616.08	3774587.64	17.87502	414666.08	3774587.64	19.18701
414716.08	3774587.64	20.35777	414766.08	3774587.64	21.72907
414816.08	3774587.64	22.85019	414866.08	3774587.64	24.25684
414916.08	3774587.64	25.83857	414966.08	3774587.64	27.65875
415016.08	3774587.64	29.49646	414016.08	3774637.64	11.68995

414066.08	3774637.64	11.66622	414116.08	3774637.64	11.96114
414166.08	3774637.64	12.39955	414216.08	3774637.64	12.89253
414266.08	3774637.64	13.03997	414316.08	3774637.64	13.08703
414366.08	3774637.64	12.89620	414416.08	3774637.64	12.79047
414466.08	3774637.64	12.69739	414516.08	3774637.64	13.24457
414566.08	3774637.64	14.10696	414616.08	3774637.64	15.13217
414666.08	3774637.64	16.18429	414716.08	3774637.64	17.12946
414766.08	3774637.64	18.05852	414816.08	3774637.64	18.96162
414866.08	3774637.64	19.95610	414916.08	3774637.64	21.04120
414966.08	3774637.64	22.37780	415016.08	3774637.64	23.75267
414361.21	3774308.59	47.09413	414586.99	3774306.89	73.26894
414586.99	3774347.63	54.15554	414636.22	3774347.63	60.04500
414629.43	3773930.02	234.13162	414359.51	3773930.02	1545.47143
414406.37	3774308.25	48.71116	414451.52	3774307.91	51.98704

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA7 ***

INCLUDING SOURCE(S): AREA7 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414496.68	3774307.57	57.89259	414541.83	3774307.23	65.23208
414635.47	3774301.23	86.25873	414634.71	3774254.83	133.62741
414633.96	3774208.43	224.07369	414633.20	3774162.03	380.39229
414632.45	3774115.62	571.41166	414631.69	3774069.22	651.21879
414630.94	3774022.82	541.01250	414630.18	3773976.42	366.99745
414584.44	3773930.02	343.91350	414539.46	3773930.02	526.50681
414494.47	3773930.02	488.94879	414449.48	3773930.02	620.00487
414404.50	3773930.02	925.87361	414359.72	3773977.34	3208.82756
414359.94	3774024.66	3343.07158	414360.15	3774071.98	840.23748
414360.36	3774119.31	297.86228	414360.57	3774166.63	148.03915
414360.79	3774213.95	91.05587	414361.00	3774261.27	63.37133
414651.22	3774193.13	271.57696	414651.22	3774219.08	204.45633
414651.87	3774247.64	150.48255	414651.87	3774278.78	110.17869
414651.87	3774298.90	91.68768	414652.52	3774320.31	76.66969
414651.87	3774365.09	55.03356	414653.17	3774345.62	63.21414
414649.27	3774056.86	568.15979	414651.22	3774134.08	472.69488
414650.57	3774166.52	358.36056	414647.97	3774014.03	458.22980
414248.25	3774308.63	41.23481	414246.95	3774293.71	44.73513
414246.30	3774277.48	49.26128	414246.30	3774261.91	54.36938
414246.95	3774244.39	61.14185	414245.65	3774234.01	65.82206
414246.30	3774219.73	73.22213	414245.65	3774206.11	81.23836
414245.00	3774187.94	93.78500	414244.36	3774168.47	109.72191
414244.36	3774156.14	121.32067	414244.36	3774136.02	142.99196
414241.76	3774052.96	269.69073	414242.41	3774036.74	302.94962
414243.06	3774017.27	341.20804	414243.06	3773979.64	392.86936
414239.81	3773932.92	405.49040	414239.16	3773893.33	403.69404

414646.03	3773967.31	314.82913	414647.97	3773917.34	198.74991
414646.03	3773895.93	165.82834	414646.68	3773877.11	142.17557
414646.68	3773841.42	109.86596	414644.73	3773799.89	85.81892
414649.92	3774091.90	577.02120	414651.87	3774207.40	232.72506
414647.28	3773769.60	73.60416	414647.28	3773722.90	60.89268
414588.50	3773543.39	41.73397	414530.55	3773519.46	45.71218
414486.45	3773503.08	51.31906	414427.23	3773494.26	65.79201
414356.68	3773470.32	87.38469	414273.52	3773436.30	109.04743
414053.04	3773606.39	137.65181	414834.19	3774266.59	153.06439

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA8 ***

INCLUDING SOURCE(S): AREA8 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414016.08	3773637.64	163.62777	414066.08	3773637.64	193.95165
414116.08	3773637.64	223.60084	414166.08	3773637.64	246.41182
414216.08	3773637.64	267.95968	414266.08	3773637.64	267.53285
414316.08	3773637.64	225.02076	414366.08	3773637.64	198.53498
414416.08	3773637.64	166.12525	414466.08	3773637.64	145.98943
414516.08	3773637.64	114.39070	414566.08	3773637.64	97.80249
414616.08	3773637.64	75.38098	414666.08	3773637.64	68.78950
414716.08	3773637.64	62.49566	414766.08	3773637.64	57.90610
414816.08	3773637.64	54.96035	414866.08	3773637.64	52.36192
414916.08	3773637.64	49.93043	414966.08	3773637.64	47.77727
415016.08	3773637.64	45.56305	414016.08	3773687.64	170.26508
414066.08	3773687.64	207.34248	414116.08	3773687.64	234.74318
414166.08	3773687.64	238.06934	414216.08	3773687.64	268.60406
414266.08	3773687.64	286.77970	414316.08	3773687.64	284.69207
414366.08	3773687.64	256.60018	414416.08	3773687.64	211.89060
414466.08	3773687.64	178.46919	414516.08	3773687.64	135.59938
414566.08	3773687.64	116.95608	414616.08	3773687.64	91.72104
414666.08	3773687.64	82.67333	414716.08	3773687.64	76.84982
414766.08	3773687.64	71.05625	414816.08	3773687.64	67.51287
414866.08	3773687.64	63.75953	414916.08	3773687.64	60.37049
414966.08	3773687.64	57.19708	415016.08	3773687.64	54.11563
414016.08	3773737.64	170.33104	414066.08	3773737.64	214.48484
414116.08	3773737.64	254.55429	414166.08	3773737.64	269.28849
414216.08	3773737.64	317.67709	414266.08	3773737.64	364.32417
414316.08	3773737.64	380.32849	414366.08	3773737.64	350.68432
414416.08	3773737.64	282.10078	414466.08	3773737.64	225.15067
414516.08	3773737.64	167.46319	414566.08	3773737.64	145.19411
414616.08	3773737.64	115.70592	414666.08	3773737.64	105.02349
414716.08	3773737.64	97.55489	414766.08	3773737.64	90.49120
414816.08	3773737.64	84.86661	414866.08	3773737.64	79.67632
414916.08	3773737.64	74.74636	414966.08	3773737.64	70.01996

415016.08	3773737.64	65.48365	414016.08	3773787.64	169.09878
414066.08	3773787.64	215.99552	414116.08	3773787.64	284.07327
414166.08	3773787.64	325.39738	414216.08	3773787.64	389.55128
414266.08	3773787.64	479.94817	414316.08	3773787.64	537.64547
414366.08	3773787.64	513.27992	414416.08	3773787.64	407.62629
414466.08	3773787.64	296.74241	414516.08	3773787.64	215.78030
414566.08	3773787.64	190.83884	414616.08	3773787.64	155.59566
414666.08	3773787.64	141.34165	414716.08	3773787.64	129.80529
414766.08	3773787.64	119.25470	414816.08	3773787.64	114.18076

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA8 ***

INCLUDING SOURCE(S): AREA8 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414866.08	3773787.64	100.87912	414916.08	3773787.64	92.66534
414966.08	3773787.64	84.94857	415016.08	3773787.64	78.51750
414016.08	3773837.64	162.35708	414066.08	3773837.64	209.79877
414116.08	3773837.64	282.05392	414166.08	3773837.64	394.06250
414216.08	3773837.64	567.49560	414266.08	3773837.64	745.82027
414316.08	3773837.64	833.85004	414366.08	3773837.64	896.10224
414416.08	3773837.64	658.33266	414466.08	3773837.64	417.20850
414516.08	3773837.64	303.88720	414566.08	3773837.64	273.57909
414616.08	3773837.64	225.68034	414666.08	3773837.64	201.64927
414716.08	3773837.64	180.48583	414766.08	3773837.64	161.55080
414816.08	3773837.64	144.75107	414866.08	3773837.64	129.37855
414916.08	3773837.64	116.63316	414966.08	3773837.64	105.23791
415016.08	3773837.64	95.52288	414016.08	3773887.64	153.91238
414066.08	3773887.64	199.30998	414116.08	3773887.64	268.63282
414166.08	3773887.64	382.98539	414216.08	3773887.64	586.11583
414266.08	3773887.64	975.66729	414316.08	3773887.64	1622.18376
414366.08	3773887.64	2043.28134	414416.08	3773887.64	1528.51034
414466.08	3773887.64	789.58123	414516.08	3773887.64	516.04565
414566.08	3773887.64	451.69953	414616.08	3773887.64	360.80085
414666.08	3773887.64	305.75329	414716.08	3773887.64	259.16097
414766.08	3773887.64	221.11828	414816.08	3773887.64	190.73243
414866.08	3773887.64	166.36482	414916.08	3773887.64	145.39448
414966.08	3773887.64	129.33767	415016.08	3773887.64	115.42229
414016.08	3773937.64	141.53836	414066.08	3773937.64	182.87554
414116.08	3773937.64	245.27930	414166.08	3773937.64	349.51663
414216.08	3773937.64	544.36616	414266.08	3773937.64	986.31505
414316.08	3773937.64	2139.92351	414666.08	3773937.64	466.65123
414716.08	3773937.64	369.95447	414766.08	3773937.64	300.52850
414816.08	3773937.64	249.97209	414866.08	3773937.64	211.73845
414916.08	3773937.64	183.59803	414966.08	3773937.64	157.02941
415016.08	3773937.64	137.86141	414016.08	3773987.64	126.51047

414066.08	3773987.64	161.35455	414116.08	3773987.64	214.00725
414166.08	3773987.64	300.26348	414216.08	3773987.64	457.39510
414266.08	3773987.64	798.31834	414316.08	3773987.64	1619.80370
414666.08	3773987.64	651.83347	414716.08	3773987.64	490.53376
414766.08	3773987.64	384.31689	414816.08	3773987.64	311.01599
414866.08	3773987.64	257.33000	414916.08	3773987.64	217.15131
414966.08	3773987.64	186.35123	415016.08	3773987.64	161.37999
414016.08	3774037.64	109.69450	414066.08	3774037.64	135.99936
414116.08	3774037.64	175.06257	414166.08	3774037.64	235.53381

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA8 ***

INCLUDING SOURCE(S): AREA8 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414216.08	3774037.64	336.55978	414266.08	3774037.64	528.36663
414316.08	3774037.64	790.53945	414666.08	3774037.64	754.29854
414716.08	3774037.64	567.52753	414766.08	3774037.64	443.87416
414816.08	3774037.64	357.27739	414866.08	3774037.64	294.31687
414916.08	3774037.64	246.98912	414966.08	3774037.64	210.61795
415016.08	3774037.64	181.82114	414016.08	3774087.64	92.58665
414066.08	3774087.64	112.31335	414116.08	3774087.64	139.02536
414166.08	3774087.64	177.47642	414216.08	3774087.64	232.31691
414266.08	3774087.64	312.14962	414316.08	3774087.64	363.94632
414666.08	3774087.64	698.89288	414716.08	3774087.64	556.21255
414766.08	3774087.64	449.10518	414816.08	3774087.64	370.68674
414866.08	3774087.64	309.27724	414916.08	3774087.64	262.52817
414966.08	3774087.64	225.01254	415016.08	3774087.64	195.41972
414016.08	3774137.64	76.87060	414066.08	3774137.64	90.53594
414116.08	3774137.64	108.12126	414166.08	3774137.64	129.82778
414216.08	3774137.64	156.61011	414266.08	3774137.64	187.92686
414316.08	3774137.64	194.08251	414666.08	3774137.64	528.86061
414716.08	3774137.64	462.40658	414766.08	3774137.64	399.30129
414816.08	3774137.64	343.74664	414866.08	3774137.64	297.04726
414916.08	3774137.64	258.57212	414966.08	3774137.64	226.17271
415016.08	3774137.64	198.93968	414016.08	3774187.64	63.84580
414066.08	3774187.64	72.69642	414116.08	3774187.64	83.82587
414166.08	3774187.64	95.54135	414216.08	3774187.64	108.11386
414266.08	3774187.64	120.22819	414316.08	3774187.64	127.36026
414666.08	3774187.64	349.34919	414716.08	3774187.64	338.67747
414766.08	3774187.64	316.21187	414816.08	3774187.64	288.80870
414866.08	3774187.64	261.44346	414916.08	3774187.64	235.58419
414966.08	3774187.64	211.95902	415016.08	3774187.64	190.42882
414016.08	3774237.64	52.83796	414066.08	3774237.64	58.81313
414116.08	3774237.64	65.38177	414166.08	3774237.64	71.38886
414216.08	3774237.64	76.97360	414266.08	3774237.64	82.54231

414316.08	3774237.64	87.13245	414666.08	3774237.64	214.68777
414716.08	3774237.64	226.46926	414766.08	3774237.64	229.03307
414816.08	3774237.64	222.77661	414866.08	3774237.64	213.03009
414916.08	3774237.64	199.78423	414966.08	3774237.64	186.07017
415016.08	3774237.64	172.18387	414016.08	3774287.64	43.88547
414066.08	3774287.64	47.62813	414116.08	3774287.64	51.06211
414166.08	3774287.64	54.25333	414216.08	3774287.64	57.06011
414266.08	3774287.64	59.81768	414316.08	3774287.64	62.88583
414666.08	3774287.64	133.63974	414716.08	3774287.64	147.54215

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA8 ***

INCLUDING SOURCE(S): AREA8 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414766.08	3774287.64	158.01055	414816.08	3774287.64	161.51996
414866.08	3774287.64	164.02886	414916.08	3774287.64	159.77126
414966.08	3774287.64	154.61556	415016.08	3774287.64	147.84755
414016.08	3774337.64	36.54553	414066.08	3774337.64	38.74423
414116.08	3774337.64	40.65383	414166.08	3774337.64	42.32842
414216.08	3774337.64	43.78894	414266.08	3774337.64	45.64352
414316.08	3774337.64	47.42035	414366.08	3774337.64	49.30621
414416.08	3774337.64	51.74497	414466.08	3774337.64	55.92005
414516.08	3774337.64	61.90779	414566.08	3774337.64	69.85662
414666.08	3774337.64	88.09018	414716.08	3774337.64	98.79605
414766.08	3774337.64	108.47627	414816.08	3774337.64	115.12697
414866.08	3774337.64	122.02637	414916.08	3774337.64	122.53897
414966.08	3774337.64	122.95397	415016.08	3774337.64	121.49469
414016.08	3774387.64	30.47723	414066.08	3774387.64	31.68824
414116.08	3774387.64	32.76971	414166.08	3774387.64	33.73993
414216.08	3774387.64	34.87823	414266.08	3774387.64	36.09931
414316.08	3774387.64	37.29037	414366.08	3774387.64	38.43832
414416.08	3774387.64	39.87949	414466.08	3774387.64	42.27413
414516.08	3774387.64	45.95582	414566.08	3774387.64	50.76750
414616.08	3774387.64	56.19772	414666.08	3774387.64	62.36213
414716.08	3774387.64	69.25189	414766.08	3774387.64	76.24872
414816.08	3774387.64	83.51406	414866.08	3774387.64	89.04945
414916.08	3774387.64	93.18202	414966.08	3774387.64	95.77989
415016.08	3774387.64	96.92553	414016.08	3774437.64	25.60619
414066.08	3774437.64	26.29754	414116.08	3774437.64	27.00162
414166.08	3774437.64	27.62063	414216.08	3774437.64	28.49124
414266.08	3774437.64	29.34131	414316.08	3774437.64	30.09459
414366.08	3774437.64	30.75880	414416.08	3774437.64	31.62199
414466.08	3774437.64	33.13739	414516.08	3774437.64	35.62849
414566.08	3774437.64	38.66019	414616.08	3774437.64	42.29193
414666.08	3774437.64	46.41677	414716.08	3774437.64	50.85169

414766.08	3774437.64	55.14452	414816.08	3774437.64	60.12707
414866.08	3774437.64	65.15349	414916.08	3774437.64	69.40531
414966.08	3774437.64	73.04008	415016.08	3774437.64	75.44033
414016.08	3774487.64	21.69915	414066.08	3774487.64	22.13770
414116.08	3774487.64	22.65300	414166.08	3774487.64	23.08986
414216.08	3774487.64	23.77364	414266.08	3774487.64	24.37970
414316.08	3774487.64	24.92026	414366.08	3774487.64	25.35883
414416.08	3774487.64	25.76864	414466.08	3774487.64	26.81668
414516.08	3774487.64	28.35241	414566.08	3774487.64	30.63606

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA8 ***

INCLUDING SOURCE(S): AREA8 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414616.08	3774487.64	33.09187	414666.08	3774487.64	35.71933
414716.08	3774487.64	38.38945	414766.08	3774487.64	42.38182
414816.08	3774487.64	45.38566	414866.08	3774487.64	49.14940
414916.08	3774487.64	52.68759	414966.08	3774487.64	56.08302
415016.08	3774487.64	58.78085	414016.08	3774537.64	18.60359
414066.08	3774537.64	18.89578	414116.08	3774537.64	19.30511
414166.08	3774537.64	19.73810	414216.08	3774537.64	20.26540
414266.08	3774537.64	20.62981	414316.08	3774537.64	20.99844
414366.08	3774537.64	21.21020	414416.08	3774537.64	21.58913
414466.08	3774537.64	22.12528	414516.08	3774537.64	23.21686
414566.08	3774537.64	24.80645	414616.08	3774537.64	26.63925
414666.08	3774537.64	28.62890	414716.08	3774537.64	30.57883
414766.08	3774537.64	33.31162	414816.08	3774537.64	35.17802
414866.08	3774537.64	38.19638	414916.08	3774537.64	40.84896
414966.08	3774537.64	43.68653	415016.08	3774537.64	46.07989
414016.08	3774587.64	16.06745	414066.08	3774587.64	16.30795
414116.08	3774587.64	16.67252	414166.08	3774587.64	17.04991
414216.08	3774587.64	17.48792	414266.08	3774587.64	17.76118
414316.08	3774587.64	17.96717	414366.08	3774587.64	18.13679
414416.08	3774587.64	18.33637	414466.08	3774587.64	18.71536
414516.08	3774587.64	19.47337	414566.08	3774587.64	20.58817
414616.08	3774587.64	22.01844	414666.08	3774587.64	23.54421
414716.08	3774587.64	25.15039	414766.08	3774587.64	26.91478
414816.08	3774587.64	28.54029	414866.08	3774587.64	30.44873
414916.08	3774587.64	32.39906	414966.08	3774587.64	34.55611
415016.08	3774587.64	36.64202	414016.08	3774637.64	14.08772
414066.08	3774637.64	14.15931	414116.08	3774637.64	14.55424
414166.08	3774637.64	14.90902	414216.08	3774637.64	15.27819
414266.08	3774637.64	15.47939	414316.08	3774637.64	15.54269
414366.08	3774637.64	15.64760	414416.08	3774637.64	15.72581
414466.08	3774637.64	15.89804	414516.08	3774637.64	16.52075

414566.08	3774637.64	17.37344	414616.08	3774637.64	18.49250
414666.08	3774637.64	19.71173	414716.08	3774637.64	20.93484
414766.08	3774637.64	22.16925	414816.08	3774637.64	23.41700
414866.08	3774637.64	24.80951	414916.08	3774637.64	26.22119
414966.08	3774637.64	27.87398	415016.08	3774637.64	29.43814
414361.21	3774308.59	57.93104	414586.99	3774306.89	93.14666
414586.99	3774347.63	68.46163	414636.22	3774347.63	77.03889
414629.43	3773930.02	526.74883	414359.51	3773930.02	3966.29290
414406.37	3774308.25	60.93763	414451.52	3774307.91	65.61662

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA8 ***

INCLUDING SOURCE(S): AREA8 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414496.68	3774307.57	72.53165	414541.83	3774307.23	81.72491
414635.47	3774301.23	111.26814	414634.71	3774254.83	170.70446
414633.96	3774208.43	277.02388	414633.20	3774162.03	450.90724
414632.45	3774115.62	685.40862	414631.69	3774069.22	894.07670
414630.94	3774022.82	935.86941	414630.18	3773976.42	771.11551
414584.44	3773930.02	750.76162	414539.46	3773930.02	921.88955
414494.47	3773930.02	1325.51893	414449.48	3773930.02	1826.84678
414404.50	3773930.02	3365.59377	414359.72	3773977.34	6642.23518
414359.94	3774024.66	3296.63609	414360.15	3774071.98	787.73368
414360.36	3774119.31	324.89814	414360.57	3774166.63	167.73251
414360.79	3774213.95	107.62753	414361.00	3774261.27	77.23919
414651.22	3774193.13	330.25127	414651.22	3774219.08	254.43194
414651.87	3774247.64	191.32956	414651.87	3774278.78	142.02035
414651.87	3774298.90	118.54335	414652.52	3774320.31	99.15441
414651.87	3774365.09	70.63660	414653.17	3774345.62	81.50600
414649.27	3774056.86	830.23531	414651.22	3774134.08	564.05467
414650.57	3774166.52	427.26701	414647.97	3774014.03	814.32531
414248.25	3774308.63	52.46896	414246.95	3774293.71	56.94579
414246.30	3774277.48	62.58033	414246.30	3774261.91	68.85608
414246.95	3774244.39	77.07501	414245.65	3774234.01	82.59635
414246.30	3774219.73	91.34884	414245.65	3774206.11	100.73548
414245.00	3774187.94	115.52764	414244.36	3774168.47	134.73951
414244.36	3774156.14	149.23250	414244.36	3774136.02	177.48584
414241.76	3774052.96	371.91128	414242.41	3774036.74	429.10674
414243.06	3774017.27	502.71233	414243.06	3773979.64	633.82009
414239.81	3773932.92	718.10303	414239.16	3773893.33	741.16591
414646.03	3773967.31	653.71591	414647.97	3773917.34	428.72655
414646.03	3773895.93	354.78364	414646.68	3773877.11	297.95190
414646.68	3773841.42	218.67028	414644.73	3773799.89	159.93015
414649.92	3774091.90	740.53788	414651.87	3774207.40	286.55084
414647.28	3773769.60	130.62902	414647.28	3773722.90	101.07960

414588.50	3773543.39	62.09675	414530.55	3773519.46	72.52557
414486.45	3773503.08	84.93339	414427.23	3773494.26	113.63600
414356.68	3773470.32	131.96242	414273.52	3773436.30	138.93965
414053.04	3773606.39	177.60788	414834.19	3774266.59	185.88059

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA9 ***

INCLUDING SOURCE(S): AREA9 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414016.08	3773637.64	83.71952	414066.08	3773637.64	93.03971
414116.08	3773637.64	100.48706	414166.08	3773637.64	107.02374
414216.08	3773637.64	114.39587	414266.08	3773637.64	117.59524
414316.08	3773637.64	106.46358	414366.08	3773637.64	105.02814
414416.08	3773637.64	103.92691	414466.08	3773637.64	108.77254
414516.08	3773637.64	99.49184	414566.08	3773637.64	93.39695
414616.08	3773637.64	80.05419	414666.08	3773637.64	67.07815
414716.08	3773637.64	56.03151	414766.08	3773637.64	47.43601
414816.08	3773637.64	41.07488	414866.08	3773637.64	36.54535
414916.08	3773637.64	33.25982	414966.08	3773637.64	30.89556
415016.08	3773637.64	29.10321	414016.08	3773687.64	86.71489
414066.08	3773687.64	97.50767	414116.08	3773687.64	103.00026
414166.08	3773687.64	100.27773	414216.08	3773687.64	107.27055
414266.08	3773687.64	112.68686	414316.08	3773687.64	116.94765
414366.08	3773687.64	119.18391	414416.08	3773687.64	120.11902
414466.08	3773687.64	125.87473	414516.08	3773687.64	114.73128
414566.08	3773687.64	108.16195	414616.08	3773687.64	92.28172
414666.08	3773687.64	76.22621	414716.08	3773687.64	62.94705
414766.08	3773687.64	52.82483	414816.08	3773687.64	45.60104
414866.08	3773687.64	40.59225	414916.08	3773687.64	37.04639
414966.08	3773687.64	34.48600	415016.08	3773687.64	31.42393
414016.08	3773737.64	89.22458	414066.08	3773737.64	101.50302
414116.08	3773737.64	108.66778	414166.08	3773737.64	106.78680
414216.08	3773737.64	113.70940	414266.08	3773737.64	124.13172
414316.08	3773737.64	132.31315	414366.08	3773737.64	138.31767
414416.08	3773737.64	140.35032	414466.08	3773737.64	147.79753
414516.08	3773737.64	135.63403	414566.08	3773737.64	126.72499
414616.08	3773737.64	107.77612	414666.08	3773737.64	87.56134
414716.08	3773737.64	71.25181	414766.08	3773737.64	59.31614
414816.08	3773737.64	51.10102	414866.08	3773737.64	45.60676
414916.08	3773737.64	41.82784	414966.08	3773737.64	39.13868
415016.08	3773737.64	37.13249	414016.08	3773787.64	91.05765
414066.08	3773787.64	104.80663	414116.08	3773787.64	118.16131
414166.08	3773787.64	123.90765	414216.08	3773787.64	129.90149
414266.08	3773787.64	143.31515	414316.08	3773787.64	154.86332
414366.08	3773787.64	163.55733	414416.08	3773787.64	170.94629

414466.08	3773787.64	176.48287	414516.08	3773787.64	162.58468
414566.08	3773787.64	149.72503	414616.08	3773787.64	127.77895
414666.08	3773787.64	101.79509	414716.08	3773787.64	81.53127
414766.08	3773787.64	67.32229	414816.08	3773787.64	58.11575

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA9 ***

INCLUDING SOURCE(S): AREA9 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414866.08	3773787.64	52.04800	414916.08	3773787.64	48.02916
414966.08	3773787.64	43.08150	415016.08	3773787.64	40.89364
414016.08	3773837.64	92.12535	414066.08	3773837.64	107.15770
414116.08	3773837.64	125.33132	414166.08	3773837.64	146.67719
414216.08	3773837.64	170.83598	414266.08	3773837.64	186.67799
414316.08	3773837.64	193.27975	414366.08	3773837.64	216.92460
414416.08	3773837.64	216.42545	414466.08	3773837.64	214.40365
414516.08	3773837.64	198.38064	414566.08	3773837.64	176.88109
414616.08	3773837.64	154.20711	414666.08	3773837.64	120.07870
414716.08	3773837.64	94.44283	414766.08	3773837.64	77.51165
414816.08	3773837.64	67.14221	414866.08	3773837.64	60.63878
414916.08	3773837.64	56.35846	414966.08	3773837.64	50.91633
415016.08	3773837.64	48.17942	414016.08	3773887.64	92.29581
414066.08	3773887.64	108.41504	414116.08	3773887.64	128.41872
414166.08	3773887.64	153.04513	414216.08	3773887.64	182.62445
414266.08	3773887.64	216.56489	414316.08	3773887.64	252.50520
414366.08	3773887.64	285.49378	414416.08	3773887.64	303.33091
414466.08	3773887.64	298.34533	414516.08	3773887.64	248.94446
414566.08	3773887.64	215.69090	414616.08	3773887.64	190.56015
414666.08	3773887.64	144.08415	414716.08	3773887.64	111.22974
414766.08	3773887.64	91.11015	414816.08	3773887.64	79.55704
414866.08	3773887.64	72.63879	414916.08	3773887.64	64.15104
414966.08	3773887.64	60.93849	415016.08	3773887.64	57.63346
414016.08	3773937.64	91.38678	414066.08	3773937.64	108.23554
414116.08	3773937.64	129.75835	414166.08	3773937.64	157.16855
414216.08	3773937.64	191.98398	414266.08	3773937.64	235.23428
414316.08	3773937.64	285.44240	414666.08	3773937.64	176.69125
414716.08	3773937.64	133.84000	414766.08	3773937.64	110.50804
414816.08	3773937.64	97.94357	414866.08	3773937.64	90.25537
414916.08	3773937.64	84.76536	414966.08	3773937.64	74.85192
415016.08	3773937.64	70.35114	414016.08	3773987.64	89.58059
414066.08	3773987.64	106.61072	414116.08	3773987.64	128.90504
414166.08	3773987.64	158.37910	414216.08	3773987.64	197.76640
414266.08	3773987.64	249.79474	414316.08	3773987.64	318.30952
414666.08	3773987.64	223.18356	414716.08	3773987.64	167.47832
414766.08	3773987.64	140.80267	414816.08	3773987.64	126.78513

414866.08	3773987.64	110.88831	414916.08	3773987.64	102.75713
414966.08	3773987.64	96.40878	415016.08	3773987.64	88.91638
414016.08	3774037.64	86.73458	414066.08	3774037.64	103.47967
414116.08	3774037.64	125.66660	414166.08	3774037.64	155.89678

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA9 ***
INCLUDING SOURCE(S): AREA9 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414216.08	3774037.64	197.99597	414266.08	3774037.64	257.29590
414316.08	3774037.64	327.71188	414666.08	3774037.64	294.01090
414716.08	3774037.64	223.49740	414766.08	3774037.64	182.00788
414816.08	3774037.64	165.32365	414866.08	3774037.64	149.89793
414916.08	3774037.64	137.51238	414966.08	3774037.64	124.65930
415016.08	3774037.64	112.99792	414016.08	3774087.64	82.94873
414066.08	3774087.64	99.03537	414116.08	3774087.64	120.46757
414166.08	3774087.64	150.02171	414216.08	3774087.64	192.13583
414266.08	3774087.64	254.77884	414316.08	3774087.64	322.52606
414666.08	3774087.64	384.09306	414716.08	3774087.64	311.41194
414766.08	3774087.64	294.62542	414816.08	3774087.64	240.82039
414866.08	3774087.64	215.28844	414916.08	3774087.64	188.96654
414966.08	3774087.64	168.11291	415016.08	3774087.64	148.39023
414016.08	3774137.64	78.31325	414066.08	3774137.64	93.24995
414116.08	3774137.64	113.21784	414166.08	3774137.64	140.80338
414216.08	3774137.64	180.48438	414266.08	3774137.64	240.73124
414316.08	3774137.64	306.30478	414666.08	3774137.64	674.39688
414716.08	3774137.64	553.66648	414766.08	3774137.64	457.24304
414816.08	3774137.64	380.88461	414866.08	3774137.64	315.02738
414916.08	3774137.64	261.69242	414966.08	3774137.64	221.23151
415016.08	3774137.64	190.16559	414016.08	3774187.64	72.97400
414066.08	3774187.64	85.18750	414116.08	3774187.64	104.41323
414166.08	3774187.64	126.89644	414216.08	3774187.64	161.03678
414266.08	3774187.64	212.43906	414316.08	3774187.64	289.91068
414666.08	3774187.64	1718.41277	414716.08	3774187.64	1145.82630
414766.08	3774187.64	797.67457	414816.08	3774187.64	581.39537
414866.08	3774187.64	446.66890	414916.08	3774187.64	353.68725
414966.08	3774187.64	288.10912	415016.08	3774187.64	241.08536
414016.08	3774237.64	66.14011	414066.08	3774237.64	77.72211
414116.08	3774237.64	93.14481	414166.08	3774237.64	113.26739
414216.08	3774237.64	141.70861	414266.08	3774237.64	184.22169
414316.08	3774237.64	249.76332	414666.08	3774237.64	3840.28340
414716.08	3774237.64	1902.72702	414766.08	3774237.64	1159.10684
414816.08	3774237.64	789.86678	414866.08	3774237.64	577.83356
414916.08	3774237.64	444.45239	414966.08	3774237.64	353.70323
415016.08	3774237.64	289.23426	414016.08	3774287.64	59.71265

414066.08	3774287.64	69.52651	414116.08	3774287.64	81.91890
414166.08	3774287.64	98.44293	414216.08	3774287.64	120.67050
414266.08	3774287.64	152.45433	414316.08	3774287.64	200.33557
414666.08	3774287.64	2972.58493	414716.08	3774287.64	1851.55584

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA9 ***

INCLUDING SOURCE(S): AREA9 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414766.08	3774287.64	1222.28549	414816.08	3774287.64	864.26910
414866.08	3774287.64	636.77695	414916.08	3774287.64	496.07339
414966.08	3774287.64	395.33372	415016.08	3774287.64	322.27701
414016.08	3774337.64	53.32856	414066.08	3774337.64	61.21007
414116.08	3774337.64	71.12475	414166.08	3774337.64	83.72864
414216.08	3774337.64	100.07407	414266.08	3774337.64	122.35234
414316.08	3774337.64	152.80212	414366.08	3774337.64	195.51917
414416.08	3774337.64	255.64500	414466.08	3774337.64	338.34488
414516.08	3774337.64	433.80917	414566.08	3774337.64	546.24660
414666.08	3774337.64	1127.79789	414716.08	3774337.64	1099.93092
414766.08	3774337.64	919.35135	414816.08	3774337.64	738.38745
414866.08	3774337.64	588.43949	414916.08	3774337.64	481.45369
414966.08	3774337.64	395.79538	415016.08	3774337.64	329.84139
414016.08	3774387.64	47.00348	414066.08	3774387.64	53.23053
414116.08	3774387.64	60.86394	414166.08	3774387.64	70.22689
414216.08	3774387.64	81.99771	414266.08	3774387.64	96.62732
414316.08	3774387.64	114.88545	414366.08	3774387.64	137.28126
414416.08	3774387.64	163.49438	414466.08	3774387.64	191.16553
414516.08	3774387.64	217.16645	414566.08	3774387.64	249.01019
414616.08	3774387.64	314.22049	414666.08	3774387.64	429.53335
414716.08	3774387.64	527.54003	414766.08	3774387.64	550.29293
414816.08	3774387.64	520.28526	414866.08	3774387.64	464.65865
414916.08	3774387.64	406.53840	414966.08	3774387.64	353.52778
415016.08	3774387.64	307.31138	414016.08	3774437.64	41.33789
414066.08	3774437.64	46.17676	414116.08	3774437.64	52.06578
414166.08	3774437.64	58.68085	414216.08	3774437.64	66.77369
414266.08	3774437.64	76.03081	414316.08	3774437.64	86.35892
414366.08	3774437.64	97.55030	414416.08	3774437.64	108.87000
414466.08	3774437.64	119.55516	414516.08	3774437.64	129.81726
414566.08	3774437.64	142.33411	414616.08	3774437.64	165.62670
414666.08	3774437.64	206.86164	414716.08	3774437.64	259.31678
414766.08	3774437.64	299.16672	414816.08	3774437.64	321.62068
414866.08	3774437.64	323.22698	414916.08	3774437.64	308.75708
414966.08	3774437.64	286.95919	415016.08	3774437.64	262.65884
414016.08	3774487.64	36.32813	414066.08	3774487.64	40.09200
414116.08	3774487.64	44.42798	414166.08	3774487.64	49.07422

414216.08	3774487.64	54.42866	414266.08	3774487.64	60.04900
414316.08	3774487.64	65.84574	414366.08	3774487.64	71.48896
414416.08	3774487.64	76.33117	414466.08	3774487.64	81.48868
414516.08	3774487.64	86.13263	414566.08	3774487.64	92.91649

*** AERMOD - VERSION 19191 *** *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc *** 05/24/21
*** AERMET - VERSION 16216 *** *** *** 12:11:05

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA9 ***

INCLUDING SOURCE(S): AREA9 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414616.08	3774487.64	103.07453	414666.08	3774487.64	119.39833
414716.08	3774487.64	140.98053	414766.08	3774487.64	173.26270
414816.08	3774487.64	194.13998	414866.08	3774487.64	211.11923
414916.08	3774487.64	217.62172	414966.08	3774487.64	215.44748
415016.08	3774487.64	208.06738	414016.08	3774537.64	31.95277
414066.08	3774537.64	34.81594	414116.08	3774537.64	37.96242
414166.08	3774537.64	41.21809	414216.08	3774537.64	44.69544
414266.08	3774537.64	47.83008	414316.08	3774537.64	50.91092
414366.08	3774537.64	53.70895	414416.08	3774537.64	56.58075
414466.08	3774537.64	58.91907	414516.08	3774537.64	61.66041
414566.08	3774537.64	65.25611	414616.08	3774537.64	70.58189
414666.08	3774537.64	79.04418	414716.08	3774537.64	90.34750
414766.08	3774537.64	107.27072	414816.08	3774537.64	120.51468
414866.08	3774537.64	136.82655	414916.08	3774537.64	147.95888
414966.08	3774537.64	154.64293	415016.08	3774537.64	156.56989
414016.08	3774587.64	28.08489	414066.08	3774587.64	30.19504
414116.08	3774587.64	32.42256	414166.08	3774587.64	34.66402
414216.08	3774587.64	36.80916	414266.08	3774587.64	38.56084
414316.08	3774587.64	40.19046	414366.08	3774587.64	41.77986
414416.08	3774587.64	43.40015	414466.08	3774587.64	44.98664
414516.08	3774587.64	46.61418	414566.08	3774587.64	48.62407
414616.08	3774587.64	51.75152	414666.08	3774587.64	56.72584
414716.08	3774587.64	63.25219	414766.08	3774587.64	72.34058
414816.08	3774587.64	81.28317	414866.08	3774587.64	91.46715
414916.08	3774587.64	100.88203	414966.08	3774587.64	109.05251
415016.08	3774587.64	114.60417	414016.08	3774637.64	24.73037
414066.08	3774637.64	26.17360	414116.08	3774637.64	27.68389
414166.08	3774637.64	29.09593	414216.08	3774637.64	30.45495
414266.08	3774637.64	31.44282	414316.08	3774637.64	32.31432
414366.08	3774637.64	33.21936	414416.08	3774637.64	34.43039
414466.08	3774637.64	35.31365	414516.08	3774637.64	36.46847
414566.08	3774637.64	37.78419	414616.08	3774637.64	39.74133
414666.08	3774637.64	42.81917	414716.08	3774637.64	46.77477
414766.08	3774637.64	51.78783	414816.08	3774637.64	57.60507
414866.08	3774637.64	63.99558	414916.08	3774637.64	70.47682
414966.08	3774637.64	77.31201	415016.08	3774637.64	82.95750

414361.21	3774308.59	232.95783	414586.99	3774306.89	1403.92603
414586.99	3774347.63	515.50646	414636.22	3774347.63	787.82850
414629.43	3773930.02	215.02638	414359.51	3773930.02	323.10261
414406.37	3774308.25	314.34521	414451.52	3774307.91	442.74258

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA9 ***

INCLUDING SOURCE(S): AREA9 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414496.68	3774307.57	641.97172	414541.83	3774307.23	907.07894
414635.47	3774301.23	2696.70253	414634.71	3774254.83	7378.62836
414633.96	3774208.43	4123.41424	414633.20	3774162.03	1227.29430
414632.45	3774115.62	663.73685	414631.69	3774069.22	490.73341
414630.94	3774022.82	355.91832	414630.18	3773976.42	271.85419
414584.44	3773930.02	273.79376	414539.46	3773930.02	306.19703
414494.47	3773930.02	359.18010	414449.48	3773930.02	365.75249
414404.50	3773930.02	360.76183	414359.72	3773977.34	374.15774
414359.94	3774024.66	426.09123	414360.15	3774071.98	471.61227
414360.36	3774119.31	487.29149	414360.57	3774166.63	432.18719
414360.79	3774213.95	375.82095	414361.00	3774261.27	307.93340
414651.22	3774193.13	2216.42303	414651.22	3774219.08	4014.91067
414651.87	3774247.64	5240.07941	414651.87	3774278.78	4018.74707
414651.87	3774298.90	2723.62269	414652.52	3774320.31	1662.00074
414651.87	3774365.09	605.52066	414653.17	3774345.62	923.71237
414649.27	3774056.86	381.35691	414651.22	3774134.08	699.71910
414650.57	3774166.52	1203.06736	414647.97	3774014.03	293.90148
414248.25	3774308.63	128.86117	414246.95	3774293.71	136.02647
414246.30	3774277.48	144.37524	414246.30	3774261.91	152.70280
414246.95	3774244.39	162.46582	414245.65	3774234.01	166.89584
414246.30	3774219.73	174.70355	414245.65	3774206.11	180.72306
414245.00	3774187.94	188.36517	414244.36	3774168.47	199.82478
414244.36	3774156.14	204.71693	414244.36	3774136.02	211.94603
414241.76	3774052.96	225.45397	414242.41	3774036.74	226.87550
414243.06	3774017.27	227.02185	414243.06	3773979.64	222.92234
414239.81	3773932.92	210.50698	414239.16	3773893.33	199.52371
414646.03	3773967.31	231.70115	414647.97	3773917.34	180.90853
414646.03	3773895.93	167.03374	414646.68	3773877.11	154.18745
414646.68	3773841.42	134.40166	414644.73	3773799.89	117.08068
414649.92	3774091.90	496.52562	414651.87	3774207.40	3115.19020
414647.28	3773769.60	104.68665	414647.28	3773722.90	90.75032
414588.50	3773543.39	68.32639	414530.55	3773519.46	75.04261
414486.45	3773503.08	79.27042	414427.23	3773494.26	85.59211
414356.68	3773470.32	87.00635	414273.52	3773436.30	83.50121
414053.04	3773606.39	87.83468	414834.19	3774266.59	759.89030

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***
INCLUDING SOURCE(S): L0008169 , L0008170 , L0008171 , L0008172 , L0008173 ,
L0008174 , L0008175 , L0008176 , L0008177 , L0008178 , L0008179 , L0008180 , L0008181 ,
L0008182 , L0008183 , L0008184 , L0008185 , L0008186 , L0008187 , L0008188 , L0008189 ,
L0008190 , L0008191 , L0008192 , L0008193 , L0008194 , L0008195 , L0008196 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414016.08	3773637.64	2.86675	414066.08	3773637.64	3.20672
414116.08	3773637.64	3.21967	414166.08	3773637.64	3.47694
414216.08	3773637.64	3.79717	414266.08	3773637.64	4.02103
414316.08	3773637.64	3.76917	414366.08	3773637.64	3.92186
414416.08	3773637.64	4.16852	414466.08	3773637.64	4.76907
414516.08	3773637.64	4.81191	414566.08	3773637.64	4.87144
414616.08	3773637.64	4.21474	414666.08	3773637.64	3.88434
414716.08	3773637.64	3.46913	414766.08	3773637.64	3.09961
414816.08	3773637.64	2.83052	414866.08	3773637.64	2.58223
414916.08	3773637.64	2.35134	414966.08	3773637.64	2.15304
415016.08	3773637.64	1.96650	414016.08	3773687.64	3.06881
414066.08	3773687.64	3.47546	414116.08	3773687.64	3.49058
414166.08	3773687.64	3.42996	414216.08	3773687.64	3.73300
414266.08	3773687.64	4.03426	414316.08	3773687.64	4.36855
414366.08	3773687.64	4.71635	414416.08	3773687.64	5.11433
414466.08	3773687.64	5.85499	414516.08	3773687.64	5.89346
414566.08	3773687.64	6.03222	414616.08	3773687.64	5.10313
414666.08	3773687.64	4.51912	414716.08	3773687.64	4.05212
414766.08	3773687.64	3.55167	414816.08	3773687.64	3.21709
414866.08	3773687.64	2.88436	414916.08	3773687.64	2.59975
414966.08	3773687.64	2.35304	415016.08	3773687.64	2.13218
414016.08	3773737.64	3.26918	414066.08	3773737.64	3.76159
414116.08	3773737.64	3.90606	414166.08	3773737.64	3.88256
414216.08	3773737.64	4.20706	414266.08	3773737.64	4.76176
414316.08	3773737.64	5.33571	414366.08	3773737.64	5.94710
414416.08	3773737.64	6.49519	414466.08	3773737.64	7.47856
414516.08	3773737.64	7.57072	414566.08	3773737.64	7.69938
414616.08	3773737.64	6.28110	414666.08	3773737.64	5.41527
414716.08	3773737.64	4.74462	414766.08	3773737.64	4.13243
414816.08	3773737.64	3.65759	414866.08	3773737.64	3.25313
414916.08	3773737.64	2.90657	414966.08	3773737.64	2.60723
415016.08	3773737.64	2.34756	414016.08	3773787.64	3.47217
414066.08	3773787.64	4.03466	414116.08	3773787.64	4.49715
414166.08	3773787.64	4.82972	414216.08	3773787.64	5.21585
414266.08	3773787.64	6.02696	414316.08	3773787.64	6.94481
414366.08	3773787.64	7.91476	414416.08	3773787.64	8.95554
414466.08	3773787.64	10.08434	414516.08	3773787.64	10.20886
414566.08	3773787.64	10.27118	414616.08	3773787.64	8.00109

414666.08	3773787.64	6.67420	414716.08	3773787.64	5.66262
414766.08	3773787.64	4.84468	414816.08	3773787.64	4.37170

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*** AERMET - VERSION 16216 *** *** *** 12:11:05

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***

INCLUDING SOURCE(S): L0008169 , L0008170 , L0008171 , L0008172 , L0008173 ,
L0008174 , L0008175 , L0008176 , L0008177 , L0008178 , L0008179 , L0008180 , L0008181 ,
L0008182 , L0008183 , L0008184 , L0008185 , L0008186 , L0008187 , L0008188 , L0008189 ,
L0008190 , L0008191 , L0008192 , L0008193 , L0008194 , L0008195 , L0008196 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414866.08	3773787.64	3.65868	414916.08	3773787.64	3.21853
414966.08	3773787.64	2.83904	415016.08	3773787.64	2.54439
414016.08	3773837.64	3.65992	414066.08	3773837.64	4.29613
414116.08	3773837.64	5.12720	414166.08	3773837.64	6.22372
414216.08	3773837.64	7.67010	414266.08	3773837.64	8.77397
414316.08	3773837.64	9.95067	414366.08	3773837.64	12.56787
414416.08	3773837.64	13.73483	414466.08	3773837.64	14.80766
414516.08	3773837.64	14.91846	414566.08	3773837.64	14.40913
414616.08	3773837.64	10.59763	414666.08	3773837.64	8.42518
414716.08	3773837.64	6.87353	414766.08	3773837.64	5.72069
414816.08	3773837.64	4.85219	414866.08	3773837.64	4.15120
414916.08	3773837.64	3.61654	414966.08	3773837.64	3.17328
415016.08	3773837.64	2.81259	414016.08	3773887.64	3.84019
414066.08	3773887.64	4.54686	414116.08	3773887.64	5.48485
414166.08	3773887.64	6.78763	414216.08	3773887.64	8.66434
414266.08	3773887.64	11.51752	414316.08	3773887.64	15.84357
414366.08	3773887.64	21.90505	414416.08	3773887.64	28.09090
414466.08	3773887.64	29.78332	414516.08	3773887.64	25.66652
414566.08	3773887.64	23.63597	414616.08	3773887.64	15.45277
414666.08	3773887.64	11.19618	414716.08	3773887.64	8.56490
414766.08	3773887.64	6.83715	414816.08	3773887.64	5.64063
414866.08	3773887.64	4.76748	414916.08	3773887.64	4.07138
414966.08	3773887.64	3.55255	415016.08	3773887.64	3.12161
414016.08	3773937.64	3.98370	414066.08	3773937.64	4.75961
414116.08	3773937.64	5.79154	414166.08	3773937.64	7.27250
414216.08	3773937.64	9.54615	414266.08	3773937.64	13.49815
414316.08	3773937.64	21.51097	414666.08	3773937.64	15.63146
414716.08	3773937.64	10.93316	414766.08	3773937.64	8.34197
414816.08	3773937.64	6.69580	414866.08	3773937.64	5.54062
414916.08	3773937.64	4.70386	414966.08	3773937.64	4.00549
415016.08	3773937.64	3.48511	414016.08	3773987.64	4.10010
414066.08	3773987.64	4.92497	414116.08	3773987.64	6.04291
414166.08	3773987.64	7.66946	414216.08	3773987.64	10.18913
414266.08	3773987.64	14.63175	414316.08	3773987.64	23.21300
414666.08	3773987.64	20.10878	414716.08	3773987.64	13.42057

414766.08	3773987.64	9.96161	414816.08	3773987.64	7.83233
414866.08	3773987.64	6.37173	414916.08	3773987.64	5.31027
414966.08	3773987.64	4.50550	415016.08	3773987.64	3.88455
414016.08	3774037.64	4.16522	414066.08	3774037.64	4.98371
414116.08	3774037.64	6.14619	414166.08	3774037.64	7.82482

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*** AERMET - VERSION 16216 *** *** *** 12:11:05

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***

INCLUDING SOURCE(S): L0008169 , L0008170 , L0008171 , L0008172 , L0008173 , L0008174 , L0008175 , L0008176 , L0008177 , L0008178 , L0008179 , L0008180 , L0008181 , L0008182 , L0008183 , L0008184 , L0008185 , L0008186 , L0008187 , L0008188 , L0008189 , L0008190 , L0008191 , L0008192 , L0008193 , L0008194 , L0008195 , L0008196 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414216.08	3774037.64	10.41010	414266.08	3774037.64	14.88945
414316.08	3774037.64	21.03556	414666.08	3774037.64	21.32546
414716.08	3774037.64	15.02899	414766.08	3774037.64	11.28601
414816.08	3774037.64	8.85680	414866.08	3774037.64	7.16190
414916.08	3774037.64	5.92224	414966.08	3774037.64	4.99995
415016.08	3774037.64	4.28953	414016.08	3774087.64	4.17488
414066.08	3774087.64	5.03599	414116.08	3774087.64	6.21433
414166.08	3774087.64	7.94692	414216.08	3774087.64	10.55762
414266.08	3774087.64	14.87003	414316.08	3774087.64	20.41894
414666.08	3774087.64	21.77951	414716.08	3774087.64	15.88987
414766.08	3774087.64	12.17931	414816.08	3774087.64	9.59508
414866.08	3774087.64	7.76104	414916.08	3774087.64	6.41706
414966.08	3774087.64	5.38946	415016.08	3774087.64	4.61228
414016.08	3774137.64	4.12054	414066.08	3774137.64	4.97609
414116.08	3774137.64	6.17401	414166.08	3774137.64	7.87048
414216.08	3774137.64	10.48953	414266.08	3774137.64	14.98049
414316.08	3774137.64	21.49100	414666.08	3774137.64	22.69613
414716.08	3774137.64	16.58132	414766.08	3774137.64	12.67369
414816.08	3774137.64	10.01942	414866.08	3774137.64	8.11606
414916.08	3774137.64	6.73098	414966.08	3774137.64	5.68581
415016.08	3774137.64	4.87101	414016.08	3774187.64	4.04265
414066.08	3774187.64	4.83062	414116.08	3774187.64	6.02020
414166.08	3774187.64	7.65232	414216.08	3774187.64	10.25889
414266.08	3774187.64	14.91381	414316.08	3774187.64	24.95115
414666.08	3774187.64	24.65541	414716.08	3774187.64	17.16469
414766.08	3774187.64	12.83247	414816.08	3774187.64	10.05078
414866.08	3774187.64	8.16470	414916.08	3774187.64	6.79773
414966.08	3774187.64	5.77263	415016.08	3774187.64	4.95718
414016.08	3774237.64	3.87972	414066.08	3774237.64	4.66371
414116.08	3774237.64	5.76945	414166.08	3774237.64	7.27911
414216.08	3774237.64	9.69623	414266.08	3774237.64	14.19894
414316.08	3774237.64	24.81263	414666.08	3774237.64	29.09481

414716.08	3774237.64	17.39809	414766.08	3774237.64	12.43255
414816.08	3774237.64	9.65248	414866.08	3774237.64	7.86961
414916.08	3774237.64	6.59631	414966.08	3774237.64	5.64227
415016.08	3774237.64	4.88299	414016.08	3774287.64	3.69541
414066.08	3774287.64	4.41019	414116.08	3774287.64	5.34525
414166.08	3774287.64	6.71177	414216.08	3774287.64	8.80562
414266.08	3774287.64	12.49277	414316.08	3774287.64	20.61224
414666.08	3774287.64	31.41881	414716.08	3774287.64	16.22826

*** AERMOD - VERSION 19191 *** *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc
*** 05/24/21
*** AERMET - VERSION 16216 *** *** *** 12:11:05

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***

INCLUDING SOURCE(S): L0008169 , L0008170 , L0008171 , L0008172 , L0008173 ,
L0008174 , L0008175 , L0008176 , L0008177 , L0008178 , L0008179 , L0008180 , L0008181 ,
L0008182 , L0008183 , L0008184 , L0008185 , L0008186 , L0008187 , L0008188 , L0008189 ,
L0008190 , L0008191 , L0008192 , L0008193 , L0008194 , L0008195 , L0008196 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414766.08	3774287.64	11.38458	414816.08	3774287.64	8.84695
414866.08	3774287.64	7.27768	414916.08	3774287.64	6.16022
414966.08	3774287.64	5.32688	415016.08	3774287.64	4.66295
414016.08	3774337.64	3.47432	414066.08	3774337.64	4.08918
414116.08	3774337.64	4.90879	414166.08	3774337.64	6.03230
414216.08	3774337.64	7.65375	414266.08	3774337.64	10.25447
414316.08	3774337.64	14.66476	414366.08	3774337.64	22.16762
414416.08	3774337.64	29.58225	414466.08	3774337.64	32.44136
414516.08	3774337.64	33.33605	414566.08	3774337.64	33.06364
414666.08	3774337.64	19.15759	414716.08	3774337.64	13.03119
414766.08	3774337.64	9.72911	414816.08	3774337.64	7.76392
414866.08	3774337.64	6.49440	414916.08	3774337.64	5.56805
414966.08	3774337.64	4.87654	415016.08	3774337.64	4.32616
414016.08	3774387.64	3.20851	414066.08	3774387.64	3.73285
414116.08	3774387.64	4.40993	414166.08	3774387.64	5.29061
414216.08	3774387.64	6.50289	414266.08	3774387.64	8.17117
414316.08	3774387.64	10.44010	414366.08	3774387.64	13.19679
414416.08	3774387.64	15.66871	414466.08	3774387.64	17.13355
414516.08	3774387.64	17.59973	414566.08	3774387.64	17.02659
414616.08	3774387.64	15.07776	414666.08	3774387.64	12.31145
414716.08	3774387.64	9.79294	414766.08	3774387.64	7.91631
414816.08	3774387.64	6.60579	414866.08	3774387.64	5.64237
414916.08	3774387.64	4.92286	414966.08	3774387.64	4.36486
415016.08	3774387.64	3.91865	414016.08	3774437.64	2.95444
414066.08	3774437.64	3.38445	414116.08	3774437.64	3.94723
414166.08	3774437.64	4.59860	414216.08	3774437.64	5.46295
414266.08	3774437.64	6.51957	414316.08	3774437.64	7.75245
414366.08	3774437.64	9.06678	414416.08	3774437.64	10.20524
414466.08	3774437.64	10.93912	414516.08	3774437.64	11.18193

414566.08	3774437.64	10.80906	414616.08	3774437.64	9.90902
414666.08	3774437.64	8.68871	414716.08	3774437.64	7.43621
414766.08	3774437.64	6.32989	414816.08	3774437.64	5.47416
414866.08	3774437.64	4.80908	414916.08	3774437.64	4.27360
414966.08	3774437.64	3.84372	415016.08	3774437.64	3.49392
414016.08	3774487.64	2.70731	414066.08	3774487.64	3.06205
414116.08	3774487.64	3.50148	414166.08	3774487.64	3.98695
414216.08	3774487.64	4.59381	414266.08	3774487.64	5.27265
414316.08	3774487.64	6.01348	414366.08	3774487.64	6.74286
414416.08	3774487.64	7.31317	414466.08	3774487.64	7.72757
414516.08	3774487.64	7.81114	414566.08	3774487.64	7.64281

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***

INCLUDING SOURCE(S): L0008169 , L0008170 , L0008171 , L0008172 , L0008173 ,
L0008174 , L0008175 , L0008176 , L0008177 , L0008178 , L0008179 , L0008180 , L0008181 ,
L0008182 , L0008183 , L0008184 , L0008185 , L0008186 , L0008187 , L0008188 , L0008189 ,
L0008190 , L0008191 , L0008192 , L0008193 , L0008194 , L0008195 , L0008196 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414616.08	3774487.64	7.14799	414666.08	3774487.64	6.47233
414716.08	3774487.64	5.72308	414766.08	3774487.64	5.16190
414816.08	3774487.64	4.56010	414866.08	3774487.64	4.09388
414916.08	3774487.64	3.69967	414966.08	3774487.64	3.36582
415016.08	3774487.64	3.08746	414016.08	3774537.64	2.47182
414066.08	3774537.64	2.75990	414116.08	3774537.64	3.10357
414166.08	3774537.64	3.47615	414216.08	3774537.64	3.91067
414266.08	3774537.64	4.33000	414316.08	3774537.64	4.78404
414366.08	3774537.64	5.21247	414416.08	3774537.64	5.58369
414466.08	3774537.64	5.77173	414516.08	3774537.64	5.82477
414566.08	3774537.64	5.72150	414616.08	3774537.64	5.44465
414666.08	3774537.64	5.06069	414716.08	3774537.64	4.60376
414766.08	3774537.64	4.24536	414816.08	3774537.64	3.81102
414866.08	3774537.64	3.49676	414916.08	3774537.64	3.20033
414966.08	3774537.64	2.94641	415016.08	3774537.64	2.72443
414016.08	3774587.64	2.23851	414066.08	3774587.64	2.47030
414116.08	3774587.64	2.74738	414166.08	3774587.64	3.03119
414216.08	3774587.64	3.34598	414266.08	3774587.64	3.61998
414316.08	3774587.64	3.91872	414366.08	3774587.64	4.19439
414416.08	3774587.64	4.41509	414466.08	3774587.64	4.53596
414516.08	3774587.64	4.54336	414566.08	3774587.64	4.47277
414616.08	3774587.64	4.30824	414666.08	3774587.64	4.07855
414716.08	3774587.64	3.79422	414766.08	3774587.64	3.54486
414816.08	3774587.64	3.24877	414866.08	3774587.64	3.00285
414916.08	3774587.64	2.77864	414966.08	3774587.64	2.58449
415016.08	3774587.64	2.41038	414016.08	3774637.64	2.03295

414066.08	3774637.64	2.19928	414116.08	3774637.64	2.40186
414166.08	3774637.64	2.62394	414216.08	3774637.64	2.86915
414266.08	3774637.64	3.05819	414316.08	3774637.64	3.24931
414366.08	3774637.64	3.41214	414416.08	3774637.64	3.57366
414466.08	3774637.64	3.50835	414516.08	3774637.64	3.62775
414566.08	3774637.64	3.60327	414616.08	3774637.64	3.51731
414666.08	3774637.64	3.36971	414716.08	3774637.64	3.17209
414766.08	3774637.64	2.96340	414816.08	3774637.64	2.76872
414866.08	3774637.64	2.58761	414916.08	3774637.64	2.41777
414966.08	3774637.64	2.27032	415016.08	3774637.64	2.13301
414361.21	3774308.59	32.16876	414586.99	3774306.89	65.09837
414586.99	3774347.63	27.01940	414636.22	3774347.63	21.48357
414629.43	3773930.02	21.16561	414359.51	3773930.02	37.46436
414406.37	3774308.25	54.30795	414451.52	3774307.91	58.87978

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***

INCLUDING SOURCE(S): L0008169 , L0008170 , L0008171 , L0008172 , L0008173 ,
L0008174 , L0008175 , L0008176 , L0008177 , L0008178 , L0008179 , L0008180 , L0008181 ,
L0008182 , L0008183 , L0008184 , L0008185 , L0008186 , L0008187 , L0008188 , L0008189 ,
L0008190 , L0008191 , L0008192 , L0008193 , L0008194 , L0008195 , L0008196 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414496.68	3774307.57	60.07151	414541.83	3774307.23	62.32113
414635.47	3774301.23	50.46742	414634.71	3774254.83	59.57354
414633.96	3774208.43	36.43760	414633.20	3774162.03	30.66969
414632.45	3774115.62	29.04762	414631.69	3774069.22	29.02568
414630.94	3774022.82	30.34135	414630.18	3773976.42	29.97269
414584.44	3773930.02	57.54775	414539.46	3773930.02	62.05349
414494.47	3773930.02	72.98272	414449.48	3773930.02	68.88684
414404.50	3773930.02	61.94735	414359.72	3773977.34	60.66497
414359.94	3774024.66	54.70544	414360.15	3774071.98	44.62076
414360.36	3774119.31	46.97546	414360.57	3774166.63	56.91610
414360.79	3774213.95	63.15912	414361.00	3774261.27	60.56233
414651.22	3774193.13	28.48818	414651.22	3774219.08	31.84260
414651.87	3774247.64	38.51786	414651.87	3774278.78	49.79005
414651.87	3774298.90	37.99942	414652.52	3774320.31	26.95843
414651.87	3774365.09	16.12477	414653.17	3774345.62	19.57731
414649.27	3774056.86	24.75252	414651.22	3774134.08	25.24848
414650.57	3774166.52	26.61908	414647.97	3774014.03	25.17998
414248.25	3774308.63	10.22723	414246.95	3774293.71	10.63537
414246.30	3774277.48	11.08707	414246.30	3774261.91	11.51739
414246.95	3774244.39	11.99205	414245.65	3774234.01	12.09057
414246.30	3774219.73	12.39349	414245.65	3774206.11	12.50969
414245.00	3774187.94	12.62410	414244.36	3774168.47	12.69315
414244.36	3774156.14	12.73410	414244.36	3774136.02	12.77554

414241.76	3774052.96	12.53510	414242.41	3774036.74	12.54451
414243.06	3774017.27	12.52141	414243.06	3773979.64	12.17810
414239.81	3773932.92	11.05120	414239.16	3773893.33	10.01022
414646.03	3773967.31	23.18839	414647.97	3773917.34	15.77121
414646.03	3773895.93	13.54989	414646.68	3773877.11	11.80742
414646.68	3773841.42	9.45951	414644.73	3773799.89	7.65465
414649.92	3774091.90	24.79836	414651.87	3774207.40	29.92456
414647.28	3773769.60	6.58706	414647.28	3773722.90	5.42177
414588.50	3773543.39	3.27896	414530.55	3773519.46	3.30947
414486.45	3773503.08	3.31776	414427.23	3773494.26	3.38351
414356.68	3773470.32	3.21601	414273.52	3773436.30	2.85565
414053.04	3773606.39	2.96392	414834.19	3774266.59	8.54586

*** AERMOD - VERSION 19191 *** *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc *** 05/24/21
*** AERMET - VERSION 16216 *** *** *** 12:11:05

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2 ***

INCLUDING SOURCE(S): L0008230 , L0008231 , L0008232 , L0008233 , L0008234 , L0008235 , L0008236 , L0008237 , L0008238 , L0008239 , L0008240 , L0008241 , L0008242 , L0008243 , L0008244 , L0008245 , L0008246 , L0008247 , L0008248 , L0008249 , L0008250 , L0008251 , L0008252 , L0008253 , L0008254 , L0008255 , L0008256 , L0008257 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414016.08	3773637.64	2.42059	414066.08	3773637.64	2.72214
414116.08	3773637.64	3.00974	414166.08	3773637.64	3.34909
414216.08	3773637.64	3.83632	414266.08	3773637.64	4.35104
414316.08	3773637.64	4.58539	414366.08	3773637.64	5.47996
414416.08	3773637.64	6.90684	414466.08	3773637.64	9.70542
414516.08	3773637.64	13.45035	414566.08	3773637.64	24.52115
414616.08	3773637.64	68.99625	414666.08	3773637.64	63.77942
414716.08	3773637.64	26.13053	414766.08	3773637.64	16.52616
414816.08	3773637.64	11.90981	414866.08	3773637.64	9.16607
414916.08	3773637.64	7.34367	414966.08	3773637.64	6.04840
415016.08	3773637.64	5.08366	414016.08	3773687.64	2.43507
414066.08	3773687.64	2.73922	414116.08	3773687.64	2.92523
414166.08	3773687.64	2.96982	414216.08	3773687.64	3.35348
414266.08	3773687.64	3.83654	414316.08	3773687.64	4.51319
414366.08	3773687.64	5.47810	414416.08	3773687.64	6.94572
414466.08	3773687.64	9.70276	414516.08	3773687.64	13.36116
414566.08	3773687.64	23.87347	414616.08	3773687.64	68.43028
414666.08	3773687.64	64.84473	414716.08	3773687.64	26.27529
414766.08	3773687.64	16.64012	414816.08	3773687.64	11.99464
414866.08	3773687.64	9.23803	414916.08	3773687.64	7.40483
414966.08	3773687.64	6.10044	415016.08	3773687.64	5.12843
414016.08	3773737.64	2.43848	414066.08	3773737.64	2.74372
414116.08	3773737.64	2.93286	414166.08	3773737.64	2.96375
414216.08	3773737.64	3.26944	414266.08	3773737.64	3.80918
414316.08	3773737.64	4.50999	414366.08	3773737.64	5.51129

414416.08	3773737.64	6.95227	414466.08	3773737.64	9.68184
414516.08	3773737.64	13.37930	414566.08	3773737.64	23.23911
414616.08	3773737.64	67.75071	414666.08	3773737.64	65.51649
414716.08	3773737.64	26.40864	414766.08	3773737.64	16.71095
414816.08	3773737.64	12.04191	414866.08	3773737.64	9.27115
414916.08	3773737.64	7.43137	414966.08	3773737.64	6.12286
415016.08	3773737.64	5.14814	414016.08	3773787.64	2.43064
414066.08	3773787.64	2.73451	414116.08	3773787.64	3.02687
414166.08	3773787.64	3.19529	414216.08	3773787.64	3.43081
414266.08	3773787.64	3.94851	414316.08	3773787.64	4.62574
414366.08	3773787.64	5.58065	414416.08	3773787.64	7.09897
414466.08	3773787.64	9.64493	414516.08	3773787.64	13.32150
414566.08	3773787.64	22.39261	414616.08	3773787.64	66.99704
414666.08	3773787.64	66.16189	414716.08	3773787.64	26.49785
414766.08	3773787.64	16.72274	414816.08	3773787.64	12.02060

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2 ***

INCLUDING SOURCE(S): L0008230 , L0008231 , L0008232 , L0008233 , L0008234 ,
L0008235 , L0008236 , L0008237 , L0008238 , L0008239 , L0008240 , L0008241 , L0008242 ,
L0008243 , L0008244 , L0008245 , L0008246 , L0008247 , L0008248 , L0008249 , L0008250 ,
L0008251 , L0008252 , L0008253 , L0008254 , L0008255 , L0008256 , L0008257 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414866.08	3773787.64	9.26676	414916.08	3773787.64	7.42372
414966.08	3773787.64	6.11252	415016.08	3773787.64	5.13918
414016.08	3773837.64	2.41334	414066.08	3773837.64	2.71339
414116.08	3773837.64	3.07580	414166.08	3773837.64	3.52034
414216.08	3773837.64	4.07515	414266.08	3773837.64	4.52291
414316.08	3773837.64	4.99135	414366.08	3773837.64	6.18379
414416.08	3773837.64	7.38882	414466.08	3773837.64	9.57700
414516.08	3773837.64	13.20314	414566.08	3773837.64	21.29991
414616.08	3773837.64	66.22518	414666.08	3773837.64	66.75920
414716.08	3773837.64	26.52428	414766.08	3773837.64	16.68528
414816.08	3773837.64	11.99584	414866.08	3773837.64	9.22098
414916.08	3773837.64	7.38113	414966.08	3773837.64	6.07584
415016.08	3773837.64	5.10634	414016.08	3773887.64	2.38451
414066.08	3773887.64	2.67903	414116.08	3773887.64	3.03502
414166.08	3773887.64	3.47132	414216.08	3773887.64	4.01558
414266.08	3773887.64	4.70860	414316.08	3773887.64	5.61554
414366.08	3773887.64	6.84418	414416.08	3773887.64	8.37596
414466.08	3773887.64	10.56412	414516.08	3773887.64	13.06100
414566.08	3773887.64	20.68343	414616.08	3773887.64	65.39599
414666.08	3773887.64	67.34943	414716.08	3773887.64	26.48228
414766.08	3773887.64	16.60565	414816.08	3773887.64	11.90607
414866.08	3773887.64	9.13158	414916.08	3773887.64	7.29819

414966.08	3773887.64	6.00543	415016.08	3773887.64	5.04589
414016.08	3773937.64	2.34571	414066.08	3773937.64	2.63254
414116.08	3773937.64	2.97926	414166.08	3773937.64	3.40418
414216.08	3773937.64	3.93448	414266.08	3773937.64	4.61035
414316.08	3773937.64	5.49726	414666.08	3773937.64	67.82697
414716.08	3773937.64	26.36269	414766.08	3773937.64	16.44636
414816.08	3773937.64	11.75022	414866.08	3773937.64	8.99144
414916.08	3773937.64	7.17460	414966.08	3773937.64	5.90108
415016.08	3773937.64	4.95705	414016.08	3773987.64	2.29676
414066.08	3773987.64	2.57403	414116.08	3773987.64	2.90877
414166.08	3773987.64	3.31904	414216.08	3773987.64	3.83128
414266.08	3773987.64	4.48541	414316.08	3773987.64	5.33540
414666.08	3773987.64	68.23576	414716.08	3773987.64	26.15538
414766.08	3773987.64	16.21387	414816.08	3773987.64	11.52958
414866.08	3773987.64	8.79833	414916.08	3773987.64	7.01329
414966.08	3773987.64	5.76327	415016.08	3773987.64	4.84203
414016.08	3774037.64	2.23839	414066.08	3774037.64	2.50365
414116.08	3774037.64	2.82377	414166.08	3774037.64	3.21587

*** AERMOD - VERSION 19191 *** *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc
*** 05/24/21
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2 ***

INCLUDING SOURCE(S): L0008230 , L0008231 , L0008232 , L0008233 , L0008234 ,
L0008235 , L0008236 , L0008237 , L0008238 , L0008239 , L0008240 , L0008241 , L0008242 ,
L0008243 , L0008244 , L0008245 , L0008246 , L0008247 , L0008248 , L0008249 , L0008250 ,
L0008251 , L0008252 , L0008253 , L0008254 , L0008255 , L0008256 , L0008257 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414216.08	3774037.64	3.70537	414266.08	3774037.64	4.33147
414316.08	3774037.64	5.11573	414666.08	3774037.64	68.49729
414716.08	3774037.64	25.80730	414766.08	3774037.64	15.85801
414816.08	3774037.64	11.21298	414866.08	3774037.64	8.53326
414916.08	3774037.64	6.79418	414966.08	3774037.64	5.58235
415016.08	3774037.64	4.69265	414016.08	3774087.64	2.17124
414066.08	3774087.64	2.42323	414116.08	3774087.64	2.72619
414166.08	3774087.64	3.09697	414216.08	3774087.64	3.55879
414266.08	3774087.64	4.14854	414316.08	3774087.64	4.84302
414666.08	3774087.64	68.52660	414716.08	3774087.64	25.27354
414766.08	3774087.64	15.30835	414816.08	3774087.64	10.78198
414866.08	3774087.64	8.18013	414916.08	3774087.64	6.51497
414966.08	3774087.64	5.36073	415016.08	3774087.64	4.51710
414016.08	3774137.64	2.09602	414066.08	3774137.64	2.33267
414116.08	3774137.64	2.61658	414166.08	3774137.64	2.96188
414216.08	3774137.64	3.39093	414266.08	3774137.64	3.93778
414316.08	3774137.64	4.55001	414666.08	3774137.64	68.11385
414716.08	3774137.64	24.32712	414766.08	3774137.64	14.55121
414816.08	3774137.64	10.17739	414866.08	3774137.64	7.72858

414916.08	3774137.64	6.17004	414966.08	3774137.64	5.09118
415016.08	3774137.64	4.30406	414016.08	3774187.64	2.01482
414066.08	3774187.64	2.23397	414116.08	3774187.64	2.49682
414166.08	3774187.64	2.81394	414216.08	3774187.64	3.20593
414266.08	3774187.64	3.70207	414316.08	3774187.64	4.33898
414666.08	3774187.64	66.63494	414716.08	3774187.64	22.67179
414766.08	3774187.64	13.38635	414816.08	3774187.64	9.38715
414866.08	3774187.64	7.16610	414916.08	3774187.64	5.75603
414966.08	3774187.64	4.77813	415016.08	3774187.64	4.06434
414016.08	3774237.64	1.92787	414066.08	3774237.64	2.12992
414116.08	3774237.64	2.36954	414166.08	3774237.64	2.65606
414216.08	3774237.64	3.00676	414266.08	3774237.64	3.44789
414316.08	3774237.64	4.01448	414666.08	3774237.64	61.33070
414716.08	3774237.64	19.55553	414766.08	3774237.64	11.69509
414816.08	3774237.64	8.36028	414866.08	3774237.64	6.48338
414916.08	3774237.64	5.27451	414966.08	3774237.64	4.42467
415016.08	3774237.64	3.79511	414016.08	3774287.64	1.83751
414066.08	3774287.64	2.02110	414116.08	3774287.64	2.23566
414166.08	3774287.64	2.49144	414216.08	3774287.64	2.80003
414266.08	3774287.64	3.18157	414316.08	3774287.64	3.66589
414666.08	3774287.64	32.11861	414716.08	3774287.64	14.23675

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2 ***

INCLUDING SOURCE(S): L0008230 , L0008231 , L0008232 , L0008233 , L0008234 ,
L0008235 , L0008236 , L0008237 , L0008238 , L0008239 , L0008240 , L0008241 , L0008242 ,
L0008243 , L0008244 , L0008245 , L0008246 , L0008247 , L0008248 , L0008249 , L0008250 ,
L0008251 , L0008252 , L0008253 , L0008254 , L0008255 , L0008256 , L0008257 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414766.08	3774287.64	9.45966	414816.08	3774287.64	7.12677
414866.08	3774287.64	5.69974	414916.08	3774287.64	4.73415
414966.08	3774287.64	4.03189	415016.08	3774287.64	3.49906
414016.08	3774337.64	1.74508	414066.08	3774337.64	1.90951
414116.08	3774337.64	2.10060	414166.08	3774337.64	2.32460
414216.08	3774337.64	2.59054	414266.08	3774337.64	2.91435
414316.08	3774337.64	3.31323	414366.08	3774337.64	3.81843
414416.08	3774337.64	4.47866	414466.08	3774337.64	5.38015
414516.08	3774337.64	6.66975	414566.08	3774337.64	8.60507
414666.08	3774337.64	11.39779	414716.08	3774337.64	9.10566
414766.08	3774337.64	7.16542	414816.08	3774337.64	5.82252
414866.08	3774337.64	4.87251	414916.08	3774337.64	4.15868
414966.08	3774337.64	3.61405	415016.08	3774337.64	3.18234
414016.08	3774387.64	1.65078	414066.08	3774387.64	1.79698
414116.08	3774387.64	1.96489	414166.08	3774387.64	2.15871
414216.08	3774387.64	2.38608	414266.08	3774387.64	2.65446

414316.08	3774387.64	2.97535	414366.08	3774387.64	3.36492
414416.08	3774387.64	3.84451	414466.08	3774387.64	4.43938
414516.08	3774387.64	5.17039	414566.08	3774387.64	6.00206
414616.08	3774387.64	6.68661	414666.08	3774387.64	6.75329
414716.08	3774387.64	6.17061	414766.08	3774387.64	5.39606
414816.08	3774387.64	4.69236	414866.08	3774387.64	4.09724
414916.08	3774387.64	3.60727	414966.08	3774387.64	3.20134
415016.08	3774387.64	2.86241	414016.08	3774437.64	1.55829
414066.08	3774437.64	1.68661	414116.08	3774437.64	1.83394
414166.08	3774437.64	1.99797	414216.08	3774437.64	2.18921
414266.08	3774437.64	2.40779	414316.08	3774437.64	2.65879
414366.08	3774437.64	2.95198	414416.08	3774437.64	3.29280
414466.08	3774437.64	3.68138	414516.08	3774437.64	4.10439
414566.08	3774437.64	4.50055	414616.08	3774437.64	4.77165
414666.08	3774437.64	4.80040	414716.08	3774437.64	4.57270
414766.08	3774437.64	4.19607	414816.08	3774437.64	3.80373
414866.08	3774437.64	3.43763	414916.08	3774437.64	3.10382
414966.08	3774437.64	2.80957	415016.08	3774437.64	2.55122
414016.08	3774487.64	1.46811	414066.08	3774487.64	1.58053
414116.08	3774487.64	1.70768	414166.08	3774487.64	1.84533
414216.08	3774487.64	2.00381	414266.08	3774487.64	2.17873
414316.08	3774487.64	2.37544	414366.08	3774487.64	2.59563
414416.08	3774487.64	2.82983	414466.08	3774487.64	3.09206
414516.08	3774487.64	3.34087	414566.08	3774487.64	3.56433

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2 ***

INCLUDING SOURCE(S): L0008230 , L0008231 , L0008232 , L0008233 , L0008234 , L0008235 , L0008236 , L0008237 , L0008238 , L0008239 , L0008240 , L0008241 , L0008242 , L0008243 , L0008244 , L0008245 , L0008246 , L0008247 , L0008248 , L0008249 , L0008250 , L0008251 , L0008252 , L0008253 , L0008254 , L0008255 , L0008256 , L0008257 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414616.08	3774487.64	3.69333	414666.08	3774487.64	3.69870
414716.08	3774487.64	3.56942	414766.08	3774487.64	3.40572
414816.08	3774487.64	3.15595	414866.08	3774487.64	2.91988
414916.08	3774487.64	2.68990	414966.08	3774487.64	2.47220
415016.08	3774487.64	2.27313	414016.08	3774537.64	1.38107
414066.08	3774537.64	1.47889	414116.08	3774537.64	1.58804
414166.08	3774537.64	1.70520	414216.08	3774537.64	1.83627
414266.08	3774537.64	1.96879	414316.08	3774537.64	2.11995
414366.08	3774537.64	2.28252	414416.08	3774537.64	2.46040
414466.08	3774537.64	2.62492	414516.08	3774537.64	2.78522
414566.08	3774537.64	2.91934	414616.08	3774537.64	2.99343
414666.08	3774537.64	2.99804	414716.08	3774537.64	2.92481
414766.08	3774537.64	2.83249	414816.08	3774537.64	2.65956

414866.08	3774537.64	2.51111	414916.08	3774537.64	2.34641
414966.08	3774537.64	2.18755	415016.08	3774537.64	2.03290
414016.08	3774587.64	1.29478	414066.08	3774587.64	1.37925
414116.08	3774587.64	1.47496	414166.08	3774587.64	1.57358
414216.08	3774587.64	1.68165	414266.08	3774587.64	1.78481
414316.08	3774587.64	1.90073	414366.08	3774587.64	2.02402
414416.08	3774587.64	2.15045	414466.08	3774587.64	2.26654
414516.08	3774587.64	2.36987	414566.08	3774587.64	2.45429
414616.08	3774587.64	2.50294	414666.08	3774587.64	2.51043
414716.08	3774587.64	2.46594	414766.08	3774587.64	2.40467
414816.08	3774587.64	2.29427	414866.08	3774587.64	2.18192
414916.08	3774587.64	2.06084	414966.08	3774587.64	1.94308
415016.08	3774587.64	1.82437	414016.08	3774637.64	1.21392
414066.08	3774637.64	1.28067	414116.08	3774637.64	1.35862
414166.08	3774637.64	1.44351	414216.08	3774637.64	1.53619
414266.08	3774637.64	1.61500	414316.08	3774637.64	1.70290
414366.08	3774637.64	1.78924	414416.08	3774637.64	1.88934
414466.08	3774637.64	1.95267	414516.08	3774637.64	2.03553
414566.08	3774637.64	2.09978	414616.08	3774637.64	2.13796
414666.08	3774637.64	2.14572	414716.08	3774637.64	2.11383
414766.08	3774637.64	2.06112	414816.08	3774637.64	1.98956
414866.08	3774637.64	1.90794	414916.08	3774637.64	1.81616
414966.08	3774637.64	1.72939	415016.08	3774637.64	1.63610
414361.21	3774308.59	4.03323	414586.99	3774306.89	13.39052
414586.99	3774347.63	8.76633	414636.22	3774347.63	10.24977
414629.43	3773930.02	50.97987	414359.51	3773930.02	6.54165
414406.37	3774308.25	4.71029	414451.52	3774307.91	5.63715

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2 ***

INCLUDING SOURCE(S): L0008230 , L0008231 , L0008232 , L0008233 , L0008234 ,
L0008235 , L0008236 , L0008237 , L0008238 , L0008239 , L0008240 , L0008241 , L0008242 ,
L0008243 , L0008244 , L0008245 , L0008246 , L0008247 , L0008248 , L0008249 , L0008250 ,
L0008251 , L0008252 , L0008253 , L0008254 , L0008255 , L0008256 , L0008257 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414496.68	3774307.57	6.99244	414541.83	3774307.23	9.18990
414635.47	3774301.23	26.04746	414634.71	3774254.83	57.77394
414633.96	3774208.43	44.52446	414633.20	3774162.03	71.15064
414632.45	3774115.62	48.97725	414631.69	3774069.22	72.68207
414630.94	3774022.82	50.31284	414630.18	3773976.42	51.68786
414584.44	3773930.02	29.36261	414539.46	3773930.02	16.21078
414494.47	3773930.02	12.33269	414449.48	3773930.02	9.47232
414404.50	3773930.02	7.98708	414359.72	3773977.34	6.38520
414359.94	3774024.66	6.12834	414360.15	3774071.98	5.93013
414360.36	3774119.31	5.64281	414360.57	3774166.63	5.27609

414360.79	3774213.95	4.87661	414361.00	3774261.27	4.46796
414651.22	3774193.13	47.44137	414651.22	3774219.08	48.59692
414651.87	3774247.64	37.59441	414651.87	3774278.78	30.53147
414651.87	3774298.90	28.51325	414652.52	3774320.31	15.88514
414651.87	3774365.09	8.40378	414653.17	3774345.62	10.52633
414649.27	3774056.86	53.93105	414651.22	3774134.08	49.67998
414650.57	3774166.52	50.83355	414647.97	3774014.03	56.19797
414248.25	3774308.63	2.93395	414246.95	3774293.71	2.99709
414246.30	3774277.48	3.07077	414246.30	3774261.91	3.14582
414246.95	3774244.39	3.23504	414245.65	3774234.01	3.27277
414246.30	3774219.73	3.34550	414245.65	3774206.11	3.40194
414245.00	3774187.94	3.47719	414244.36	3774168.47	3.55542
414244.36	3774156.14	3.60758	414244.36	3774136.02	3.69020
414241.76	3774052.96	3.95958	414242.41	3774036.74	4.01805
414243.06	3774017.27	4.08345	414243.06	3773979.64	4.18307
414239.81	3773932.92	4.24306	414239.16	3773893.33	4.30455
414646.03	3773967.31	54.51427	414647.97	3773917.34	53.26290
414646.03	3773895.93	54.02284	414646.68	3773877.11	54.01557
414646.68	3773841.42	53.79415	414644.73	3773799.89	57.57126
414649.92	3774091.90	54.59227	414651.87	3774207.40	45.39764
414647.28	3773769.60	53.37657	414647.28	3773722.90	58.37725
414588.50	3773543.39	36.36488	414530.55	3773519.46	17.94281
414486.45	3773503.08	12.69087	414427.23	3773494.26	8.90335
414356.68	3773470.32	6.32608	414273.52	3773436.30	4.52266
414053.04	3773606.39	2.62163	414834.19	3774266.59	6.98649

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*** 05/24/21
*** AERMET - VERSION 16216 *** *** *** 12:11:05

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE3 ***

INCLUDING SOURCE(S): L0008386 , L0008387 , L0008388 , L0008389 , L0008390 ,
L0008391 , L0008392 , L0008393 , L0008394 , L0008395 , L0008396 , L0008397 , L0008398 ,
L0008399 , L0008400 , L0008401 , L0008402 , L0008403 , L0008404 , L0008405 , L0008406 ,
L0008407 , L0008408 , L0008409 , L0008410 , L0008411 , L0008412 , L0008413 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414016.08	3773637.64	1.72654	414066.08	3773637.64	1.73869
414116.08	3773637.64	1.70649	414166.08	3773637.64	1.67702
414216.08	3773637.64	1.66819	414266.08	3773637.64	1.63181
414316.08	3773637.64	1.47128	414366.08	3773637.64	1.43477
414416.08	3773637.64	1.44490	414466.08	3773637.64	1.54095
414516.08	3773637.64	1.51979	414566.08	3773637.64	1.55467
414616.08	3773637.64	1.52879	414666.08	3773637.64	1.47880
414716.08	3773637.64	1.42848	414766.08	3773637.64	1.37524
414816.08	3773637.64	1.31939	414866.08	3773637.64	1.26269
414916.08	3773637.64	1.20591	414966.08	3773637.64	1.14950
415016.08	3773637.64	1.09431	414016.08	3773687.64	1.89754
414066.08	3773687.64	1.91208	414116.08	3773687.64	1.82100

414166.08	3773687.64	1.65706	414216.08	3773687.64	1.62817
414266.08	3773687.64	1.58990	414316.08	3773687.64	1.56401
414366.08	3773687.64	1.55556	414416.08	3773687.64	1.58198
414466.08	3773687.64	1.68256	414516.08	3773687.64	1.65349
414566.08	3773687.64	1.69511	414616.08	3773687.64	1.67235
414666.08	3773687.64	1.61586	414716.08	3773687.64	1.55501
414766.08	3773687.64	1.49258	414816.08	3773687.64	1.42676
414866.08	3773687.64	1.36060	414916.08	3773687.64	1.29438
414966.08	3773687.64	1.22903	415016.08	3773687.64	1.16537
414016.08	3773737.64	2.09579	414066.08	3773737.64	2.11413
414116.08	3773737.64	2.00814	414166.08	3773737.64	1.81497
414216.08	3773737.64	1.73802	414266.08	3773737.64	1.73075
414316.08	3773737.64	1.71692	414366.08	3773737.64	1.72568
414416.08	3773737.64	1.74077	414466.08	3773737.64	1.84916
414516.08	3773737.64	1.82122	414566.08	3773737.64	1.85677
414616.08	3773737.64	1.84082	414666.08	3773737.64	1.77401
414716.08	3773737.64	1.70201	414766.08	3773737.64	1.62720
414816.08	3773737.64	1.54954	414866.08	3773737.64	1.47105
414916.08	3773737.64	1.39305	414966.08	3773737.64	1.31668
415016.08	3773737.64	1.24288	414016.08	3773787.64	2.32701
414066.08	3773787.64	2.34938	414116.08	3773787.64	2.29821
414166.08	3773787.64	2.15327	414216.08	3773787.64	2.02846
414266.08	3773787.64	2.00224	414316.08	3773787.64	1.97140
414366.08	3773787.64	1.95192	414416.08	3773787.64	1.98443
414466.08	3773787.64	2.04770	414516.08	3773787.64	2.01509
414566.08	3773787.64	2.03796	414616.08	3773787.64	2.03980
414666.08	3773787.64	1.95999	414716.08	3773787.64	1.87397
414766.08	3773787.64	1.78368	414816.08	3773787.64	1.68708

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE3 ***

INCLUDING SOURCE(S): L0008386 , L0008387 , L0008388 , L0008389 , L0008390 ,
L0008391 , L0008392 , L0008393 , L0008394 , L0008395 , L0008396 , L0008397 , L0008398 ,
L0008399 , L0008400 , L0008401 , L0008402 , L0008403 , L0008404 , L0008405 , L0008406 ,
L0008407 , L0008408 , L0008409 , L0008410 , L0008411 , L0008412 , L0008413 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414866.08	3773787.64	1.59723	414916.08	3773787.64	1.50480
414966.08	3773787.64	1.41512	415016.08	3773787.64	1.32875
414016.08	3773837.64	2.60443	414066.08	3773837.64	2.62995
414116.08	3773837.64	2.64622	414166.08	3773837.64	2.65460
414216.08	3773837.64	2.65588	414266.08	3773837.64	2.52087
414316.08	3773837.64	2.37533	414366.08	3773837.64	2.40292
414416.08	3773837.64	2.31102	414466.08	3773837.64	2.28496
414516.08	3773837.64	2.24361	414566.08	3773837.64	2.22918
414616.08	3773837.64	2.27930	414666.08	3773837.64	2.18280

414716.08	3773837.64	2.07817	414766.08	3773837.64	1.96805
414816.08	3773837.64	1.85489	414866.08	3773837.64	1.74198
414916.08	3773837.64	1.63074	414966.08	3773837.64	1.52386
415016.08	3773837.64	1.42248	414016.08	3773887.64	2.93311
414066.08	3773887.64	2.96356	414116.08	3773887.64	2.98473
414166.08	3773887.64	2.99560	414216.08	3773887.64	2.99682
414266.08	3773887.64	2.98658	414316.08	3773887.64	2.96672
414366.08	3773887.64	2.93585	414416.08	3773887.64	2.84051
414466.08	3773887.64	2.74445	414516.08	3773887.64	2.52296
414566.08	3773887.64	2.47094	414616.08	3773887.64	2.57143
414666.08	3773887.64	2.45336	414716.08	3773887.64	2.32471
414766.08	3773887.64	2.18868	414816.08	3773887.64	2.04889
414866.08	3773887.64	1.90938	414916.08	3773887.64	1.77456
414966.08	3773887.64	1.64563	415016.08	3773887.64	1.52548
414016.08	3773937.64	3.33442	414066.08	3773937.64	3.36935
414116.08	3773937.64	3.39530	414166.08	3773937.64	3.40927
414216.08	3773937.64	3.41162	414266.08	3773937.64	3.40041
414316.08	3773937.64	3.38142	414666.08	3773937.64	2.79070
414716.08	3773937.64	2.62877	414766.08	3773937.64	2.45619
414816.08	3773937.64	2.27897	414866.08	3773937.64	2.10395
414916.08	3773937.64	1.93472	414966.08	3773937.64	1.78152
415016.08	3773937.64	1.63816	414016.08	3773987.64	3.82762
414066.08	3773987.64	3.86937	414116.08	3773987.64	3.89888
414166.08	3773987.64	3.91578	414216.08	3773987.64	3.92113
414266.08	3773987.64	3.91437	414316.08	3773987.64	3.90398
414666.08	3773987.64	3.22365	414716.08	3773987.64	3.01473
414766.08	3773987.64	2.78933	414816.08	3773987.64	2.55833
414866.08	3773987.64	2.33422	414916.08	3773987.64	2.12418
414966.08	3773987.64	1.93208	415016.08	3773987.64	1.76034
414016.08	3774037.64	4.44823	414066.08	3774037.64	4.50121
414116.08	3774037.64	4.53639	414166.08	3774037.64	4.55779

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE3 ***

INCLUDING SOURCE(S): L0008386 , L0008387 , L0008388 , L0008389 , L0008390 ,
L0008391 , L0008392 , L0008393 , L0008394 , L0008395 , L0008396 , L0008397 , L0008398 ,
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414216.08	3774037.64	4.56617	414266.08	3774037.64	4.56024
414316.08	3774037.64	4.55164	414666.08	3774037.64	3.80773
414716.08	3774037.64	3.52350	414766.08	3774037.64	3.21499
414816.08	3774037.64	2.90177	414866.08	3774037.64	2.60616
414916.08	3774037.64	2.33706	414966.08	3774037.64	2.09960
415016.08	3774037.64	1.89209	414016.08	3774087.64	5.25098

414066.08	3774087.64	5.30960	414116.08	3774087.64	5.35279
414166.08	3774087.64	5.37861	414216.08	3774087.64	5.39249
414266.08	3774087.64	5.39391	414316.08	3774087.64	5.38182
414666.08	3774087.64	4.63949	414716.08	3774087.64	4.23147
414766.08	3774087.64	3.77477	414816.08	3774087.64	3.33221
414866.08	3774087.64	2.92771	414916.08	3774087.64	2.57858
414966.08	3774087.64	2.28124	415016.08	3774087.64	2.03099
414016.08	3774137.64	6.32554	414066.08	3774137.64	6.39395
414116.08	3774137.64	6.44282	414166.08	3774137.64	6.47868
414216.08	3774137.64	6.49965	414266.08	3774137.64	6.50678
414316.08	3774137.64	6.49076	414666.08	3774137.64	5.94564
414716.08	3774137.64	5.28532	414766.08	3774137.64	4.54891
414816.08	3774137.64	3.87222	414866.08	3774137.64	3.30655
414916.08	3774137.64	2.84759	414966.08	3774137.64	2.47644
415016.08	3774137.64	2.17523	414016.08	3774187.64	7.82600
414066.08	3774187.64	7.91304	414116.08	3774187.64	7.96991
414166.08	3774187.64	8.01761	414216.08	3774187.64	8.04784
414266.08	3774187.64	8.06584	414316.08	3774187.64	8.08098
414666.08	3774187.64	8.40072	414716.08	3774187.64	7.02563
414766.08	3774187.64	5.63625	414816.08	3774187.64	4.55101
414866.08	3774187.64	3.74144	414916.08	3774187.64	3.13742
414966.08	3774187.64	2.67748	415016.08	3774187.64	2.31979
414016.08	3774237.64	10.09261	414066.08	3774237.64	10.19235
414116.08	3774237.64	10.26599	414166.08	3774237.64	10.33433
414216.08	3774237.64	10.38198	414266.08	3774237.64	10.41300
414316.08	3774237.64	10.44319	414666.08	3774237.64	15.29751
414716.08	3774237.64	10.24018	414766.08	3774237.64	7.15762
414816.08	3774237.64	5.35878	414866.08	3774237.64	4.21354
414916.08	3774237.64	3.43550	414966.08	3774237.64	2.87732
415016.08	3774237.64	2.46045	414016.08	3774287.64	13.92758
414066.08	3774287.64	14.06282	414116.08	3774287.64	14.18204
414166.08	3774287.64	14.27670	414216.08	3774287.64	14.35553
414266.08	3774287.64	14.41990	414316.08	3774287.64	14.47718
414666.08	3774287.64	50.23097	414716.08	3774287.64	15.33694

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE3 ***

INCLUDING SOURCE(S): L0008386 , L0008387 , L0008388 , L0008389 , L0008390 ,
L0008391 , L0008392 , L0008393 , L0008394 , L0008395 , L0008396 , L0008397 , L0008398 ,
L0008399 , L0008400 , L0008401 , L0008402 , L0008403 , L0008404 , L0008405 , L0008406 ,
L0008407 , L0008408 , L0008409 , L0008410 , L0008411 , L0008412 , L0008413 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414766.08	3774287.64	8.97824	414816.08	3774287.64	6.21539
414866.08	3774287.64	4.68388	414916.08	3774287.64	3.72263
414966.08	3774287.64	3.06661	415016.08	3774287.64	2.59271

414016.08	3774337.64	22.08040	414066.08	3774337.64	22.32786
414116.08	3774337.64	22.55056	414166.08	3774337.64	22.75397
414216.08	3774337.64	22.93803	414266.08	3774337.64	23.11048
414316.08	3774337.64	23.27600	414366.08	3774337.64	23.45024
414416.08	3774337.64	23.67246	414466.08	3774337.64	24.05078
414516.08	3774337.64	24.98066	414566.08	3774337.64	28.23428
414666.08	3774337.64	48.59528	414716.08	3774337.64	19.28613
414766.08	3774337.64	10.42223	414816.08	3774337.64	6.90882
414866.08	3774337.64	5.07231	414916.08	3774337.64	3.96698
414966.08	3774337.64	3.23125	415016.08	3774337.64	2.70972
414016.08	3774387.64	53.30472	414066.08	3774387.64	54.41695
414116.08	3774387.64	55.55329	414166.08	3774387.64	56.69424
414216.08	3774387.64	57.85687	414266.08	3774387.64	59.06144
414316.08	3774387.64	60.32593	414366.08	3774387.64	61.61331
414416.08	3774387.64	62.95046	414466.08	3774387.64	64.48997
414516.08	3774387.64	66.42922	414566.08	3774387.64	69.54121
414616.08	3774387.64	81.76551	414666.08	3774387.64	52.43934
414716.08	3774387.64	19.54035	414766.08	3774387.64	10.74739
414816.08	3774387.64	7.16931	414866.08	3774387.64	5.27444
414916.08	3774387.64	4.11772	414966.08	3774387.64	3.34607
415016.08	3774387.64	2.79824	414016.08	3774437.64	63.44538
414066.08	3774437.64	62.12342	414116.08	3774437.64	60.90829
414166.08	3774437.64	59.59480	414216.08	3774437.64	58.41119
414266.08	3774437.64	57.22815	414316.08	3774437.64	56.04004
414366.08	3774437.64	54.89699	414416.08	3774437.64	53.78001
414466.08	3774437.64	52.72359	414516.08	3774437.64	51.68668
414566.08	3774437.64	50.59255	414616.08	3774437.64	47.99900
414666.08	3774437.64	30.69931	414716.08	3774437.64	15.63413
414766.08	3774437.64	9.84108	414816.08	3774437.64	6.92366
414866.08	3774437.64	5.22262	414916.08	3774437.64	4.13270
414966.08	3774437.64	3.38227	415016.08	3774437.64	2.83903
414016.08	3774487.64	24.27742	414066.08	3774487.64	24.16707
414116.08	3774487.64	24.03209	414166.08	3774487.64	23.85343
414216.08	3774487.64	23.67284	414266.08	3774487.64	23.45611
414316.08	3774487.64	23.21778	414366.08	3774487.64	22.95215
414416.08	3774487.64	22.62420	414466.08	3774487.64	22.27677
414516.08	3774487.64	21.76733	414566.08	3774487.64	20.92522

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE3 ***

INCLUDING SOURCE(S): L0008386 , L0008387 , L0008388 , L0008389 , L0008390 ,
L0008391 , L0008392 , L0008393 , L0008394 , L0008395 , L0008396 , L0008397 , L0008398 ,
L0008399 , L0008400 , L0008401 , L0008402 , L0008403 , L0008404 , L0008405 , L0008406 ,
L0008407 , L0008408 , L0008409 , L0008410 , L0008411 , L0008412 , L0008413 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC

414616.08	3774487.64	19.02809	414666.08	3774487.64	15.28814
414716.08	3774487.64	11.16770	414766.08	3774487.64	8.17964
414816.08	3774487.64	6.23181	414866.08	3774487.64	4.91090
414916.08	3774487.64	3.98778	414966.08	3774487.64	3.31786
415016.08	3774487.64	2.81453	414016.08	3774537.64	15.00632
414066.08	3774537.64	15.01519	414116.08	3774537.64	15.00014
414166.08	3774537.64	14.94263	414216.08	3774537.64	14.86816
414266.08	3774537.64	14.73419	414316.08	3774537.64	14.59191
414366.08	3774537.64	14.41351	414416.08	3774537.64	14.19876
414466.08	3774537.64	13.87922	414516.08	3774537.64	13.43606
414566.08	3774537.64	12.74331	414616.08	3774537.64	11.60878
414666.08	3774537.64	9.98887	414716.08	3774537.64	8.19655
414766.08	3774537.64	6.62762	414816.08	3774537.64	5.38736
414866.08	3774537.64	4.44197	414916.08	3774537.64	3.71978
414966.08	3774537.64	3.16137	415016.08	3774537.64	2.72290
414016.08	3774587.64	10.69258	414066.08	3774587.64	10.73357
414116.08	3774587.64	10.75504	414166.08	3774587.64	10.73545
414216.08	3774587.64	10.69304	414266.08	3774587.64	10.60031
414316.08	3774587.64	10.48993	414366.08	3774587.64	10.34531
414416.08	3774587.64	10.15231	414466.08	3774587.64	9.88254
414516.08	3774587.64	9.50836	414566.08	3774587.64	8.98435
414616.08	3774587.64	8.26165	414666.08	3774587.64	7.35493
414716.08	3774587.64	6.36405	414766.08	3774587.64	5.42995
414816.08	3774587.64	4.61634	414866.08	3774587.64	3.94406
414916.08	3774587.64	3.39506	414966.08	3774587.64	2.94768
415016.08	3774587.64	2.58099	414016.08	3774637.64	8.18296
414066.08	3774637.64	8.22250	414116.08	3774637.64	8.24459
414166.08	3774637.64	8.24290	414216.08	3774637.64	8.21858
414266.08	3774637.64	8.14844	414316.08	3774637.64	8.05628
414366.08	3774637.64	7.92742	414416.08	3774637.64	7.76513
414466.08	3774637.64	7.52993	414516.08	3774637.64	7.23493
414566.08	3774637.64	6.84708	414616.08	3774637.64	6.35604
414666.08	3774637.64	5.77639	414716.08	3774637.64	5.14981
414766.08	3774637.64	4.53717	414816.08	3774637.64	3.97769
414866.08	3774637.64	3.48845	414916.08	3774637.64	3.06951
414966.08	3774637.64	2.71423	415016.08	3774637.64	2.41295
414361.21	3774308.59	17.29323	414586.99	3774306.89	25.32701
414586.99	3774347.63	35.27115	414636.22	3774347.63	44.23832
414629.43	3773930.02	2.83816	414359.51	3773930.02	3.28320
414406.37	3774308.25	17.36242	414451.52	3774307.91	17.53895

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE3 ***

INCLUDING SOURCE(S): L0008386 , L0008387 , L0008388 , L0008389 , L0008390 ,
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414496.68	3774307.57	18.02807	414541.83	3774307.23	19.51765
414635.47	3774301.23	50.32622	414634.71	3774254.83	24.36673
414633.96	3774208.43	10.87497	414633.20	3774162.03	7.28901
414632.45	3774115.62	5.54964	414631.69	3774069.22	4.49311
414630.94	3774022.82	3.77157	414630.18	3773976.42	3.24320
414584.44	3773930.02	2.88380	414539.46	3773930.02	2.85757
414494.47	3773930.02	3.02009	414449.48	3773930.02	3.08224
414404.50	3773930.02	3.24603	414359.72	3773977.34	3.75306
414359.94	3774024.66	4.27942	414360.15	3774071.98	5.05350
414360.36	3774119.31	6.03337	414360.57	3774166.63	7.35456
414360.79	3774213.95	9.20505	414361.00	3774261.27	12.09087
414651.22	3774193.13	9.12050	414651.22	3774219.08	12.17148
414651.87	3774247.64	20.43996	414651.87	3774278.78	31.22434
414651.87	3774298.90	34.17361	414652.52	3774320.31	27.32764
414651.87	3774365.09	47.47707	414653.17	3774345.62	44.17039
414649.27	3774056.86	4.18304	414651.22	3774134.08	5.97491
414650.57	3774166.52	7.34975	414647.97	3774014.03	3.58795
414248.25	3774308.63	17.09655	414246.95	3774293.71	15.08481
414246.30	3774277.48	13.36424	414246.30	3774261.91	12.03576
414246.95	3774244.39	10.81259	414245.65	3774234.01	10.18901
414246.30	3774219.73	9.43379	414245.65	3774206.11	8.80192
414245.00	3774187.94	8.06764	414244.36	3774168.47	7.39186
414244.36	3774156.14	7.01272	414244.36	3774136.02	6.46013
414241.76	3774052.96	4.79209	414242.41	3774036.74	4.54812
414243.06	3774017.27	4.28006	414243.06	3773979.64	3.82766
414239.81	3773932.92	3.36370	414239.16	3773893.33	3.03534
414646.03	3773967.31	3.10281	414647.97	3773917.34	2.69359
414646.03	3773895.93	2.55388	414646.68	3773877.11	2.43608
414646.68	3773841.42	2.23979	414644.73	3773799.89	2.04715
414649.92	3774091.90	4.84035	414651.87	3774207.40	10.53668
414647.28	3773769.60	1.91786	414647.28	3773722.90	1.74891
414588.50	3773543.39	1.32544	414530.55	3773519.46	1.31102
414486.45	3773503.08	1.30002	414427.23	3773494.26	1.30759
414356.68	3773470.32	1.28238	414273.52	3773436.30	1.23374
414053.04	3773606.39	1.63996	414834.19	3774266.59	5.28604

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*** 05/24/21
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE4 ***

INCLUDING SOURCE(S): L0008456 , L0008457 , L0008458 , L0008459 , L0008460 ,
L0008461 , L0008462 , L0008463 , L0008464 , L0008465 , L0008466 , L0008467 , L0008468 ,
L0008469 , L0008470 , L0008471 , L0008472 , L0008473 , L0008474 , L0008475 , L0008476 ,
L0008477 , L0008478 , L0008479 , L0008480 , L0008481 , L0008482 , L0008483 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC

414016.08	3773637.64	0.98989	414066.08	3773637.64	1.03263
414116.08	3773637.64	1.05474	414166.08	3773637.64	1.07961
414216.08	3773637.64	1.11624	414266.08	3773637.64	1.13705
414316.08	3773637.64	1.07429	414366.08	3773637.64	1.08708
414416.08	3773637.64	1.13283	414466.08	3773637.64	1.24406
414516.08	3773637.64	1.26923	414566.08	3773637.64	1.34264
414616.08	3773637.64	1.36685	414666.08	3773637.64	1.36378
414716.08	3773637.64	1.35764	414766.08	3773637.64	1.34468
414816.08	3773637.64	1.32430	414866.08	3773637.64	1.29859
414916.08	3773637.64	1.26840	414966.08	3773637.64	1.23413
415016.08	3773637.64	1.19721	414016.08	3773687.64	1.04975
414066.08	3773687.64	1.09897	414116.08	3773687.64	1.09948
414166.08	3773687.64	1.05638	414216.08	3773687.64	1.08184
414266.08	3773687.64	1.10115	414316.08	3773687.64	1.12832
414366.08	3773687.64	1.16790	414416.08	3773687.64	1.23317
414466.08	3773687.64	1.35541	414516.08	3773687.64	1.38227
414566.08	3773687.64	1.46891	414616.08	3773687.64	1.50465
414666.08	3773687.64	1.50380	414716.08	3773687.64	1.49381
414766.08	3773687.64	1.47771	414816.08	3773687.64	1.45185
414866.08	3773687.64	1.42032	414916.08	3773687.64	1.38305
414966.08	3773687.64	1.34134	415016.08	3773687.64	1.29654
414016.08	3773737.64	1.11394	414066.08	3773737.64	1.17118
414116.08	3773737.64	1.17436	414166.08	3773737.64	1.12614
414216.08	3773737.64	1.12869	414266.08	3773737.64	1.17567
414316.08	3773737.64	1.22001	414366.08	3773737.64	1.28154
414416.08	3773737.64	1.34844	414466.08	3773737.64	1.48634
414516.08	3773737.64	1.52444	414566.08	3773737.64	1.61612
414616.08	3773737.64	1.66921	414666.08	3773737.64	1.66824
414716.08	3773737.64	1.65578	414766.08	3773737.64	1.63400
414816.08	3773737.64	1.60178	414866.08	3773737.64	1.56142
414916.08	3773737.64	1.51456	414966.08	3773737.64	1.46290
415016.08	3773737.64	1.40806	414016.08	3773787.64	1.18239
414066.08	3773787.64	1.24856	414116.08	3773787.64	1.28729
414166.08	3773787.64	1.28364	414216.08	3773787.64	1.27969
414266.08	3773787.64	1.32834	414316.08	3773787.64	1.37547
414366.08	3773787.64	1.43084	414416.08	3773787.64	1.52370
414466.08	3773787.64	1.64216	414516.08	3773787.64	1.69004
414566.08	3773787.64	1.78367	414616.08	3773787.64	1.86705
414666.08	3773787.64	1.86578	414716.08	3773787.64	1.84994
414766.08	3773787.64	1.82071	414816.08	3773787.64	1.77364

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE4 ***

INCLUDING SOURCE(S): L0008456 , L0008457 , L0008458 , L0008459 , L0008460 ,
L0008461 , L0008462 , L0008463 , L0008464 , L0008465 , L0008466 , L0008467 , L0008468 ,
L0008469 , L0008470 , L0008471 , L0008472 , L0008473 , L0008474 , L0008475 , L0008476 ,
L0008477 , L0008478 , L0008479 , L0008480 , L0008481 , L0008482 , L0008483 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414866.08	3773787.64	1.72786	414916.08	3773787.64	1.66878
414966.08	3773787.64	1.60480	415016.08	3773787.64	1.53666
414016.08	3773837.64	1.25745	414066.08	3773837.64	1.33324
414116.08	3773837.64	1.41328	414166.08	3773837.64	1.49786
414216.08	3773837.64	1.58690	414266.08	3773837.64	1.60605
414316.08	3773837.64	1.61391	414366.08	3773837.64	1.72297
414416.08	3773837.64	1.75470	414466.08	3773837.64	1.82796
414516.08	3773837.64	1.88678	414566.08	3773837.64	1.96472
414616.08	3773837.64	2.11019	414666.08	3773837.64	2.10839
414716.08	3773837.64	2.08686	414766.08	3773837.64	2.04738
414816.08	3773837.64	1.99206	414866.08	3773837.64	1.92517
414916.08	3773837.64	1.84842	414966.08	3773837.64	1.76652
415016.08	3773837.64	1.68183	414016.08	3773887.64	1.33611
414066.08	3773887.64	1.42344	414116.08	3773887.64	1.51752
414166.08	3773887.64	1.61768	414216.08	3773887.64	1.72369
414266.08	3773887.64	1.83329	414316.08	3773887.64	1.94573
414366.08	3773887.64	2.05731	414416.08	3773887.64	2.12288
414466.08	3773887.64	2.18242	414516.08	3773887.64	2.12882
414566.08	3773887.64	2.19704	414616.08	3773887.64	2.41328
414666.08	3773887.64	2.41078	414716.08	3773887.64	2.38152
414766.08	3773887.64	2.32764	414816.08	3773887.64	2.25264
414866.08	3773887.64	2.16161	414916.08	3773887.64	2.06192
414966.08	3773887.64	1.95521	415016.08	3773887.64	1.84822
414016.08	3773937.64	1.42066	414066.08	3773937.64	1.52068
414116.08	3773937.64	1.63054	414166.08	3773937.64	1.74915
414216.08	3773937.64	1.87640	414266.08	3773937.64	2.01023
414316.08	3773937.64	2.15266	414666.08	3773937.64	2.79927
414716.08	3773937.64	2.75697	414766.08	3773937.64	2.67920
414816.08	3773937.64	2.57256	414866.08	3773937.64	2.44675
414916.08	3773937.64	2.30735	414966.08	3773937.64	2.17494
415016.08	3773937.64	2.03863	414016.08	3773987.64	1.50923
414066.08	3773987.64	1.62425	414116.08	3773987.64	1.75131
414166.08	3773987.64	1.89103	414216.08	3773987.64	2.04448
414266.08	3773987.64	2.21146	414316.08	3773987.64	2.39783
414666.08	3773987.64	3.31462	414716.08	3773987.64	3.25096
414766.08	3773987.64	3.13392	414816.08	3773987.64	2.97684
414866.08	3773987.64	2.79908	414916.08	3773987.64	2.61356
414966.08	3773987.64	2.42924	415016.08	3773987.64	2.25515
414016.08	3774037.64	1.60185	414066.08	3774037.64	1.73484
414116.08	3774037.64	1.88230	414166.08	3774037.64	2.04725

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE4 ***

INCLUDING SOURCE(S): L0008456 , L0008457 , L0008458 , L0008459 , L0008460 ,
L0008461 , L0008462 , L0008463 , L0008464 , L0008465 , L0008466 , L0008467 , L0008468 ,
L0008469 , L0008470 , L0008471 , L0008472 , L0008473 , L0008474 , L0008475 , L0008476 ,
L0008477 , L0008478 , L0008479 , L0008480 , L0008481 , L0008482 , L0008483 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414216.08	3774037.64	2.23169	414266.08	3774037.64	2.43634
414316.08	3774037.64	2.67414	414666.08	3774037.64	4.03725
414716.08	3774037.64	3.92820	414766.08	3774037.64	3.73858
414816.08	3774037.64	3.49476	414866.08	3774037.64	3.23376
414916.08	3774037.64	2.97314	414966.08	3774037.64	2.72844
415016.08	3774037.64	2.50284	414016.08	3774087.64	1.69807
414066.08	3774087.64	1.84816	414116.08	3774087.64	2.01866
414166.08	3774087.64	2.21174	414216.08	3774087.64	2.43290
414266.08	3774087.64	2.68600	414316.08	3774087.64	2.98426
414666.08	3774087.64	5.11078	414716.08	3774087.64	4.91210
414766.08	3774087.64	4.56709	414816.08	3774087.64	4.17388
414866.08	3774087.64	3.77278	414916.08	3774087.64	3.40411
414966.08	3774087.64	3.07167	415016.08	3774087.64	2.78009
414016.08	3774137.64	1.79680	414066.08	3774137.64	1.96644
414116.08	3774137.64	2.16101	414166.08	3774137.64	2.38720
414216.08	3774137.64	2.65056	414266.08	3774137.64	2.95889
414316.08	3774137.64	3.33052	414666.08	3774137.64	6.88067
414716.08	3774137.64	6.44413	414766.08	3774137.64	5.76647
414816.08	3774137.64	5.06619	414866.08	3774137.64	4.44444
414916.08	3774137.64	3.91613	414966.08	3774137.64	3.46976
415016.08	3774137.64	3.09257	414016.08	3774187.64	1.89483
414066.08	3774187.64	2.08648	414116.08	3774187.64	2.30692
414166.08	3774187.64	2.56845	414216.08	3774187.64	2.87830
414266.08	3774187.64	3.25070	414316.08	3774187.64	3.71000
414666.08	3774187.64	10.40917	414716.08	3774187.64	9.09853
414766.08	3774187.64	7.52835	414816.08	3774187.64	6.25310
414866.08	3774187.64	5.27004	414916.08	3774187.64	4.51311
414966.08	3774187.64	3.91606	415016.08	3774187.64	3.43411
414016.08	3774237.64	1.99283	414066.08	3774237.64	2.20422
414116.08	3774237.64	2.45251	414166.08	3774237.64	2.75132
414216.08	3774237.64	3.11149	414266.08	3774237.64	3.55201
414316.08	3774237.64	4.10694	414666.08	3774237.64	21.15694
414716.08	3774237.64	14.25702	414766.08	3774237.64	10.12653
414816.08	3774237.64	7.76856	414866.08	3774237.64	6.24796
414916.08	3774237.64	5.19245	414966.08	3774237.64	4.40856
415016.08	3774237.64	3.80419	414016.08	3774287.64	2.08681
414066.08	3774287.64	2.31928	414116.08	3774287.64	2.59714
414166.08	3774287.64	2.93146	414216.08	3774287.64	3.34165
414266.08	3774287.64	3.85373	414316.08	3774287.64	4.50972
414666.08	3774287.64	52.18871	414716.08	3774287.64	22.79354

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE4 ***

INCLUDING SOURCE(S): L0008456 , L0008457 , L0008458 , L0008459 , L0008460 ,
L0008461 , L0008462 , L0008463 , L0008464 , L0008465 , L0008466 , L0008467 , L0008468 ,
L0008469 , L0008470 , L0008471 , L0008472 , L0008473 , L0008474 , L0008475 , L0008476 ,
L0008477 , L0008478 , L0008479 , L0008480 , L0008481 , L0008482 , L0008483 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414766.08	3774287.64	13.47890	414816.08	3774287.64	9.56374
414866.08	3774287.64	7.35445	414916.08	3774287.64	5.93934
414966.08	3774287.64	4.94090	415016.08	3774287.64	4.19871
414016.08	3774337.64	2.17533	414066.08	3774337.64	2.42872
414116.08	3774337.64	2.73256	414166.08	3774337.64	3.10276
414216.08	3774337.64	3.56176	414266.08	3774337.64	4.14171
414316.08	3774337.64	4.89820	414366.08	3774337.64	5.92290
414416.08	3774337.64	7.38949	414466.08	3774337.64	9.66435
414516.08	3774337.64	13.69892	414566.08	3774337.64	22.79978
414666.08	3774337.64	75.48388	414716.08	3774337.64	30.12654
414766.08	3774337.64	16.74542	414816.08	3774337.64	11.38718
414866.08	3774337.64	8.49330	414916.08	3774337.64	6.71316
414966.08	3774337.64	5.49096	415016.08	3774337.64	4.60543
414016.08	3774387.64	2.25730	414066.08	3774387.64	2.52937
414116.08	3774387.64	2.85768	414166.08	3774387.64	3.26037
414216.08	3774387.64	3.76269	414266.08	3774387.64	4.40474
414316.08	3774387.64	5.24987	414366.08	3774387.64	6.40632
414416.08	3774387.64	8.07714	414466.08	3774387.64	10.68901
414516.08	3774387.64	15.30222	414566.08	3774387.64	25.38883
414616.08	3774387.64	61.20216	414666.08	3774387.64	84.97150
414716.08	3774387.64	34.23746	414766.08	3774387.64	19.16472
414816.08	3774387.64	12.89992	414866.08	3774387.64	9.52531
414916.08	3774387.64	7.43200	414966.08	3774387.64	6.01650
415016.08	3774387.64	4.99996	414016.08	3774437.64	2.32888
414066.08	3774437.64	2.61772	414116.08	3774437.64	2.96692
414166.08	3774437.64	3.39879	414216.08	3774437.64	3.93918
414266.08	3774437.64	4.63376	414316.08	3774437.64	5.55240
414366.08	3774437.64	6.81238	414416.08	3774437.64	8.63202
414466.08	3774437.64	11.45770	414516.08	3774437.64	16.36139
414566.08	3774437.64	26.72550	414616.08	3774437.64	61.64337
414666.08	3774437.64	61.72444	414716.08	3774437.64	36.72201
414766.08	3774437.64	20.83955	414816.08	3774437.64	14.07703
414866.08	3774437.64	10.36632	414916.08	3774437.64	8.05270
414966.08	3774437.64	6.48329	415016.08	3774437.64	5.35744
414016.08	3774487.64	2.38908	414066.08	3774487.64	2.69163
414116.08	3774487.64	3.05889	414166.08	3774487.64	3.51425
414216.08	3774487.64	4.08573	414266.08	3774487.64	4.82181
414316.08	3774487.64	5.79516	414366.08	3774487.64	7.12899
414416.08	3774487.64	9.04667	414466.08	3774487.64	11.99447
414516.08	3774487.64	17.02334	414566.08	3774487.64	27.39780

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE4 ***

INCLUDING SOURCE(S): L0008456 , L0008457 , L0008458 , L0008459 , L0008460 , L0008461 , L0008462 , L0008463 , L0008464 , L0008465 , L0008466 , L0008467 , L0008468 ,

L0008469 , L0008470 , L0008471 , L0008472 , L0008473 , L0008474 , L0008475 , L0008476 ,
L0008477 , L0008478 , L0008479 , L0008480 , L0008481 , L0008482 , L0008483 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414616.08	3774487.64	61.20213	414666.08	3774487.64	65.48489
414716.08	3774487.64	38.57730	414766.08	3774487.64	21.90984
414816.08	3774487.64	14.90453	414866.08	3774487.64	10.99606
414916.08	3774487.64	8.53629	414966.08	3774487.64	6.86104
415016.08	3774487.64	5.65521	414016.08	3774537.64	2.43658
414066.08	3774537.64	2.74988	414116.08	3774537.64	3.13101
414166.08	3774537.64	3.60360	414216.08	3774537.64	4.19791
414266.08	3774537.64	4.96520	414316.08	3774537.64	5.97696
414366.08	3774537.64	7.35929	414416.08	3774537.64	9.33485
414466.08	3774537.64	12.34327	414516.08	3774537.64	17.40968
414566.08	3774537.64	27.68882	414616.08	3774537.64	60.36722
414666.08	3774537.64	94.64737	414716.08	3774537.64	39.79401
414766.08	3774537.64	22.70947	414816.08	3774537.64	15.50809
414866.08	3774537.64	11.45763	414916.08	3774537.64	8.90092
414966.08	3774537.64	7.14955	415016.08	3774537.64	5.88691
414016.08	3774587.64	2.47098	414066.08	3774587.64	2.79181
414116.08	3774587.64	3.18216	414166.08	3774587.64	3.66646
414216.08	3774587.64	4.27588	414266.08	3774587.64	5.06219
414316.08	3774587.64	6.09729	414366.08	3774587.64	7.50707
414416.08	3774587.64	9.51218	414466.08	3774587.64	12.54430
414516.08	3774587.64	17.60180	414566.08	3774587.64	27.73886
414616.08	3774587.64	59.31849	414666.08	3774587.64	67.70514
414716.08	3774587.64	40.78966	414766.08	3774587.64	23.29635
414816.08	3774587.64	15.91839	414866.08	3774587.64	11.78714
414916.08	3774587.64	9.16202	414966.08	3774587.64	7.35811
415016.08	3774587.64	6.05528	414016.08	3774637.64	2.49056
414066.08	3774637.64	2.81603	414116.08	3774637.64	3.21235
414166.08	3774637.64	3.70264	414216.08	3774637.64	4.31939
414266.08	3774637.64	5.11377	414316.08	3774637.64	6.15852
414366.08	3774637.64	7.57747	414416.08	3774637.64	9.59041
414466.08	3774637.64	12.60929	414516.08	3774637.64	17.62967
414566.08	3774637.64	27.60456	414616.08	3774637.64	58.13186
414666.08	3774637.64	67.89052	414716.08	3774637.64	41.68279
414766.08	3774637.64	23.76056	414816.08	3774637.64	16.21859
414866.08	3774637.64	12.01006	414916.08	3774637.64	9.33473
414966.08	3774637.64	7.49452	415016.08	3774637.64	6.16528
414361.21	3774308.59	5.50781	414586.99	3774306.89	27.36273
414586.99	3774347.63	31.87391	414636.22	3774347.63	55.73324
414629.43	3773930.02	2.73742	414359.51	3773930.02	2.23826
414406.37	3774308.25	6.63439	414451.52	3774307.91	8.25554

*** AERMOD - VERSION 19191 *** *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc
*** 05/24/21
*** AERMET - VERSION 16216 *** *** *** 12:11:05

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:

SLINE4 ***
INCLUDING SOURCE(S): L0008456 , L0008457 , L0008458 , L0008459 , L0008460 ,
L0008461 , L0008462 , L0008463 , L0008464 , L0008465 , L0008466 , L0008467 , L0008468 ,
L0008469 , L0008470 , L0008471 , L0008472 , L0008473 , L0008474 , L0008475 , L0008476 ,
L0008477 , L0008478 , L0008479 , L0008480 , L0008481 , L0008482 , L0008483 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414496.68	3774307.57	10.81435	414541.83	3774307.23	15.52605
414635.47	3774301.23	68.11194	414634.71	3774254.83	33.47025
414633.96	3774208.43	13.31380	414633.20	3774162.03	8.28572
414632.45	3774115.62	5.99381	414631.69	3774069.22	4.67019
414630.94	3774022.82	3.80359	414630.18	3773976.42	3.19161
414584.44	3773930.02	2.64305	414539.46	3773930.02	2.48572
414494.47	3773930.02	2.48470	414449.48	3773930.02	2.38946
414404.50	3773930.02	2.36235	414359.72	3773977.34	2.49540
414359.94	3774024.66	2.75814	414360.15	3774071.98	3.12463
414360.36	3774119.31	3.53109	414360.57	3774166.63	3.99357
414360.79	3774213.95	4.48507	414361.00	3774261.27	4.99781
414651.22	3774193.13	11.18407	414651.22	3774219.08	15.73700
414651.87	3774247.64	28.84936	414651.87	3774278.78	46.62798
414651.87	3774298.90	51.17495	414652.52	3774320.31	63.92765
414651.87	3774365.09	64.54172	414653.17	3774345.62	61.97405
414649.27	3774056.86	4.40733	414651.22	3774134.08	6.75389
414650.57	3774166.52	8.63805	414647.97	3774014.03	3.67252
414248.25	3774308.63	3.76789	414246.95	3774293.71	3.67479
414246.30	3774277.48	3.58131	414246.30	3774261.91	3.49736
414246.95	3774244.39	3.40846	414245.65	3774234.01	3.33979
414246.30	3774219.73	3.26766	414245.65	3774206.11	3.18834
414245.00	3774187.94	3.08536	414244.36	3774168.47	2.97731
414244.36	3774156.14	2.91283	414244.36	3774136.02	2.80907
414241.76	3774052.96	2.39883	414242.41	3774036.74	2.33105
414243.06	3774017.27	2.25138	414243.06	3773979.64	2.10100
414239.81	3773932.92	1.92204	414239.16	3773893.33	1.79081
414646.03	3773967.31	3.09277	414647.97	3773917.34	2.63295
414646.03	3773895.93	2.47195	414646.68	3773877.11	2.34401
414646.68	3773841.42	2.13111	414644.73	3773799.89	1.92281
414649.92	3774091.90	5.24456	414651.87	3774207.40	13.28894
414647.28	3773769.60	1.79181	414647.28	3773722.90	1.61780
414588.50	3773543.39	1.15580	414530.55	3773519.46	1.10510
414486.45	3773503.08	1.06877	414427.23	3773494.26	1.03952
414356.68	3773470.32	0.98193	414273.52	3773436.30	0.90771
414053.04	3773606.39	0.98360	414834.19	3774266.59	7.99092

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:
SLINE5 ***
INCLUDING SOURCE(S): L0008501 , L0008502 , L0008503 , L0008504 , L0008505 ,

L0008506 , L0008507 , L0008508 , L0008509 , L0008510 , L0008511 , L0008512 , L0008513 ,
L0008514 , L0008515 , L0008516 , L0008517 , L0008518 , L0008519 , L0008520 , L0008521 ,
L0008522 , L0008523 , L0008524 , L0008525 , L0008526 , L0008527 , L0008528 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414016.08	3773637.64	2.68319	414066.08	3773637.64	2.95456
414116.08	3773637.64	3.13067	414166.08	3773637.64	3.33479
414216.08	3773637.64	3.61874	414266.08	3773637.64	3.82088
414316.08	3773637.64	3.70282	414366.08	3773637.64	3.87318
414416.08	3773637.64	4.08158	414466.08	3773637.64	4.52307
414516.08	3773637.64	4.55652	414566.08	3773637.64	4.87000
414616.08	3773637.64	4.80025	414666.08	3773637.64	4.49868
414716.08	3773637.64	4.18049	414766.08	3773637.64	3.84455
414816.08	3773637.64	3.50840	414866.08	3773637.64	3.19168
414916.08	3773637.64	2.90078	414966.08	3773637.64	2.63675
415016.08	3773637.64	2.40067	414016.08	3773687.64	2.93515
414066.08	3773687.64	3.27071	414116.08	3773687.64	3.35505
414166.08	3773687.64	3.35121	414216.08	3773687.64	3.66760
414266.08	3773687.64	3.99215	414316.08	3773687.64	4.33645
414366.08	3773687.64	4.67076	414416.08	3773687.64	4.99920
414466.08	3773687.64	5.52529	414516.08	3773687.64	5.54121
414566.08	3773687.64	5.91127	414616.08	3773687.64	5.84913
414666.08	3773687.64	5.41428	414716.08	3773687.64	4.93022
414766.08	3773687.64	4.45611	414816.08	3773687.64	3.99727
414866.08	3773687.64	3.58352	414916.08	3773687.64	3.21418
414966.08	3773687.64	2.88884	415016.08	3773687.64	2.60429
414016.08	3773737.64	3.20442	414066.08	3773737.64	3.62060
414116.08	3773737.64	3.75093	414166.08	3773737.64	3.79564
414216.08	3773737.64	4.17719	414266.08	3773737.64	4.72537
414316.08	3773737.64	5.29061	414366.08	3773737.64	5.85549
414416.08	3773737.64	6.32878	414466.08	3773737.64	6.99298
414516.08	3773737.64	7.03842	414566.08	3773737.64	7.37688
414616.08	3773737.64	7.34104	414666.08	3773737.64	6.64388
414716.08	3773737.64	5.90437	414766.08	3773737.64	5.20811
414816.08	3773737.64	4.57801	414866.08	3773737.64	4.03008
414916.08	3773737.64	3.56048	414966.08	3773737.64	3.16025
415016.08	3773737.64	2.81923	414016.08	3773787.64	3.48391
414066.08	3773787.64	3.99292	414116.08	3773787.64	4.38832
414166.08	3773787.64	4.61897	414216.08	3773787.64	5.06703
414266.08	3773787.64	5.86327	414316.08	3773787.64	6.76016
414366.08	3773787.64	7.68027	414416.08	3773787.64	8.54644
414466.08	3773787.64	9.30566	414516.08	3773787.64	9.35712
414566.08	3773787.64	9.51729	414616.08	3773787.64	9.57865
414666.08	3773787.64	8.37198	414716.08	3773787.64	7.18259
414766.08	3773787.64	6.13682	414816.08	3773787.64	5.23177

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE5 ***

INCLUDING SOURCE(S): L0008501 , L0008502 , L0008503 , L0008504 , L0008505 , L0008506 , L0008507 , L0008508 , L0008509 , L0008510 , L0008511 , L0008512 , L0008513 , L0008514 , L0008515 , L0008516 , L0008517 , L0008518 , L0008519 , L0008520 , L0008521 , L0008522 , L0008523 , L0008524 , L0008525 , L0008526 , L0008527 , L0008528 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414866.08	3773787.64	4.53720	414916.08	3773787.64	3.94382
414966.08	3773787.64	3.45533	415016.08	3773787.64	3.04798
414016.08	3773837.64	3.77617	414066.08	3773837.64	4.38745
414116.08	3773837.64	5.15628	414166.08	3773837.64	6.14420
414216.08	3773837.64	7.44044	414266.08	3773837.64	8.13827
414316.08	3773837.64	9.25115	414366.08	3773837.64	11.35402
414416.08	3773837.64	12.57943	414466.08	3773837.64	13.36042
414516.08	3773837.64	13.40177	414566.08	3773837.64	12.98182
414616.08	3773837.64	13.29965	414666.08	3773837.64	10.93503
414716.08	3773837.64	8.87934	414766.08	3773837.64	7.27556
414816.08	3773837.64	6.04570	414866.08	3773837.64	5.09875
414916.08	3773837.64	4.35304	414966.08	3773837.64	3.76022
415016.08	3773837.64	3.28089	414016.08	3773887.64	4.05224
414066.08	3773887.64	4.77361	414116.08	3773887.64	5.71797
414166.08	3773887.64	6.98523	414216.08	3773887.64	8.75393
414266.08	3773887.64	11.32360	414316.08	3773887.64	15.29806
414366.08	3773887.64	21.19853	414416.08	3773887.64	23.85282
414466.08	3773887.64	23.84259	414516.08	3773887.64	22.16104
414566.08	3773887.64	21.24722	414616.08	3773887.64	20.67622
414666.08	3773887.64	14.89628	414716.08	3773887.64	11.10084
414766.08	3773887.64	8.63258	414816.08	3773887.64	6.93110
414866.08	3773887.64	5.70085	414916.08	3773887.64	4.78332
414966.08	3773887.64	4.07298	415016.08	3773887.64	3.51523
414016.08	3773937.64	4.30801	414066.08	3773937.64	5.13496
414116.08	3773937.64	6.25427	414166.08	3773937.64	7.81777
414216.08	3773937.64	10.13080	414266.08	3773937.64	13.85433
414316.08	3773937.64	21.24574	414666.08	3773937.64	20.72986
414716.08	3773937.64	13.75328	414766.08	3773937.64	10.11332
414816.08	3773937.64	7.84773	414866.08	3773937.64	6.30748
414916.08	3773937.64	5.19187	414966.08	3773937.64	4.37860
415016.08	3773937.64	3.74163	414016.08	3773987.64	4.51722
414066.08	3773987.64	5.43873	414116.08	3773987.64	6.70569
414166.08	3773987.64	8.52754	414216.08	3773987.64	11.33708
414266.08	3773987.64	16.18473	414316.08	3773987.64	27.27187
414666.08	3773987.64	26.10382	414716.08	3773987.64	16.23274
414766.08	3773987.64	11.50270	414816.08	3773987.64	8.70473
414866.08	3773987.64	6.87441	414916.08	3773987.64	5.59358
414966.08	3773987.64	4.65476	415016.08	3773987.64	3.94651
414016.08	3774037.64	4.66606	414066.08	3774037.64	5.66326
414116.08	3774037.64	7.04437	414166.08	3774037.64	9.06300

*** AERMOD - VERSION 19191 *** *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc *** 05/24/21

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE5 ***

INCLUDING SOURCE(S): L0008501 , L0008502 , L0008503 , L0008504 , L0008505 ,
L0008506 , L0008507 , L0008508 , L0008509 , L0008510 , L0008511 , L0008512 , L0008513 ,
L0008514 , L0008515 , L0008516 , L0008517 , L0008518 , L0008519 , L0008520 , L0008521 ,
L0008522 , L0008523 , L0008524 , L0008525 , L0008526 , L0008527 , L0008528 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414216.08	3774037.64	12.22581	414266.08	3774037.64	17.72654
414316.08	3774037.64	29.99913	414666.08	3774037.64	28.86593
414716.08	3774037.64	17.88193	414766.08	3774037.64	12.52492
414816.08	3774037.64	9.36350	414866.08	3774037.64	7.32024
414916.08	3774037.64	5.90523	414966.08	3774037.64	4.88314
415016.08	3774037.64	4.11620	414016.08	3774087.64	4.74328
414066.08	3774087.64	5.76925	414116.08	3774087.64	7.20684
414166.08	3774087.64	9.31357	414216.08	3774087.64	12.63613
414266.08	3774087.64	18.44021	414316.08	3774087.64	30.81022
414666.08	3774087.64	29.75125	414716.08	3774087.64	18.62617
414766.08	3774087.64	13.03087	414816.08	3774087.64	9.73947
414866.08	3774087.64	7.58697	414916.08	3774087.64	6.10521
414966.08	3774087.64	5.03301	415016.08	3774087.64	4.23250
414016.08	3774137.64	4.74182	414066.08	3774137.64	5.76488
414116.08	3774137.64	7.19296	414166.08	3774137.64	9.29780
414216.08	3774137.64	12.61075	414266.08	3774137.64	18.39835
414316.08	3774137.64	30.56587	414666.08	3774137.64	29.39249
414716.08	3774137.64	18.53949	414766.08	3774137.64	13.06135
414816.08	3774137.64	9.78708	414866.08	3774137.64	7.65183
414916.08	3774137.64	6.17006	414966.08	3774137.64	5.09358
415016.08	3774137.64	4.28547	414016.08	3774187.64	4.65638
414066.08	3774187.64	5.64321	414116.08	3774187.64	7.00343
414166.08	3774187.64	8.99842	414216.08	3774187.64	12.11757
414266.08	3774187.64	17.58959	414316.08	3774187.64	29.72645
414666.08	3774187.64	27.84626	414716.08	3774187.64	17.69011
414766.08	3774187.64	12.59211	414816.08	3774187.64	9.53513
414866.08	3774187.64	7.51181	414916.08	3774187.64	6.09287
414966.08	3774187.64	5.05331	415016.08	3774187.64	4.26719
414016.08	3774237.64	4.50165	414066.08	3774237.64	5.41159
414116.08	3774237.64	6.65410	414166.08	3774237.64	8.44587
414216.08	3774237.64	11.19488	414266.08	3774237.64	15.93157
414316.08	3774237.64	26.50645	414666.08	3774237.64	24.72961
414716.08	3774237.64	16.08978	414766.08	3774237.64	11.69297
414816.08	3774237.64	8.99711	414866.08	3774237.64	7.17935
414916.08	3774237.64	5.88251	414966.08	3774237.64	4.91758
415016.08	3774237.64	4.17831	414016.08	3774287.64	4.28537
414066.08	3774287.64	5.09889	414116.08	3774287.64	6.18981
414166.08	3774287.64	7.70602	414216.08	3774287.64	9.94056
414266.08	3774287.64	13.55763	414316.08	3774287.64	20.70470
414666.08	3774287.64	19.75946	414716.08	3774287.64	13.81130

*** AERMOD - VERSION 19191 *** *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc
*** 05/24/21
*** AERMET - VERSION 16216 *** *** *** 12:11:05

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE5 ***

INCLUDING SOURCE(S): L0008501 , L0008502 , L0008503 , L0008504 , L0008505 ,
L0008506 , L0008507 , L0008508 , L0008509 , L0008510 , L0008511 , L0008512 , L0008513 ,
L0008514 , L0008515 , L0008516 , L0008517 , L0008518 , L0008519 , L0008520 , L0008521 ,
L0008522 , L0008523 , L0008524 , L0008525 , L0008526 , L0008527 , L0008528 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414766.08	3774287.64	10.42689	414816.08	3774287.64	8.23731
414866.08	3774287.64	6.68927	414916.08	3774287.64	5.55975
414966.08	3774287.64	4.69801	415016.08	3774287.64	4.02488
414016.08	3774337.64	4.02647	414066.08	3774337.64	4.73182
414116.08	3774337.64	5.64743	414166.08	3774337.64	6.86966
414216.08	3774337.64	8.55883	414266.08	3774337.64	11.00528
414316.08	3774337.64	14.73580	414366.08	3774337.64	20.08205
414416.08	3774337.64	25.01378	414466.08	3774337.64	29.63416
414516.08	3774337.64	29.20883	414566.08	3774337.64	24.54600
414666.08	3774337.64	14.66106	414716.08	3774337.64	11.30725
414766.08	3774337.64	8.98970	414816.08	3774337.64	7.33152
414866.08	3774337.64	6.09098	414916.08	3774337.64	5.15090
414966.08	3774337.64	4.41042	415016.08	3774337.64	3.81949
414016.08	3774387.64	3.74389	414066.08	3774387.64	4.33836
414116.08	3774387.64	5.08372	414166.08	3774387.64	6.03149
414216.08	3774387.64	7.25235	414266.08	3774387.64	8.83181
414316.08	3774387.64	10.81993	414366.08	3774387.64	13.06552
414416.08	3774387.64	15.11959	414466.08	3774387.64	16.44338
414516.08	3774387.64	16.39965	414566.08	3774387.64	15.05295
414616.08	3774387.64	13.03709	414666.08	3774387.64	10.92434
414716.08	3774387.64	9.07710	414766.08	3774387.64	7.58092
414816.08	3774387.64	6.39262	414866.08	3774387.64	5.44900
414916.08	3774387.64	4.69208	414966.08	3774387.64	4.07816
415016.08	3774387.64	3.57450	414016.08	3774437.64	3.45247
414066.08	3774437.64	3.94313	414116.08	3774437.64	4.53793
414166.08	3774437.64	5.25534	414216.08	3774437.64	6.12398
414266.08	3774437.64	7.14905	414316.08	3774437.64	8.29769
414366.08	3774437.64	9.46230	414416.08	3774437.64	10.44576
414466.08	3774437.64	11.02045	414516.08	3774437.64	11.01737
414566.08	3774437.64	10.44073	414616.08	3774437.64	9.49155
414666.08	3774437.64	8.39267	414716.08	3774437.64	7.31535
414766.08	3774437.64	6.34696	414816.08	3774437.64	5.51691
414866.08	3774437.64	4.81538	414916.08	3774437.64	4.22469
414966.08	3774437.64	3.72769	415016.08	3774437.64	3.30802
414016.08	3774487.64	3.16603	414066.08	3774487.64	3.56623
414116.08	3774487.64	4.03468	414166.08	3774487.64	4.57456
414216.08	3774487.64	5.19358	414266.08	3774487.64	5.87585

414316.08	3774487.64	6.58776	414366.08	3774487.64	7.26014
414416.08	3774487.64	7.78903	414466.08	3774487.64	8.09145
414516.08	3774487.64	8.08609	414566.08	3774487.64	7.79621

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE5 ***

INCLUDING SOURCE(S): L0008501 , L0008502 , L0008503 , L0008504 , L0008505 , L0008506 , L0008507 , L0008508 , L0008509 , L0008510 , L0008511 , L0008512 , L0008513 , L0008514 , L0008515 , L0008516 , L0008517 , L0008518 , L0008519 , L0008520 , L0008521 , L0008522 , L0008523 , L0008524 , L0008525 , L0008526 , L0008527 , L0008528 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414616.08	3774487.64	7.27904	414666.08	3774487.64	6.64162
414716.08	3774487.64	5.97085	414766.08	3774487.64	5.33967
414816.08	3774487.64	4.75185	414866.08	3774487.64	4.23337
414916.08	3774487.64	3.77830	414966.08	3774487.64	3.38166
415016.08	3774487.64	3.03731	414016.08	3774537.64	2.89399
414066.08	3774537.64	3.21806	414116.08	3774537.64	3.58533
414166.08	3774537.64	3.99373	414216.08	3774537.64	4.44073
414266.08	3774537.64	4.90512	414316.08	3774537.64	5.36738
414366.08	3774537.64	5.78263	414416.08	3774537.64	6.10335
414466.08	3774537.64	6.27187	414516.08	3774537.64	6.27127
414566.08	3774537.64	6.10337	414616.08	3774537.64	5.79626
414666.08	3774537.64	5.40089	414716.08	3774537.64	4.96359
414766.08	3774537.64	4.53051	414816.08	3774537.64	4.10728
414866.08	3774537.64	3.72248	414916.08	3774537.64	3.37140
414966.08	3774537.64	3.05679	415016.08	3774537.64	2.77620
414016.08	3774587.64	2.64070	414066.08	3774587.64	2.90229
414116.08	3774587.64	3.19109	414166.08	3774587.64	3.50167
414216.08	3774587.64	3.82925	414266.08	3774587.64	4.15602
414316.08	3774587.64	4.46902	414366.08	3774587.64	4.74127
414416.08	3774587.64	4.94425	414466.08	3774587.64	5.05114
414516.08	3774587.64	5.05032	414566.08	3774587.64	4.94484
414616.08	3774587.64	4.74954	414666.08	3774587.64	4.49034
414716.08	3774587.64	4.19254	414766.08	3774587.64	3.88481
414816.08	3774587.64	3.57644	414866.08	3774587.64	3.28417
414916.08	3774587.64	3.01129	414966.08	3774587.64	2.76098
415016.08	3774587.64	2.53276	414016.08	3774637.64	2.40985
414066.08	3774637.64	2.62013	414116.08	3774637.64	2.84669
414166.08	3774637.64	3.08529	414216.08	3774637.64	3.32995
414266.08	3774637.64	3.56587	414316.08	3774637.64	3.78517
414366.08	3774637.64	3.96990	414416.08	3774637.64	4.10729
414466.08	3774637.64	4.17478	414516.08	3774637.64	4.17695
414566.08	3774637.64	4.10870	414616.08	3774637.64	3.97853
414666.08	3774637.64	3.80067	414716.08	3774637.64	3.59012
414766.08	3774637.64	3.36457	414816.08	3774637.64	3.13536

414866.08	3774637.64	2.91125	414916.08	3774637.64	2.69698
414966.08	3774637.64	2.49667	415016.08	3774637.64	2.31027
414361.21	3774308.59	28.45119	414586.99	3774306.89	34.49075
414586.99	3774347.63	20.25671	414636.22	3774347.63	16.05973
414629.43	3773930.02	29.89058	414359.51	3773930.02	34.46107
414406.37	3774308.25	36.04937	414451.52	3774307.91	50.22306

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*** AERMET - VERSION 16216 *** *** *** 12:11:05

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE5 ***

INCLUDING SOURCE(S): L0008501 , L0008502 , L0008503 , L0008504 , L0008505 , L0008506 , L0008507 , L0008508 , L0008509 , L0008510 , L0008511 , L0008512 , L0008513 , L0008514 , L0008515 , L0008516 , L0008517 , L0008518 , L0008519 , L0008520 , L0008521 , L0008522 , L0008523 , L0008524 , L0008525 , L0008526 , L0008527 , L0008528 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
414496.68	3774307.57	56.49444	414541.83	3774307.23	42.67020
414635.47	3774301.23	23.65655	414634.71	3774254.83	34.25541
414633.96	3774208.43	41.14363	414633.20	3774162.03	44.82600
414632.45	3774115.62	46.83946	414631.69	3774069.22	47.72838
414630.94	3774022.82	47.32338	414630.18	3773976.42	43.83138
414584.44	3773930.02	49.74088	414539.46	3773930.02	54.02695
414494.47	3773930.02	41.71702	414449.48	3773930.02	53.28764
414404.50	3773930.02	59.55842	414359.72	3773977.34	59.17997
414359.94	3774024.66	58.50782	414360.15	3774071.98	64.44603
414360.36	3774119.31	68.72252	414360.57	3774166.63	73.05411
414360.79	3774213.95	70.34648	414361.00	3774261.27	61.58978
414651.22	3774193.13	32.92906	414651.22	3774219.08	31.09301
414651.87	3774247.64	27.95717	414651.87	3774278.78	23.73077
414651.87	3774298.90	20.76955	414652.52	3774320.31	17.79444
414651.87	3774365.09	13.22891	414653.17	3774345.62	14.92301
414649.27	3774056.86	36.09412	414651.22	3774134.08	35.13805
414650.57	3774166.52	34.49453	414647.97	3774014.03	35.22861
414248.25	3774308.63	11.17890	414246.95	3774293.71	11.69011
414246.30	3774277.48	12.27539	414246.30	3774261.91	12.85786
414246.95	3774244.39	13.53357	414245.65	3774234.01	13.73827
414246.30	3774219.73	14.22349	414245.65	3774206.11	14.50874
414245.00	3774187.94	14.83344	414244.36	3774168.47	15.09021
414244.36	3774156.14	15.24960	414244.36	3774136.02	15.42526
414241.76	3774052.96	14.81726	414242.41	3774036.74	14.64261
414243.06	3774017.27	14.32593	414243.06	3773979.64	13.31655
414239.81	3773932.92	11.46739	414239.16	3773893.33	10.00161
414646.03	3773967.31	31.55512	414647.97	3773917.34	21.35090
414646.03	3773895.93	18.12319	414646.68	3773877.11	15.54954
414646.68	3773841.42	12.11270	414644.73	3773799.89	9.50860
414649.92	3774091.90	36.13579	414651.87	3774207.40	31.73407
414647.28	3773769.60	8.05009	414647.28	3773722.90	6.47131

414588.50	3773543.39	3.55185	414530.55	3773519.46	3.38211
414486.45	3773503.08	3.23852	414427.23	3773494.26	3.13215
414356.68	3773470.32	2.84647	414273.52	3773436.30	2.47149
414053.04	3773606.39	2.70996	414834.19	3774266.59	7.90584

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*** AERMET - VERSION 16216 *** *** *** 12:11:05
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA1 ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
414016.08	3773637.64	1807.02157	(15061806)	414066.08	3773637.64	1758.49347	(15061806)
414116.08	3773637.64	1862.67624	(12100807)	414166.08	3773637.64	2015.57676	(12100807)
414216.08	3773637.64	1972.88752	(12100807)	414266.08	3773637.64	1969.10729	(12101107)
414316.08	3773637.64	1816.98884	(16050906)	414366.08	3773637.64	1712.51261	(16050906)
414416.08	3773637.64	1933.79232	(14053006)	414466.08	3773637.64	2046.19608	(14053006)
414516.08	3773637.64	2076.79340	(13062606)	414566.08	3773637.64	2095.88499	(13062606)
414616.08	3773637.64	2121.09735	(15061606)	414666.08	3773637.64	1986.11217	(15060806)
414716.08	3773637.64	1956.23892	(15060806)	414766.08	3773637.64	1865.39300	(14070506)
414816.08	3773637.64	1646.30155	(14070506)	414866.08	3773637.64	1601.31177	(14092407)
414916.08	3773637.64	1508.44916	(14092407)	414966.08	3773637.64	1396.90781	(12071806)
415016.08	3773637.64	1366.16209	(14053106)	414016.08	3773687.64	1976.07466	(15061806)
414066.08	3773687.64	2031.98625	(15061806)	414116.08	3773687.64	1900.20326	(15071406)
414166.08	3773687.64	2000.49595	(12100807)	414216.08	3773687.64	2021.51995	(12100807)
414266.08	3773687.64	1935.15478	(12101107)	414316.08	3773687.64	1948.63156	(16050906)
414366.08	3773687.64	1884.09472	(16050906)	414416.08	3773687.64	2163.37494	(14053006)
414466.08	3773687.64	2311.67442	(14062906)	414516.08	3773687.64	2318.85006	(13062606)
414566.08	3773687.64	2392.03987	(15061606)	414616.08	3773687.64	2324.39528	(15061606)
414666.08	3773687.64	2250.34669	(15060806)	414716.08	3773687.64	2160.47242	(14070506)
414766.08	3773687.64	1962.23368	(14070506)	414816.08	3773687.64	1822.63043	(14092407)
414866.08	3773687.64	1719.28348	(14092407)	414916.08	3773687.64	1586.95289	(12071806)
414966.08	3773687.64	1540.47135	(14053106)	415016.08	3773687.64	1460.17946	(14060606)
414016.08	3773737.64	2080.81382	(15061806)	414066.08	3773737.64	2296.73464	(15061806)
414116.08	3773737.64	2210.21089	(15061806)	414166.08	3773737.64	2099.64562	(12100807)
414216.08	3773737.64	2196.86183	(12100807)	414266.08	3773737.64	2119.06934	(12101107)
414316.08	3773737.64	2167.28770	(16050906)	414366.08	3773737.64	2178.51883	(16050906)
414416.08	3773737.64	2444.24227	(14053006)	414466.08	3773737.64	2609.44938	(14062906)
414516.08	3773737.64	2617.74284	(13062606)	414566.08	3773737.64	2695.61273	(15061606)
414616.08	3773737.64	2565.68010	(13071906)	414666.08	3773737.64	2508.61890	(14070506)
414716.08	3773737.64	2361.08110	(14070506)	414766.08	3773737.64	2066.00333	(14092407)
414816.08	3773737.64	1989.28654	(14092407)	414866.08	3773737.64	1820.80075	(12071806)
414916.08	3773737.64	1756.88034	(14053106)	414966.08	3773737.64	1650.13065	(14060606)
415016.08	3773737.64	1553.43627	(14060606)	414016.08	3773787.64	2085.97119	(12070906)
414066.08	3773787.64	2473.70565	(15061806)	414116.08	3773787.64	2634.53143	(15061806)
414166.08	3773787.64	2395.97236	(15071406)	414216.08	3773787.64	2623.36983	(12100807)
414266.08	3773787.64	2578.10608	(12100807)	414316.08	3773787.64	2586.79521	(12101107)

414366.08	3773787.64	2572.04838	(16050906)	414416.08	3773787.64	2895.24756	(14053006)
414466.08	3773787.64	2999.65339	(14062906)	414516.08	3773787.64	2966.81345	(13062606)
414566.08	3773787.64	3026.86930	(15061606)	414616.08	3773787.64	2967.66223	(15060806)
414666.08	3773787.64	2820.70790	(14070506)	414716.08	3773787.64	2455.19846	(14070506)
414766.08	3773787.64	2328.49695	(14092407)	414816.08	3773787.64	2111.58567	(12071806)

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*** AERMET - VERSION 16216 *** *** *** 12:11:05

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA1 ***

INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
414866.08	3773787.64	2029.32904	(14053106)	414916.08	3773787.64	1899.94759	(14060606)
414966.08	3773787.64	1752.93266	(14060606)	415016.08	3773787.64	1610.84905	(13062806)
414016.08	3773837.64	2347.43584	(12070906)	414066.08	3773837.64	2549.76133	(15061806)
414116.08	3773837.64	3025.14606	(15061806)	414166.08	3773837.64	3198.41315	(15061806)
414216.08	3773837.64	3429.13712	(12100807)	414266.08	3773837.64	3536.74722	(12100807)
414316.08	3773837.64	3289.26728	(12101107)	414366.08	3773837.64	3364.70723	(16050906)
414416.08	3773837.64	3533.00205	(14053006)	414466.08	3773837.64	3479.11500	(14062906)
414516.08	3773837.64	3420.05327	(15061606)	414566.08	3773837.64	3328.43458	(13071906)
414616.08	3773837.64	3396.55653	(14070506)	414666.08	3773837.64	3082.93226	(14070506)
414716.08	3773837.64	2782.33920	(14092407)	414766.08	3773837.64	2504.44822	(12071806)
414816.08	3773837.64	2379.70924	(14053106)	414866.08	3773837.64	2209.85178	(14060606)
414916.08	3773837.64	2017.26634	(14060606)	414966.08	3773837.64	1843.09753	(13062806)
415016.08	3773837.64	1690.44316	(13062806)	414016.08	3773887.64	2739.56884	(16111608)
414066.08	3773887.64	2832.23759	(12070906)	414116.08	3773887.64	3239.61217	(15061806)
414166.08	3773887.64	3756.17826	(15061806)	414216.08	3773887.64	3736.12697	(15061806)
414266.08	3773887.64	4405.07401	(12100807)	414316.08	3773887.64	4347.23972	(12101107)
414366.08	3773887.64	4443.36948	(16050906)	414416.08	3773887.64	4632.92539	(14053006)
414466.08	3773887.64	4441.71712	(13062606)	414516.08	3773887.64	4085.92517	(15061606)
414566.08	3773887.64	3873.28952	(15060806)	414616.08	3773887.64	3903.93599	(14070506)
414666.08	3773887.64	3388.96159	(14092407)	414716.08	3773887.64	3036.04600	(12071806)
414766.08	3773887.64	2850.12350	(14053106)	414816.08	3773887.64	2614.18728	(14060606)
414866.08	3773887.64	2323.85891	(13062806)	414916.08	3773887.64	2133.16986	(13062806)
414966.08	3773887.64	1894.98323	(13062806)	415016.08	3773887.64	1675.42260	(13072206)
414016.08	3773937.64	3035.41747	(13062006)	414066.08	3773937.64	3351.17264	(16111608)
414116.08	3773937.64	3524.42050	(12070906)	414166.08	3773937.64	4191.06603	(15061806)
414216.08	3773937.64	4783.20707	(15061806)	414266.08	3773937.64	5166.52934	(12100807)
414316.08	3773937.64	5404.31075	(12100807)	414666.08	3773937.64	3848.40397	(14092407)
414716.08	3773937.64	3506.34960	(14053106)	414766.08	3773937.64	3165.22457	(14060606)
414816.08	3773937.64	2790.46850	(13062806)	414866.08	3773937.64	2490.94749	(13062806)
414916.08	3773937.64	2146.47971	(13062806)	414966.08	3773937.64	1958.55419	(14052606)
415016.08	3773937.64	1837.91561	(14052606)	414016.08	3773987.64	3190.90366	(13062006)
414066.08	3773987.64	3759.62907	(13062006)	414116.08	3773987.64	4267.15215	(16111608)
414166.08	3773987.64	4566.67722	(12070906)	414216.08	3773987.64	5687.69687	(15061806)
414266.08	3773987.64	6158.96423	(15061806)	414316.08	3773987.64	7153.92604	(12100807)

414666.08	3773987.64	4476.72094 (14053106)	414716.08	3773987.64	3929.33212 (14060606)
414766.08	3773987.64	3414.11705 (13062806)	414816.08	3773987.64	2907.68991 (13062806)
414866.08	3773987.64	2551.55227 (14052606)	414916.08	3773987.64	2348.71804 (14052606)
414966.08	3773987.64	2110.82747 (14052606)	415016.08	3773987.64	1994.33450 (14061706)
414016.08	3774037.64	3374.97627 (12112008)	414066.08	3774037.64	3857.30347 (12070806)
414116.08	3774037.64	4816.52912 (13062006)	414166.08	3774037.64	5692.12784 (16111608)

*** AERMOD - VERSION 19191 *** *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc *** 05/24/21
*** AERMET - VERSION 16216 *** *** *** 12:11:05

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA1 ***

INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
414216.08	3774037.64	6293.09831 (12070906)	414266.08	3774037.64	8145.03415 (15061806)
414316.08	3774037.64	9438.64393 (12100807)	414666.08	3774037.64	5060.37576 (14060606)
414716.08	3774037.64	4280.50812 (13062806)	414766.08	3774037.64	3543.91872 (14052606)
414816.08	3774037.64	3167.50409 (14052606)	414866.08	3774037.64	2834.29174 (14061706)
414916.08	3774037.64	2579.13083 (14061706)	414966.08	3774037.64	2311.14614 (14061706)
415016.08	3774037.64	2067.84936 (14061706)	414016.08	3774087.64	3536.26054 (12112008)
414066.08	3774087.64	4283.92186 (12112008)	414116.08	3774087.64	5094.40065 (12112008)
414166.08	3774087.64	6399.29572 (13062006)	414216.08	3774087.64	8163.63473 (13062006)
414266.08	3774087.64	9567.34713 (15061806)	414316.08	3774087.64	12803.33549 (15061806)
414666.08	3774087.64	5443.54718 (14052606)	414716.08	3774087.64	4650.25429 (14052606)
414766.08	3774087.64	4081.70368 (14061706)	414816.08	3774087.64	3523.87014 (14061706)
414866.08	3774087.64	3040.98085 (14061706)	414916.08	3774087.64	2603.12694 (12062406)
414966.08	3774087.64	2296.59747 (12062406)	415016.08	3774087.64	2043.48907 (14070706)
414016.08	3774137.64	3969.73388 (13071606)	414066.08	3774137.64	4597.98577 (13071606)
414116.08	3774137.64	5341.50981 (12112008)	414166.08	3774137.64	7059.28660 (12112008)
414216.08	3774137.64	9178.30443 (14092207)	414266.08	3774137.64	13389.07828 (13062006)
414316.08	3774137.64	18591.92787 (15061806)	414666.08	3774137.64	6505.17998 (14061706)
414716.08	3774137.64	5220.51195 (14061706)	414766.08	3774137.64	4187.37772 (12062406)
414816.08	3774137.64	3550.21885 (15062506)	414866.08	3774137.64	3079.75416 (15062506)
414916.08	3774137.64	2692.01444 (15062506)	414966.08	3774137.64	2380.39324 (15062506)
415016.08	3774137.64	2109.99339 (15062506)	414016.08	3774187.64	4105.92704 (13071606)
414066.08	3774187.64	5071.85724 (13071606)	414116.08	3774187.64	6348.13067 (13071606)
414166.08	3774187.64	8229.27306 (13071606)	414216.08	3774187.64	11007.59358 (13071606)
414266.08	3774187.64	15505.41453 (12112008)	414316.08	3774187.64	27752.57669 (13062006)
414666.08	3774187.64	6752.67970 (15062506)	414716.08	3774187.64	5314.84415 (15062506)
414766.08	3774187.64	4273.81724 (15062506)	414816.08	3774187.64	3553.53413 (15062506)
414866.08	3774187.64	2994.77261 (15062506)	414916.08	3774187.64	2525.27889 (15062506)
414966.08	3774187.64	2203.83803 (15062506)	415016.08	3774187.64	1951.83859 (13051406)
414016.08	3774237.64	4078.30600 (15092507)	414066.08	3774237.64	4945.33204 (15092507)
414116.08	3774237.64	6186.88465 (15092507)	414166.08	3774237.64	8103.05337 (15092507)
414216.08	3774237.64	11360.81579 (14060406)	414266.08	3774237.64	17793.14815 (14060406)
414316.08	3774237.64	34768.33909 (14060406)	414666.08	3774237.64	6733.24468 (15062406)
414716.08	3774237.64	5233.43813 (15062406)	414766.08	3774237.64	4208.16513 (15062406)

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    414816.08  3774237.64   3478.76178 (15062406)      414866.08  3774237.64   2972.33004 (15062406)
    414916.08  3774237.64   2582.82411 (15062406)      414966.08  3774237.64   2273.04647 (15062406)
    415016.08  3774237.64   2021.93133 (15062406)      414016.08  3774287.64   4144.89848 (14060406)
    414066.08  3774287.64   4900.20078 (14060406)      414116.08  3774287.64   6104.64358 (16101007)
    414166.08  3774287.64   7919.97394 (14112908)      414216.08  3774287.64  10985.36885 (16120508)
    414266.08  3774287.64  16879.30683 (16093007)      414316.08  3774287.64  28974.77558 (15071806)
    414666.08  3774287.64   6925.36106 (13111908)      414716.08  3774287.64   5508.53344 (13111908)
  *** AERMOD - VERSION 19191 ***  *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc
***      05/24/21
 *** AERMET - VERSION 16216 ***  ***                                          ***      12:11:05
                                                                  PAGE 170
 *** MODELOPTs:   RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                  *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP:
AREA1   ***
                     INCLUDING SOURCE(S):    AREA1      ,

                           *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                         ** CONC OF OTHER    IN MICROGRAMS/M**3                 **

   X-COORD (M)  Y-COORD (M)       CONC     (YYMMDDHH)          X-COORD (M)  Y-COORD (M)       CONC
(YYMMDDHH)
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    414766.08  3774287.64   4506.17349 (13111908)      414816.08  3774287.64   3781.43542 (15062406)
    414866.08  3774287.64   3236.00997 (15062406)      414916.08  3774287.64   2816.11598 (15062406)
    414966.08  3774287.64   2481.40555 (15062406)      415016.08  3774287.64   2197.96261 (15062406)
    414016.08  3774337.64   3908.76264 (14112908)      414066.08  3774337.64   4769.25314 (16120508)
    414116.08  3774337.64   5947.19877 (16093007)      414166.08  3774337.64   7563.75742 (16093007)
    414216.08  3774337.64  10006.55543 (15071806)      414266.08  3774337.64  12902.90817 (12061706)
    414316.08  3774337.64  18794.86152 (13071806)      414366.08  3774337.64  22853.21684 (13032507)
    414416.08  3774337.64  23585.06571 (13070206)      414466.08  3774337.64  22004.73579 (14070606)
    414516.08  3774337.64  14760.28838 (14100107)      414566.08  3774337.64  10814.03057 (14100107)
    414666.08  3774337.64   6422.00105 (14071306)      414716.08  3774337.64   5167.17665 (14012117)
    414766.08  3774337.64   4280.45789 (12071406)      414816.08  3774337.64   3600.58838 (12071406)
    414866.08  3774337.64   3079.68332 (13111908)      414916.08  3774337.64   2750.50678 (13111908)
    414966.08  3774337.64   2446.88054 (13111908)      415016.08  3774337.64   2184.54242 (13111908)
    414016.08  3774387.64   3878.18253 (16093007)      414066.08  3774387.64   4539.67400 (16093007)
    414116.08  3774387.64   5521.82746 (15071806)      414166.08  3774387.64   6651.52774 (12061706)
    414216.08  3774387.64   7932.84612 (16120908)      414266.08  3774387.64  10287.71605 (13071806)
    414316.08  3774387.64  12720.91163 (15120908)      414366.08  3774387.64  12862.92128 (13032507)
    414416.08  3774387.64  12827.55094 (12072006)      414466.08  3774387.64  13239.44317 (14070606)
    414516.08  3774387.64  11280.95833 (12052206)      414566.08  3774387.64   8440.67347 (12052206)
    414616.08  3774387.64   7213.67899 (14100107)      414666.08  3774387.64   5570.69175 (14100107)
    414716.08  3774387.64   4570.56743 (14071306)      414766.08  3774387.64   4029.48796 (14071306)
    414816.08  3774387.64   3474.40156 (14071306)      414866.08  3774387.64   3009.36932 (14012117)
    414916.08  3774387.64   2645.72287 (14012117)      414966.08  3774387.64   2345.82727 (12071406)
    415016.08  3774387.64   2088.86174 (12071406)      414016.08  3774437.64   3653.21149 (15071806)
    414066.08  3774437.64   4201.20989 (12061706)      414116.08  3774437.64   4671.97078 (12061706)
    414166.08  3774437.64   5554.84524 (16120908)      414216.08  3774437.64   6767.07937 (13071806)
    414266.08  3774437.64   8078.49681 (15120908)      414316.08  3774437.64   8269.87765 (13032507)
    414366.08  3774437.64   8274.81075 (12102207)      414416.08  3774437.64   8405.28476 (12120808)
    414466.08  3774437.64   9277.23047 (13070206)      414516.08  3774437.64   8774.64396 (14070606)
    414566.08  3774437.64   7357.70708 (12052206)      414616.08  3774437.64   5788.65316 (12052206)
    414666.08  3774437.64   5163.62671 (14100107)      414716.08  3774437.64   4382.75527 (14100107)
    414766.08  3774437.64   3496.57164 (12071219)      414816.08  3774437.64   2992.40184 (14071306)
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414866.08	3774437.64	2795.02415	(14071306)	414916.08	3774437.64	2542.73470	(14071306)
414966.08	3774437.64	2277.98939	(14071306)	415016.08	3774437.64	2044.87471	(14012117)
414016.08	3774487.64	3260.00565	(12061706)	414066.08	3774487.64	3517.40223	(16120908)
414116.08	3774487.64	4172.89508	(16120908)	414166.08	3774487.64	4908.95037	(13071806)
414216.08	3774487.64	5530.36346	(15120908)	414266.08	3774487.64	6183.84655	(15120908)
414316.08	3774487.64	6333.56479	(13032507)	414366.08	3774487.64	6103.18852	(12120808)
414416.08	3774487.64	6207.05330	(12120808)	414466.08	3774487.64	6683.68252	(13070206)
414516.08	3774487.64	6414.46580	(14070606)	414566.08	3774487.64	6062.89793	(14070606)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA1 ***

INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
414616.08	3774487.64	5278.72946	(12052206)	414666.08	3774487.64	4298.69271	(12052206)
414716.08	3774487.64	3875.35909	(14100107)	414766.08	3774487.64	3493.88213	(14100107)
414816.08	3774487.64	2969.16676	(14100107)	414866.08	3774487.64	2492.06921	(12071219)
414916.08	3774487.64	2210.98212	(14071306)	414966.08	3774487.64	2083.41234	(14071306)
415016.08	3774487.64	1965.55955	(14071306)	414016.08	3774537.64	2861.55681	(16120908)
414066.08	3774537.64	3294.92964	(16120908)	414116.08	3774537.64	3771.35852	(13071806)
414166.08	3774537.64	4123.26872	(13071806)	414216.08	3774537.64	4753.84336	(15120908)
414266.08	3774537.64	4544.04435	(13032507)	414316.08	3774537.64	4894.99362	(13032507)
414366.08	3774537.64	4843.21200	(12120808)	414416.08	3774537.64	4851.44954	(12120808)
414466.08	3774537.64	4984.26175	(13070206)	414516.08	3774537.64	5161.43514	(13070206)
414566.08	3774537.64	5036.87272	(14070606)	414616.08	3774537.64	4340.50806	(14070606)
414666.08	3774537.64	4035.39769	(12052206)	414716.08	3774537.64	3358.33728	(12052206)
414766.08	3774537.64	3027.89968	(14100107)	414816.08	3774537.64	2854.99719	(14100107)
414866.08	3774537.64	2548.24991	(14100107)	414916.08	3774537.64	2194.17245	(14100107)
414966.08	3774537.64	1889.68471	(12071219)	415016.08	3774537.64	1701.23587	(14071306)
414016.08	3774587.64	2684.64067	(16120908)	414066.08	3774587.64	3024.13977	(13071806)
414116.08	3774587.64	3278.46191	(13071806)	414166.08	3774587.64	3720.29449	(15120908)
414216.08	3774587.64	3855.24352	(15120908)	414266.08	3774587.64	3890.95737	(13032507)
414316.08	3774587.64	3811.04983	(13032507)	414366.08	3774587.64	3923.95885	(12120808)
414416.08	3774587.64	3939.97536	(12120808)	414466.08	3774587.64	3988.39014	(12072006)
414516.08	3774587.64	4245.03624	(13070206)	414566.08	3774587.64	3970.41980	(14070606)
414616.08	3774587.64	3940.01080	(14070606)	414666.08	3774587.64	3447.86038	(12052206)
414716.08	3774587.64	3223.33457	(12052206)	414766.08	3774587.64	2716.94386	(12052206)
414816.08	3774587.64	2462.46347	(14100107)	414866.08	3774587.64	2376.57489	(14100107)
414916.08	3774587.64	2180.29254	(14100107)	414966.08	3774587.64	1936.93665	(14100107)
415016.08	3774587.64	1683.07939	(12071219)	414016.08	3774637.64	2505.42268	(13071806)
414066.08	3774637.64	2730.15202	(13071806)	414116.08	3774637.64	2988.38595	(15120908)
414166.08	3774637.64	3213.97400	(15120908)	414216.08	3774637.64	2967.73609	(15120908)
414266.08	3774637.64	3294.54339	(13032507)	414316.08	3774637.64	3122.26425	(12102207)
414366.08	3774637.64	3319.21890	(12120808)	414416.08	3774637.64	3273.08608	(12120808)
414466.08	3774637.64	3315.46564	(12072006)	414516.08	3774637.64	3507.40379	(13070206)

414566.08	3774637.64	3394.23582 (13070206)	414616.08	3774637.64	3370.25943 (14070606)
414666.08	3774637.64	3133.99063 (14070606)	414716.08	3774637.64	2826.40328 (12052206)
414766.08	3774637.64	2643.24500 (12052206)	414816.08	3774637.64	2254.41952 (12052206)
414866.08	3774637.64	2026.82767 (14100107)	414916.08	3774637.64	1987.20610 (14100107)
414966.08	3774637.64	1884.00824 (14100107)	415016.08	3774637.64	1727.57299 (14100107)
414361.21	3774308.59	36944.17645 (15120908)	414586.99	3774306.89	10530.43226 (14071306)
414586.99	3774347.63	9185.95280 (14100107)	414636.22	3774347.63	6940.03248 (14071306)
414629.43	3773930.02	4089.46651 (14092407)	414359.51	3773930.02	5309.72249 (16050906)
414406.37	3774308.25	37564.67108 (12072006)	414451.52	3774307.91	34068.09153 (14070606)

*** AERMOD - VERSION 19191 *** *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc *** 05/24/21

*** AERMET - VERSION 16216 *** *** *** 12:11:05

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA1 ***

INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
414496.68	3774307.57	21868.64703 (14100107)	414541.83	3774307.23	13961.64989 (14071306)
414635.47	3774301.23	7916.76193 (12071406)	414634.71	3774254.83	8399.55961 (15062406)
414633.96	3774208.43	7983.71429 (15062506)	414633.20	3774162.03	7950.12976 (14061706)
414632.45	3774115.62	6882.23629 (14052606)	414631.69	3774069.22	6251.08282 (13062806)
414630.94	3774022.82	5484.75904 (14053106)	414630.18	3773976.42	4680.84571 (14092407)
414584.44	3773930.02	4624.74312 (14070506)	414539.46	3773930.02	4707.93119 (15060806)
414494.47	3773930.02	5180.69117 (15061606)	414449.48	3773930.02	5276.11914 (14062906)
414404.50	3773930.02	5627.31319 (14053006)	414359.72	3773977.34	6671.02231 (16050906)
414359.94	3774024.66	8545.04413 (12101107)	414360.15	3774071.98	12163.87196 (12101107)
414360.36	3774119.31	20200.46154 (12100807)	414360.57	3774166.63	37394.26272 (15061806)
414360.79	3774213.95	83970.27802 (13062006)	414361.00	3774261.27	86071.88732 (15071806)
414651.22	3774193.13	7337.66306 (15062506)	414651.22	3774219.08	6927.50993 (15062506)
414651.87	3774247.64	7469.68636 (15062406)	414651.87	3774278.78	7545.66700 (13111908)
414651.87	3774298.90	7223.78417 (12071406)	414652.52	3774320.31	7025.78148 (14012117)
414651.87	3774365.09	5924.36567 (14071306)	414653.17	3774345.62	6604.10084 (14071306)
414649.27	3774056.86	5652.39186 (13062806)	414651.22	3774134.08	6879.26968 (14061706)
414650.57	3774166.52	7151.55779 (14061706)	414647.97	3774014.03	5090.79248 (14060606)
414248.25	3774308.63	13535.08754 (15071806)	414246.95	3774293.71	14015.42117 (16093007)
414246.30	3774277.48	14077.96154 (16120508)	414246.30	3774261.91	14530.05326 (14060406)
414246.95	3774244.39	15053.25122 (14060406)	414245.65	3774234.01	14454.16798 (15092507)
414246.30	3774219.73	14741.83297 (13071606)	414245.65	3774206.11	14719.14191 (13071606)
414245.00	3774187.94	13338.45695 (13071606)	414244.36	3774168.47	12390.41319 (12112008)
414244.36	3774156.14	11800.49656 (12112008)	414244.36	3774136.02	11271.20739 (13062006)
414241.76	3774052.96	7416.66766 (15061806)	414242.41	3774036.74	7292.07303 (15061806)
414243.06	3774017.27	6897.28061 (15061806)	414243.06	3773979.64	5899.09429 (15061806)
414239.81	3773932.92	4542.03058 (15061806)	414239.16	3773893.33	4174.01997 (12100807)
414646.03	3773967.31	4315.92049 (12071806)	414647.97	3773917.34	3813.81176 (14092407)
414646.03	3773895.93	3519.49021 (14092407)	414646.68	3773877.11	3437.32485 (14070506)
414646.68	3773841.42	3275.11730 (14070506)	414644.73	3773799.89	2986.36835 (14070506)
414649.92	3774091.90	5938.84393 (13062806)	414651.87	3774207.40	7199.66319 (15062506)

414647.28	3773769.60	2753.32987	(14070506)	414647.28	3773722.90	2463.71929	(15060806)
414588.50	3773543.39	1749.31827	(13062606)	414530.55	3773519.46	1698.31151	(14062906)
414486.45	3773503.08	1652.37599	(14062906)	414427.23	3773494.26	1676.63862	(14053006)
414356.68	3773470.32	1434.62281	(16050906)	414273.52	3773436.30	1411.58410	(16050906)
414053.04	3773606.39	1628.28293	(15061806)	414834.19	3774266.59	3564.15310	(15062406)

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA10 ***

INCLUDING SOURCE(S): AREA10 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
414016.08	3773637.64	1438.29309	(12070906)	414066.08	3773637.64	1518.35565	(12070906)
414116.08	3773637.64	1617.05889	(15061806)	414166.08	3773637.64	1864.34492	(15061806)
414216.08	3773637.64	1969.91541	(15061806)	414266.08	3773637.64	1890.01155	(15061806)
414316.08	3773637.64	1955.68572	(12100807)	414366.08	3773637.64	2056.07163	(12100807)
414416.08	3773637.64	2021.98251	(12101107)	414466.08	3773637.64	2232.82216	(12101107)
414516.08	3773637.64	2271.24322	(16050906)	414566.08	3773637.64	2385.79001	(14053006)
414616.08	3773637.64	2612.59688	(14053006)	414666.08	3773637.64	2489.51022	(14062906)
414716.08	3773637.64	2551.01628	(13062606)	414766.08	3773637.64	2618.15766	(15061606)
414816.08	3773637.64	2405.59401	(13071906)	414866.08	3773637.64	2413.54888	(15060806)
414916.08	3773637.64	2317.39078	(14070506)	414966.08	3773637.64	2008.25251	(14070506)
415016.08	3773637.64	2021.93407	(14092407)	414016.08	3773687.64	1618.65707	(16111608)
414066.08	3773687.64	1635.29554	(12070906)	414116.08	3773687.64	1718.54641	(12070906)
414166.08	3773687.64	1807.94887	(15061806)	414216.08	3773687.64	1988.87925	(15061806)
414266.08	3773687.64	1992.16381	(15061806)	414316.08	3773687.64	1965.59774	(15071406)
414366.08	3773687.64	2246.13839	(12100807)	414416.08	3773687.64	2316.06855	(12100807)
414466.08	3773687.64	2525.63913	(12101107)	414516.08	3773687.64	2564.63893	(16050906)
414566.08	3773687.64	2715.27851	(14053006)	414616.08	3773687.64	2934.56344	(14053006)
414666.08	3773687.64	2914.19588	(14062906)	414716.08	3773687.64	2839.35853	(15061606)
414766.08	3773687.64	2914.62581	(15061606)	414816.08	3773687.64	2764.89480	(15060806)
414866.08	3773687.64	2695.76194	(14070506)	414916.08	3773687.64	2423.13066	(14070506)
414966.08	3773687.64	2306.23383	(14092407)	415016.08	3773687.64	2177.18217	(14092407)
414016.08	3773737.64	1789.80877	(16111608)	414066.08	3773737.64	1876.34210	(16111608)
414116.08	3773737.64	1873.59342	(12070906)	414166.08	3773737.64	1833.22501	(12070906)
414216.08	3773737.64	2016.36229	(15061806)	414266.08	3773737.64	2211.10138	(15061806)
414316.08	3773737.64	2185.82828	(15061806)	414366.08	3773737.64	2465.48926	(12100807)
414416.08	3773737.64	2728.08380	(12100807)	414466.08	3773737.64	2888.43116	(12101107)
414516.08	3773737.64	2965.66884	(16050906)	414566.08	3773737.64	3128.55470	(14053006)
414616.08	3773737.64	3386.97091	(14053006)	414666.08	3773737.64	3392.71001	(13062606)
414716.08	3773737.64	3357.44204	(15061606)	414766.08	3773737.64	3197.97334	(13071906)
414816.08	3773737.64	3122.45043	(15060806)	414866.08	3773737.64	2908.41815	(14070506)
414916.08	3773737.64	2601.26660	(14092407)	414966.08	3773737.64	2484.74955	(14092407)
415016.08	3773737.64	2238.37151	(14053106)	414016.08	3773787.64	1897.56318	(13062006)
414066.08	3773787.64	2073.28368	(16111608)	414116.08	3773787.64	2170.23657	(16111608)
414166.08	3773787.64	2159.11188	(12070906)	414216.08	3773787.64	2171.13746	(12070906)

414266.08	3773787.64	2573.48293	(15061806)	414316.08	3773787.64	2745.64074	(15061806)
414366.08	3773787.64	2727.12834	(12100807)	414416.08	3773787.64	3254.32252	(12100807)
414466.08	3773787.64	3332.06591	(12101107)	414516.08	3773787.64	3452.23407	(16050906)
414566.08	3773787.64	3655.78844	(14053006)	414616.08	3773787.64	3908.89953	(14053006)
414666.08	3773787.64	3977.37772	(13062606)	414716.08	3773787.64	3917.28876	(15061606)
414766.08	3773787.64	3718.09520	(15060806)	414816.08	3773787.64	3314.95940	(14070506)

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA10 ***

INCLUDING SOURCE(S): AREA10 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
414866.08	3773787.64	3045.41509	(14092407)	414916.08	3773787.64	2981.02057	(14092407)
414966.08	3773787.64	2689.78075	(12071806)	415016.08	3773787.64	2602.47846	(14053106)
414016.08	3773837.64	1990.50584	(12070806)	414066.08	3773837.64	2274.04801	(13062006)
414116.08	3773837.64	2471.70238	(13062006)	414166.08	3773837.64	2715.37726	(16111608)
414216.08	3773837.64	2847.07778	(12070906)	414266.08	3773837.64	2887.95553	(15061806)
414316.08	3773837.64	3374.15596	(15061806)	414366.08	3773837.64	3538.81624	(15061806)
414416.08	3773837.64	3912.35804	(12100807)	414466.08	3773837.64	3992.26553	(12100807)
414516.08	3773837.64	4092.38607	(16050906)	414566.08	3773837.64	4329.26972	(14053006)
414616.08	3773837.64	4786.27080	(14062906)	414666.08	3773837.64	4728.56464	(13062606)
414716.08	3773837.64	4530.67133	(15061606)	414766.08	3773837.64	4343.07554	(14070506)
414816.08	3773837.64	3852.01216	(14070506)	414866.08	3773837.64	3602.10543	(14092407)
414916.08	3773837.64	3162.09789	(12071806)	414966.08	3773837.64	3046.57088	(14053106)
415016.08	3773837.64	2819.86989	(14060606)	414016.08	3773887.64	2164.29071	(14092207)
414066.08	3773887.64	2278.47396	(14092207)	414116.08	3773887.64	2679.74620	(13062006)
414166.08	3773887.64	3043.59110	(13062006)	414216.08	3773887.64	3375.81877	(16111608)
414266.08	3773887.64	3488.81316	(12070906)	414316.08	3773887.64	3966.24182	(15061806)
414366.08	3773887.64	4744.74020	(15061806)	414416.08	3773887.64	4594.43797	(12100807)
414466.08	3773887.64	5198.82198	(12100807)	414516.08	3773887.64	4945.53292	(12101107)
414566.08	3773887.64	5246.02753	(14053006)	414616.08	3773887.64	5916.27118	(14062906)
414666.08	3773887.64	5789.24841	(15061606)	414716.08	3773887.64	5435.11116	(15060806)
414766.08	3773887.64	5111.79844	(14070506)	414816.08	3773887.64	4490.71419	(14092407)
414866.08	3773887.64	3920.79774	(12071806)	414916.08	3773887.64	3739.82664	(14053106)
414966.08	3773887.64	3347.78637	(14060606)	415016.08	3773887.64	3026.27146	(13062806)
414016.08	3773937.64	2326.82804	(12112008)	414066.08	3773937.64	2572.51123	(14092207)
414116.08	3773937.64	2873.48399	(14092207)	414166.08	3773937.64	3201.83749	(12070806)
414216.08	3773937.64	3795.75194	(13062006)	414266.08	3773937.64	4210.75960	(16111608)
414316.08	3773937.64	4467.82096	(12070906)	414666.08	3773937.64	7287.38415	(15061606)
414716.08	3773937.64	6726.68729	(14070506)	414766.08	3773937.64	5711.65088	(14092407)
414816.08	3773937.64	5000.94291	(14092407)	414866.08	3773937.64	4564.68743	(14053106)
414916.08	3773937.64	3862.12248	(14060606)	414966.08	3773937.64	3644.32737	(13062806)
415016.08	3773937.64	3099.22222	(13062806)	414016.08	3773987.64	2321.81492	(12112008)
414066.08	3773987.64	2719.17055	(12112008)	414116.08	3773987.64	3090.99039	(12112008)
414166.08	3773987.64	3506.07138	(14092207)	414216.08	3773987.64	3912.70575	(14092207)

414266.08	3773987.64	4771.32031 (13062006)	414316.08	3773987.64	5911.92583 (16111608)
414666.08	3773987.64	9133.01397 (15060806)	414716.08	3773987.64	8123.04641 (14070506)
414766.08	3773987.64	6815.23306 (14092407)	414816.08	3773987.64	6025.50846 (14060606)
414866.08	3773987.64	5168.04999 (13062806)	414916.08	3773987.64	4370.63059 (13062806)
414966.08	3773987.64	3657.47707 (13072206)	415016.08	3773987.64	3399.37037 (14052606)
414016.08	3774037.64	2410.11863 (16062006)	414066.08	3774037.64	2594.61429 (16101107)
414116.08	3774037.64	3031.36261 (12112008)	414166.08	3774037.64	3719.62912 (12112008)

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA10 ***

INCLUDING SOURCE(S): AREA10 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
414216.08	3774037.64	4452.01693 (12112008)	414266.08	3774037.64	5188.10950 (14092207)
414316.08	3774037.64	6697.61935 (12070806)	414666.08	3774037.64	12872.04815 (14070506)
414716.08	3774037.64	10124.87577 (14092407)	414766.08	3774037.64	8491.50145 (14060606)
414816.08	3774037.64	6900.33759 (13062806)	414866.08	3774037.64	5420.84717 (13072206)
414916.08	3774037.64	4771.26910 (14052606)	414966.08	3774037.64	4217.48496 (14061706)
415016.08	3774037.64	3822.56692 (14061706)	414016.08	3774087.64	2782.60373 (13071606)
414066.08	3774087.64	3139.07568 (13071606)	414116.08	3774087.64	3540.40030 (13071606)
414166.08	3774087.64	3935.91933 (13071606)	414216.08	3774087.64	4332.40240 (13071606)
414266.08	3774087.64	5438.88640 (12112008)	414316.08	3774087.64	7503.74477 (12112008)
414666.08	3774087.64	17348.46568 (14092407)	414716.08	3774087.64	13189.18257 (14060606)
414766.08	3774087.64	9514.96405 (13062806)	414816.08	3774087.64	7687.94484 (14052606)
414866.08	3774087.64	6430.33938 (14061706)	414916.08	3774087.64	5359.85106 (14061706)
414966.08	3774087.64	4389.91617 (12062406)	415016.08	3774087.64	3763.91215 (14070706)
414016.08	3774137.64	2729.85532 (15020408)	414066.08	3774137.64	3150.04849 (15020408)
414116.08	3774137.64	3663.39010 (13071606)	414166.08	3774137.64	4403.89917 (13071606)
414216.08	3774137.64	5303.31209 (13071606)	414266.08	3774137.64	6457.30287 (13071606)
414316.08	3774137.64	8541.94439 (13071606)	414666.08	3774137.64	24742.22157 (13062806)
414716.08	3774137.64	15991.10065 (14061706)	414766.08	3774137.64	11675.04165 (14061706)
414816.08	3774137.64	8410.40919 (12062406)	414866.08	3774137.64	6684.49247 (15062506)
414916.08	3774137.64	5551.29904 (15062506)	414966.08	3774137.64	4660.20254 (15062506)
415016.08	3774137.64	3904.59593 (15062506)	414016.08	3774187.64	2838.31105 (15092507)
414066.08	3774187.64	3267.65796 (15092507)	414116.08	3774187.64	3732.85296 (15092507)
414166.08	3774187.64	4394.24871 (15092507)	414216.08	3774187.64	5256.06705 (15092507)
414266.08	3774187.64	6451.34148 (15092507)	414316.08	3774187.64	8333.82453 (15092507)
414666.08	3774187.64	31055.75699 (15062506)	414716.08	3774187.64	17318.13221 (15062506)
414766.08	3774187.64	11133.59779 (15062506)	414816.08	3774187.64	8234.51721 (13051406)
414866.08	3774187.64	6413.50098 (13051406)	414916.08	3774187.64	5240.31568 (13051406)
414966.08	3774187.64	4399.80254 (13051406)	415016.08	3774187.64	3709.24114 (13051406)
414016.08	3774237.64	2916.33941 (14060406)	414066.08	3774237.64	3325.00302 (14060406)
414116.08	3774237.64	3806.34009 (14060406)	414166.08	3774237.64	4530.22626 (14060406)
414216.08	3774237.64	5461.23181 (14060406)	414266.08	3774237.64	6636.65098 (14060406)
414316.08	3774237.64	8362.21803 (14060406)	414666.08	3774237.64	29561.62883 (14071306)

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    414716.08  3774237.64   17763.85922 (12071406)        414766.08  3774237.64   12400.26124 (13111908)
    414816.08  3774237.64    9269.36427 (13111908)        414866.08  3774237.64    7169.97092 (15062406)
    414916.08  3774237.64    5914.63392 (15062406)        414966.08  3774237.64    4925.00664 (15062406)
    415016.08  3774237.64    4131.82273 (15062406)        414016.08  3774287.64    2780.39664 (16101007)
    414066.08  3774287.64    3191.90187 (16101007)        414116.08  3774287.64    3727.27491 (16101007)
    414166.08  3774287.64    4353.78594 (14112908)        414216.08  3774287.64    5206.91065 (14112908)
    414266.08  3774287.64    6315.18616 (16120508)        414316.08  3774287.64    7979.12934 (16120508)
    414666.08  3774287.64   20644.57051 (12052206)        414716.08  3774287.64   14978.20172 (14100107)
  *** AERMOD - VERSION 19191 ***  *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc
***       05/24/21
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 *** MODELOPTs:   RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                  *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP:
AREA10  ***
                     INCLUDING SOURCE(S):    AREA10     ,

                           *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                         ** CONC OF OTHER    IN MICROGRAMS/M**3                  **

    X-COORD (M)  Y-COORD (M)       CONC     (YYMMDDHH)          X-COORD (M)  Y-COORD (M)       CONC
(YYMMDDHH)
 ------------------------------------------------------------------
    414766.08  3774287.64   10924.19772 (14071306)        414816.08  3774287.64    8724.41654 (14071306)
    414866.08  3774287.64    6806.56905 (14012117)        414916.08  3774287.64    5633.78097 (12071406)
    414966.08  3774287.64    4685.29934 (13111908)        415016.08  3774287.64    4090.97278 (13111908)
    414016.08  3774337.64    2807.79723 (14112908)        414066.08  3774337.64    3158.15453 (14112908)
    414116.08  3774337.64    3668.87724 (16120508)        414166.08  3774337.64    4291.35498 (16120508)
    414216.08  3774337.64    5155.83513 (16093007)        414266.08  3774337.64    6116.16580 (16093007)
    414316.08  3774337.64    7547.22581 (15071806)        414366.08  3774337.64    9047.49093 (12061706)
    414416.08  3774337.64   11258.75907 (16120908)        414466.08  3774337.64   14264.20893 (13071806)
    414516.08  3774337.64   16231.26177 (13032507)        414566.08  3774337.64   17237.81621 (12120808)
    414666.08  3774337.64   15723.22238 (14070606)        414716.08  3774337.64   11679.48300 (12052206)
    414766.08  3774337.64    9891.20166 (14100107)        414816.08  3774337.64    7350.87947 (12071219)
    414866.08  3774337.64    5991.25770 (14071306)        414916.08  3774337.64    5401.64978 (14071306)
    414966.08  3774337.64    4606.15464 (14071306)        415016.08  3774337.64    3956.54634 (12071406)
    414016.08  3774387.64    2811.56636 (16120508)        414066.08  3774387.64    3200.28786 (16093007)
    414116.08  3774387.64    3658.49326 (16093007)        414166.08  3774387.64    4079.96367 (16093007)
    414216.08  3774387.64    4879.58942 (15071806)        414266.08  3774387.64    5646.53876 (12061706)
    414316.08  3774387.64    6082.58101 (16072106)        414366.08  3774387.64    7648.55406 (16120908)
    414416.08  3774387.64    9323.19235 (13071806)        414466.08  3774387.64   10930.80883 (15120908)
    414516.08  3774387.64   11221.53443 (13032507)        414566.08  3774387.64   11484.58445 (12120808)
    414616.08  3774387.64   11293.88244 (13070206)        414666.08  3774387.64   11484.57971 (14070606)
    414716.08  3774387.64    9836.43704 (12052206)        414766.08  3774387.64    7779.55455 (12052206)
    414816.08  3774387.64    6921.68108 (14100107)        414866.08  3774387.64    5753.98470 (14100107)
    414916.08  3774387.64    4569.77007 (12071219)        414966.08  3774387.64    3952.74516 (14071306)
    415016.08  3774387.64    3707.53479 (14071306)        414016.08  3774437.64    2776.19273 (16093007)
    414066.08  3774437.64    3013.93349 (16093007)        414116.08  3774437.64    3494.38839 (15071806)
    414166.08  3774437.64    3956.60725 (12061706)        414216.08  3774437.64    4293.40635 (12061706)
    414266.08  3774437.64    4737.18340 (16120908)        414316.08  3774437.64    5671.18625 (16120908)
    414366.08  3774437.64    6750.30285 (13071806)        414416.08  3774437.64    7799.60065 (15120908)
    414466.08  3774437.64    7510.69090 (13032507)        414516.08  3774437.64    7787.02434 (13032507)
    414566.08  3774437.64    8440.76856 (12120808)        414616.08  3774437.64    8322.09214 (12072006)
    414666.08  3774437.64    8490.76814 (13070206)        414716.08  3774437.64    8285.39484 (14070606)
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414766.08	3774437.64	7179.67030	(12052206)	414816.08	3774437.64	5715.01113	(12052206)
414866.08	3774437.64	5126.94794	(14100107)	414916.08	3774437.64	4712.47663	(14100107)
414966.08	3774437.64	3882.16612	(14100107)	415016.08	3774437.64	3304.21104	(12071219)
414016.08	3774487.64	2685.84982	(15071806)	414066.08	3774487.64	2958.42562	(12061706)
414116.08	3774487.64	3226.58235	(12061706)	414166.08	3774487.64	3335.33528	(12061706)
414216.08	3774487.64	3863.12790	(16120908)	414266.08	3774487.64	4431.35696	(16120908)
414316.08	3774487.64	5161.79774	(13071806)	414366.08	3774487.64	5674.15785	(15120908)
414416.08	3774487.64	6189.87703	(15120908)	414466.08	3774487.64	6352.20126	(13032507)
414516.08	3774487.64	6145.01154	(12102207)	414566.08	3774487.64	6564.44803	(12120808)

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA10 ***

INCLUDING SOURCE(S): AREA10 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
414616.08	3774487.64	6371.39000	(12072006)	414666.08	3774487.64	6801.82920	(13070206)
414716.08	3774487.64	6535.45175	(14070606)	414766.08	3774487.64	5975.34337	(14070606)
414816.08	3774487.64	5507.37936	(12052206)	414866.08	3774487.64	4435.20742	(12052206)
414916.08	3774487.64	3917.91923	(14100107)	414966.08	3774487.64	3852.11974	(14100107)
415016.08	3774487.64	3375.78836	(14100107)	414016.08	3774537.64	2533.14977	(12061706)
414066.08	3774537.64	2649.63118	(12061706)	414116.08	3774537.64	2783.03513	(16072106)
414166.08	3774537.64	3231.23881	(16120908)	414216.08	3774537.64	3522.32901	(16120908)
414266.08	3774537.64	4143.51501	(13071806)	414316.08	3774537.64	4271.10253	(15120908)
414366.08	3774537.64	5062.04269	(15120908)	414416.08	3774537.64	4540.46389	(13032507)
414466.08	3774537.64	5226.57310	(13032507)	414516.08	3774537.64	5017.80044	(12102207)
414566.08	3774537.64	5352.99808	(12120808)	414616.08	3774537.64	5079.20903	(12072006)
414666.08	3774537.64	5344.57800	(13070206)	414716.08	3774537.64	5158.88995	(13070206)
414766.08	3774537.64	5307.73263	(14070606)	414816.08	3774537.64	4448.62453	(14070606)
414866.08	3774537.64	4384.73624	(12052206)	414916.08	3774537.64	3604.06986	(12052206)
414966.08	3774537.64	3240.99438	(14101807)	415016.08	3774537.64	3175.05679	(14100107)
414016.08	3774587.64	2182.37396	(12061706)	414066.08	3774587.64	2429.77198	(16072106)
414116.08	3774587.64	2744.93150	(16120908)	414166.08	3774587.64	2923.19937	(16120908)
414216.08	3774587.64	3365.11005	(13071806)	414266.08	3774587.64	3540.77188	(13071806)
414316.08	3774587.64	4113.84712	(15120908)	414366.08	3774587.64	4045.04884	(15120908)
414416.08	3774587.64	4209.11903	(13032507)	414466.08	3774587.64	4212.25079	(13032507)
414516.08	3774587.64	4143.02972	(12102207)	414566.08	3774587.64	4478.90560	(12120808)
414616.08	3774587.64	4085.91165	(12072006)	414666.08	3774587.64	4323.52735	(12072006)
414716.08	3774587.64	4533.24146	(13070206)	414766.08	3774587.64	4270.22959	(14070606)
414816.08	3774587.64	4302.96465	(14070606)	414866.08	3774587.64	3742.68190	(12052206)
414916.08	3774587.64	3629.86265	(12052206)	414966.08	3774587.64	3011.30588	(12052206)
415016.08	3774587.64	2766.31972	(14101807)	414016.08	3774637.64	2120.50835	(16072106)
414066.08	3774637.64	2422.99846	(16120908)	414116.08	3774637.64	2544.32983	(16120908)
414166.08	3774637.64	2880.79038	(13071806)	414216.08	3774637.64	3018.86381	(13071806)
414266.08	3774637.64	3340.93437	(15120908)	414316.08	3774637.64	3590.74095	(15120908)
414366.08	3774637.64	3167.36571	(13032507)	414416.08	3774637.64	3727.83327	(13032507)

414466.08	3774637.64	3465.20467 (12102207)	414516.08	3774637.64	3506.05718 (12102207)
414566.08	3774637.64	3835.31997 (12120808)	414616.08	3774637.64	3341.34511 (12072006)
414666.08	3774637.64	3749.40920 (12072006)	414716.08	3774637.64	3905.06021 (13070206)
414766.08	3774637.64	3541.54331 (13070206)	414816.08	3774637.64	3839.86991 (14070606)
414866.08	3774637.64	3452.88017 (14070606)	414916.08	3774637.64	3231.08323 (12052206)
414966.08	3774637.64	3068.77605 (12052206)	415016.08	3774637.64	2561.44244 (12052206)
414361.21	3774308.59	9821.67929 (15071806)	414586.99	3774306.89	23475.20276 (12072006)
414586.99	3774347.63	14930.11074 (12072006)	414636.22	3774347.63	15345.15096 (13070206)
414629.43	3773930.02	7146.52990 (13062606)	414359.51	3773930.02	5068.63854 (15061806)
414406.37	3774308.25	12349.34206 (12061706)	414451.52	3774307.91	15651.66589 (16120908)

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA10 ***

INCLUDING SOURCE(S): AREA10 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
414496.68	3774307.57	21099.66976 (15120908)	414541.83	3774307.23	23487.91967 (13032507)
414635.47	3774301.23	24777.43729 (14070606)	414634.71	3774254.83	37199.75773 (14100107)
414633.96	3774208.43	53483.82417 (15062406)	414633.20	3774162.03	43313.55900 (13062806)
414632.45	3774115.62	27385.61306 (14070506)	414631.69	3774069.22	17887.65520 (15060806)
414630.94	3774022.82	12620.77417 (15061606)	414630.18	3773976.42	9161.04703 (13062606)
414584.44	3773930.02	6742.88435 (14053006)	414539.46	3773930.02	6269.29794 (16050906)
414494.47	3773930.02	6222.72461 (12100807)	414449.48	3773930.02	5923.91131 (12100807)
414404.50	3773930.02	5853.63141 (15061806)	414359.72	3773977.34	5717.86223 (12070906)
414359.94	3774024.66	6601.90032 (16111608)	414360.15	3774071.98	7707.05312 (14092207)
414360.36	3774119.31	9049.17672 (12112008)	414360.57	3774166.63	11194.99166 (13071606)
414360.79	3774213.95	11311.80223 (14060406)	414361.00	3774261.27	10508.63425 (16120508)
414651.22	3774193.13	38195.79166 (15062506)	414651.22	3774219.08	38814.45147 (13111908)
414651.87	3774247.64	32142.69142 (14100107)	414651.87	3774278.78	25549.23908 (12052206)
414651.87	3774298.90	22607.95635 (12052206)	414652.52	3774320.31	19030.74083 (14070606)
414651.87	3774365.09	13534.40203 (14070606)	414653.17	3774345.62	16089.39481 (14070606)
414649.27	3774056.86	15414.39094 (14070506)	414651.22	3774134.08	27953.05305 (14060606)
414650.57	3774166.52	35300.56386 (14061706)	414647.97	3774014.03	11265.44889 (15061606)
414248.25	3774308.63	5825.50030 (16120508)	414246.95	3774293.71	5799.14930 (16120508)
414246.30	3774277.48	5851.45254 (14112908)	414246.30	3774261.91	5888.22312 (16101007)
414246.95	3774244.39	6047.17282 (14060406)	414245.65	3774234.01	6094.43850 (14060406)
414246.30	3774219.73	6074.56459 (14060406)	414245.65	3774206.11	5909.21640 (15092507)
414245.00	3774187.94	5869.63779 (15092507)	414244.36	3774168.47	5644.00328 (15020408)
414244.36	3774156.14	5805.25472 (13071606)	414244.36	3774136.02	5842.59563 (13071606)
414241.76	3774052.96	4887.26021 (12112008)	414242.41	3774036.74	4733.01955 (12112008)
414243.06	3774017.27	4574.00439 (14092207)	414243.06	3773979.64	4252.77152 (13062006)
414239.81	3773932.92	3901.38586 (16111608)	414239.16	3773893.33	3474.54580 (16111608)
414646.03	3773967.31	8653.17181 (15061606)	414647.97	3773917.34	6574.97207 (13062606)
414646.03	3773895.93	6024.48649 (13062606)	414646.68	3773877.11	5561.05887 (13062606)
414646.68	3773841.42	4815.42453 (13062606)	414644.73	3773799.89	4115.68594 (14062906)

414649.92 3774091.90 19577.84519 (14070506) 414651.87 3774207.40 39383.06724 (15062406)
414647.28 3773769.60 3726.12066 (14062906) 414647.28 3773722.90 3221.81897 (14062906)
414588.50 3773543.39 2059.71391 (14053006) 414530.55 3773519.46 1755.32536 (16050906)
414486.45 3773503.08 1751.41762 (16050906) 414427.23 3773494.26 1653.93183 (12101107)
414356.68 3773470.32 1548.20118 (12100807) 414273.52 3773436.30 1495.54306 (12100807)
414053.04 3773606.39 1403.00262 (12070906) 414834.19 3774266.59 8042.11751 (12071406)

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA11 ***

INCLUDING SOURCE(S): AREA11 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
414016.08	3773637.64	1841.82572	(16111608)	414066.08	3773637.64	1908.87869	(12070906)
414116.08	3773637.64	1663.85551	(12070906)	414166.08	3773637.64	1931.89261	(15061806)
414216.08	3773637.64	2121.77175	(15061806)	414266.08	3773637.64	2124.64633	(15061806)
414316.08	3773637.64	2080.22555	(12100807)	414366.08	3773637.64	2261.84972	(12100807)
414416.08	3773637.64	2289.30553	(12100807)	414466.08	3773637.64	2455.09390	(12101107)
414516.08	3773637.64	2500.29931	(16050906)	414566.08	3773637.64	2604.10403	(14053006)
414616.08	3773637.64	3328.17855	(14053006)	414666.08	3773637.64	3201.08299	(14062906)
414716.08	3773637.64	3155.95139	(13062606)	414766.08	3773637.64	3224.14849	(15061606)
414816.08	3773637.64	3018.53146	(15060806)	414866.08	3773637.64	2955.45334	(14070506)
414916.08	3773637.64	2673.46776	(14070506)	414966.08	3773637.64	2411.56333	(14092407)
415016.08	3773637.64	2336.42739	(14092407)	414016.08	3773687.64	2088.05188	(16111608)
414066.08	3773687.64	2104.26515	(16111608)	414116.08	3773687.64	1842.30141	(12070906)
414166.08	3773687.64	1827.50506	(12070906)	414216.08	3773687.64	2108.98072	(15061806)
414266.08	3773687.64	2227.12005	(15061806)	414316.08	3773687.64	2131.35146	(15061806)
414366.08	3773687.64	2468.45140	(12100807)	414416.08	3773687.64	2641.81159	(12100807)
414466.08	3773687.64	2813.21116	(12101107)	414516.08	3773687.64	2868.49271	(16050906)
414566.08	3773687.64	2988.64162	(14053006)	414616.08	3773687.64	3728.62614	(14053006)
414666.08	3773687.64	3725.73293	(13062606)	414716.08	3773687.64	3620.81888	(15061606)
414766.08	3773687.64	3564.16927	(13071906)	414816.08	3773687.64	3449.73805	(15060806)
414866.08	3773687.64	3260.38245	(14070506)	414916.08	3773687.64	2735.75864	(14092407)
414966.08	3773687.64	2706.54317	(14092407)	415016.08	3773687.64	2552.17949	(12071806)
414016.08	3773737.64	2245.96021	(13062006)	414066.08	3773737.64	2412.77598	(16111608)
414116.08	3773737.64	2075.31432	(16111608)	414166.08	3773737.64	2035.43259	(12070906)
414216.08	3773737.64	2055.63098	(15061806)	414266.08	3773737.64	2409.11516	(15061806)
414316.08	3773737.64	2516.17217	(15061806)	414366.08	3773737.64	2683.68576	(12100807)
414416.08	3773737.64	3092.86379	(12100807)	414466.08	3773737.64	3244.21952	(12101107)
414516.08	3773737.64	3338.81866	(16050906)	414566.08	3773737.64	3484.54939	(14053006)
414616.08	3773737.64	4302.71252	(14053006)	414666.08	3773737.64	4369.94574	(13062606)
414716.08	3773737.64	4289.42099	(15061606)	414766.08	3773737.64	3998.83286	(15060806)
414816.08	3773737.64	3890.94829	(14070506)	414866.08	3773737.64	3295.30723	(14070506)
414916.08	3773737.64	3157.29310	(14092407)	414966.08	3773737.64	2934.38710	(12071806)
415016.08	3773737.64	2778.51921	(14053106)	414016.08	3773787.64	2306.24410	(13062006)
414066.08	3773787.64	2600.72422	(13062006)	414116.08	3773787.64	2304.15995	(16111608)

414166.08	3773787.64	2420.57309	(16111608)	414216.08	3773787.64	2436.15086	(12070906)
414266.08	3773787.64	2721.49623	(15061806)	414316.08	3773787.64	3077.73895	(15061806)
414366.08	3773787.64	3091.68708	(15061806)	414416.08	3773787.64	3683.82239	(12100807)
414466.08	3773787.64	3855.31855	(12100807)	414516.08	3773787.64	3945.16915	(16050906)
414566.08	3773787.64	4140.07460	(14053006)	414616.08	3773787.64	5066.35320	(14062906)
414666.08	3773787.64	5116.16240	(13062606)	414716.08	3773787.64	4950.05826	(15061606)
414766.08	3773787.64	4704.51612	(15060806)	414816.08	3773787.64	4107.78794	(14070506)

*** AERMOD - VERSION 19191 *** *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc *** 05/24/21

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA11 ***

INCLUDING SOURCE(S): AREA11 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
414866.08	3773787.64	3775.93338	(14092407)	414916.08	3773787.64	3511.59496	(12071806)
414966.08	3773787.64	3318.33174	(14053106)	415016.08	3773787.64	3120.90731	(14060606)
414016.08	3773837.64	2301.09100	(14092207)	414066.08	3773837.64	2672.86074	(12070806)
414116.08	3773837.64	3072.84954	(13062006)	414166.08	3773837.64	3390.42878	(16111608)
414216.08	3773837.64	3696.74510	(16111608)	414266.08	3773837.64	3144.40019	(12070906)
414316.08	3773837.64	3647.17876	(15061806)	414366.08	3773837.64	4157.69418	(15061806)
414416.08	3773837.64	4325.12828	(12100807)	414466.08	3773837.64	4757.84112	(12100807)
414516.08	3773837.64	4744.38654	(16050906)	414566.08	3773837.64	5028.48275	(14053006)
414616.08	3773837.64	6252.80442	(14062906)	414666.08	3773837.64	6038.71996	(15061606)
414716.08	3773837.64	5621.86722	(15060806)	414766.08	3773837.64	5468.85463	(14070506)
414816.08	3773837.64	4551.18714	(14092407)	414866.08	3773837.64	4274.65831	(12071806)
414916.08	3773837.64	3965.50670	(14053106)	414966.08	3773837.64	3680.16826	(14060606)
415016.08	3773837.64	3234.15188	(13062806)	414016.08	3773887.64	2530.21278	(12112008)
414066.08	3773887.64	2758.85238	(14092207)	414116.08	3773887.64	3045.47753	(12070806)
414166.08	3773887.64	3639.18610	(13062006)	414216.08	3773887.64	4199.42132	(13062006)
414266.08	3773887.64	4580.50820	(16111608)	414316.08	3773887.64	4911.78101	(12070906)
414366.08	3773887.64	5942.25181	(15061806)	414416.08	3773887.64	5334.46577	(15061806)
414466.08	3773887.64	6038.84655	(12100807)	414516.08	3773887.64	5939.88425	(12101107)
414566.08	3773887.64	6280.14871	(14053006)	414616.08	3773887.64	7806.22056	(14062906)
414666.08	3773887.64	7627.54703	(15061606)	414716.08	3773887.64	7053.79992	(15060806)
414766.08	3773887.64	5876.64501	(14070506)	414816.08	3773887.64	5385.44000	(12071806)
414866.08	3773887.64	4922.72777	(14053106)	414916.08	3773887.64	4502.13175	(14060606)
414966.08	3773887.64	3900.46053	(13062806)	415016.08	3773887.64	3396.98466	(13062806)
414016.08	3773937.64	2616.31633	(12112008)	414066.08	3773937.64	2994.40846	(12112008)
414116.08	3773937.64	3352.67937	(12112008)	414166.08	3773937.64	3705.42968	(14092207)
414216.08	3773937.64	4386.88512	(12070806)	414266.08	3773937.64	5269.79727	(13062006)
414316.08	3773937.64	6004.10030	(16111608)	414666.08	3773937.64	9373.23106	(13071906)
414716.08	3773937.64	8539.72915	(14070506)	414766.08	3773937.64	7071.38329	(14092407)
414816.08	3773937.64	6323.91649	(14053106)	414866.08	3773937.64	5531.96419	(14060606)
414916.08	3773937.64	4660.70335	(13062806)	414966.08	3773937.64	3954.59423	(13072206)
415016.08	3773937.64	3636.64360	(14052606)	414016.08	3773987.64	2579.04553	(16101107)
414066.08	3773987.64	2870.91324	(16101107)	414116.08	3773987.64	3390.02289	(12112008)

414166.08	3773987.64	4066.31967 (12112008)	414216.08	3773987.64	4686.21858 (12112008)
414266.08	3773987.64	5295.52643 (14092207)	414316.08	3773987.64	7046.92928 (13062006)
414666.08	3773987.64	12449.76320 (15060806)	414716.08	3773987.64	10024.34560 (14092407)
414766.08	3773987.64	8632.70982 (14053106)	414816.08	3773987.64	7143.05911 (13062806)
414866.08	3773987.64	5818.90053 (13062806)	414916.08	3773987.64	5045.52458 (14052606)
414966.08	3773987.64	4484.01903 (14052606)	415016.08	3773987.64	4040.97280 (14061706)
414016.08	3774037.64	3063.75500 (13071606)	414066.08	3774037.64	3402.51290 (13071606)
414116.08	3774037.64	3680.81610 (13071606)	414166.08	3774037.64	4019.17509 (16101107)

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA11 ***

INCLUDING SOURCE(S): AREA11 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
414216.08	3774037.64	4666.41713 (16101107)	414266.08	3774037.64	5993.10842 (12112008)
414316.08	3774037.64	7466.92014 (14012908)	414666.08	3774037.64	15495.69569 (14092407)
414716.08	3774037.64	12910.68751 (14060606)	414766.08	3774037.64	10051.43331 (13062806)
414816.08	3774037.64	7829.23646 (14052606)	414866.08	3774037.64	6631.56775 (14052606)
414916.08	3774037.64	5831.17811 (14061706)	414966.08	3774037.64	4961.47303 (14061706)
415016.08	3774037.64	4223.40552 (12062406)	414016.08	3774087.64	3126.31543 (15020408)
414066.08	3774087.64	3606.23971 (13071606)	414116.08	3774087.64	4214.35298 (13071606)
414166.08	3774087.64	4905.61351 (13071606)	414216.08	3774087.64	5764.31699 (13071606)
414266.08	3774087.64	6690.26930 (13071606)	414316.08	3774087.64	7594.06402 (16101107)
414666.08	3774087.64	22348.11142 (14060606)	414716.08	3774087.64	14883.85298 (13072206)
414766.08	3774087.64	11778.66135 (14061706)	414816.08	3774087.64	9222.47124 (14061706)
414866.08	3774087.64	7159.53664 (12062406)	414916.08	3774087.64	5895.64297 (15062506)
414966.08	3774087.64	5041.11047 (15062506)	415016.08	3774087.64	4348.84381 (15062506)
414016.08	3774137.64	3019.74751 (15092507)	414066.08	3774137.64	3394.62923 (15092507)
414116.08	3774137.64	3895.92149 (15092507)	414166.08	3774137.64	4522.46061 (15092507)
414216.08	3774137.64	5450.78961 (15020408)	414266.08	3774137.64	6787.57344 (15020408)
414316.08	3774137.64	8746.68029 (15020408)	414666.08	3774137.64	28648.69209 (14061706)
414716.08	3774137.64	17873.69847 (15062506)	414766.08	3774137.64	12485.55920 (15062506)
414816.08	3774137.64	9082.05335 (15062506)	414866.08	3774137.64	6849.68149 (15062506)
414916.08	3774137.64	5610.19145 (13051406)	414966.08	3774137.64	4735.39945 (13051406)
415016.08	3774137.64	4079.91711 (13051406)	414016.08	3774187.64	3146.12462 (14060406)
414066.08	3774187.64	3644.26779 (14060406)	414116.08	3774187.64	4167.99927 (14060406)
414166.08	3774187.64	4929.29492 (14060406)	414216.08	3774187.64	5944.27331 (14060406)
414266.08	3774187.64	7258.44582 (14060406)	414316.08	3774187.64	9189.93780 (14060406)
414666.08	3774187.64	28960.71068 (13111908)	414716.08	3774187.64	18560.24575 (13111908)
414766.08	3774187.64	13033.43901 (15062406)	414816.08	3774187.64	9791.80645 (15062406)
414866.08	3774187.64	7668.40123 (15062406)	414916.08	3774187.64	6195.46524 (15062406)
414966.08	3774187.64	5147.99046 (15062406)	415016.08	3774187.64	4340.84601 (15062406)
414016.08	3774237.64	3198.25124 (14060106)	414066.08	3774237.64	3588.37026 (14060106)
414116.08	3774237.64	4031.17887 (14060106)	414166.08	3774237.64	4810.81213 (16101007)
414216.08	3774237.64	5735.94372 (16101007)	414266.08	3774237.64	6853.36504 (16101007)

414316.08	3774237.64	8501.03029 (16120508)	414666.08	3774237.64	23102.51825 (14100107)
414716.08	3774237.64	14832.08359 (14071306)	414766.08	3774237.64	12056.22123 (14071306)
414816.08	3774237.64	9285.01520 (12071406)	414866.08	3774237.64	7251.22616 (12071406)
414916.08	3774237.64	6077.82347 (13111908)	414966.08	3774237.64	5259.33435 (13111908)
415016.08	3774237.64	4524.56842 (13111908)	414016.08	3774287.64	3132.68294 (16101007)
414066.08	3774287.64	3515.69837 (14112908)	414116.08	3774287.64	3991.19203 (14112908)
414166.08	3774287.64	4735.17643 (16120508)	414216.08	3774287.64	5590.26784 (16120508)
414266.08	3774287.64	6776.59119 (16093007)	414316.08	3774287.64	8032.15730 (15071806)
414666.08	3774287.64	16866.99065 (12052206)	414716.08	3774287.64	12642.48028 (14100107)

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA11 ***

INCLUDING SOURCE(S): AREA11 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
414766.08	3774287.64	10376.69151 (14100107)	414816.08	3774287.64	7477.11316 (12071219)
414866.08	3774287.64	6886.12817 (14071306)	414916.08	3774287.64	5916.40344 (14071306)
414966.08	3774287.64	5015.52089 (12071406)	415016.08	3774287.64	4334.74928 (12071406)
414016.08	3774337.64	3111.43013 (16120508)	414066.08	3774337.64	3511.54982 (16120508)
414116.08	3774337.64	4026.60454 (16093007)	414166.08	3774337.64	4638.33404 (16093007)
414216.08	3774337.64	5258.98211 (15071806)	414266.08	3774337.64	6295.20103 (15071806)
414316.08	3774337.64	7056.37567 (12061706)	414366.08	3774337.64	8440.51772 (16120908)
414416.08	3774337.64	10406.38341 (13071806)	414466.08	3774337.64	12414.03626 (15120908)
414516.08	3774337.64	12791.09027 (13032507)	414566.08	3774337.64	12981.30226 (12120808)
414666.08	3774337.64	12921.50487 (14070606)	414716.08	3774337.64	11045.32897 (12052206)
414766.08	3774337.64	8481.45580 (14101807)	414816.08	3774337.64	7718.38220 (14100107)
414866.08	3774337.64	6041.34676 (12071219)	414916.08	3774337.64	4740.00433 (12071219)
414966.08	3774337.64	4547.57306 (14071306)	415016.08	3774337.64	4181.62540 (14071306)
414016.08	3774387.64	3103.34933 (16093007)	414066.08	3774387.64	3432.09099 (16093007)
414116.08	3774387.64	3794.42200 (15071806)	414166.08	3774387.64	4417.88704 (15071806)
414216.08	3774387.64	4949.04995 (12061706)	414266.08	3774387.64	5136.74500 (16072106)
414316.08	3774387.64	6320.85880 (16120908)	414366.08	3774387.64	7435.70335 (13071806)
414416.08	3774387.64	8455.98522 (15120908)	414466.08	3774387.64	8154.10446 (15120908)
414516.08	3774387.64	8808.00861 (13032507)	414566.08	3774387.64	9514.03208 (12120808)
414616.08	3774387.64	9363.98340 (12072006)	414666.08	3774387.64	9013.77925 (13070206)
414716.08	3774387.64	8962.19389 (14070606)	414766.08	3774387.64	7888.12859 (12052206)
414816.08	3774387.64	6255.89188 (14101807)	414866.08	3774387.64	5834.06596 (14100107)
414916.08	3774387.64	5005.79482 (14100107)	414966.08	3774387.64	4184.53416 (12071219)
415016.08	3774387.64	3397.87622 (12071219)	414016.08	3774437.64	2918.26786 (15071806)
414066.08	3774437.64	3327.81712 (15071806)	414116.08	3774437.64	3662.72311 (12061706)
414166.08	3774437.64	3853.47931 (12061706)	414216.08	3774437.64	4219.02224 (16072106)
414266.08	3774437.64	4963.19604 (16120908)	414316.08	3774437.64	5686.99873 (13071806)
414366.08	3774437.64	5944.82719 (15120908)	414416.08	3774437.64	6981.22894 (15120908)
414466.08	3774437.64	7075.55150 (13032507)	414516.08	3774437.64	6893.06283 (12102207)
414566.08	3774437.64	7395.80127 (12120808)	414616.08	3774437.64	7158.26112 (12072006)

414666.08	3774437.64	7396.71863	(13070206)	414716.08	3774437.64	7271.40925	(14070606)
414766.08	3774437.64	6177.70714	(14070606)	414816.08	3774437.64	5999.58849	(12052206)
414866.08	3774437.64	4903.59084	(14101807)	414916.08	3774437.64	4495.37468	(14100107)
414966.08	3774437.64	4231.25169	(14100107)	415016.08	3774437.64	3541.57827	(12071219)
414016.08	3774487.64	2852.28696	(12061706)	414066.08	3774487.64	3039.75469	(12061706)
414116.08	3774487.64	3013.78241	(16072106)	414166.08	3774487.64	3518.03004	(16120908)
414216.08	3774487.64	4029.43810	(16120908)	414266.08	3774487.64	4535.47624	(13071806)
414316.08	3774487.64	4807.83790	(13071806)	414366.08	3774487.64	5609.83759	(15120908)
414416.08	3774487.64	4926.20388	(15120908)	414466.08	3774487.64	5860.73101	(13032507)
414516.08	3774487.64	5616.51460	(12102207)	414566.08	3774487.64	5978.16466	(12120808)

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA11 ***

INCLUDING SOURCE(S): AREA11 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
414616.08	3774487.64	5657.14727	(12072006)	414666.08	3774487.64	5792.54324	(13070206)
414716.08	3774487.64	5389.06268	(13070206)	414766.08	3774487.64	5851.59572	(14070606)
414816.08	3774487.64	4976.91443	(12052206)	414866.08	3774487.64	4770.74453	(12052206)
414916.08	3774487.64	3968.96323	(14101807)	414966.08	3774487.64	3557.63793	(14100107)
415016.08	3774487.64	3551.71213	(14100107)	414016.08	3774537.64	2462.41037	(12061706)
414066.08	3774537.64	2662.36150	(16072106)	414116.08	3774537.64	3001.86480	(16120908)
414166.08	3774537.64	3348.90419	(16120908)	414216.08	3774537.64	3691.72927	(13071806)
414266.08	3774537.64	4023.13432	(13071806)	414316.08	3774537.64	4491.76819	(15120908)
414366.08	3774537.64	4562.87286	(15120908)	414416.08	3774537.64	4584.97266	(13032507)
414466.08	3774537.64	4727.26518	(13032507)	414516.08	3774537.64	4630.36807	(12102207)
414566.08	3774537.64	4983.54999	(12120808)	414616.08	3774537.64	4514.43865	(12072006)
414666.08	3774537.64	4766.72756	(12072006)	414716.08	3774537.64	4853.24709	(13070206)
414766.08	3774537.64	4821.18245	(14070606)	414816.08	3774537.64	4598.53098	(14070606)
414866.08	3774537.64	4181.90189	(12052206)	414916.08	3774537.64	3882.05067	(12052206)
414966.08	3774537.64	3307.98719	(14101807)	415016.08	3774537.64	2969.91286	(14101807)
414016.08	3774587.64	2357.14178	(16072106)	414066.08	3774587.64	2651.52371	(16120908)
414116.08	3774587.64	2847.78895	(16120908)	414166.08	3774587.64	3097.52889	(13071806)
414216.08	3774587.64	3407.16544	(13071806)	414266.08	3774587.64	3567.21063	(15120908)
414316.08	3774587.64	4019.88871	(15120908)	414366.08	3774587.64	3316.42991	(15120908)
414416.08	3774587.64	4128.15021	(13032507)	414466.08	3774587.64	3772.20985	(12102207)
414516.08	3774587.64	3866.37247	(12102207)	414566.08	3774587.64	4246.65698	(12120808)
414616.08	3774587.64	3693.52068	(12072006)	414666.08	3774587.64	4168.83753	(12072006)
414716.08	3774587.64	4203.51308	(13070206)	414766.08	3774587.64	3633.93738	(13070206)
414816.08	3774587.64	4197.62784	(14070606)	414866.08	3774587.64	3564.26647	(14070606)
414916.08	3774587.64	3564.93758	(12052206)	414966.08	3774587.64	3256.13669	(12052206)
415016.08	3774587.64	2831.87748	(14101807)	414016.08	3774637.64	2334.52577	(16120908)
414066.08	3774637.64	2457.01186	(16120908)	414116.08	3774637.64	2690.28852	(13071806)
414166.08	3774637.64	2947.73158	(13071806)	414216.08	3774637.64	2889.21570	(15120908)
414266.08	3774637.64	3427.99301	(15120908)	414316.08	3774637.64	3260.04822	(15120908)

414366.08	3774637.64	3268.81108	(13032507)	414416.08	3774637.64	3620.41318	(13032507)
414466.08	3774637.64	3422.43673	(12102207)	414516.08	3774637.64	3326.14968	(12120808)
414566.08	3774637.64	3684.69047	(12120808)	414616.08	3774637.64	3114.05198	(15080503)
414666.08	3774637.64	3637.99134	(12072006)	414716.08	3774637.64	3552.07416	(13070206)
414766.08	3774637.64	3443.48730	(13070206)	414816.08	3774637.64	3474.07523	(14070606)
414866.08	3774637.64	3542.90790	(14070606)	414916.08	3774637.64	2872.92191	(12052206)
414966.08	3774637.64	3082.48918	(12052206)	415016.08	3774637.64	2805.30568	(12052206)
414361.21	3774308.59	8999.97268	(12061706)	414586.99	3774306.89	15330.50330	(12072006)
414586.99	3774347.63	10936.42127	(12120808)	414636.22	3774347.63	12222.69342	(13070206)
414629.43	3773930.02	9566.32647	(13062606)	414359.51	3773930.02	6151.14991	(12070906)
414406.37	3774308.25	10954.57471	(16120908)	414451.52	3774307.91	13578.00307	(13071806)

*** AERMOD - VERSION 19191 *** *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc *** 05/24/21
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA11 ***

INCLUDING SOURCE(S): AREA11 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
414496.68	3774307.57	15548.48623	(15120908)	414541.83	3774307.23	15251.18240	(12102207)
414635.47	3774301.23	16642.16606	(14070606)	414634.71	3774254.83	24872.38149	(14070606)
414633.96	3774208.43	38012.90555	(14100107)	414633.20	3774162.03	44041.99317	(15062506)
414632.45	3774115.62	36095.03437	(14060606)	414631.69	3774069.22	24787.20259	(14070506)
414630.94	3774022.82	16884.29381	(13071906)	414630.18	3773976.42	12522.38721	(15061606)
414584.44	3773930.02	8102.58412	(14053006)	414539.46	3773930.02	7656.83223	(16050906)
414494.47	3773930.02	7694.81680	(12100807)	414449.48	3773930.02	6572.49543	(12100807)
414404.50	3773930.02	7654.01839	(15061806)	414359.72	3773977.34	7733.34823	(16111608)
414359.94	3774024.66	8132.36642	(13062006)	414360.15	3774071.98	9535.32236	(12112008)
414360.36	3774119.31	11287.15550	(13071606)	414360.57	3774166.63	10951.85377	(15092507)
414360.79	3774213.95	10991.34502	(16101007)	414361.00	3774261.27	10474.71316	(16093007)
414651.22	3774193.13	33631.71878	(14071306)	414651.22	3774219.08	29454.80790	(14100107)
414651.87	3774247.64	23742.56944	(12052206)	414651.87	3774278.78	18920.51290	(14070606)
414651.87	3774298.90	17340.65023	(14070606)	414652.52	3774320.31	14656.98778	(14070606)
414651.87	3774365.09	10635.10762	(13070206)	414653.17	3774345.62	11393.24041	(14070606)
414649.27	3774056.86	19726.00009	(14070506)	414651.22	3774134.08	33163.38277	(14061706)
414650.57	3774166.52	33952.31864	(15062406)	414647.97	3774014.03	15409.80220	(15060806)
414248.25	3774308.63	6130.11037	(16093007)	414246.95	3774293.71	6262.58727	(16093007)
414246.30	3774277.48	6255.51387	(16120508)	414246.30	3774261.91	6302.12592	(16120508)
414246.95	3774244.39	6316.51813	(14112908)	414245.65	3774234.01	6389.14937	(16101007)
414246.30	3774219.73	6403.12502	(16101007)	414245.65	3774206.11	6608.80991	(14060406)
414245.00	3774187.94	6626.65212	(14060406)	414244.36	3774168.47	6233.95749	(15092507)
414244.36	3774156.14	6233.92387	(15092507)	414244.36	3774136.02	6158.65627	(15020408)
414241.76	3774052.96	5168.85579	(16101107)	414242.41	3774036.74	5334.44251	(12112008)
414243.06	3774017.27	5374.64726	(12112008)	414243.06	3773979.64	4887.69146	(14092207)
414239.81	3773932.92	4822.85558	(13062006)	414239.16	3773893.33	4444.80964	(16111608)
414646.03	3773967.31	11599.55403	(15061606)	414647.97	3773917.34	8812.49279	(15061606)
414646.03	3773895.93	7853.45498	(13062606)	414646.68	3773877.11	7270.65151	(13062606)

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    414646.68  3773841.42   6307.39141 (13062606)      414644.73  3773799.89   5369.27450 (13062606)
    414649.92  3774091.90  25605.87507 (14053106)      414651.87  3774207.40  29024.70321 (14071306)
    414647.28  3773769.60   4780.01114 (14062906)      414647.28  3773722.90   4148.07426 (14062906)
    414588.50  3773543.39   2632.59058 (14053006)      414530.55  3773519.46   2160.84987 (12100407)
    414486.45  3773503.08   2255.33793 (16050906)      414427.23  3773494.26   2146.89831 (12101107)
    414356.68  3773470.32   1974.95406 (12100807)      414273.52  3773436.30   1850.30184 (12100807)
    414053.04  3773606.39   1780.55318 (12070906)      414834.19  3774266.59   8241.65107 (14071306)
  *** AERMOD - VERSION 19191 ***  *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc
***      05/24/21
 *** AERMET - VERSION 16216 ***  ***                                          ***      12:11:05
                                                                    PAGE 185
 *** MODELOPTs:   RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                  *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP:
AREA12  ***
                     INCLUDING SOURCE(S):    AREA12     ,

                              *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                           ** CONC OF OTHER    IN MICROGRAMS/M**3                  **

    X-COORD (M)  Y-COORD (M)       CONC     (YYMMDDHH)          X-COORD (M)  Y-COORD (M)       CONC
(YYMMDDHH)
 ------------------------------------------------------------------
    414016.08  3773637.64   2353.39193 (16111608)      414066.08  3773637.64   2380.98045 (12070906)
    414116.08  3773637.64   2243.27408 (12070906)      414166.08  3773637.64   2071.59947 (15061806)
    414216.08  3773637.64   2342.71695 (15061806)      414266.08  3773637.64   2395.36880 (15061806)
    414316.08  3773637.64   2228.53140 (15071406)      414366.08  3773637.64   2548.83046 (12100807)
    414416.08  3773637.64   2666.11933 (12100807)      414466.08  3773637.64   2726.09268 (12101107)
    414516.08  3773637.64   2759.62075 (16050906)      414566.08  3773637.64   3675.48261 (14053006)
    414616.08  3773637.64   3919.51918 (14053006)      414666.08  3773637.64   3880.71303 (14062906)
    414716.08  3773637.64   3710.35319 (15061606)      414766.08  3773637.64   3715.32408 (13071906)
    414816.08  3773637.64   3595.18697 (15060806)      414866.08  3773637.64   3418.48358 (14070506)
    414916.08  3773637.64   2925.85587 (13100807)      414966.08  3773637.64   2808.79958 (14092407)
    415016.08  3773637.64   2734.29882 (12071806)      414016.08  3773687.64   2540.50205 (16111608)
    414066.08  3773687.64   2725.44338 (16111608)      414116.08  3773687.64   1979.37868 (16111608)
    414166.08  3773687.64   2050.08243 (12070906)      414216.08  3773687.64   2280.14620 (15061806)
    414266.08  3773687.64   2525.17135 (15061806)      414316.08  3773687.64   2539.40392 (15061806)
    414366.08  3773687.64   2746.55812 (12100807)      414416.08  3773687.64   3103.33898 (12100807)
    414466.08  3773687.64   3135.70651 (12101107)      414516.08  3773687.64   3207.77649 (16050906)
    414566.08  3773687.64   4197.41354 (14053006)      414616.08  3773687.64   4413.09050 (14053006)
    414666.08  3773687.64   4470.56491 (13062606)      414716.08  3773687.64   4384.47356 (15061606)
    414766.08  3773687.64   3977.81411 (13071906)      414816.08  3773687.64   3968.05105 (14070506)
    414866.08  3773687.64   3441.79056 (14070506)      414916.08  3773687.64   3230.95220 (14092407)
    414966.08  3773687.64   3141.30039 (12071806)      415016.08  3773687.64   2871.11347 (14053106)
    414016.08  3773737.64   2672.95718 (13062006)      414066.08  3773737.64   2936.75705 (13062006)
    414116.08  3773737.64   2285.08400 (16111608)      414166.08  3773737.64   2279.53394 (16111608)
    414216.08  3773737.64   2309.09255 (12070906)      414266.08  3773737.64   2658.20328 (15061806)
    414316.08  3773737.64   2968.67857 (15061806)      414366.08  3773737.64   2989.79503 (15061806)
    414416.08  3773737.64   3600.77962 (12100807)      414466.08  3773737.64   3636.87846 (12101107)
    414516.08  3773737.64   3769.96014 (16050906)      414566.08  3773737.64   4843.77228 (14053006)
    414616.08  3773737.64   5037.46305 (14062906)      414666.08  3773737.64   5143.95996 (13062606)
    414716.08  3773737.64   4982.62006 (15061606)      414766.08  3773737.64   4720.70428 (15060806)
    414816.08  3773737.64   4376.05110 (14070506)      414866.08  3773737.64   3728.63863 (14092407)
    414916.08  3773737.64   3648.79680 (12071806)      414966.08  3773737.64   3332.05497 (14053106)
    415016.08  3773737.64   3184.20114 (14060606)      414016.08  3773787.64   2593.54631 (12070806)
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414066.08	3773787.64	3027.79569	(12070806)	414116.08	3773787.64	3093.94955	(13062006)
414166.08	3773787.64	2675.86687	(16111608)	414216.08	3773787.64	2782.39383	(16111608)
414266.08	3773787.64	2946.60799	(12070906)	414316.08	3773787.64	3493.98142	(15061806)
414366.08	3773787.64	3774.76486	(15061806)	414416.08	3773787.64	4197.11716	(12100807)
414466.08	3773787.64	4539.29489	(12100807)	414516.08	3773787.64	4522.10505	(16050906)
414566.08	3773787.64	5572.04220	(14053006)	414616.08	3773787.64	6021.80414	(14062906)
414666.08	3773787.64	5797.05519	(13062606)	414716.08	3773787.64	5590.95687	(13071906)
414766.08	3773787.64	5367.37513	(14070506)	414816.08	3773787.64	4502.41694	(13100807)

*** AERMOD - VERSION 19191 *** *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc *** 05/24/21

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA12 ***

INCLUDING SOURCE(S): AREA12 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
414866.08	3773787.64	4311.29429	(12071806)	414916.08	3773787.64	3926.22853	(14053106)
414966.08	3773787.64	3762.43276	(14060606)	415016.08	3773787.64	3373.78652	(14060606)
414016.08	3773837.64	2762.00037	(14012908)	414066.08	3773837.64	2823.18387	(14092207)
414116.08	3773837.64	3428.86561	(12070806)	414166.08	3773837.64	3999.80397	(13062006)
414216.08	3773837.64	4404.99561	(16111608)	414266.08	3773837.64	4030.08838	(16111608)
414316.08	3773837.64	3764.26461	(12070906)	414366.08	3773837.64	4678.67268	(15061806)
414416.08	3773837.64	4816.98579	(15061806)	414466.08	3773837.64	5669.31777	(12100807)
414516.08	3773837.64	5575.28361	(12101107)	414566.08	3773837.64	6281.54370	(14053006)
414616.08	3773837.64	7225.80784	(14062906)	414666.08	3773837.64	7039.57741	(15061606)
414716.08	3773837.64	6618.55734	(15060806)	414766.08	3773837.64	5793.62022	(14070506)
414816.08	3773837.64	5203.37329	(14092407)	414866.08	3773837.64	4739.75279	(14053106)
414916.08	3773837.64	4510.27135	(14060606)	414966.08	3773837.64	3866.78682	(13062806)
415016.08	3773837.64	3561.88405	(13062806)	414016.08	3773887.64	2888.39197	(13051906)
414066.08	3773887.64	3279.99213	(14012908)	414116.08	3773887.64	3527.58485	(14012908)
414166.08	3773887.64	3783.25404	(12070806)	414216.08	3773887.64	4659.67384	(12070806)
414266.08	3773887.64	5342.06008	(13062006)	414316.08	3773887.64	5630.93788	(16111608)
414366.08	3773887.64	5996.59369	(12070906)	414416.08	3773887.64	7950.23490	(15061806)
414466.08	3773887.64	8551.67479	(12100807)	414516.08	3773887.64	7183.87466	(12101107)
414566.08	3773887.64	7555.48010	(14053006)	414616.08	3773887.64	8716.52531	(14062906)
414666.08	3773887.64	8349.54969	(13071906)	414716.08	3773887.64	7791.01084	(14070506)
414766.08	3773887.64	6561.84621	(14092407)	414816.08	3773887.64	5883.06997	(14053106)
414866.08	3773887.64	5484.19946	(14060606)	414916.08	3773887.64	4727.44157	(13062806)
414966.08	3773887.64	4011.04505	(13062806)	415016.08	3773887.64	3706.97887	(13072206)
414016.08	3773937.64	2880.40784	(16101107)	414066.08	3773937.64	3153.08684	(13051906)
414116.08	3773937.64	3704.53166	(13051906)	414166.08	3773937.64	4296.92813	(14012908)
414216.08	3773937.64	4682.87529	(14012908)	414266.08	3773937.64	5545.18169	(12070806)
414316.08	3773937.64	6765.74180	(13062006)	414666.08	3773937.64	10310.22448	(15060806)
414716.08	3773937.64	8494.28126	(14092407)	414766.08	3773937.64	7618.70171	(14053106)
414816.08	3773937.64	6846.33948	(14060606)	414866.08	3773937.64	5817.03088	(13062806)
414916.08	3773937.64	4994.83284	(13072206)	414966.08	3773937.64	4495.12716	(14052606)
415016.08	3773937.64	4003.49585	(14052606)	414016.08	3773987.64	3110.14245	(13071606)

414066.08	3773987.64	3244.70040 (16101107)	414116.08	3773987.64	3748.62117 (16101107)
414166.08	3773987.64	4212.17242 (16101107)	414216.08	3773987.64	4943.50183 (13051906)
414266.08	3773987.64	5982.42373 (14012908)	414316.08	3773987.64	6545.04571 (14092207)
414666.08	3773987.64	12690.59678 (14070506)	414716.08	3773987.64	10461.67294 (14053106)
414766.08	3773987.64	8714.39628 (13062806)	414816.08	3773987.64	6958.30340 (13072206)
414866.08	3773987.64	6287.21434 (14052606)	414916.08	3773987.64	5396.07911 (14061706)
414966.08	3773987.64	4960.31369 (14061706)	415016.08	3773987.64	4251.60667 (16062606)
414016.08	3774037.64	3483.00969 (13071606)	414066.08	3774037.64	3915.63896 (13071606)
414116.08	3774037.64	4402.91795 (13071606)	414166.08	3774037.64	4878.70153 (13071606)

*** AERMOD - VERSION 19191 *** *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc *** 05/24/21
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA12 ***

INCLUDING SOURCE(S): AREA12 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
414216.08	3774037.64	5294.11732 (13071606)	414266.08	3774037.64	5950.03352 (16101107)
414316.08	3774037.64	6583.16999 (16101107)	414666.08	3774037.64	16061.48102 (14053106)
414716.08	3774037.64	12426.27386 (13062806)	414766.08	3774037.64	9777.73897 (14052606)
414816.08	3774037.64	8307.46684 (14061706)	414866.08	3774037.64	6808.99772 (14061706)
414916.08	3774037.64	5745.95844 (12062406)	414966.08	3774037.64	4958.65031 (14070706)
415016.08	3774037.64	4366.16809 (15062506)	414016.08	3774087.64	3191.23393 (15071306)
414066.08	3774087.64	3585.02468 (15071306)	414116.08	3774087.64	4074.39169 (15020408)
414166.08	3774087.64	4797.20886 (15020408)	414216.08	3774087.64	5703.59222 (15020408)
414266.08	3774087.64	6830.35389 (15020408)	414316.08	3774087.64	7877.65452 (13071606)
414666.08	3774087.64	21280.74846 (14052606)	414716.08	3774087.64	14272.58553 (14061706)
414766.08	3774087.64	10670.58258 (14070706)	414816.08	3774087.64	8532.51975 (15062506)
414866.08	3774087.64	6909.57722 (15062506)	414916.08	3774087.64	5593.18146 (15062506)
414966.08	3774087.64	4631.14614 (13072506)	415016.08	3774087.64	4031.45358 (12051506)
414016.08	3774137.64	3204.05269 (15092507)	414066.08	3774137.64	3599.71874 (15092507)
414116.08	3774137.64	4086.20396 (15092507)	414166.08	3774137.64	4687.08565 (15092507)
414216.08	3774137.64	5455.71278 (15092507)	414266.08	3774137.64	6477.29684 (15092507)
414316.08	3774137.64	7387.12116 (15092507)	414666.08	3774137.64	24448.74650 (15062406)
414716.08	3774137.64	14446.65464 (15062406)	414766.08	3774137.64	10318.90639 (15062406)
414816.08	3774137.64	7992.32041 (15062406)	414866.08	3774137.64	6481.89714 (13071506)
414916.08	3774137.64	5398.92909 (13071506)	414966.08	3774137.64	4599.22022 (13071506)
415016.08	3774137.64	4015.53963 (13071506)	414016.08	3774187.64	3505.09836 (14060406)
414066.08	3774187.64	3888.59887 (14060406)	414116.08	3774187.64	4342.25512 (14060106)
414166.08	3774187.64	4880.58972 (14060106)	414216.08	3774187.64	5542.75004 (16101007)
414266.08	3774187.64	6670.45706 (16101007)	414316.08	3774187.64	7785.10618 (16101007)
414666.08	3774187.64	19630.12844 (14100107)	414716.08	3774187.64	13979.47387 (14071306)
414766.08	3774187.64	10627.62935 (12071406)	414816.08	3774187.64	8084.27759 (12071406)
414866.08	3774187.64	7041.48871 (13111908)	414916.08	3774187.64	6012.37906 (13111908)
414966.08	3774187.64	5146.36719 (13111908)	415016.08	3774187.64	4515.06418 (15062406)
414016.08	3774237.64	3379.70655 (16101007)	414066.08	3774237.64	3760.20662 (16101007)
414116.08	3774237.64	4180.77767 (14112908)	414166.08	3774237.64	4697.01571 (14112908)

414216.08	3774237.64	5495.92315	(16120508)	414266.08	3774237.64	6439.73894	(16120508)
414316.08	3774237.64	7693.45264	(16093007)	414666.08	3774237.64	15326.56261	(12052206)
414716.08	3774237.64	11902.09820	(14100107)	414766.08	3774237.64	8879.60630	(12071219)
414816.08	3774237.64	7527.76114	(14071306)	414866.08	3774237.64	6734.41855	(14071306)
414916.08	3774237.64	5680.89839	(12071406)	414966.08	3774237.64	4949.68209	(12071406)
415016.08	3774237.64	4195.71294	(12071406)	414016.08	3774287.64	3190.64847	(16120508)
414066.08	3774287.64	3680.48748	(16120508)	414116.08	3774287.64	4118.38357	(16120508)
414166.08	3774287.64	4692.06518	(16093007)	414216.08	3774287.64	5294.20322	(16093007)
414266.08	3774287.64	6128.52635	(15071806)	414316.08	3774287.64	7071.05007	(12061706)
414666.08	3774287.64	11746.62540	(14070606)	414716.08	3774287.64	9873.29161	(12052206)

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA12 ***

INCLUDING SOURCE(S): AREA12 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
414766.08	3774287.64	7980.85447	(14100107)	414816.08	3774287.64	6987.41603	(14100107)
414866.08	3774287.64	5658.44641	(12071219)	414916.08	3774287.64	4846.99815	(14071306)
414966.08	3774287.64	4717.95778	(14071306)	415016.08	3774287.64	4240.18330	(14071306)
414016.08	3774337.64	3192.22680	(16093007)	414066.08	3774337.64	3618.84991	(16093007)
414116.08	3774337.64	3890.22473	(16093007)	414166.08	3774337.64	4465.31227	(15071806)
414216.08	3774337.64	5010.69883	(12061706)	414266.08	3774337.64	5173.29440	(12061706)
414316.08	3774337.64	6014.05242	(16120908)	414366.08	3774337.64	6812.57228	(13071806)
414416.08	3774337.64	7450.31648	(15120908)	414466.08	3774337.64	7946.09544	(15120908)
414516.08	3774337.64	8352.58392	(13032507)	414566.08	3774337.64	8957.54941	(12120808)
414666.08	3774337.64	8100.75657	(13070206)	414716.08	3774337.64	7826.86219	(14070606)
414766.08	3774337.64	7230.36958	(12052206)	414816.08	3774337.64	5962.35235	(14101807)
414866.08	3774337.64	5801.12924	(14100107)	414916.08	3774337.64	4799.51659	(12071219)
414966.08	3774337.64	3972.46459	(12071219)	415016.08	3774337.64	3439.37204	(14071306)
414016.08	3774387.64	2980.46934	(16093007)	414066.08	3774387.64	3445.66609	(15071806)
414116.08	3774387.64	3791.92738	(15071806)	414166.08	3774387.64	4073.06329	(12061706)
414216.08	3774387.64	4211.42395	(16072106)	414266.08	3774387.64	4968.32818	(16120908)
414316.08	3774387.64	5360.27141	(13071806)	414366.08	3774387.64	5975.84198	(13071806)
414416.08	3774387.64	6896.47300	(15120908)	414466.08	3774387.64	6702.83993	(13032507)
414516.08	3774387.64	6684.15501	(12102207)	414566.08	3774387.64	7143.54638	(12120808)
414616.08	3774387.64	6902.48898	(12072006)	414666.08	3774387.64	7121.97925	(13070206)
414716.08	3774387.64	7075.03551	(14070606)	414766.08	3774387.64	5970.40256	(12052206)
414816.08	3774387.64	5643.20844	(12052206)	414866.08	3774387.64	4890.12009	(14101807)
414916.08	3774387.64	4665.50482	(14100107)	414966.08	3774387.64	4135.05788	(14100107)
415016.08	3774387.64	3619.82705	(12071219)	414016.08	3774437.64	3019.45518	(15071806)
414066.08	3774437.64	3256.29820	(12061706)	414116.08	3774437.64	3237.54052	(12061706)
414166.08	3774437.64	3638.30177	(16072106)	414216.08	3774437.64	4154.89630	(16120908)
414266.08	3774437.64	4373.64722	(13071806)	414316.08	3774437.64	4929.54249	(13071806)
414366.08	3774437.64	5499.87005	(15120908)	414416.08	3774437.64	4878.45109	(15120908)
414466.08	3774437.64	5821.88649	(13032507)	414516.08	3774437.64	5599.77149	(12102207)

414566.08	3774437.64	5889.97644	(12120808)	414616.08	3774437.64	5484.59415	(12072006)
414666.08	3774437.64	5764.93175	(13070206)	414716.08	3774437.64	5035.16460	(14070606)
414766.08	3774437.64	5632.13848	(14070606)	414816.08	3774437.64	5022.10223	(12052206)
414866.08	3774437.64	4513.54276	(12052206)	414916.08	3774437.64	4051.76580	(14101807)
414966.08	3774437.64	3744.90724	(14100107)	415016.08	3774437.64	3615.40692	(14100107)
414016.08	3774487.64	2716.31167	(12061706)	414066.08	3774487.64	2743.84268	(16072106)
414116.08	3774487.64	3152.39122	(16072106)	414166.08	3774487.64	3525.62667	(16120908)
414216.08	3774487.64	3656.89600	(13071806)	414266.08	3774487.64	4179.68323	(13071806)
414316.08	3774487.64	4325.19036	(15120908)	414366.08	3774487.64	4648.68509	(15120908)
414416.08	3774487.64	4380.64120	(13032507)	414466.08	3774487.64	4741.58735	(13032507)
414516.08	3774487.64	4664.57595	(12102207)	414566.08	3774487.64	4994.42732	(12120808)

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA12 ***

INCLUDING SOURCE(S): AREA12 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
414616.08	3774487.64	4378.74380	(12072006)	414666.08	3774487.64	4650.58124	(12072006)
414716.08	3774487.64	4722.19341	(13070206)	414766.08	3774487.64	4864.81994	(14070606)
414816.08	3774487.64	4313.59126	(14070606)	414866.08	3774487.64	4279.58500	(12052206)
414916.08	3774487.64	3759.63500	(12052206)	414966.08	3774487.64	3434.03203	(14101807)
415016.08	3774487.64	3057.94231	(14100107)	414016.08	3774537.64	2480.01467	(16072106)
414066.08	3774537.64	2741.72812	(16072106)	414116.08	3774537.64	3051.53418	(16120908)
414166.08	3774537.64	3111.56880	(13071806)	414216.08	3774537.64	3584.52193	(13071806)
414266.08	3774537.64	3389.56798	(15120908)	414316.08	3774537.64	4094.07292	(15120908)
414366.08	3774537.64	3355.96793	(15120908)	414416.08	3774537.64	4177.24896	(13032507)
414466.08	3774537.64	3778.20435	(12102307)	414516.08	3774537.64	3906.23576	(12102207)
414566.08	3774537.64	4294.53662	(12120808)	414616.08	3774537.64	3707.41028	(16072301)
414666.08	3774537.64	4196.01986	(12072006)	414716.08	3774537.64	4218.40709	(13070206)
414766.08	3774537.64	3633.54965	(14070606)	414816.08	3774537.64	4189.17841	(14070606)
414866.08	3774537.64	3279.35227	(14070606)	414916.08	3774537.64	3657.35932	(12052206)
414966.08	3774537.64	3143.50674	(12052206)	415016.08	3774537.64	2962.33354	(14101807)
414016.08	3774587.64	2427.22270	(16120908)	414066.08	3774587.64	2651.87151	(16120908)
414116.08	3774587.64	2676.66193	(13071806)	414166.08	3774587.64	3101.10965	(13071806)
414216.08	3774587.64	2936.09070	(16040207)	414266.08	3774587.64	3491.42297	(15120908)
414316.08	3774587.64	3362.80611	(15120908)	414366.08	3774587.64	3121.50923	(13032507)
414416.08	3774587.64	3711.32434	(13032507)	414466.08	3774587.64	3433.90416	(12102207)
414516.08	3774587.64	3285.31868	(12102207)	414566.08	3774587.64	3755.19306	(12120808)
414616.08	3774587.64	3248.48447	(15080503)	414666.08	3774587.64	3724.39570	(12072006)
414716.08	3774587.64	3624.46167	(13070206)	414766.08	3774587.64	3403.81921	(13070206)
414816.08	3774587.64	3587.85213	(14070606)	414866.08	3774587.64	3490.14048	(14070606)
414916.08	3774587.64	2952.02441	(12052206)	414966.08	3774587.64	3162.22534	(12052206)
415016.08	3774587.64	2687.20787	(12052206)	414016.08	3774637.64	2348.63067	(16120908)
414066.08	3774637.64	2323.66491	(13071806)	414116.08	3774637.64	2708.60187	(13071806)
414166.08	3774637.64	2614.66068	(13071806)	414216.08	3774637.64	2947.23969	(15120908)

414266.08	3774637.64	3120.97996	(15120908)	414316.08	3774637.64	2551.35998	(13051224)
414366.08	3774637.64	3119.14966	(13032507)	414416.08	3774637.64	3161.17941	(13032507)
414466.08	3774637.64	3126.86908	(12102207)	414516.08	3774637.64	2927.09268	(12120808)
414566.08	3774637.64	3327.79219	(12120808)	414616.08	3774637.64	2878.71858	(14072302)
414666.08	3774637.64	3288.49675	(12072006)	414716.08	3774637.64	3031.61865	(12061406)
414766.08	3774637.64	3198.39401	(13070206)	414816.08	3774637.64	2770.33992	(14070606)
414866.08	3774637.64	3259.98898	(14070606)	414916.08	3774637.64	2827.69812	(14070606)
414966.08	3774637.64	2682.69889	(12052206)	415016.08	3774637.64	2763.02316	(12052206)
414361.21	3774308.59	7456.16454	(16120908)	414586.99	3774306.89	9149.07726	(14072302)
414586.99	3774347.63	7501.04865	(12120808)	414636.22	3774347.63	8419.38579	(13070206)
414629.43	3773930.02	10253.53193	(15061606)	414359.51	3773930.02	7073.18607	(16111608)
414406.37	3774308.25	8653.48143	(13071806)	414451.52	3774307.91	9860.95136	(15120908)

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA12 ***

INCLUDING SOURCE(S): AREA12 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
414496.68	3774307.57	9752.60369	(13032507)	414541.83	3774307.23	10000.31095	(12102207)
414635.47	3774301.23	11046.65221	(13070206)	414634.71	3774254.83	15090.85098	(14070606)
414633.96	3774208.43	23393.87948	(12052206)	414633.20	3774162.03	35900.34788	(14071306)
414632.45	3774115.62	42312.87426	(12062406)	414631.69	3774069.22	26395.10304	(12071806)
414630.94	3774022.82	18115.36908	(15060806)	414630.18	3773976.42	13446.98030	(15061606)
414584.44	3773930.02	12171.39901	(14053006)	414539.46	3773930.02	10505.18725	(16050906)
414494.47	3773930.02	11383.76819	(12100807)	414449.48	3773930.02	9973.67214	(15061806)
414404.50	3773930.02	7389.59658	(15061806)	414359.72	3773977.34	8391.69182	(13062006)
414359.94	3774024.66	9265.79824	(14012908)	414360.15	3774071.98	9461.67458	(13071606)
414360.36	3774119.31	9726.74743	(15092507)	414360.57	3774166.63	9431.52405	(16101007)
414360.79	3774213.95	9194.32088	(16093007)	414361.00	3774261.27	8542.01510	(12061706)
414651.22	3774193.13	22727.80917	(14100107)	414651.22	3774219.08	18898.92790	(12052206)
414651.87	3774247.64	14975.69356	(14070606)	414651.87	3774278.78	12648.87662	(14070606)
414651.87	3774298.90	10318.60584	(14070606)	414652.52	3774320.31	9420.25539	(13070206)
414651.87	3774365.09	7934.81497	(13070206)	414653.17	3774345.62	8627.25991	(13070206)
414649.27	3774056.86	20496.67635	(14053106)	414651.22	3774134.08	29761.72660	(15062406)
414650.57	3774166.52	27251.21673	(14071306)	414647.97	3774014.03	15740.39969	(14070506)
414248.25	3774308.63	5704.05682	(15071806)	414246.95	3774293.71	5734.07258	(15071806)
414246.30	3774277.48	5762.92356	(16093007)	414246.30	3774261.91	6014.83828	(16093007)
414246.95	3774244.39	6030.10142	(16120508)	414245.65	3774234.01	6092.98548	(16120508)
414246.30	3774219.73	5947.99823	(14112908)	414245.65	3774206.11	6124.35898	(14112908)
414245.00	3774187.94	6214.97511	(16101007)	414244.36	3774168.47	6411.98284	(14060406)
414244.36	3774156.14	6465.45875	(14060406)	414244.36	3774136.02	6051.62523	(15092507)
414241.76	3774052.96	6180.32374	(13071606)	414242.41	3774036.74	5466.14533	(13071606)
414243.06	3774017.27	5406.86088	(16101107)	414243.06	3773979.64	5518.97163	(14012908)
414239.81	3773932.92	4825.88528	(12070806)	414239.16	3773893.33	5092.31669	(13062006)
414646.03	3773967.31	12032.32672	(15060806)	414647.97	3773917.34	9841.30357	(15061606)

414646.03	3773895.93	8931.32191	(15061606)	414646.68	3773877.11	8085.47914	(15061606)
414646.68	3773841.42	7198.99361	(13062606)	414644.73	3773799.89	6294.44236	(13062606)
414649.92	3774091.90	26010.95902	(14052606)	414651.87	3774207.40	19134.18729	(14101807)
414647.28	3773769.60	5684.48313	(13062606)	414647.28	3773722.90	4925.17812	(14062906)
414588.50	3773543.39	3237.91120	(14053006)	414530.55	3773519.46	2722.37268	(12100407)
414486.45	3773503.08	2845.09105	(16050906)	414427.23	3773494.26	2740.43719	(12101107)
414356.68	3773470.32	2508.87885	(12100807)	414273.52	3773436.30	2288.60480	(15071406)
414053.04	3773606.39	2292.08122	(12070906)	414834.19	3774266.59	6266.21315	(12071219)

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA13 ***

INCLUDING SOURCE(S): AREA13 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
414016.08	3773637.64	2412.98153	(16111608)	414066.08	3773637.64	2504.81968	(16111608)
414116.08	3773637.64	2075.23350	(12070906)	414166.08	3773637.64	2024.65445	(12070906)
414216.08	3773637.64	2315.83037	(15061806)	414266.08	3773637.64	2593.28550	(15061806)
414316.08	3773637.64	2490.48037	(15061806)	414366.08	3773637.64	2648.64492	(12100807)
414416.08	3773637.64	2922.70388	(12100807)	414466.08	3773637.64	3002.37010	(12101107)
414516.08	3773637.64	3069.61638	(16050906)	414566.08	3773637.64	3834.27818	(14053006)
414616.08	3773637.64	4268.09419	(14053006)	414666.08	3773637.64	4266.14632	(13062606)
414716.08	3773637.64	4194.79752	(15061606)	414766.08	3773637.64	3931.49623	(13071906)
414816.08	3773637.64	3856.76257	(15060806)	414866.08	3773637.64	3503.17919	(14070506)
414916.08	3773637.64	3065.04330	(14092407)	414966.08	3773637.64	3011.85014	(12071806)
415016.08	3773637.64	2752.68374	(12071806)	414016.08	3773687.64	2591.15579	(13062006)
414066.08	3773687.64	2749.83867	(16111608)	414116.08	3773687.64	2188.72690	(16111608)
414166.08	3773687.64	2159.40305	(12070906)	414216.08	3773687.64	2242.79736	(12070906)
414266.08	3773687.64	2585.21221	(15061806)	414316.08	3773687.64	2791.51239	(15061806)
414366.08	3773687.64	2802.21621	(15071406)	414416.08	3773687.64	3371.98186	(12100807)
414466.08	3773687.64	3472.16836	(12101107)	414516.08	3773687.64	3588.75466	(16050906)
414566.08	3773687.64	4325.53593	(14053006)	414616.08	3773687.64	4835.88273	(14053006)
414666.08	3773687.64	4965.32405	(13062606)	414716.08	3773687.64	4845.56514	(15061606)
414766.08	3773687.64	4544.98184	(15060806)	414816.08	3773687.64	4322.84471	(14070506)
414866.08	3773687.64	3585.96052	(13100807)	414916.08	3773687.64	3456.67070	(12071806)
414966.08	3773687.64	3216.52912	(12071806)	415016.08	3773687.64	3091.46683	(14053106)
414016.08	3773737.64	2568.46544	(12070806)	414066.08	3773737.64	2958.48923	(13062006)
414116.08	3773737.64	2382.29215	(13062006)	414166.08	3773737.64	2492.28913	(16111608)
414216.08	3773737.64	2422.85167	(12070906)	414266.08	3773737.64	2618.44179	(15061806)
414316.08	3773737.64	3122.46050	(15061806)	414366.08	3773737.64	3370.38270	(15061806)
414416.08	3773737.64	3882.47672	(12100807)	414466.08	3773737.64	4212.45135	(12100807)
414516.08	3773737.64	4282.74135	(16050906)	414566.08	3773737.64	4991.05837	(14053006)
414616.08	3773737.64	5797.66995	(14062906)	414666.08	3773737.64	5747.60723	(13062606)
414716.08	3773737.64	5496.93157	(13071906)	414766.08	3773737.64	5212.54921	(15060806)
414816.08	3773737.64	4416.41111	(14070506)	414866.08	3773737.64	4141.68993	(14092407)
414916.08	3773737.64	3847.08848	(12071806)	414966.08	3773737.64	3615.20492	(14053106)

415016.08	3773737.64	3383.11302	(14060606)	414016.08	3773787.64	2544.78163	(14012908)
414066.08	3773787.64	2851.83982	(12070806)	414116.08	3773787.64	2793.10404	(13062006)
414166.08	3773787.64	2848.52660	(13062006)	414216.08	3773787.64	3057.16053	(16111608)
414266.08	3773787.64	3186.49098	(16111608)	414316.08	3773787.64	3513.59697	(15061806)
414366.08	3773787.64	4188.87461	(15061806)	414416.08	3773787.64	4467.33047	(12100807)
414466.08	3773787.64	5298.59124	(12100807)	414516.08	3773787.64	5230.13683	(12101107)
414566.08	3773787.64	5754.16882	(14053006)	414616.08	3773787.64	7066.91866	(14062906)
414666.08	3773787.64	6821.09629	(15061606)	414716.08	3773787.64	6401.11041	(15060806)
414766.08	3773787.64	5915.68317	(14070506)	414816.08	3773787.64	5081.86346	(14092407)

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA13 ***

INCLUDING SOURCE(S): AREA13 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
414866.08	3773787.64	4689.42316	(12071806)	414916.08	3773787.64	4323.00768	(14060606)
414966.08	3773787.64	3945.91473	(14060606)	415016.08	3773787.64	3529.47513	(13062806)
414016.08	3773837.64	2835.03625	(14012908)	414066.08	3773837.64	3125.27545	(14012908)
414116.08	3773837.64	3292.13960	(14092207)	414166.08	3773837.64	3920.48603	(12070806)
414216.08	3773837.64	4692.58389	(13062006)	414266.08	3773837.64	3941.42836	(16111608)
414316.08	3773837.64	4280.89264	(16111608)	414366.08	3773837.64	5047.10948	(15061806)
414416.08	3773837.64	5847.84761	(15061806)	414466.08	3773837.64	6603.21495	(12100807)
414516.08	3773837.64	6661.05219	(12101107)	414566.08	3773837.64	6985.95463	(14053006)
414616.08	3773837.64	8685.36352	(14062906)	414666.08	3773837.64	8408.35296	(15061606)
414716.08	3773837.64	7726.77863	(14070506)	414766.08	3773837.64	6357.80274	(14092407)
414816.08	3773837.64	5875.50834	(12071806)	414866.08	3773837.64	5412.48667	(14060606)
414916.08	3773837.64	4627.96793	(14060606)	414966.08	3773837.64	4161.28431	(13062806)
415016.08	3773837.64	3561.73911	(13072206)	414016.08	3773887.64	2720.42122	(13051906)
414066.08	3773887.64	3176.02175	(13051906)	414116.08	3773887.64	3686.54089	(14012908)
414166.08	3773887.64	4162.74384	(14012908)	414216.08	3773887.64	4470.29951	(12070806)
414266.08	3773887.64	5665.99074	(13062006)	414316.08	3773887.64	6668.82409	(16111608)
414366.08	3773887.64	7261.27354	(12070906)	414416.08	3773887.64	8652.54471	(15061806)
414466.08	3773887.64	8844.46422	(12100807)	414516.08	3773887.64	9007.96293	(12100807)
414566.08	3773887.64	9419.30433	(14053006)	414616.08	3773887.64	11037.55100	(13062606)
414666.08	3773887.64	10091.95224	(15060806)	414716.08	3773887.64	8604.47568	(14070506)
414766.08	3773887.64	7685.17448	(12071806)	414816.08	3773887.64	6922.13685	(14060606)
414866.08	3773887.64	5846.44664	(13062806)	414916.08	3773887.64	4819.28936	(13062806)
414966.08	3773887.64	4380.36354	(13072206)	415016.08	3773887.64	4019.19114	(14052606)
414016.08	3773937.64	2853.92509	(13071606)	414066.08	3773937.64	3225.54384	(16101107)
414116.08	3773937.64	3624.46563	(16101107)	414166.08	3773937.64	4188.99407	(13051906)
414216.08	3773937.64	5065.45181	(14012908)	414266.08	3773937.64	5925.93126	(14012908)
414316.08	3773937.64	7004.22891	(12070806)	414666.08	3773937.64	13248.48454	(14070506)
414716.08	3773937.64	10664.40683	(12071806)	414766.08	3773937.64	9254.03189	(14060606)
414816.08	3773937.64	7503.99260	(13062806)	414866.08	3773937.64	6227.27567	(13072206)
414916.08	3773937.64	5526.93092	(14052606)	414966.08	3773937.64	4848.91462	(14061706)

415016.08	3773937.64	4385.52397 (14061706)	414016.08	3773987.64	3449.89643 (13071606)
414066.08	3773987.64	3847.51268 (13071606)	414116.08	3773987.64	4250.86815 (13071606)
414166.08	3773987.64	4582.07421 (13071606)	414216.08	3773987.64	5067.56069 (16101107)
414266.08	3773987.64	5960.91067 (16101107)	414316.08	3773987.64	7520.86461 (12112008)
414666.08	3773987.64	16310.90862 (14092407)	414716.08	3773987.64	13025.14284 (14060606)
414766.08	3773987.64	9884.39831 (13072206)	414816.08	3773987.64	8347.51270 (14052606)
414866.08	3773987.64	7195.74212 (14061706)	414916.08	3773987.64	5914.84163 (14061706)
414966.08	3773987.64	5057.38970 (12062406)	415016.08	3773987.64	4388.77703 (14070706)
414016.08	3774037.64	3222.77507 (15020408)	414066.08	3774037.64	3733.02601 (15020408)
414116.08	3774037.64	4345.67655 (15020408)	414166.08	3774037.64	5047.38306 (15020408)

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA13 ***

INCLUDING SOURCE(S): AREA13 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
414216.08	3774037.64	6053.66459 (13071606)	414266.08	3774037.64	7283.25211 (13071606)
414316.08	3774037.64	8384.05104 (13071606)	414666.08	3774037.64	21102.53885 (13062806)
414716.08	3774037.64	15361.73157 (14061706)	414766.08	3774037.64	11442.08715 (12062406)
414816.08	3774037.64	8959.27152 (14070706)	414866.08	3774037.64	7382.33804 (15062506)
414916.08	3774037.64	6148.92360 (15062506)	414966.08	3774037.64	5111.14413 (15062506)
415016.08	3774037.64	4311.73806 (15062506)	414016.08	3774087.64	3216.88287 (15092507)
414066.08	3774087.64	3635.59633 (15092507)	414116.08	3774087.64	4156.14720 (15092507)
414166.08	3774087.64	4816.04447 (15092507)	414216.08	3774087.64	5676.96812 (15092507)
414266.08	3774087.64	6824.63031 (15092507)	414316.08	3774087.64	8061.23903 (15092507)
414666.08	3774087.64	23951.39193 (15062506)	414716.08	3774087.64	14876.42987 (12051506)
414766.08	3774087.64	11024.33957 (13051406)	414816.08	3774087.64	8509.28873 (13051406)
414866.08	3774087.64	6900.91856 (13051406)	414916.08	3774087.64	5721.32986 (13051406)
414966.08	3774087.64	4863.09088 (13051406)	415016.08	3774087.64	4196.91101 (13051406)
414016.08	3774137.64	3495.98550 (14060406)	414066.08	3774137.64	3953.61460 (14060406)
414116.08	3774137.64	4500.31116 (14060406)	414166.08	3774137.64	5189.01385 (14060406)
414216.08	3774137.64	6035.07760 (14060406)	414266.08	3774137.64	7076.95280 (14060106)
414316.08	3774137.64	8063.62228 (16101007)	414666.08	3774137.64	22900.45165 (14071306)
414716.08	3774137.64	15754.54146 (12071406)	414766.08	3774137.64	11643.01312 (13111908)
414816.08	3774137.64	9417.27547 (13111908)	414866.08	3774137.64	7600.24249 (13111908)
414916.08	3774137.64	6340.77781 (15062406)	414966.08	3774137.64	5402.41719 (15062406)
415016.08	3774137.64	4668.34182 (15062406)	414016.08	3774187.64	3312.69683 (16101007)
414066.08	3774187.64	3795.28688 (16101007)	414116.08	3774187.64	4317.12745 (16101007)
414166.08	3774187.64	4919.92122 (16101007)	414216.08	3774187.64	5653.30210 (14112908)
414266.08	3774187.64	6839.98308 (16120508)	414316.08	3774187.64	8130.24112 (16120508)
414666.08	3774187.64	17098.09223 (12052206)	414716.08	3774187.64	13595.03527 (14100107)
414766.08	3774187.64	9946.89281 (14071306)	414816.08	3774187.64	8745.73615 (14071306)
414866.08	3774187.64	7177.84003 (12071406)	414916.08	3774187.64	6031.16940 (12071406)
414966.08	3774187.64	4935.47680 (12071406)	415016.08	3774187.64	4428.39970 (13111908)
414016.08	3774237.64	3238.74413 (14112908)	414066.08	3774237.64	3614.41842 (16120508)

414116.08	3774237.64	4219.18262	(16120508)	414166.08	3774237.64	4803.36172	(16120508)
414216.08	3774237.64	5644.96018	(16093007)	414266.08	3774237.64	6370.02334	(16093007)
414316.08	3774237.64	7775.60799	(15071806)	414666.08	3774237.64	13632.14936	(14070606)
414716.08	3774237.64	10685.29953	(12052206)	414766.08	3774237.64	9586.46050	(14100107)
414816.08	3774237.64	7507.16167	(12071219)	414866.08	3774237.64	5833.46269	(14071306)
414916.08	3774237.64	5613.04009	(14071306)	414966.08	3774237.64	5015.20132	(14071306)
415016.08	3774237.64	4355.14716	(12071406)	414016.08	3774287.64	3248.51212	(16120508)
414066.08	3774287.64	3662.88403	(16093007)	414116.08	3774287.64	4131.09706	(16093007)
414166.08	3774287.64	4453.93454	(14032207)	414216.08	3774287.64	5325.88679	(15071806)
414266.08	3774287.64	5968.24966	(12061706)	414316.08	3774287.64	6463.46052	(16072106)
414666.08	3774287.64	9967.36647	(14070606)	414716.08	3774287.64	8987.39001	(12052206)

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA13 ***

INCLUDING SOURCE(S): AREA13 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
414766.08	3774287.64	7593.01769	(12052206)	414816.08	3774287.64	6841.77053	(14100107)
414866.08	3774287.64	6099.48845	(14100107)	414916.08	3774287.64	4993.13162	(12071219)
414966.08	3774287.64	3885.90511	(12071219)	415016.08	3774287.64	3976.38744	(14071306)
414016.08	3774337.64	3176.10590	(16093007)	414066.08	3774337.64	3402.44757	(14032207)
414116.08	3774337.64	3948.31677	(15071806)	414166.08	3774337.64	4381.52165	(12061706)
414216.08	3774337.64	4456.71568	(12061706)	414266.08	3774337.64	5145.52806	(16072106)
414316.08	3774337.64	5874.78417	(16120908)	414366.08	3774337.64	6874.05952	(13071806)
414416.08	3774337.64	7783.36058	(15120908)	414466.08	3774337.64	7414.80085	(13032507)
414516.08	3774337.64	7561.56197	(12102207)	414566.08	3774337.64	8210.95780	(12120808)
414666.08	3774337.64	8000.32629	(13070206)	414716.08	3774337.64	8051.74790	(14070606)
414766.08	3774337.64	7023.18147	(12052206)	414816.08	3774337.64	5759.03189	(12052206)
414866.08	3774337.64	5133.74897	(14100107)	414916.08	3774337.64	5010.60110	(14100107)
414966.08	3774337.64	4219.70231	(12071219)	415016.08	3774337.64	3641.51769	(12071219)
414016.08	3774387.64	3086.59318	(15071806)	414066.08	3774387.64	3365.68676	(12061706)
414116.08	3774387.64	3560.44613	(12061706)	414166.08	3774387.64	3681.47444	(16072106)
414216.08	3774387.64	4272.40971	(16120908)	414266.08	3774387.64	4691.27347	(16120908)
414316.08	3774387.64	5462.28186	(13071806)	414366.08	3774387.64	5875.59136	(15120908)
414416.08	3774387.64	5940.68308	(15120908)	414466.08	3774387.64	6505.22523	(13032507)
414516.08	3774387.64	6245.57809	(12102207)	414566.08	3774387.64	6631.18603	(12120808)
414616.08	3774387.64	6283.99404	(12072006)	414666.08	3774387.64	6517.76628	(13070206)
414716.08	3774387.64	6103.42910	(14070606)	414766.08	3774387.64	6033.35917	(14070606)
414816.08	3774387.64	5648.06578	(12052206)	414866.08	3774387.64	4601.17496	(12052206)
414916.08	3774387.64	4213.81734	(14101807)	414966.08	3774387.64	4133.80183	(14100107)
415016.08	3774387.64	3679.57203	(14100107)	414016.08	3774437.64	2894.55739	(12061706)
414066.08	3774437.64	2859.37028	(12061706)	414116.08	3774437.64	3209.93394	(16072106)
414166.08	3774437.64	3639.78748	(16120908)	414216.08	3774437.64	3831.36081	(16120908)
414266.08	3774437.64	4465.40871	(13071806)	414316.08	3774437.64	4435.45162	(15120908)
414366.08	3774437.64	5215.14689	(15120908)	414416.08	3774437.64	4666.94366	(13032507)

414466.08	3774437.64	5334.26596	(13032507)	414516.08	3774437.64	5184.72672	(12102207)
414566.08	3774437.64	5505.14713	(12120808)	414616.08	3774437.64	4996.44251	(12072006)
414666.08	3774437.64	5065.12993	(13070206)	414716.08	3774437.64	5098.89769	(13070206)
414766.08	3774437.64	5412.29739	(14070606)	414816.08	3774437.64	4411.35915	(14070606)
414866.08	3774437.64	4613.09695	(12052206)	414916.08	3774437.64	3751.14942	(14101807)
414966.08	3774437.64	3565.41354	(14101807)	415016.08	3774437.64	3377.53985	(14100107)
414016.08	3774487.64	2448.29339	(16072106)	414066.08	3774487.64	2797.22268	(16072106)
414116.08	3774487.64	3135.62805	(16120908)	414166.08	3774487.64	3214.59549	(16120908)
414216.08	3774487.64	3746.55239	(13071806)	414266.08	3774487.64	3669.91040	(13071806)
414316.08	3774487.64	4374.67148	(15120908)	414366.08	3774487.64	3999.00946	(15120908)
414416.08	3774487.64	4444.09648	(13032507)	414466.08	3774487.64	4203.43554	(13032507)
414516.08	3774487.64	4314.94860	(12102207)	414566.08	3774487.64	4680.34589	(12120808)

*** AERMOD - VERSION 19191 *** *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc *** 05/24/21
*** AERMET - VERSION 16216 *** *** *** 12:11:05

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA13 ***

INCLUDING SOURCE(S): AREA13 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
414616.08	3774487.64	4051.68943	(12072006)	414666.08	3774487.64	4537.25050	(12072006)
414716.08	3774487.64	4540.41596	(13070206)	414766.08	3774487.64	4194.20300	(14070606)
414816.08	3774487.64	4475.83133	(14070606)	414866.08	3774487.64	3755.24663	(12052206)
414916.08	3774487.64	3864.87182	(12052206)	414966.08	3774487.64	3151.28485	(14101807)
415016.08	3774487.64	3068.52996	(14101807)	414016.08	3774537.64	2451.21255	(16072106)
414066.08	3774537.64	2727.32687	(16120908)	414116.08	3774537.64	2769.95754	(16120908)
414166.08	3774537.64	3199.94854	(13071806)	414216.08	3774537.64	3251.94831	(13071806)
414266.08	3774537.64	3595.01901	(15120908)	414316.08	3774537.64	3724.20302	(15120908)
414366.08	3774537.64	3269.97307	(13032507)	414416.08	3774537.64	3987.95838	(13032507)
414466.08	3774537.64	3660.12558	(12102207)	414516.08	3774537.64	3638.51106	(12102207)
414566.08	3774537.64	4042.16409	(12120808)	414616.08	3774537.64	3450.29383	(15080503)
414666.08	3774537.64	3988.44361	(12072006)	414716.08	3774537.64	3910.50199	(13070206)
414766.08	3774537.64	3562.67226	(13070206)	414816.08	3774537.64	3912.19419	(14070606)
414866.08	3774537.64	3601.86743	(14070606)	414916.08	3774537.64	3336.37841	(12052206)
414966.08	3774537.64	3290.80459	(12052206)	415016.08	3774537.64	2711.05550	(14101807)
414016.08	3774587.64	2404.99067	(16120908)	414066.08	3774587.64	2390.31209	(16120908)
414116.08	3774587.64	2767.83180	(13071806)	414166.08	3774587.64	2856.51641	(13071806)
414216.08	3774587.64	2994.79324	(15120908)	414266.08	3774587.64	3345.47801	(15120908)
414316.08	3774587.64	2888.88486	(15120908)	414366.08	3774587.64	3228.92283	(13032507)
414416.08	3774587.64	3442.49463	(13032507)	414466.08	3774587.64	3309.19061	(12102207)
414516.08	3774587.64	3146.50123	(12120808)	414566.08	3774587.64	3545.80600	(12120808)
414616.08	3774587.64	3026.69131	(14072302)	414666.08	3774587.64	3499.07783	(12072006)
414716.08	3774587.64	3292.80948	(13070206)	414766.08	3774587.64	3373.53137	(13070206)
414816.08	3774587.64	3146.66696	(14070606)	414866.08	3774587.64	3455.36459	(14070606)
414916.08	3774587.64	2864.56768	(14070606)	414966.08	3774587.64	2947.78681	(12052206)
415016.08	3774587.64	2848.99397	(12052206)	414016.08	3774637.64	2070.21121	(16120908)
414066.08	3774637.64	2441.13096	(13071806)	414116.08	3774637.64	2529.13403	(13071806)

414166.08	3774637.64	2421.26896	(15120908)	414216.08	3774637.64	2926.97282	(15120908)
414266.08	3774637.64	2792.70185	(15120908)	414316.08	3774637.64	2401.14729	(13032507)
414366.08	3774637.64	3058.78237	(13032507)	414416.08	3774637.64	2885.00719	(13032507)
414466.08	3774637.64	2974.42680	(12102207)	414516.08	3774637.64	2859.75244	(12120808)
414566.08	3774637.64	3151.38740	(12120808)	414616.08	3774637.64	2691.24629	(14072302)
414666.08	3774637.64	3052.21110	(12072006)	414716.08	3774637.64	2906.95662	(12072006)
414766.08	3774637.64	3050.18127	(13070206)	414816.08	3774637.64	2648.45790	(13070206)
414866.08	3774637.64	2997.48394	(14070606)	414916.08	3774637.64	2959.10487	(14070606)
414966.08	3774637.64	2310.74400	(14070606)	415016.08	3774637.64	2608.64646	(12052206)
414361.21	3774308.59	7112.51659	(13071806)	414586.99	3774306.89	8501.68885	(12120808)
414586.99	3774347.63	7076.00403	(12120808)	414636.22	3774347.63	7474.08088	(12072006)
414629.43	3773930.02	13930.29000	(15061606)	414359.51	3773930.02	8551.47364	(13062006)
414406.37	3774308.25	7892.67805	(13071806)	414451.52	3774307.91	9033.32025	(15120908)

*** AERMOD - VERSION 19191 *** *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc *** 05/24/21
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA13 ***

INCLUDING SOURCE(S): AREA13 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
414496.68	3774307.57	9370.01658	(13032507)	414541.83	3774307.23	8869.74661	(12102207)
414635.47	3774301.23	9786.53903	(13070206)	414634.71	3774254.83	12853.93713	(13070206)
414633.96	3774208.43	18646.91786	(14070606)	414633.20	3774162.03	27278.84316	(12052206)
414632.45	3774115.62	41537.17614	(12071406)	414631.69	3774069.22	38241.03498	(14052606)
414630.94	3774022.82	24989.23988	(14092407)	414630.18	3773976.42	18460.18637	(15060806)
414584.44	3773930.02	15297.97889	(14053006)	414539.46	3773930.02	12252.95577	(12101107)
414494.47	3773930.02	12888.28687	(12100807)	414449.48	3773930.02	11219.18868	(15061806)
414404.50	3773930.02	9361.33714	(12070906)	414359.72	3773977.34	8684.81973	(14012908)
414359.94	3774024.66	9427.77115	(16101107)	414360.15	3774071.98	10994.25783	(15020408)
414360.36	3774119.31	11166.75506	(14060406)	414360.57	3774166.63	10124.06052	(16120508)
414360.79	3774213.95	9415.05778	(15071806)	414361.00	3774261.27	7912.83505	(16072106)
414651.22	3774193.13	19119.45713	(12052206)	414651.22	3774219.08	16281.85975	(14070606)
414651.87	3774247.64	13466.23056	(14070606)	414651.87	3774278.78	10500.57356	(13070206)
414651.87	3774298.90	9814.88744	(13070206)	414652.52	3774320.31	8910.19726	(13070206)
414651.87	3774365.09	7049.59773	(13070206)	414653.17	3774345.62	7876.58275	(13070206)
414649.27	3774056.86	27123.03604	(14052606)	414651.22	3774134.08	26620.66165	(14071306)
414650.57	3774166.52	21382.65419	(14101807)	414647.97	3774014.03	20995.17777	(12071806)
414248.25	3774308.63	5294.84456	(12061706)	414246.95	3774293.71	5673.78335	(12061706)
414246.30	3774277.48	5857.10775	(15071806)	414246.30	3774261.91	5978.93980	(15071806)
414246.95	3774244.39	5967.70605	(16093007)	414245.65	3774234.01	6199.75361	(16093007)
414246.30	3774219.73	6287.13429	(16093007)	414245.65	3774206.11	6314.57264	(16120508)
414245.00	3774187.94	6231.38549	(16120508)	414244.36	3774168.47	6398.36148	(16101007)
414244.36	3774156.14	6474.99234	(16101007)	414244.36	3774136.02	6647.55611	(14060406)
414241.76	3774052.96	6480.29414	(15020408)	414242.41	3774036.74	6681.92804	(13071606)
414243.06	3774017.27	6390.40365	(13071606)	414243.06	3773979.64	5452.03663	(16101107)
414239.81	3773932.92	5461.10597	(14012908)	414239.16	3773893.33	5007.82767	(12070806)

414646.03	3773967.31	16637.73118	(14070506)	414647.97	3773917.34	12208.02569	(13071906)
414646.03	3773895.93	11244.67851	(15061606)	414646.68	3773877.11	10302.51167	(15061606)
414646.68	3773841.42	8517.89211	(15061606)	414644.73	3773799.89	7340.43399	(13062606)
414649.92	3774091.90	28883.32750	(13051406)	414651.87	3774207.40	16486.67698	(14070606)
414647.28	3773769.60	6554.08679	(13062606)	414647.28	3773722.90	5539.47770	(13062606)
414588.50	3773543.39	3433.04997	(14053006)	414530.55	3773519.46	2833.24025	(12100407)
414486.45	3773503.08	2952.62516	(16050906)	414427.23	3773494.26	2820.61478	(12101107)
414356.68	3773470.32	2646.17424	(12100807)	414273.52	3773436.30	2282.80118	(15071406)
414053.04	3773606.39	2255.25889	(16111608)	414834.19	3774266.59	6954.36494	(14100107)

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*** AERMET - VERSION 16216 *** *** *** 12:11:05

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA14 ***

INCLUDING SOURCE(S): AREA14 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
414016.08	3773637.64	1992.36249	(13062006)	414066.08	3773637.64	2116.90176	(16111608)
414116.08	3773637.64	2093.58679	(16111608)	414166.08	3773637.64	2166.90346	(12070906)
414216.08	3773637.64	2339.54389	(15061806)	414266.08	3773637.64	2735.68446	(15061806)
414316.08	3773637.64	2626.43613	(15061806)	414366.08	3773637.64	2665.71695	(12100807)
414416.08	3773637.64	3062.27939	(12100807)	414466.08	3773637.64	3268.47885	(12101107)
414516.08	3773637.64	3369.71310	(16050906)	414566.08	3773637.64	3542.18253	(14053006)
414616.08	3773637.64	4027.11772	(14053006)	414666.08	3773637.64	3953.45709	(13062606)
414716.08	3773637.64	3999.18726	(15061606)	414766.08	3773637.64	3792.30275	(15060806)
414816.08	3773637.64	3685.57874	(14070506)	414866.08	3773637.64	3120.82583	(14070506)
414916.08	3773637.64	3041.98065	(14092407)	414966.08	3773637.64	2758.24597	(12071806)
415016.08	3773637.64	2655.41108	(14053106)	414016.08	3773687.64	2082.92636	(13062006)
414066.08	3773687.64	2307.99431	(13062006)	414116.08	3773687.64	2307.96337	(16111608)
414166.08	3773687.64	2301.47414	(16111608)	414216.08	3773687.64	2347.52280	(12070906)
414266.08	3773687.64	2517.86122	(15061806)	414316.08	3773687.64	2880.05927	(15061806)
414366.08	3773687.64	2969.90181	(15061806)	414416.08	3773687.64	3499.73099	(12100807)
414466.08	3773687.64	3889.54962	(12100807)	414516.08	3773687.64	3969.74013	(16050906)
414566.08	3773687.64	4216.27349	(14053006)	414616.08	3773687.64	4765.11286	(14062906)
414666.08	3773687.64	4785.31531	(13062606)	414716.08	3773687.64	4612.10081	(15061606)
414766.08	3773687.64	4483.08573	(15060806)	414816.08	3773687.64	4030.93421	(14070506)
414866.08	3773687.64	3653.19647	(14092407)	414916.08	3773687.64	3295.47670	(12071806)
414966.08	3773687.64	3129.33487	(14053106)	415016.08	3773687.64	2915.90749	(14060606)
414016.08	3773737.64	2171.97574	(14092207)	414066.08	3773737.64	2376.82681	(13062006)
414116.08	3773737.64	2482.17529	(13062006)	414166.08	3773737.64	2536.20061	(13062006)
414216.08	3773737.64	2600.88092	(16111608)	414266.08	3773737.64	2693.95172	(12070906)
414316.08	3773737.64	3076.01961	(15061806)	414366.08	3773737.64	3611.53090	(15061806)
414416.08	3773737.64	3895.24314	(12100807)	414466.08	3773737.64	4811.58422	(12100807)
414516.08	3773737.64	4779.81412	(16050906)	414566.08	3773737.64	5143.24061	(14053006)
414616.08	3773737.64	5864.15525	(14062906)	414666.08	3773737.64	5732.95335	(15061606)
414716.08	3773737.64	5393.86401	(15060806)	414766.08	3773737.64	5212.87758	(14070506)
414816.08	3773737.64	4476.77130	(14092407)	414866.08	3773737.64	3990.72730	(12071806)

414916.08	3773737.64	3730.69432	(14053106)	414966.08	3773737.64	3407.10929	(14060606)
415016.08	3773737.64	3033.30523	(13062806)	414016.08	3773787.64	2318.09264	(12112008)
414066.08	3773787.64	2589.55733	(14092207)	414116.08	3773787.64	2494.16617	(12070806)
414166.08	3773787.64	2867.44105	(13062006)	414216.08	3773787.64	3126.31928	(13062006)
414266.08	3773787.64	3417.18026	(16111608)	414316.08	3773787.64	3562.35186	(12070906)
414366.08	3773787.64	4279.03770	(15061806)	414416.08	3773787.64	4919.54722	(15061806)
414466.08	3773787.64	5968.44606	(12100807)	414516.08	3773787.64	6002.15710	(12101107)
414566.08	3773787.64	6476.41219	(14053006)	414616.08	3773787.64	7387.94820	(14062906)
414666.08	3773787.64	7264.52475	(15061606)	414716.08	3773787.64	6705.71150	(15060806)
414766.08	3773787.64	5589.42331	(14070506)	414816.08	3773787.64	4889.81444	(14092407)

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA14 ***

INCLUDING SOURCE(S): AREA14 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
414866.08	3773787.64	4665.86167	(14053106)	414916.08	3773787.64	4177.20206	(14060606)
414966.08	3773787.64	3727.36640	(13062806)	415016.08	3773787.64	3197.68195	(13062806)
414016.08	3773837.64	2428.67843	(12112008)	414066.08	3773837.64	2783.56906	(12112008)
414116.08	3773837.64	3112.97887	(12112008)	414166.08	3773837.64	3525.57308	(14092207)
414216.08	3773837.64	3998.66965	(12070806)	414266.08	3773837.64	4289.96867	(13062006)
414316.08	3773837.64	4786.58379	(16111608)	414366.08	3773837.64	5278.00549	(12070906)
414416.08	3773837.64	6539.09760	(15061806)	414466.08	3773837.64	7298.96672	(12100807)
414516.08	3773837.64	7781.92730	(12101107)	414566.08	3773837.64	8457.32296	(14053006)
414616.08	3773837.64	9774.14906	(13062606)	414666.08	3773837.64	9060.24733	(13071906)
414716.08	3773837.64	8197.97982	(14070506)	414766.08	3773837.64	6861.54021	(14092407)
414816.08	3773837.64	6031.95601	(14053106)	414866.08	3773837.64	5183.86969	(14060606)
414916.08	3773837.64	4515.13440	(13062806)	414966.08	3773837.64	3760.45964	(13072206)
415016.08	3773837.64	3470.75103	(14052606)	414016.08	3773887.64	2345.79280	(16062006)
414066.08	3773887.64	2604.26105	(16101107)	414116.08	3773887.64	3167.49636	(12112008)
414166.08	3773887.64	3814.47777	(12112008)	414216.08	3773887.64	4462.44768	(12112008)
414266.08	3773887.64	5152.79887	(14092207)	414316.08	3773887.64	6365.50185	(13062006)
414366.08	3773887.64	7797.15538	(16111608)	414416.08	3773887.64	7723.46853	(15061806)
414466.08	3773887.64	10234.48898	(15061806)	414516.08	3773887.64	11286.46886	(12100807)
414566.08	3773887.64	11742.14215	(14053006)	414616.08	3773887.64	13622.52473	(13062606)
414666.08	3773887.64	12321.28128	(14070506)	414716.08	3773887.64	9954.17651	(14092407)
414766.08	3773887.64	8404.35261	(14060606)	414816.08	3773887.64	6952.46469	(13062806)
414866.08	3773887.64	5537.55595	(13062806)	414916.08	3773887.64	4914.39583	(14052606)
414966.08	3773887.64	4237.68393	(14052606)	415016.08	3773887.64	3872.10990	(14061706)
414016.08	3773937.64	2847.96632	(13071606)	414066.08	3773937.64	3136.97212	(13071606)
414116.08	3773937.64	3523.01269	(13071606)	414166.08	3773937.64	3787.06045	(13071606)
414216.08	3773937.64	4391.43637	(12112008)	414266.08	3773937.64	5585.68690	(12112008)
414316.08	3773937.64	7014.15888	(12112008)	414666.08	3773937.64	16214.34955	(14092407)
414716.08	3773937.64	12844.02045	(14060606)	414766.08	3773937.64	9796.19509	(13062806)
414816.08	3773937.64	7641.70568	(14052606)	414866.08	3773937.64	6373.42293	(14061706)

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    414916.08  3773937.64   5320.45767 (14061706)     414966.08  3773937.64   4628.16516 (14061706)
    415016.08  3773937.64   3956.30227 (12062406)     414016.08  3773987.64   2824.96519 (15020408)
    414066.08  3773987.64   3252.03345 (13071606)     414116.08  3773987.64   3829.92190 (13071606)
    414166.08  3773987.64   4501.35950 (13071606)     414216.08  3773987.64   5358.25327 (13071606)
    414266.08  3773987.64   6374.06248 (13071606)     414316.08  3773987.64   7829.88139 (13071606)
    414666.08  3773987.64  23478.86880 (14060606)     414716.08  3773987.64  15293.75307 (14052606)
    414766.08  3773987.64  11686.31845 (14061706)     414816.08  3773987.64   8715.19041 (14061706)
    414866.08  3773987.64   6792.55051 (14070706)     414916.08  3773987.64   5652.98924 (15062506)
    414966.08  3773987.64   4743.28592 (15062506)     415016.08  3773987.64   4080.05786 (15062506)
    414016.08  3774037.64   2867.36783 (15092507)     414066.08  3774037.64   3298.32082 (15092507)
    414116.08  3774037.64   3786.46100 (15092507)     414166.08  3774037.64   4387.41192 (15092507)
  *** AERMOD - VERSION 19191 ***  *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc
***      05/24/21
 *** AERMET - VERSION 16216 ***  ***                                          ***      12:11:05
                                                                    PAGE 199
 *** MODELOPTs:   RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                  *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP:
AREA14  ***
                     INCLUDING SOURCE(S):    AREA14     ,

                           *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                          ** CONC OF OTHER    IN MICROGRAMS/M**3                **

    X-COORD (M)  Y-COORD (M)       CONC     (YYMMDDHH)          X-COORD (M)  Y-COORD (M)       CONC
(YYMMDDHH)
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    414216.08  3774037.64   5199.96643 (15092507)     414266.08  3774037.64   6314.72161 (15092507)
    414316.08  3774037.64   8536.78006 (15020408)     414666.08  3774037.64  30084.09238 (12062406)
    414716.08  3774037.64  18001.36645 (15062506)     414766.08  3774037.64  12019.35594 (15062506)
    414816.08  3774037.64   8587.41730 (15062506)     414866.08  3774037.64   6530.07509 (13051406)
    414916.08  3774037.64   5316.85381 (13051406)     414966.08  3774037.64   4482.26208 (13051406)
    415016.08  3774037.64   3857.17217 (13051406)     414016.08  3774087.64   2913.57459 (14060406)
    414066.08  3774087.64   3366.63536 (14060406)     414116.08  3774087.64   3936.82157 (14060406)
    414166.08  3774087.64   4594.61386 (14060406)     414216.08  3774087.64   5527.83684 (14060406)
    414266.08  3774087.64   6794.72579 (14060406)     414316.08  3774087.64   9116.68024 (14060406)
    414666.08  3774087.64  30435.59898 (12071406)     414716.08  3774087.64  18594.70560 (13111908)
    414766.08  3774087.64  12613.38368 (13111908)     414816.08  3774087.64   9468.93927 (15062406)
    414866.08  3774087.64   7345.73320 (15062406)     414916.08  3774087.64   5969.91761 (15062406)
    414966.08  3774087.64   4898.72448 (15062406)     415016.08  3774087.64   4171.26828 (15062406)
    414016.08  3774137.64   2932.23122 (14060106)     414066.08  3774137.64   3258.51035 (14060106)
    414116.08  3774137.64   3786.27539 (16101007)     414166.08  3774137.64   4467.34786 (16101007)
    414216.08  3774137.64   5316.56788 (16101007)     414266.08  3774137.64   6456.11389 (14112908)
    414316.08  3774137.64   8592.79383 (16120508)     414666.08  3774137.64  23156.17243 (14100107)
    414716.08  3774137.64  14767.54438 (12071219)     414766.08  3774137.64  11640.50513 (14071306)
    414816.08  3774137.64   8806.58843 (14012117)     414866.08  3774137.64   6980.69472 (12071406)
    414916.08  3774137.64   5692.24387 (13111908)     414966.08  3774137.64   4967.83576 (13111908)
    415016.08  3774137.64   4295.05067 (13111908)     414016.08  3774187.64   2881.21144 (14112908)
    414066.08  3774187.64   3292.37648 (14112908)     414116.08  3774187.64   3682.40765 (16120508)
    414166.08  3774187.64   4417.11922 (16120508)     414216.08  3774187.64   5177.14417 (16120508)
    414266.08  3774187.64   6367.19566 (16093007)     414316.08  3774187.64   7933.25333 (15071806)
    414666.08  3774187.64  16509.45674 (12052206)     414716.08  3774187.64  12085.76023 (14100107)
    414766.08  3774187.64  10156.16579 (14100107)     414816.08  3774187.64   7355.96549 (12071219)
    414866.08  3774187.64   6466.74423 (14071306)     414916.08  3774187.64   5594.37265 (14071306)
    414966.08  3774187.64   4732.50730 (12071406)     415016.08  3774187.64   4089.99107 (12071406)
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414016.08	3774237.64	2886.51490	(16120508)	414066.08	3774237.64	3221.60303	(16120508)
414116.08	3774237.64	3710.26962	(16093007)	414166.08	3774237.64	4285.90545	(16093007)
414216.08	3774237.64	5031.36897	(15071806)	414266.08	3774237.64	5887.05974	(12061706)
414316.08	3774237.64	6650.83009	(12061706)	414666.08	3774237.64	12511.52331	(14070606)
414716.08	3774237.64	10610.57933	(12052206)	414766.08	3774237.64	8046.81276	(14101807)
414816.08	3774237.64	7341.93287	(14100107)	414866.08	3774237.64	5814.32632	(14100107)
414916.08	3774237.64	4657.00663	(12071219)	414966.08	3774237.64	4281.15801	(14071306)
415016.08	3774237.64	3896.78788	(14071306)	414016.08	3774287.64	2856.30711	(16093007)
414066.08	3774287.64	3131.89504	(16093007)	414116.08	3774287.64	3598.03453	(15071806)
414166.08	3774287.64	4098.82716	(15071806)	414216.08	3774287.64	4572.56245	(12061706)
414266.08	3774287.64	4886.51540	(16072106)	414316.08	3774287.64	5931.39341	(16120908)
414666.08	3774287.64	8892.24704	(13070206)	414716.08	3774287.64	8700.63764	(14070606)

*** AERMOD - VERSION 19191 *** *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc *** 05/24/21
*** AERMET - VERSION 16216 *** *** *** 12:11:05

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA14 ***

INCLUDING SOURCE(S): AREA14 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
414766.08	3774287.64	7519.09510	(12052206)	414816.08	3774287.64	5957.61457	(14101807)
414866.08	3774287.64	5406.65174	(14100107)	414916.08	3774287.64	4858.80667	(14100107)
414966.08	3774287.64	3957.98197	(12071219)	415016.08	3774287.64	3295.82868	(12071219)
414016.08	3774337.64	2746.00836	(15071806)	414066.08	3774337.64	3071.42430	(15071806)
414116.08	3774337.64	3384.48991	(12061706)	414166.08	3774337.64	3550.49515	(12061706)
414216.08	3774337.64	3947.91358	(16072106)	414266.08	3774337.64	4640.24791	(16120908)
414316.08	3774337.64	5365.19227	(13071806)	414366.08	3774337.64	5783.99782	(15120908)
414416.08	3774337.64	6571.85973	(15120908)	414466.08	3774337.64	6662.52300	(13032507)
414516.08	3774337.64	6481.59917	(12102207)	414566.08	3774337.64	6969.43706	(12120808)
414666.08	3774337.64	7168.06799	(13070206)	414716.08	3774337.64	6924.07501	(14070606)
414766.08	3774337.64	6119.81162	(14070606)	414816.08	3774337.64	5733.07682	(12052206)
414866.08	3774337.64	4539.80863	(14101807)	414916.08	3774337.64	4256.28868	(14100107)
414966.08	3774337.64	3993.43254	(14100107)	415016.08	3774337.64	3382.59306	(14100107)
414016.08	3774387.64	2653.16529	(12061706)	414066.08	3774387.64	2825.68864	(12061706)
414116.08	3774387.64	2855.03887	(16072106)	414166.08	3774387.64	3310.56699	(16120908)
414216.08	3774387.64	3746.00894	(16120908)	414266.08	3774387.64	4258.40156	(13071806)
414316.08	3774387.64	4501.44379	(13071806)	414366.08	3774387.64	5275.18357	(15120908)
414416.08	3774387.64	4706.35249	(15120908)	414466.08	3774387.64	5489.28990	(13032507)
414516.08	3774387.64	5253.84823	(12102207)	414566.08	3774387.64	5620.33613	(12120808)
414616.08	3774387.64	5340.60584	(12072006)	414666.08	3774387.64	5594.60771	(13070206)
414716.08	3774387.64	5245.74354	(13070206)	414766.08	3774387.64	5572.42021	(14070606)
414816.08	3774387.64	4671.12210	(12052206)	414866.08	3774387.64	4501.03291	(12052206)
414916.08	3774387.64	3691.12426	(14101807)	414966.08	3774387.64	3343.52969	(14100107)
415016.08	3774387.64	3317.67612	(14100107)	414016.08	3774437.64	2293.53808	(12061706)
414066.08	3774437.64	2508.05072	(16072106)	414116.08	3774437.64	2848.00955	(16120908)
414166.08	3774437.64	3139.86952	(16120908)	414216.08	3774437.64	3512.49868	(13071806)
414266.08	3774437.64	3761.13182	(13071806)	414316.08	3774437.64	4241.08097	(15120908)

414366.08	3774437.64	4307.44239	(15120908)	414416.08	3774437.64	4315.21651	(13032507)
414466.08	3774437.64	4444.50918	(13032507)	414516.08	3774437.64	4333.95158	(12102207)
414566.08	3774437.64	4679.15531	(12120808)	414616.08	3774437.64	4275.54041	(12072006)
414666.08	3774437.64	4525.02540	(12072006)	414716.08	3774437.64	4693.11440	(13070206)
414766.08	3774437.64	4612.87472	(14070606)	414816.08	3774437.64	4431.76006	(14070606)
414866.08	3774437.64	3937.01538	(12052206)	414916.08	3774437.64	3728.34298	(12052206)
414966.08	3774437.64	3109.49023	(14101807)	415016.08	3774437.64	2848.05610	(14101807)
414016.08	3774487.64	2191.48959	(16072106)	414066.08	3774487.64	2471.85676	(16120908)
414116.08	3774487.64	2625.95234	(16120908)	414166.08	3774487.64	2972.69166	(13071806)
414216.08	3774487.64	3172.99702	(13071806)	414266.08	3774487.64	3426.56050	(15120908)
414316.08	3774487.64	3763.80559	(15120908)	414366.08	3774487.64	3221.54027	(15120908)
414416.08	3774487.64	3883.19464	(13032507)	414466.08	3774487.64	3558.39094	(12102207)
414516.08	3774487.64	3653.23489	(12102207)	414566.08	3774487.64	3973.75459	(12120808)

*** AERMOD - VERSION 19191 *** *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc *** 05/24/21

*** AERMET - VERSION 16216 *** *** *** 12:11:05

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA14 ***

INCLUDING SOURCE(S): AREA14 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
414616.08	3774487.64	3485.06962	(12072006)	414666.08	3774487.64	3935.70629	(12072006)
414716.08	3774487.64	4067.18318	(13070206)	414766.08	3774487.64	3533.48740	(13070206)
414816.08	3774487.64	3990.30921	(14070606)	414866.08	3774487.64	3519.64529	(14070606)
414916.08	3774487.64	3338.27189	(12052206)	414966.08	3774487.64	3132.54078	(12052206)
415016.08	3774487.64	2657.67396	(14101807)	414016.08	3774537.64	2167.24409	(16120908)
414066.08	3774537.64	2263.03717	(16120908)	414116.08	3774537.64	2515.35820	(13071806)
414166.08	3774537.64	2740.00558	(13071806)	414216.08	3774537.64	2748.77105	(15120908)
414266.08	3774537.64	3227.14810	(15120908)	414316.08	3774537.64	3107.20908	(15120908)
414366.08	3774537.64	3091.17371	(13032507)	414416.08	3774537.64	3386.08598	(13032507)
414466.08	3774537.64	3199.73881	(12102207)	414516.08	3774537.64	3135.37637	(12120808)
414566.08	3774537.64	3457.94706	(12120808)	414616.08	3774537.64	2939.60350	(12091821)
414666.08	3774537.64	3430.80525	(12072006)	414716.08	3774537.64	3430.76983	(13070206)
414766.08	3774537.64	3335.94502	(13070206)	414816.08	3774537.64	3316.23565	(14070606)
414866.08	3774537.64	3378.90128	(14070606)	414916.08	3774537.64	2745.32833	(14070606)
414966.08	3774537.64	2912.15148	(12052206)	415016.08	3774537.64	2665.33828	(12052206)
414016.08	3774587.64	2003.98949	(16120908)	414066.08	3774587.64	2194.88789	(13071806)
414116.08	3774587.64	2377.18941	(13071806)	414166.08	3774587.64	2319.57187	(13071806)
414216.08	3774587.64	2714.70192	(15120908)	414266.08	3774587.64	2829.04111	(15120908)
414316.08	3774587.64	2379.54815	(15120908)	414366.08	3774587.64	2904.14953	(13032507)
414416.08	3774587.64	2881.45384	(13032507)	414466.08	3774587.64	2849.49184	(12102207)
414516.08	3774587.64	2854.44793	(12120808)	414566.08	3774587.64	3045.45158	(12120808)
414616.08	3774587.64	2602.04729	(12091821)	414666.08	3774587.64	3002.22395	(12072006)
414716.08	3774587.64	2880.31890	(13070206)	414766.08	3774587.64	3044.35038	(13070206)
414816.08	3774587.64	2642.40581	(14070606)	414866.08	3774587.64	3027.02293	(14070606)
414916.08	3774587.64	2827.93654	(14070606)	414966.08	3774587.64	2466.48162	(12052206)
415016.08	3774587.64	2553.05848	(12052206)	414016.08	3774637.64	1943.48586	(13071806)

414066.08	3774637.64	2144.79294	(13071806)	414116.08	3774637.64	2091.42360	(16040207)
414166.08	3774637.64	2346.52509	(15120908)	414216.08	3774637.64	2520.07178	(15120908)
414266.08	3774637.64	2342.87839	(15120908)	414316.08	3774637.64	2324.87623	(13032507)
414366.08	3774637.64	2664.79641	(13032507)	414416.08	3774637.64	2468.14219	(13032507)
414466.08	3774637.64	2578.39384	(12102207)	414516.08	3774637.64	2586.75537	(12120808)
414566.08	3774637.64	2719.31570	(12120808)	414616.08	3774637.64	2328.27701	(12091821)
414666.08	3774637.64	2626.97268	(12072006)	414716.08	3774637.64	2607.27620	(12072006)
414766.08	3774637.64	2732.28511	(13070206)	414816.08	3774637.64	2534.61008	(13070206)
414866.08	3774637.64	2564.98572	(14070606)	414916.08	3774637.64	2695.13380	(14070606)
414966.08	3774637.64	2376.81702	(14070606)	415016.08	3774637.64	2229.71571	(12052206)
414361.21	3774308.59	6477.44099	(13071806)	414586.99	3774306.89	7629.74384	(12120808)
414586.99	3774347.63	6318.51356	(12120808)	414636.22	3774347.63	6529.72337	(12072006)
414629.43	3773930.02	18266.84915	(15060806)	414359.51	3773930.02	8151.25472	(13062006)
414406.37	3774308.25	7368.12599	(15120908)	414451.52	3774307.91	7156.70693	(15120908)

*** AERMOD - VERSION 19191 *** *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc *** 05/24/21
*** AERMET - VERSION 16216 *** *** *** 12:11:05

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA14 ***

INCLUDING SOURCE(S): AREA14 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
414496.68	3774307.57	7865.62389	(13032507)	414541.83	3774307.23	7615.29376	(12120808)
414635.47	3774301.23	8289.87634	(13070206)	414634.71	3774254.83	11426.32988	(13070206)
414633.96	3774208.43	15536.68224	(13070206)	414633.20	3774162.03	24959.98317	(14070606)
414632.45	3774115.62	36704.98371	(14100107)	414631.69	3774069.22	54698.01744	(15062406)
414630.94	3774022.82	44546.61978	(13062806)	414630.18	3773976.42	28390.59662	(14070506)
414584.44	3773930.02	18329.73884	(14053006)	414539.46	3773930.02	16971.70951	(12100807)
414494.47	3773930.02	15204.01607	(15061806)	414449.48	3773930.02	11290.25891	(16111608)
414404.50	3773930.02	10714.98696	(13062006)	414359.72	3773977.34	9266.02119	(12112008)
414359.94	3774024.66	9543.99227	(16062006)	414360.15	3774071.98	10536.12418	(14060406)
414360.36	3774119.31	10272.51461	(16120508)	414360.57	3774166.63	10184.22635	(15071806)
414360.79	3774213.95	8185.94757	(12061706)	414361.00	3774261.27	7328.62331	(16120908)
414651.22	3774193.13	17836.46627	(14070606)	414651.22	3774219.08	14347.16409	(14070606)
414651.87	3774247.64	11287.09118	(13070206)	414651.87	3774278.78	9699.93895	(13070206)
414651.87	3774298.90	8714.81708	(13070206)	414652.52	3774320.31	7728.95525	(13070206)
414651.87	3774365.09	5953.80497	(13070206)	414653.17	3774345.62	6715.07771	(13070206)
414649.27	3774056.86	37970.63447	(15062506)	414651.22	3774134.08	25813.89207	(12052206)
414650.57	3774166.52	20929.61730	(12052206)	414647.97	3774014.03	33298.65296	(13062806)
414248.25	3774308.63	4481.45843	(16072106)	414246.95	3774293.71	4502.20742	(12061706)
414246.30	3774277.48	4934.18769	(12061706)	414246.30	3774261.91	5255.73260	(12061706)
414246.95	3774244.39	5476.81073	(15071806)	414245.65	3774234.01	5557.52859	(15071806)
414246.30	3774219.73	5592.83619	(15071806)	414245.65	3774206.11	5696.56919	(16093007)
414245.00	3774187.94	5839.52654	(16093007)	414244.36	3774168.47	5832.20260	(16120508)
414244.36	3774156.14	5851.72271	(16120508)	414244.36	3774136.02	5886.02179	(14112908)
414241.76	3774052.96	5883.28603	(15092507)	414242.41	3774036.74	5702.57096	(15092507)
414243.06	3774017.27	5887.10400	(13071606)	414243.06	3773979.64	5677.91799	(13071606)

414239.81	3773932.92	4974.45047 (12112008)	414239.16	3773893.33	4789.42279 (12112008)
414646.03	3773967.31	22860.98460 (14092407)	414647.97	3773917.34	15832.63528 (15060806)
414646.03	3773895.93	13439.86783 (15060806)	414646.68	3773877.11	11879.71016 (15061606)
414646.68	3773841.42	9767.66156 (15061606)	414644.73	3773799.89	7660.20598 (13062606)
414649.92	3774091.90	37065.35871 (14071306)	414651.87	3774207.40	15968.05471 (14070606)
414647.28	3773769.60	6675.44594 (13062606)	414647.28	3773722.90	5500.63189 (13062606)
414588.50	3773543.39	3085.66323 (14053006)	414530.55	3773519.46	2626.66010 (16050906)
414486.45	3773503.08	2563.26550 (16050906)	414427.23	3773494.26	2385.69578 (12101107)
414356.68	3773470.32	2311.47110 (12100807)	414273.52	3773436.30	1845.97421 (12100807)
414053.04	3773606.39	1965.48396 (16111608)	414834.19	3774266.59	6261.22867 (14100107)

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA15 ***

INCLUDING SOURCE(S): AREA15 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
414016.08	3773637.64	1910.99616 (13062006)	414066.08	3773637.64	2093.37271 (13062006)
414116.08	3773637.64	2269.10543 (16111608)	414166.08	3773637.64	2372.96625 (16111608)
414216.08	3773637.64	2484.66567 (12070906)	414266.08	3773637.64	2807.83230 (15061806)
414316.08	3773637.64	2887.20049 (15061806)	414366.08	3773637.64	2759.93243 (15061806)
414416.08	3773637.64	3328.50901 (12100807)	414466.08	3773637.64	3596.09956 (12101107)
414516.08	3773637.64	3756.88033 (16050906)	414566.08	3773637.64	3993.52774 (14053006)
414616.08	3773637.64	4261.36446 (14062906)	414666.08	3773637.64	4126.70521 (13062606)
414716.08	3773637.64	4164.48740 (15061606)	414766.08	3773637.64	4062.43269 (15060806)
414816.08	3773637.64	3785.83398 (14070506)	414866.08	3773637.64	3369.71122 (14092407)
414916.08	3773637.64	3061.08356 (14092407)	414966.08	3773637.64	2868.98939 (14053106)
415016.08	3773637.64	2668.15045 (14060606)	414016.08	3773687.64	1998.21664 (14092207)
414066.08	3773687.64	2168.98790 (13062006)	414116.08	3773687.64	2436.62405 (13062006)
414166.08	3773687.64	2465.53383 (16111608)	414216.08	3773687.64	2574.11099 (16111608)
414266.08	3773687.64	2615.25411 (12070906)	414316.08	3773687.64	3007.00915 (15061806)
414366.08	3773687.64	3347.02237 (15061806)	414416.08	3773687.64	3751.02157 (12100807)
414466.08	3773687.64	4457.89792 (12100807)	414516.08	3773687.64	4473.53291 (16050906)
414566.08	3773687.64	4831.81255 (14053006)	414616.08	3773687.64	5133.86813 (14062906)
414666.08	3773687.64	5068.71899 (15061606)	414716.08	3773687.64	4772.67923 (13071906)
414766.08	3773687.64	4762.98523 (14070506)	414816.08	3773687.64	4046.24100 (14092407)
414866.08	3773687.64	3780.79726 (14092407)	414916.08	3773687.64	3460.66392 (14053106)
414966.08	3773687.64	3186.59739 (14060606)	415016.08	3773687.64	2832.17011 (14060606)
414016.08	3773737.64	2189.37150 (14092207)	414066.08	3773737.64	2404.88169 (14092207)
414116.08	3773737.64	2481.00585 (13062006)	414166.08	3773737.64	2650.96733 (13062006)
414216.08	3773737.64	2754.53458 (16111608)	414266.08	3773737.64	2975.64962 (16111608)
414316.08	3773737.64	3162.65362 (12070906)	414366.08	3773737.64	3942.64559 (15061806)
414416.08	3773737.64	4288.01359 (15061806)	414466.08	3773737.64	5543.71934 (12100807)
414516.08	3773737.64	5519.89236 (12101107)	414566.08	3773737.64	6019.17195 (14053006)
414616.08	3773737.64	6452.60118 (14062906)	414666.08	3773737.64	6412.28422 (15061606)
414716.08	3773737.64	5957.88747 (15060806)	414766.08	3773737.64	5340.19097 (14070506)

414816.08	3773737.64	4775.58357 (14092407)	414866.08	3773737.64	4242.55443 (14053106)
414916.08	3773737.64	3815.83348 (14060606)	414966.08	3773737.64	3377.88159 (13062806)
415016.08	3773737.64	3041.64017 (13062806)	414016.08	3773787.64	2259.05033 (12112008)
414066.08	3773787.64	2554.19701 (12112008)	414116.08	3773787.64	2643.06893 (14092207)
414166.08	3773787.64	2873.65836 (14092207)	414216.08	3773787.64	3195.71534 (13062006)
414266.08	3773787.64	3673.01006 (13062006)	414316.08	3773787.64	4011.63697 (16111608)
414366.08	3773787.64	4342.18873 (15061806)	414416.08	3773787.64	5696.93789 (15061806)
414466.08	3773787.64	6811.78787 (12100807)	414516.08	3773787.64	7083.65270 (12101107)
414566.08	3773787.64	7791.35556 (14053006)	414616.08	3773787.64	8365.70161 (13062606)
414666.08	3773787.64	8047.26055 (15061606)	414716.08	3773787.64	7405.91522 (14070506)
414766.08	3773787.64	6308.94504 (14092407)	414816.08	3773787.64	5154.77131 (14053106)

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA15 ***

INCLUDING SOURCE(S): AREA15 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
414866.08	3773787.64	4842.87474 (14060606)	414916.08	3773787.64	4231.83135 (13062806)
414966.08	3773787.64	3602.93519 (13062806)	415016.08	3773787.64	3147.82252 (13072206)
414016.08	3773837.64	2130.87125 (12112008)	414066.08	3773837.64	2598.96002 (12112008)
414116.08	3773837.64	3049.18735 (12112008)	414166.08	3773837.64	3541.95293 (12112008)
414216.08	3773837.64	4158.90682 (14092207)	414266.08	3773837.64	4370.05731 (13062006)
414316.08	3773837.64	5217.50054 (13062006)	414366.08	3773837.64	6267.53555 (16111608)
414416.08	3773837.64	7072.14450 (15061806)	414466.08	3773837.64	8574.16837 (15061806)
414516.08	3773837.64	9859.54068 (12100807)	414566.08	3773837.64	10546.00241 (14053006)
414616.08	3773837.64	11661.98985 (13062606)	414666.08	3773837.64	10733.15448 (15060806)
414716.08	3773837.64	8919.76445 (14092407)	414766.08	3773837.64	7535.53341 (14053106)
414816.08	3773837.64	6319.04772 (14060606)	414866.08	3773837.64	5369.50652 (13062806)
414916.08	3773837.64	4329.54353 (13072206)	414966.08	3773837.64	3929.75725 (14052606)
415016.08	3773837.64	3517.87747 (14061706)	414016.08	3773887.64	2536.46393 (16062006)
414066.08	3773887.64	2803.49856 (16062006)	414116.08	3773887.64	3066.87327 (16062006)
414166.08	3773887.64	3475.41714 (12112008)	414216.08	3773887.64	4366.87178 (12112008)
414266.08	3773887.64	5333.57521 (12112008)	414316.08	3773887.64	6485.75167 (14092207)
414366.08	3773887.64	8163.82779 (13062006)	414416.08	3773887.64	9724.72298 (16111608)
414466.08	3773887.64	12605.82120 (15061806)	414516.08	3773887.64	14535.55220 (12100807)
414566.08	3773887.64	15535.06781 (14053006)	414616.08	3773887.64	17590.33066 (15061606)
414666.08	3773887.64	14499.94073 (14070506)	414716.08	3773887.64	11409.90419 (14053106)
414766.08	3773887.64	9055.07929 (13062806)	414816.08	3773887.64	6905.37570 (13062806)
414866.08	3773887.64	5837.00923 (14052606)	414916.08	3773887.64	5170.27035 (14061706)
414966.08	3773887.64	4419.46729 (14061706)	415016.08	3773887.64	3742.72901 (14061706)
414016.08	3773937.64	2714.08001 (13071606)	414066.08	3773937.64	3085.85346 (13071606)
414116.08	3773937.64	3590.58050 (13071606)	414166.08	3773937.64	4183.83981 (13071606)
414216.08	3773937.64	4851.33934 (13071606)	414266.08	3773937.64	5583.88245 (16062006)
414316.08	3773937.64	6754.03904 (12112008)	414666.08	3773937.64	20545.12046 (14053106)
414716.08	3773937.64	14192.19628 (13062806)	414766.08	3773937.64	10271.19436 (14052606)

414816.08	3773937.64	8267.99311 (14061706)	414866.08	3773937.64	6410.98239 (14061706)
414916.08	3773937.64	5092.90263 (14062106)	414966.08	3773937.64	4497.03003 (15062506)
415016.08	3773937.64	3905.47960 (15062506)	414016.08	3773987.64	2672.58028 (15092507)
414066.08	3773987.64	3012.07640 (15092507)	414116.08	3773987.64	3423.70478 (15092507)
414166.08	3773987.64	4036.49613 (15020408)	414216.08	3773987.64	4902.12991 (13071606)
414266.08	3773987.64	6163.95281 (13071606)	414316.08	3773987.64	8445.66338 (13071606)
414666.08	3773987.64	28611.22088 (14061706)	414716.08	3773987.64	16891.32345 (14061706)
414766.08	3773987.64	11671.63158 (15062506)	414816.08	3773987.64	8612.92032 (15062506)
414866.08	3773987.64	6613.94585 (15062506)	414916.08	3773987.64	5260.85993 (15062506)
414966.08	3773987.64	4202.01475 (15062506)	415016.08	3773987.64	3605.06986 (13051406)
414016.08	3774037.64	2756.48403 (15092507)	414066.08	3774037.64	3170.36684 (15092507)
414116.08	3774037.64	3650.82622 (15092507)	414166.08	3774037.64	4268.99044 (15092507)

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA15 ***

INCLUDING SOURCE(S): AREA15 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
414216.08	3774037.64	5116.39621 (14060406)	414266.08	3774037.64	6237.77359 (14060406)
414316.08	3774037.64	8679.57798 (14060406)	414666.08	3774037.64	32054.51623 (15062406)
414716.08	3774037.64	18194.67120 (15062406)	414766.08	3774037.64	12159.13841 (15062406)
414816.08	3774037.64	8814.53436 (15062406)	414866.08	3774037.64	6814.18762 (15062406)
414916.08	3774037.64	5440.09110 (15062406)	414966.08	3774037.64	4546.89915 (15062406)
415016.08	3774037.64	3819.07067 (15062406)	414016.08	3774087.64	2799.27828 (14060406)
414066.08	3774087.64	3183.44921 (14060406)	414116.08	3774087.64	3634.00382 (14060406)
414166.08	3774087.64	4198.60064 (14060406)	414216.08	3774087.64	5002.69726 (16101007)
414266.08	3774087.64	6166.42760 (14112908)	414316.08	3774087.64	8430.71356 (14112908)
414666.08	3774087.64	25754.69512 (14100107)	414716.08	3774087.64	16320.60727 (14071306)
414766.08	3774087.64	11502.73282 (14012117)	414816.08	3774087.64	8656.84414 (12071406)
414866.08	3774087.64	6797.91052 (13111908)	414916.08	3774087.64	5670.13011 (13111908)
414966.08	3774087.64	4723.33903 (13111908)	415016.08	3774087.64	4051.38912 (13111908)
414016.08	3774137.64	2742.18019 (14112908)	414066.08	3774137.64	3127.97231 (14112908)
414116.08	3774137.64	3567.83707 (14112908)	414166.08	3774137.64	4131.37092 (14112908)
414216.08	3774137.64	4994.51247 (16120508)	414266.08	3774137.64	6093.90415 (16093007)
414316.08	3774137.64	8169.85954 (16093007)	414666.08	3774137.64	18533.42002 (12052206)
414716.08	3774137.64	13552.75223 (14100107)	414766.08	3774137.64	9767.67017 (14100107)
414816.08	3774137.64	7621.37734 (14071306)	414866.08	3774137.64	6454.55587 (14071306)
414916.08	3774137.64	5406.76353 (14012117)	414966.08	3774137.64	4603.89675 (12071406)
415016.08	3774137.64	3928.01882 (12071406)	414016.08	3774187.64	2699.44176 (16120508)
414066.08	3774187.64	3115.13268 (16120508)	414116.08	3774187.64	3473.14280 (16120508)
414166.08	3774187.64	4152.69555 (16093007)	414216.08	3774187.64	4803.44545 (16093007)
414266.08	3774187.64	5795.56055 (15071806)	414316.08	3774187.64	7076.89556 (12061706)
414666.08	3774187.64	13521.35554 (14070606)	414716.08	3774187.64	10923.79988 (12052206)
414766.08	3774187.64	8366.83008 (14100107)	414816.08	3774187.64	7239.25395 (14100107)
414866.08	3774187.64	5552.59463 (12071219)	414916.08	3774187.64	4686.19786 (14071306)

414966.08	3774187.64	4367.27624	(14071306)	415016.08	3774187.64	3814.31835	(14071306)
414016.08	3774237.64	2713.47199	(16093007)	414066.08	3774237.64	3048.40882	(16093007)
414116.08	3774237.64	3308.70453	(16093007)	414166.08	3774237.64	3965.40374	(15071806)
414216.08	3774237.64	4557.07796	(12061706)	414266.08	3774237.64	4978.50020	(12061706)
414316.08	3774237.64	5883.77520	(16120908)	414666.08	3774237.64	9256.26606	(13070206)
414716.08	3774237.64	8722.75374	(14070606)	414766.08	3774237.64	7524.87101	(12052206)
414816.08	3774237.64	5883.56246	(14101807)	414866.08	3774237.64	5478.35103	(14100107)
414916.08	3774237.64	4593.06290	(14100107)	414966.08	3774237.64	3768.28053	(12071219)
415016.08	3774237.64	3245.58656	(14071306)	414016.08	3774287.64	2572.08758	(15071806)
414066.08	3774287.64	2938.73290	(15071806)	414116.08	3774287.64	3290.42148	(15071806)
414166.08	3774287.64	3597.39521	(12061706)	414216.08	3774287.64	3820.93656	(16072106)
414266.08	3774287.64	4575.53048	(16120908)	414316.08	3774287.64	5196.97175	(13071806)
414666.08	3774287.64	7536.45874	(13070206)	414716.08	3774287.64	7317.56331	(14070606)

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA15 ***

INCLUDING SOURCE(S): AREA15 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
414766.08	3774287.64	6127.23581	(12052206)	414816.08	3774287.64	5686.84057	(12052206)
414866.08	3774287.64	4495.50027	(14101807)	414916.08	3774287.64	4359.45959	(14100107)
414966.08	3774287.64	3882.88666	(14100107)	415016.08	3774287.64	3196.41447	(12071219)
414016.08	3774337.64	2529.53183	(15071806)	414066.08	3774337.64	2772.13590	(12061706)
414116.08	3774337.64	2881.06693	(12061706)	414166.08	3774337.64	3157.38263	(16072106)
414216.08	3774337.64	3705.55919	(16120908)	414266.08	3774337.64	4106.59968	(13071806)
414316.08	3774337.64	4615.23942	(13071806)	414366.08	3774337.64	5276.42471	(15120908)
414416.08	3774337.64	5097.09210	(15120908)	414466.08	3774337.64	5575.20115	(13032507)
414516.08	3774337.64	5355.67315	(12102207)	414566.08	3774337.64	5735.15101	(12120808)
414666.08	3774337.64	5952.17517	(13070206)	414716.08	3774337.64	5379.72159	(14070606)
414766.08	3774337.64	5602.01240	(14070606)	414816.08	3774337.64	4898.97654	(12052206)
414866.08	3774337.64	4330.71614	(12052206)	414916.08	3774337.64	3699.15012	(14101807)
414966.08	3774337.64	3466.54353	(14100107)	415016.08	3774337.64	3259.95255	(14100107)
414016.08	3774387.64	2347.17089	(12061706)	414066.08	3774387.64	2367.57781	(16072106)
414116.08	3774387.64	2715.49070	(16120908)	414166.08	3774387.64	3079.79311	(16120908)
414216.08	3774387.64	3365.83574	(13071806)	414266.08	3774387.64	3783.13242	(13071806)
414316.08	3774387.64	4104.82298	(15120908)	414366.08	3774387.64	4447.29222	(15120908)
414416.08	3774387.64	4279.60544	(13032507)	414466.08	3774387.64	4546.77493	(13032507)
414516.08	3774387.64	4408.49152	(12102207)	414566.08	3774387.64	4725.77295	(12120808)
414616.08	3774387.64	4445.43933	(12072006)	414666.08	3774387.64	4633.71102	(13070206)
414716.08	3774387.64	4782.91846	(13070206)	414766.08	3774387.64	4723.93777	(14070606)
414816.08	3774387.64	4298.83598	(14070606)	414866.08	3774387.64	3990.49409	(12052206)
414916.08	3774387.64	3564.31413	(12052206)	414966.08	3774387.64	3047.30579	(14101807)
415016.08	3774387.64	2817.74823	(14100107)	414016.08	3774437.64	2104.23789	(16072106)
414066.08	3774437.64	2374.69474	(16120908)	414116.08	3774437.64	2600.51395	(16120908)
414166.08	3774437.64	2846.05420	(13071806)	414216.08	3774437.64	3167.55244	(13071806)

414266.08	3774437.64	3297.70394 (15120908)	414316.08	3774437.64	3772.95274 (15120908)
414366.08	3774437.64	3499.59927 (15120908)	414416.08	3774437.64	3855.06395 (13032507)
414466.08	3774437.64	3678.22579 (13032507)	414516.08	3774437.64	3661.65166 (12102207)
414566.08	3774437.64	4003.71847 (12120808)	414616.08	3774437.64	3650.24381 (12072006)
414666.08	3774437.64	3928.42632 (12072006)	414716.08	3774437.64	4146.60681 (13070206)
414766.08	3774437.64	3723.07036 (14070606)	414816.08	3774437.64	4005.53060 (14070606)
414866.08	3774437.64	3360.91452 (14070606)	414916.08	3774437.64	3369.41669 (12052206)
414966.08	3774437.64	3019.78456 (12052206)	415016.08	3774437.64	2621.84344 (14101807)
414016.08	3774487.64	2085.59684 (16120908)	414066.08	3774487.64	2251.22421 (16120908)
414116.08	3774487.64	2417.34732 (13071806)	414166.08	3774487.64	2714.55471 (13071806)
414216.08	3774487.64	2681.86907 (16040207)	414266.08	3774487.64	3169.62987 (15120908)
414316.08	3774487.64	3209.55198 (15120908)	414366.08	3774487.64	3048.07139 (13032507)
414416.08	3774487.64	3392.02012 (13032507)	414466.08	3774487.64	3169.82460 (12102207)
414516.08	3774487.64	3141.03827 (12120808)	414566.08	3774487.64	3443.66778 (12120808)

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA15 ***

INCLUDING SOURCE(S): AREA15 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
414616.08	3774487.64	3032.67846 (12072006)	414666.08	3774487.64	3437.14756 (12072006)
414716.08	3774487.64	3549.83423 (13070206)	414766.08	3774487.64	3348.76672 (13070206)
414816.08	3774487.64	3419.40551 (14070606)	414866.08	3774487.64	3326.73213 (14070606)
414916.08	3774487.64	2807.48132 (12052206)	414966.08	3774487.64	2888.59940 (12052206)
415016.08	3774487.64	2564.28441 (12052206)	414016.08	3774537.64	1972.27691 (16120908)
414066.08	3774537.64	2104.63893 (13071806)	414116.08	3774537.64	2323.79280 (13071806)
414166.08	3774537.64	2366.33025 (13071806)	414216.08	3774537.64	2641.90403 (15120908)
414266.08	3774537.64	2843.38776 (15120908)	414316.08	3774537.64	2514.71056 (15120908)
414366.08	3774537.64	2865.55122 (13032507)	414416.08	3774537.64	2927.52902 (13032507)
414466.08	3774537.64	2839.89977 (12102207)	414516.08	3774537.64	2866.25268 (12120808)
414566.08	3774537.64	3033.25278 (12120808)	414616.08	3774537.64	2660.22301 (12091821)
414666.08	3774537.64	3004.22999 (12072006)	414716.08	3774537.64	2976.68295 (13070206)
414766.08	3774537.64	3070.95606 (13070206)	414816.08	3774537.64	2812.37025 (14070606)
414866.08	3774537.64	3031.03777 (14070606)	414916.08	3774537.64	2732.77434 (14070606)
414966.08	3774537.64	2528.44661 (12052206)	415016.08	3774537.64	2513.78290 (12052206)
414016.08	3774587.64	1852.30901 (13071806)	414066.08	3774587.64	2065.50799 (13071806)
414116.08	3774587.64	2091.14396 (13071806)	414166.08	3774587.64	2222.91261 (15120908)
414216.08	3774587.64	2469.50725 (15120908)	414266.08	3774587.64	2409.24018 (15120908)
414316.08	3774587.64	2270.74021 (13032507)	414366.08	3774587.64	2614.42065 (13032507)
414416.08	3774587.64	2469.82678 (13032507)	414466.08	3774587.64	2530.26668 (12102207)
414516.08	3774587.64	2557.87124 (12120808)	414566.08	3774587.64	2697.08322 (12120808)
414616.08	3774587.64	2370.15504 (12091821)	414666.08	3774587.64	2610.76757 (12072006)
414716.08	3774587.64	2562.24548 (12072006)	414766.08	3774587.64	2754.94176 (13070206)
414816.08	3774587.64	2520.78452 (13070206)	414866.08	3774587.64	2641.88933 (14070606)
414916.08	3774587.64	2651.58715 (14070606)	414966.08	3774587.64	2273.90329 (14070606)

415016.08	3774587.64	2262.49388	(12052206)	414016.08	3774637.64	1840.16214	(13071806)
414066.08	3774637.64	1911.57384	(13071806)	414116.08	3774637.64	1904.94750	(15120908)
414166.08	3774637.64	2203.66081	(15120908)	414216.08	3774637.64	2223.14557	(15120908)
414266.08	3774637.64	1981.35350	(15120908)	414316.08	3774637.64	2228.45137	(13032507)
414366.08	3774637.64	2382.26167	(13032507)	414416.08	3774637.64	2136.33768	(13032507)
414466.08	3774637.64	2303.33937	(12102207)	414516.08	3774637.64	2326.12729	(12120808)
414566.08	3774637.64	2429.66834	(12120808)	414616.08	3774637.64	2125.67074	(12091821)
414666.08	3774637.64	2304.30310	(12072006)	414716.08	3774637.64	2363.76771	(12072006)
414766.08	3774637.64	2439.77612	(13070206)	414816.08	3774637.64	2408.92076	(13070206)
414866.08	3774637.64	2190.12627	(14070606)	414916.08	3774637.64	2443.03922	(14070606)
414966.08	3774637.64	2289.58622	(14070606)	415016.08	3774637.64	1924.90981	(14070606)
414361.21	3774308.59	5384.97979	(15120908)	414586.99	3774306.89	6231.20078	(12120808)
414586.99	3774347.63	5231.61281	(12120808)	414636.22	3774347.63	5443.34403	(12072006)
414629.43	3773930.02	25380.84868	(14070506)	414359.51	3773930.02	8717.64984	(12112008)
414406.37	3774308.25	6174.99370	(15120908)	414451.52	3774307.91	5936.82943	(13032507)

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA15 ***

INCLUDING SOURCE(S): AREA15 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
414496.68	3774307.57	6232.51694	(13032507)	414541.83	3774307.23	6264.62977	(12120808)
414635.47	3774301.23	6602.15613	(12072006)	414634.71	3774254.83	8824.25095	(13070206)
414633.96	3774208.43	12187.20925	(13070206)	414633.20	3774162.03	16885.76535	(14070606)
414632.45	3774115.62	27475.92077	(14070606)	414631.69	3774069.22	44713.67907	(14100107)
414630.94	3774022.82	55207.88442	(15062506)	414630.18	3773976.42	40987.59592	(14060606)
414584.44	3773930.02	28081.06059	(14062906)	414539.46	3773930.02	25838.88573	(12100807)
414494.47	3773930.02	20178.67759	(15061806)	414449.48	3773930.02	14751.58768	(13062006)
414404.50	3773930.02	11267.48683	(14092207)	414359.72	3773977.34	10065.57910	(13071606)
414359.94	3774024.66	9275.40137	(15092507)	414360.15	3774071.98	9608.13467	(14112908)
414360.36	3774119.31	9518.24072	(16093007)	414360.57	3774166.63	8776.67128	(12061706)
414360.79	3774213.95	7561.34513	(16120908)	414361.00	3774261.27	6562.25586	(13071806)
414651.22	3774193.13	12925.85592	(14070606)	414651.22	3774219.08	10887.87152	(13070206)
414651.87	3774247.64	9340.92382	(13070206)	414651.87	3774278.78	7895.14951	(13070206)
414651.87	3774298.90	7047.73840	(13070206)	414652.52	3774320.31	6290.37482	(13070206)
414651.87	3774365.09	5016.50092	(12072006)	414653.17	3774345.62	5455.90564	(13070206)
414649.27	3774056.86	37753.29954	(14071306)	414651.22	3774134.08	20070.92879	(12052206)
414650.57	3774166.52	16435.92254	(14070606)	414647.97	3774014.03	40620.97363	(15062506)
414248.25	3774308.63	4176.43421	(16120908)	414246.95	3774293.71	4249.51468	(16120908)
414246.30	3774277.48	4233.42563	(16120908)	414246.30	3774261.91	4279.01295	(16072106)
414246.95	3774244.39	4678.34729	(12061706)	414245.65	3774234.01	4885.79113	(12061706)
414246.30	3774219.73	5080.19001	(12061706)	414245.65	3774206.11	5218.64104	(15071806)
414245.00	3774187.94	5304.92936	(15071806)	414244.36	3774168.47	5404.84522	(16093007)
414244.36	3774156.14	5503.50404	(16093007)	414244.36	3774136.02	5484.29011	(16120508)
414241.76	3774052.96	5698.65700	(14060406)	414242.41	3774036.74	5596.22475	(15092507)

414243.06	3774017.27	5682.52161 (15092507)	414243.06	3773979.64	5560.26219 (13071606)
414239.81	3773932.92	5062.52435 (13071606)	414239.16	3773893.33	4731.17418 (12112008)
414646.03	3773967.31	31175.19247 (14060606)	414647.97	3773917.34	19695.47904 (14070506)
414646.03	3773895.93	17157.01735 (14070506)	414646.68	3773877.11	14648.70453 (15060806)
414646.68	3773841.42	11295.14238 (15061606)	414644.73	3773799.89	8914.47156 (15061606)
414649.92	3774091.90	28553.05019 (14100107)	414651.87	3774207.40	11422.66763 (13070206)
414647.28	3773769.60	7466.23952 (15061606)	414647.28	3773722.90	5959.21229 (13062606)
414588.50	3773543.39	3175.60791 (14053006)	414530.55	3773519.46	2705.55702 (16050906)
414486.45	3773503.08	2582.17265 (16050906)	414427.23	3773494.26	2393.75679 (12101107)
414356.68	3773470.32	2320.24401 (12100807)	414273.52	3773436.30	1830.06237 (12100807)
414053.04	3773606.39	1953.91726 (16111608)	414834.19	3774266.59	5199.36445 (14101807)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA16 ***

INCLUDING SOURCE(S): AREA16 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
414016.08	3773637.64	1915.59547 (12070806)	414066.08	3773637.64	2160.70380 (13062006)
414116.08	3773637.64	2381.19766 (13062006)	414166.08	3773637.64	2575.49942 (16111608)
414216.08	3773637.64	2655.17005 (16111608)	414266.08	3773637.64	2866.25793 (15061806)
414316.08	3773637.64	3081.47381 (15061806)	414366.08	3773637.64	3146.29341 (15061806)
414416.08	3773637.64	3604.04363 (12100807)	414466.08	3773637.64	4088.11130 (12100807)
414516.08	3773637.64	4183.70033 (16050906)	414566.08	3773637.64	4461.84101 (14053006)
414616.08	3773637.64	4853.29256 (14062906)	414666.08	3773637.64	4616.12347 (13062606)
414716.08	3773637.64	4558.43759 (13071906)	414766.08	3773637.64	4493.16456 (14070506)
414816.08	3773637.64	3944.32206 (14070506)	414866.08	3773637.64	3661.05200 (14092407)
414916.08	3773637.64	3260.73493 (14053106)	414966.08	3773637.64	3073.24070 (14053106)
415016.08	3773637.64	2838.31232 (14060606)	414016.08	3773687.64	2147.34588 (14092207)
414066.08	3773687.64	2277.52244 (14092207)	414116.08	3773687.64	2474.35697 (13062006)
414166.08	3773687.64	2601.86926 (13062006)	414216.08	3773687.64	2795.89176 (16111608)
414266.08	3773687.64	2830.95736 (16111608)	414316.08	3773687.64	3085.55687 (15061806)
414366.08	3773687.64	3689.72684 (15061806)	414416.08	3773687.64	3965.69079 (12100807)
414466.08	3773687.64	5100.68771 (12100807)	414516.08	3773687.64	5056.69791 (12101107)
414566.08	3773687.64	5491.28626 (14053006)	414616.08	3773687.64	5924.67261 (14062906)
414666.08	3773687.64	5894.87884 (15061606)	414716.08	3773687.64	5503.33247 (15060806)
414766.08	3773687.64	5244.28788 (14070506)	414816.08	3773687.64	4553.06858 (14092407)
414866.08	3773687.64	3992.20813 (14053106)	414916.08	3773687.64	3731.20903 (14053106)
414966.08	3773687.64	3366.28219 (14060606)	415016.08	3773687.64	3046.41582 (13062806)
414016.08	3773737.64	2266.48670 (12112008)	414066.08	3773737.64	2530.35269 (14092207)
414116.08	3773737.64	2536.72114 (14092207)	414166.08	3773737.64	2667.87637 (12070806)
414216.08	3773737.64	2918.37725 (13062006)	414266.08	3773737.64	3256.62209 (16111608)
414316.08	3773737.64	3479.94592 (16111608)	414366.08	3773737.64	4150.70481 (15061806)
414416.08	3773737.64	4965.08000 (15061806)	414466.08	3773737.64	6296.11509 (12100807)
414516.08	3773737.64	6405.64964 (12101107)	414566.08	3773737.64	7004.62698 (14053006)
414616.08	3773737.64	7560.42977 (14062906)	414666.08	3773737.64	7425.40938 (15061606)

414716.08	3773737.64	6847.71617	(14070506)	414766.08	3773737.64	5900.99523	(14092407)
414816.08	3773737.64	5060.28011	(14053106)	414866.08	3773737.64	4616.59034	(14060606)
414916.08	3773737.64	4033.12586	(13062806)	414966.08	3773737.64	3577.01411	(13062806)
415016.08	3773737.64	2972.90734	(13062806)	414016.08	3773787.64	2239.86599	(12112008)
414066.08	3773787.64	2612.21278	(12112008)	414116.08	3773787.64	2777.60096	(12112008)
414166.08	3773787.64	3043.98386	(12112008)	414216.08	3773787.64	3226.03172	(14092207)
414266.08	3773787.64	3870.59713	(13062006)	414316.08	3773787.64	4416.04701	(16111608)
414366.08	3773787.64	4871.79861	(16111608)	414416.08	3773787.64	6346.90301	(15061806)
414466.08	3773787.64	7586.34472	(12100807)	414516.08	3773787.64	8550.50665	(12100807)
414566.08	3773787.64	9379.97930	(14053006)	414616.08	3773787.64	10185.16146	(13062606)
414666.08	3773787.64	9440.46748	(15060806)	414716.08	3773787.64	8153.29163	(14070506)
414766.08	3773787.64	6853.26151	(14092407)	414816.08	3773787.64	5684.16439	(14060606)

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA16 ***

INCLUDING SOURCE(S): AREA16 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
414866.08	3773787.64	5197.60943	(13062806)	414916.08	3773787.64	4345.55341	(13062806)
414966.08	3773787.64	3785.51170	(14052606)	415016.08	3773787.64	3430.79411	(14052606)
414016.08	3773837.64	2369.01957	(13071606)	414066.08	3773837.64	2552.01651	(13071606)
414116.08	3773837.64	2929.17107	(12112008)	414166.08	3773837.64	3607.17733	(12112008)
414216.08	3773837.64	4397.31102	(12112008)	414266.08	3773837.64	4608.54661	(12112008)
414316.08	3773837.64	5345.16375	(13062006)	414366.08	3773837.64	7009.84039	(13062006)
414416.08	3773837.64	7903.13793	(16111608)	414466.08	3773837.64	10468.18706	(15061806)
414516.08	3773837.64	12458.83351	(12100807)	414566.08	3773837.64	13349.09463	(14053006)
414616.08	3773837.64	14635.22269	(15061606)	414666.08	3773837.64	13135.83332	(14070506)
414716.08	3773837.64	10228.46728	(14092407)	414766.08	3773837.64	8510.78505	(14060606)
414816.08	3773837.64	6876.83322	(13062806)	414866.08	3773837.64	5482.11930	(14052606)
414916.08	3773837.64	4773.38040	(14052606)	414966.08	3773837.64	4283.99973	(14061706)
415016.08	3773837.64	3784.73582	(14061706)	414016.08	3773887.64	2685.44599	(13071606)
414066.08	3773887.64	3038.66791	(13071606)	414116.08	3773887.64	3452.67233	(13071606)
414166.08	3773887.64	3903.36413	(13071606)	414216.08	3773887.64	4446.26305	(13071606)
414266.08	3773887.64	5319.42551	(12112008)	414316.08	3773887.64	6932.40545	(12112008)
414366.08	3773887.64	8867.87395	(14092207)	414416.08	3773887.64	11148.46260	(13062006)
414466.08	3773887.64	14626.34368	(16111608)	414516.08	3773887.64	18231.47874	(12100807)
414566.08	3773887.64	21429.54287	(14053006)	414616.08	3773887.64	23552.57050	(15061606)
414666.08	3773887.64	17742.98284	(14092407)	414716.08	3773887.64	13187.20498	(14060606)
414766.08	3773887.64	9495.73843	(13062806)	414816.08	3773887.64	7694.88805	(14061706)
414866.08	3773887.64	6497.34414	(14061706)	414916.08	3773887.64	5399.28200	(14061706)
414966.08	3773887.64	4419.93307	(12062406)	415016.08	3773887.64	3790.68213	(14070706)
414016.08	3773937.64	2615.22155	(15020408)	414066.08	3773937.64	3013.39373	(15020408)
414116.08	3773937.64	3553.22886	(13071606)	414166.08	3773937.64	4239.94109	(13071606)
414216.08	3773937.64	5142.17968	(13071606)	414266.08	3773937.64	6208.32218	(13071606)
414316.08	3773937.64	7832.90878	(13071606)	414666.08	3773937.64	25215.04059	(13062806)

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    414716.08  3773937.64   16387.18192 (14061706)      414766.08  3773937.64   11482.88752 (14061706)
    414816.08  3773937.64    8400.83796 (14062106)      414866.08  3773937.64    6659.43152 (15062506)
    414916.08  3773937.64    5243.02513 (15062506)      414966.08  3773937.64    4583.05083 (15062506)
    415016.08  3773937.64    3860.80511 (15062506)      414016.08  3773987.64    2782.29171 (15092507)
    414066.08  3773987.64    3165.52084 (15092507)      414116.08  3773987.64    3658.06952 (15092507)
    414166.08  3773987.64    4291.25336 (15092507)      414216.08  3773987.64    5145.88938 (15092507)
    414266.08  3773987.64    6328.95762 (15092507)      414316.08  3773987.64    8317.12950 (15092507)
    414666.08  3773987.64   30348.13882 (15062506)      414716.08  3773987.64   16577.97287 (15062506)
    414766.08  3773987.64   11027.20701 (13051406)      414816.08  3773987.64    8108.66705 (13051406)
    414866.08  3773987.64    6339.27202 (13051406)      414916.08  3773987.64    5138.40810 (13051406)
    414966.08  3773987.64    4241.53602 (13051406)      415016.08  3773987.64    3656.20854 (13051406)
    414016.08  3774037.64    2816.92692 (14060406)      414066.08  3774037.64    3270.26310 (14060406)
    414116.08  3774037.64    3774.62526 (14060406)      414166.08  3774037.64    4421.13958 (14060406)
  *** AERMOD - VERSION 19191 ***  *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc
***      05/24/21
*** AERMET - VERSION 16216 ***  ***                                          ***      12:11:05
                                                                    PAGE 211
*** MODELOPTs:   RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                  *** THE  1ST HIGHEST  1-HR AVERAGE CONCENTRATION  VALUES FOR SOURCE GROUP:
AREA16  ***
                     INCLUDING SOURCE(S):    AREA16    ,

                           *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                          ** CONC OF OTHER   IN MICROGRAMS/M**3                **

   X-COORD (M)  Y-COORD (M)       CONC     (YYMMDDHH)          X-COORD (M)  Y-COORD (M)       CONC
(YYMMDDHH)
-----------------------------------------------------------------------
    414216.08  3774037.64    5251.17685 (14060406)      414266.08  3774037.64    6325.79484 (14060406)
    414316.08  3774037.64    8479.35098 (16101007)      414666.08  3774037.64   28408.19957 (14071306)
    414716.08  3774037.64   17383.62327 (14012117)      414766.08  3774037.64   12004.26886 (13111908)
    414816.08  3774037.64    9015.17416 (13111908)      414866.08  3774037.64    7085.05041 (13111908)
    414916.08  3774037.64    5740.06861 (15062406)      414966.08  3774037.64    4839.20339 (15062406)
    415016.08  3774037.64    4171.26837 (15062406)      414016.08  3774087.64    2718.00199 (16101007)
    414066.08  3774087.64    3114.98447 (16101007)      414116.08  3774087.64    3603.54711 (14112908)
    414166.08  3774087.64    4210.63241 (14112908)      414216.08  3774087.64    4989.63026 (14112908)
    414266.08  3774087.64    6107.72966 (16120508)      414316.08  3774087.64    8284.23134 (16093007)
    414666.08  3774087.64   20519.17088 (12052206)      414716.08  3774087.64   14738.37954 (14100107)
    414766.08  3774087.64   10248.73836 (14071306)      414816.08  3774087.64    8416.94691 (14071306)
    414866.08  3774087.64    6665.70189 (14012117)      414916.08  3774087.64    5474.15999 (12071406)
    414966.08  3774087.64    4472.88676 (12071406)      415016.08  3774087.64    3939.94284 (13111908)
    414016.08  3774137.64    2733.55917 (14112908)      414066.08  3774137.64    3047.73141 (16120508)
    414116.08  3774137.64    3559.71350 (16120508)      414166.08  3774137.64    4131.42934 (16120508)
    414216.08  3774137.64    4978.54926 (16093007)      414266.08  3774137.64    5810.41214 (16093007)
    414316.08  3774137.64    7819.53063 (15071806)      414666.08  3774137.64   15190.53043 (14070606)
    414716.08  3774137.64   11515.57755 (12052206)      414766.08  3774137.64    9499.26781 (14100107)
    414816.08  3774137.64    7128.23451 (14100107)      414866.08  3774137.64    5646.11385 (14071306)
    414916.08  3774137.64    5197.34676 (14071306)      414966.08  3774137.64    4523.88196 (14071306)
    415016.08  3774137.64    3904.38937 (14012117)      414016.08  3774187.64    2690.04402 (16120508)
    414066.08  3774187.64    3117.05466 (16093007)      414116.08  3774187.64    3505.11852 (16093007)
    414166.08  3774187.64    3956.97319 (15071806)      414216.08  3774187.64    4718.09194 (15071806)
    414266.08  3774187.64    5442.88499 (12061706)      414316.08  3774187.64    6074.00500 (16072106)
    414666.08  3774187.64   10827.50879 (14070606)      414716.08  3774187.64    9254.26951 (12052206)
    414766.08  3774187.64    7635.81341 (12052206)      414816.08  3774187.64    6600.94049 (14100107)
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414866.08	3774187.64	5699.63597	(14100107)	414916.08	3774187.64	4567.71370	(12071219)
414966.08	3774187.64	3751.14946	(14071306)	415016.08	3774187.64	3588.27997	(14071306)
414016.08	3774237.64	2670.94810	(16093007)	414066.08	3774237.64	2923.64396	(15071806)
414116.08	3774237.64	3345.52997	(15071806)	414166.08	3774237.64	3806.92070	(12061706)
414216.08	3774237.64	4138.67403	(12061706)	414266.08	3774237.64	4623.75272	(16120908)
414316.08	3774237.64	5474.25590	(16120908)	414666.08	3774237.64	8231.77632	(13070206)
414716.08	3774237.64	7960.47312	(14070606)	414766.08	3774237.64	6818.14139	(12052206)
414816.08	3774237.64	5693.72510	(12052206)	414866.08	3774237.64	4896.04163	(14100107)
414916.08	3774237.64	4592.54275	(14100107)	414966.08	3774237.64	3825.56561	(14100107)
415016.08	3774237.64	3190.31798	(12071219)	414016.08	3774287.64	2604.86311	(15071806)
414066.08	3774287.64	2848.54494	(15071806)	414116.08	3774287.64	3098.72280	(12061706)
414166.08	3774287.64	3176.94450	(16072106)	414216.08	3774287.64	3814.20204	(16120908)
414266.08	3774287.64	4223.91312	(16120908)	414316.08	3774287.64	4957.85967	(13071806)
414666.08	3774287.64	6585.13341	(13070206)	414716.08	3774287.64	6183.03630	(14070606)

*** AERMOD - VERSION 19191 *** *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc *** 05/24/21
*** AERMET - VERSION 16216 *** *** *** 12:11:05

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA16 ***

INCLUDING SOURCE(S): AREA16 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
414766.08	3774287.64	5804.92234	(14070606)	414816.08	3774287.64	5324.55610	(12052206)
414866.08	3774287.64	4382.65056	(12052206)	414916.08	3774287.64	3817.21319	(14101807)
414966.08	3774287.64	3728.68420	(14100107)	415016.08	3774287.64	3313.44567	(14100107)
414016.08	3774337.64	2451.33937	(12061706)	414066.08	3774337.64	2563.90597	(12061706)
414116.08	3774337.64	2718.19593	(16072106)	414166.08	3774337.64	3161.90610	(16120908)
414216.08	3774337.64	3429.33304	(16120908)	414266.08	3774337.64	3989.03090	(13071806)
414316.08	3774337.64	4205.63631	(15120908)	414366.08	3774337.64	4831.43750	(15120908)
414416.08	3774337.64	4461.02720	(13032507)	414466.08	3774337.64	4929.53850	(13032507)
414516.08	3774337.64	4756.93692	(12102207)	414566.08	3774337.64	5102.05846	(12120808)
414666.08	3774337.64	5167.77927	(13070206)	414716.08	3774337.64	5002.23070	(13070206)
414766.08	3774337.64	5123.29725	(14070606)	414816.08	3774337.64	4326.08246	(14070606)
414866.08	3774337.64	4178.58174	(12052206)	414916.08	3774337.64	3551.47104	(12052206)
414966.08	3774337.64	3161.77828	(14101807)	415016.08	3774337.64	3054.61441	(14100107)
414016.08	3774387.64	2103.47969	(16072106)	414066.08	3774387.64	2367.07136	(16072106)
414116.08	3774387.64	2699.67599	(16120908)	414166.08	3774387.64	2870.20807	(16120908)
414216.08	3774387.64	3301.06473	(13071806)	414266.08	3774387.64	3411.18708	(13071806)
414316.08	3774387.64	3945.23291	(15120908)	414366.08	3774387.64	3873.37053	(15120908)
414416.08	3774387.64	4032.04581	(13032507)	414466.08	3774387.64	4011.85838	(13032507)
414516.08	3774387.64	3937.29015	(12102207)	414566.08	3774387.64	4269.98852	(12120808)
414616.08	3774387.64	3921.35585	(12072006)	414666.08	3774387.64	4172.03178	(12072006)
414716.08	3774387.64	4402.26803	(13070206)	414766.08	3774387.64	4093.41359	(14070606)
414816.08	3774387.64	4137.00037	(14070606)	414866.08	3774387.64	3561.58873	(12052206)
414916.08	3774387.64	3487.03004	(12052206)	414966.08	3774387.64	2922.67228	(12052206)
415016.08	3774387.64	2685.68960	(14101807)	414016.08	3774437.64	2096.45858	(16120908)
414066.08	3774437.64	2340.40343	(16120908)	414116.08	3774437.64	2425.74202	(16120908)

414166.08	3774437.64	2810.40023	(13071806)	414216.08	3774437.64	2917.45863	(13071806)
414266.08	3774437.64	3265.51472	(15120908)	414316.08	3774437.64	3451.03651	(15120908)
414366.08	3774437.64	3077.35255	(13032507)	414416.08	3774437.64	3572.32696	(13032507)
414466.08	3774437.64	3301.52690	(12102207)	414516.08	3774437.64	3330.38504	(12102207)
414566.08	3774437.64	3663.18790	(12120808)	414616.08	3774437.64	3212.71050	(12072006)
414666.08	3774437.64	3613.08860	(12072006)	414716.08	3774437.64	3793.77921	(13070206)
414766.08	3774437.64	3457.22451	(13070206)	414816.08	3774437.64	3682.95152	(14070606)
414866.08	3774437.64	3390.42918	(14070606)	414916.08	3774437.64	3072.96705	(12052206)
414966.08	3774437.64	2985.86066	(12052206)	415016.08	3774437.64	2520.41030	(12052206)
414016.08	3774487.64	2043.89881	(16120908)	414066.08	3774487.64	2086.90110	(16120908)
414116.08	3774487.64	2395.66329	(13071806)	414166.08	3774487.64	2528.94266	(13071806)
414216.08	3774487.64	2681.37609	(15120908)	414266.08	3774487.64	2996.58585	(15120908)
414316.08	3774487.64	2775.20981	(15120908)	414366.08	3774487.64	2929.74894	(13032507)
414416.08	3774487.64	3108.15044	(13032507)	414466.08	3774487.64	2951.77347	(12102207)
414516.08	3774487.64	2968.65557	(12120808)	414566.08	3774487.64	3182.26223	(12120808)

*** AERMOD - VERSION 19191 *** *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc *** 05/24/21

*** AERMET - VERSION 16216 *** *** *** 12:11:05

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA16 ***

INCLUDING SOURCE(S): AREA16 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
414616.08	3774487.64	2795.03299	(12091821)	414666.08	3774487.64	3175.45552	(12072006)
414716.08	3774487.64	3215.29714	(13070206)	414766.08	3774487.64	3195.22286	(13070206)
414816.08	3774487.64	3063.85432	(14070606)	414866.08	3774487.64	3171.61839	(14070606)
414916.08	3774487.64	2708.13761	(14070606)	414966.08	3774487.64	2685.19983	(12052206)
415016.08	3774487.64	2577.09120	(12052206)	414016.08	3774537.64	1828.70689	(16120908)
414066.08	3774537.64	2097.65124	(13071806)	414116.08	3774537.64	2217.48894	(13071806)
414166.08	3774537.64	2211.35339	(15120908)	414216.08	3774537.64	2565.31869	(15120908)
414266.08	3774537.64	2613.31388	(15120908)	414316.08	3774537.64	2269.53991	(13032507)
414366.08	3774537.64	2729.80220	(13032507)	414416.08	3774537.64	2679.65211	(13032507)
414466.08	3774537.64	2655.52769	(12102207)	414516.08	3774537.64	2682.61288	(12120808)
414566.08	3774537.64	2825.18256	(12120808)	414616.08	3774537.64	2481.59373	(12091821)
414666.08	3774537.64	2779.87130	(12072006)	414716.08	3774537.64	2694.43811	(12072006)
414766.08	3774537.64	2881.57896	(13070206)	414816.08	3774537.64	2535.18698	(13070206)
414866.08	3774537.64	2810.09015	(14070606)	414916.08	3774537.64	2719.72144	(14070606)
414966.08	3774537.64	2238.78088	(14070606)	415016.08	3774537.64	2400.43237	(12052206)
414016.08	3774587.64	1873.02217	(13071806)	414066.08	3774587.64	1986.76908	(13071806)
414116.08	3774587.64	1914.26100	(16040207)	414166.08	3774587.64	2228.96828	(15120908)
414216.08	3774587.64	2326.44903	(15120908)	414266.08	3774587.64	2149.91997	(15120908)
414316.08	3774587.64	2248.51704	(13032507)	414366.08	3774587.64	2474.28488	(13032507)
414416.08	3774587.64	2261.93554	(13032507)	414466.08	3774587.64	2380.65369	(12102207)
414516.08	3774587.64	2401.23389	(12120808)	414566.08	3774587.64	2531.04639	(12120808)
414616.08	3774587.64	2222.51785	(12091821)	414666.08	3774587.64	2451.58341	(12072006)
414716.08	3774587.64	2466.32562	(12072006)	414766.08	3774587.64	2578.26157	(13070206)
414816.08	3774587.64	2444.65382	(13070206)	414866.08	3774587.64	2355.13014	(14070606)

414916.08	3774587.64	2530.51194	(14070606)	414966.08	3774587.64	2300.10595	(14070606)
415016.08	3774587.64	2052.90674	(12052206)	414016.08	3774637.64	1777.53558	(13071806)
414066.08	3774637.64	1762.46588	(16040207)	414116.08	3774637.64	1962.15443	(15120908)
414166.08	3774637.64	2121.12482	(15120908)	414216.08	3774637.64	2005.50923	(15120908)
414266.08	3774637.64	1814.58795	(13032507)	414316.08	3774637.64	2165.05036	(13032507)
414366.08	3774637.64	2216.83103	(13032507)	414416.08	3774637.64	2052.04163	(12102207)
414466.08	3774637.64	2170.49200	(12102207)	414516.08	3774637.64	2217.58462	(12120808)
414566.08	3774637.64	2292.90528	(12120808)	414616.08	3774637.64	1998.87495	(12091821)
414666.08	3774637.64	2165.10515	(12072006)	414716.08	3774637.64	2253.37653	(12072006)
414766.08	3774637.64	2251.23527	(13070206)	414816.08	3774637.64	2302.31482	(13070206)
414866.08	3774637.64	2004.54870	(13070206)	414916.08	3774637.64	2238.74066	(14070606)
414966.08	3774637.64	2250.92164	(14070606)	415016.08	3774637.64	1949.37164	(14070606)
414361.21	3774308.59	5194.03405	(15120908)	414586.99	3774306.89	5470.06240	(12120808)
414586.99	3774347.63	4671.41812	(12120808)	414636.22	3774347.63	4847.21833	(12072006)
414629.43	3773930.02	34050.85821	(14092407)	414359.51	3773930.02	8937.21694	(13071606)
414406.37	3774308.25	5268.32727	(15120908)	414451.52	3774307.91	5455.98436	(13032507)

*** AERMOD - VERSION 19191 *** *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc *** 05/24/21
*** AERMET - VERSION 16216 *** *** *** 12:11:05

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA16 ***

INCLUDING SOURCE(S): AREA16 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
414496.68	3774307.57	5287.12263	(13032507)	414541.83	3774307.23	5565.08583	(12120808)
414635.47	3774301.23	5819.12667	(12072006)	414634.71	3774254.83	7212.86757	(13070206)
414633.96	3774208.43	9876.80442	(13070206)	414633.20	3774162.03	13682.81626	(13070206)
414632.45	3774115.62	20477.14436	(14070606)	414631.69	3774069.22	32751.52584	(12052206)
414630.94	3774022.82	51529.75320	(14071306)	414630.18	3773976.42	55422.86816	(14061706)
414584.44	3773930.02	47487.02459	(13062606)	414539.46	3773930.02	39281.20073	(12100807)
414494.47	3773930.02	26599.36084	(16111608)	414449.48	3773930.02	16250.34418	(12112008)
414404.50	3773930.02	12405.72080	(12112008)	414359.72	3773977.34	9978.67190	(13071606)
414359.94	3774024.66	9426.86027	(14060406)	414360.15	3774071.98	9421.06628	(16093007)
414360.36	3774119.31	8931.54082	(15071806)	414360.57	3774166.63	7846.55237	(16120908)
414360.79	3774213.95	6981.02295	(13071806)	414361.00	3774261.27	5835.86360	(13071806)
414651.22	3774193.13	10665.24955	(13070206)	414651.22	3774219.08	9290.93037	(13070206)
414651.87	3774247.64	7957.14331	(13070206)	414651.87	3774278.78	6650.96708	(13070206)
414651.87	3774298.90	5934.47014	(13070206)	414652.52	3774320.31	5304.43550	(13070206)
414651.87	3774365.09	4542.14233	(12072006)	414653.17	3774345.62	4844.68120	(12072006)
414649.27	3774056.86	30588.00205	(14100107)	414651.22	3774134.08	16741.27415	(14070606)
414650.57	3774166.52	12441.77639	(14070606)	414647.97	3774014.03	40945.77641	(13111908)
414248.25	3774308.63	3844.87341	(16120908)	414246.95	3774293.71	4036.41348	(16120908)
414246.30	3774277.48	4175.43179	(16120908)	414246.30	3774261.91	4266.13758	(16120908)
414246.95	3774244.39	4255.92940	(16072106)	414245.65	3774234.01	4279.44970	(16072106)
414246.30	3774219.73	4593.56144	(12061706)	414245.65	3774206.11	4832.35198	(12061706)
414245.00	3774187.94	5080.35457	(12061706)	414244.36	3774168.47	5256.61235	(15071806)
414244.36	3774156.14	5295.14166	(15071806)	414244.36	3774136.02	5439.31615	(16093007)

414241.76	3774052.96	5494.61773 (16101007)	414242.41	3774036.74	5695.23358 (14060406)
414243.06	3774017.27	5739.35297 (14060406)	414243.06	3773979.64	5647.32059 (15092507)
414239.81	3773932.92	5550.35059 (13071606)	414239.16	3773893.33	4807.57177 (13071606)
414646.03	3773967.31	39827.24283 (14061706)	414647.97	3773917.34	25203.97079 (14053106)
414646.03	3773895.93	21168.12776 (14092407)	414646.68	3773877.11	18773.85002 (14070506)
414646.68	3773841.42	14110.31472 (15060806)	414644.73	3773799.89	10735.67868 (15061606)
414649.92	3774091.90	23013.68722 (12052206)	414651.87	3774207.40	9880.15434 (13070206)
414647.28	3773769.60	8956.25170 (15061606)	414647.28	3773722.90	6847.12250 (13062606)
414588.50	3773543.39	3520.62765 (14053006)	414530.55	3773519.46	2981.80059 (16050906)
414486.45	3773503.08	2826.52230 (16050906)	414427.23	3773494.26	2680.90299 (12100807)
414356.68	3773470.32	2483.86803 (12100807)	414273.52	3773436.30	1930.32675 (15061806)
414053.04	3773606.39	2043.85854 (13062006)	414834.19	3774266.59	5169.96206 (12052206)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA2 ***

INCLUDING SOURCE(S): AREA2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
414016.08	3773637.64	1931.13511 (15061806)	414066.08	3773637.64	1982.53341 (15061806)
414116.08	3773637.64	1935.56193 (15071406)	414166.08	3773637.64	2161.57572 (12100807)
414216.08	3773637.64	2191.72762 (12100807)	414266.08	3773637.64	2142.64999 (12101107)
414316.08	3773637.64	1975.83528 (16050906)	414366.08	3773637.64	1862.41239 (16050906)
414416.08	3773637.64	2110.44843 (14053006)	414466.08	3773637.64	2258.56248 (14062906)
414516.08	3773637.64	2264.42114 (13062606)	414566.08	3773637.64	2290.60644 (15061606)
414616.08	3773637.64	2269.98066 (15061606)	414666.08	3773637.64	2178.36840 (15060806)
414716.08	3773637.64	2104.99858 (14070506)	414766.08	3773637.64	1938.44668 (14070506)
414816.08	3773637.64	1744.24674 (14092407)	414866.08	3773637.64	1691.57843 (14092407)
414916.08	3773637.64	1560.49347 (12071806)	414966.08	3773637.64	1510.10840 (14053106)
415016.08	3773637.64	1430.79345 (14053106)	414016.08	3773687.64	2041.91985 (15061806)
414066.08	3773687.64	2237.26344 (15061806)	414116.08	3773687.64	2102.69848 (15061806)
414166.08	3773687.64	2120.53997 (12100807)	414216.08	3773687.64	2222.86716 (12100807)
414266.08	3773687.64	2094.72898 (12101107)	414316.08	3773687.64	2123.23716 (16050906)
414366.08	3773687.64	2083.34838 (16050906)	414416.08	3773687.64	2378.50370 (14053006)
414466.08	3773687.64	2542.01941 (14062906)	414516.08	3773687.64	2547.22124 (13062606)
414566.08	3773687.64	2624.15695 (15061606)	414616.08	3773687.64	2484.26258 (13071906)
414666.08	3773687.64	2432.36413 (15060806)	414716.08	3773687.64	2298.57736 (14070506)
414766.08	3773687.64	2009.88626 (14092407)	414816.08	3773687.64	1943.86394 (14092407)
414866.08	3773687.64	1783.08643 (12071806)	414916.08	3773687.64	1715.44667 (14053106)
414966.08	3773687.64	1615.79926 (14053106)	415016.08	3773687.64	1529.46733 (14060606)
414016.08	3773737.64	2088.04225 (15061806)	414066.08	3773737.64	2446.60304 (15061806)
414116.08	3773737.64	2485.58076 (15061806)	414166.08	3773737.64	2227.36075 (15071406)
414216.08	3773737.64	2397.80494 (12100807)	414266.08	3773737.64	2370.96739 (12100807)
414316.08	3773737.64	2385.76531 (16050906)	414366.08	3773737.64	2427.35378 (16050906)
414416.08	3773737.64	2710.46267 (14053006)	414466.08	3773737.64	2913.81749 (14062906)
414516.08	3773737.64	2896.63343 (13062606)	414566.08	3773737.64	2965.64063 (15061606)

414616.08	3773737.64	2861.34431	(15060806)	414666.08	3773737.64	2732.93266	(14070506)
414716.08	3773737.64	2424.52425	(14070506)	414766.08	3773737.64	2269.50143	(14092407)
414816.08	3773737.64	2066.95249	(12071806)	414866.08	3773737.64	1974.14609	(14053106)
414916.08	3773737.64	1854.46035	(14060606)	414966.08	3773737.64	1735.33516	(14060606)
415016.08	3773737.64	1579.96378	(13062806)	414016.08	3773787.64	2287.59562	(12070906)
414066.08	3773787.64	2579.10921	(15061806)	414116.08	3773787.64	2886.02985	(15061806)
414166.08	3773787.64	2769.85206	(15061806)	414216.08	3773787.64	2823.24983	(12100807)
414266.08	3773787.64	2932.92423	(12100807)	414316.08	3773787.64	2890.25341	(12101107)
414366.08	3773787.64	2875.40827	(16050906)	414416.08	3773787.64	3245.44815	(14053006)
414466.08	3773787.64	3365.63149	(14062906)	414516.08	3773787.64	3296.73979	(15061606)
414566.08	3773787.64	3302.92935	(15061606)	414616.08	3773787.64	3269.43562	(15060806)
414666.08	3773787.64	3013.55742	(14070506)	414716.08	3773787.64	2681.75896	(14092407)
414766.08	3773787.64	2470.51977	(14092407)	414816.08	3773787.64	2306.21235	(14053106)

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA2 ***

INCLUDING SOURCE(S): AREA2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
414866.08	3773787.64	2149.35773	(14060606)	414916.08	3773787.64	1989.58499	(14060606)
414966.08	3773787.64	1805.25630	(13062806)	415016.08	3773787.64	1676.77282	(13062806)
414016.08	3773837.64	2617.98968	(16111608)	414066.08	3773837.64	2740.86699	(12070906)
414116.08	3773837.64	3192.27972	(15061806)	414166.08	3773837.64	3609.57706	(15061806)
414216.08	3773837.64	3620.31888	(15071406)	414266.08	3773837.64	4016.21760	(12100807)
414316.08	3773837.64	3729.28573	(12101107)	414366.08	3773837.64	3895.74924	(16050906)
414416.08	3773837.64	4027.82029	(14053006)	414466.08	3773837.64	3953.91320	(14062906)
414516.08	3773837.64	3934.11920	(15061606)	414566.08	3773837.64	3791.79045	(15060806)
414616.08	3773837.64	3774.78213	(14070506)	414666.08	3773837.64	3217.40813	(14092407)
414716.08	3773837.64	2985.03439	(14092407)	414766.08	3773837.64	2756.15342	(14053106)
414816.08	3773837.64	2545.61219	(14060606)	414866.08	3773837.64	2312.26792	(14060606)
414916.08	3773837.64	2094.79512	(13062806)	414966.08	3773837.64	1906.72492	(13062806)
415016.08	3773837.64	1673.15345	(13062806)	414016.08	3773887.64	2943.21320	(16111608)
414066.08	3773887.64	3188.88717	(16111608)	414116.08	3773887.64	3384.32992	(12070906)
414166.08	3773887.64	4104.78039	(15061806)	414216.08	3773887.64	4470.37439	(15061806)
414266.08	3773887.64	4980.10760	(12100807)	414316.08	3773887.64	4994.26282	(12100807)
414366.08	3773887.64	5164.70804	(16050906)	414416.08	3773887.64	5399.80106	(14053006)
414466.08	3773887.64	5180.27707	(13062606)	414516.08	3773887.64	4678.80320	(15061606)
414566.08	3773887.64	4413.35223	(14070506)	414616.08	3773887.64	4171.36036	(14070506)
414666.08	3773887.64	3737.68109	(14092407)	414716.08	3773887.64	3377.87110	(14053106)
414766.08	3773887.64	3084.28052	(14060606)	414816.08	3773887.64	2711.34138	(13062806)
414866.08	3773887.64	2461.05618	(13062806)	414916.08	3773887.64	2164.05569	(13062806)
414966.08	3773887.64	1909.88901	(13072206)	415016.08	3773887.64	1802.17010	(14052606)
414016.08	3773937.64	3206.13144	(13062006)	414066.08	3773937.64	3647.70656	(13062006)
414116.08	3773937.64	4051.79303	(16111608)	414166.08	3773937.64	4358.68306	(12070906)
414216.08	3773937.64	5451.88403	(15061806)	414266.08	3773937.64	5748.00709	(12100807)

414316.08	3773937.64	6555.01752 (12100807)	414666.08	3773937.64	4289.85418 (14053106)
414716.08	3773937.64	3836.04389 (14060606)	414766.08	3773937.64	3330.62072 (13062806)
414816.08	3773937.64	2924.62600 (13062806)	414866.08	3773937.64	2463.68805 (13072206)
414916.08	3773937.64	2296.87793 (14052606)	414966.08	3773937.64	2087.39940 (14052606)
415016.08	3773937.64	1929.75029 (14061706)	414016.08	3773987.64	3283.32552 (14092207)
414066.08	3773987.64	3876.02132 (13062006)	414116.08	3773987.64	4693.61000 (13062006)
414166.08	3773987.64	5426.59939 (16111608)	414216.08	3773987.64	5989.80175 (15061806)
414266.08	3773987.64	7584.53686 (15061806)	414316.08	3773987.64	8696.24585 (12100807)
414666.08	3773987.64	4972.48406 (14060606)	414716.08	3773987.64	4199.56872 (13062806)
414766.08	3773987.64	3451.70788 (13062806)	414816.08	3773987.64	3089.86642 (14052606)
414866.08	3773987.64	2739.92468 (14052606)	414916.08	3773987.64	2497.61231 (14061706)
414966.08	3773987.64	2285.84968 (14061706)	415016.08	3773987.64	2062.03382 (14061706)
414016.08	3774037.64	3552.44496 (12112008)	414066.08	3774037.64	4192.07931 (12112008)
414116.08	3774037.64	4896.15110 (14092207)	414166.08	3774037.64	6323.36450 (13062006)

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA2 ***

INCLUDING SOURCE(S): AREA2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
414216.08	3774037.64	7719.37858 (16111608)	414266.08	3774037.64	9354.08518 (15061806)
414316.08	3774037.64	11268.55041 (12100807)	414666.08	3774037.64	5439.79945 (13062806)
414716.08	3774037.64	4507.30910 (14052606)	414766.08	3774037.64	3866.66485 (14061706)
414816.08	3774037.64	3448.08110 (14061706)	414866.08	3774037.64	3024.68035 (14061706)
414916.08	3774037.64	2647.36959 (14061706)	414966.08	3774037.64	2292.72713 (12062406)
415016.08	3774037.64	2043.21929 (12062406)	414016.08	3774087.64	3747.81200 (13071606)
414066.08	3774087.64	4217.86640 (12112008)	414116.08	3774087.64	5431.62913 (12112008)
414166.08	3774087.64	6882.68385 (12112008)	414216.08	3774087.64	9008.82446 (13062006)
414266.08	3774087.64	12400.80303 (16111608)	414316.08	3774087.64	17015.40843 (15061806)
414666.08	3774087.64	6196.18374 (14061706)	414716.08	3774087.64	5159.88286 (14061706)
414766.08	3774087.64	4259.85967 (14061706)	414816.08	3774087.64	3511.39796 (12062406)
414866.08	3774087.64	3003.43932 (14070706)	414916.08	3774087.64	2655.28186 (15062506)
414966.08	3774087.64	2365.26779 (15062506)	415016.08	3774087.64	2113.47836 (15062506)
414016.08	3774137.64	4184.53081 (13071606)	414066.08	3774137.64	5062.49253 (13071606)
414116.08	3774137.64	6244.40199 (13071606)	414166.08	3774137.64	7851.65089 (13071606)
414216.08	3774137.64	9943.33394 (13071606)	414266.08	3774137.64	15076.65823 (12112008)
414316.08	3774137.64	25480.29235 (13062006)	414666.08	3774137.64	6616.29361 (15062506)
414716.08	3774137.64	5300.89113 (15062506)	414766.08	3774137.64	4353.89857 (15062506)
414816.08	3774137.64	3637.79613 (15062506)	414866.08	3774137.64	3051.90125 (15062506)
414916.08	3774137.64	2646.84125 (15062506)	414966.08	3774137.64	2286.52478 (15062506)
415016.08	3774137.64	2010.01664 (15062506)	414016.08	3774187.64	4076.33226 (15092507)
414066.08	3774187.64	4932.62797 (15092507)	414116.08	3774187.64	6157.72813 (15092507)
414166.08	3774187.64	8054.89087 (15092507)	414216.08	3774187.64	11276.37995 (13071606)
414266.08	3774187.64	18032.82802 (13071606)	414316.08	3774187.64	35299.10773 (13071606)
414666.08	3774187.64	6318.97323 (13051406)	414716.08	3774187.64	4972.82591 (13051406)

414766.08	3774187.64	4055.99738	(13051406)	414816.08	3774187.64	3397.07957	(13051406)
414866.08	3774187.64	2903.62183	(13051406)	414916.08	3774187.64	2517.03774	(13051406)
414966.08	3774187.64	2209.57727	(13051406)	415016.08	3774187.64	1960.99118	(13051406)
414016.08	3774237.64	4202.79208	(14060406)	414066.08	3774237.64	5090.17273	(14060406)
414116.08	3774237.64	6313.13740	(14060406)	414166.08	3774237.64	8115.54947	(14060406)
414216.08	3774237.64	11164.15753	(16101007)	414266.08	3774237.64	17195.69573	(16120508)
414316.08	3774237.64	32214.38526	(16093007)	414666.08	3774237.64	7026.65899	(13111908)
414716.08	3774237.64	5548.27878	(15062406)	414766.08	3774237.64	4533.67600	(15062406)
414816.08	3774237.64	3797.53975	(15062406)	414866.08	3774237.64	3228.83803	(15062406)
414916.08	3774237.64	2807.00886	(15062406)	414966.08	3774237.64	2456.69107	(15062406)
415016.08	3774237.64	2151.38641	(15062406)	414016.08	3774287.64	3982.09777	(14112908)
414066.08	3774287.64	4774.68851	(14112908)	414116.08	3774287.64	5983.60734	(16120508)
414166.08	3774287.64	7768.56929	(16093007)	414216.08	3774287.64	10353.96534	(15071806)
414266.08	3774287.64	14601.54391	(12061706)	414316.08	3774287.64	21313.87482	(13071806)
414666.08	3774287.64	6560.50115	(14012117)	414716.08	3774287.64	5258.46270	(12071406)

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA2 ***

INCLUDING SOURCE(S): AREA2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
414766.08	3774287.64	4270.12352	(12071406)	414816.08	3774287.64	3678.63589	(13111908)
414866.08	3774287.64	3185.76778	(13111908)	414916.08	3774287.64	2788.50060	(13111908)
414966.08	3774287.64	2461.71341	(13111908)	415016.08	3774287.64	2191.73653	(13111908)
414016.08	3774337.64	3905.40064	(16093007)	414066.08	3774337.64	4677.11002	(16093007)
414116.08	3774337.64	5649.50990	(15071806)	414166.08	3774337.64	6987.13870	(15071806)
414216.08	3774337.64	8350.72868	(12061706)	414266.08	3774337.64	11057.76350	(13071806)
414316.08	3774337.64	14440.90432	(15120908)	414366.08	3774337.64	15077.00286	(13032507)
414416.08	3774337.64	14999.18207	(12072006)	414466.08	3774337.64	15589.68897	(14070606)
414516.08	3774337.64	12526.83649	(12052206)	414566.08	3774337.64	9372.27808	(14100107)
414666.08	3774337.64	5483.63427	(14071306)	414716.08	3774337.64	4817.53263	(14071306)
414766.08	3774337.64	4134.11614	(14071306)	414816.08	3774337.64	3517.52473	(14012117)
414866.08	3774337.64	3047.58691	(14012117)	414916.08	3774337.64	2662.39127	(12071406)
414966.08	3774337.64	2328.00921	(12071406)	415016.08	3774337.64	2093.29512	(13111908)
414016.08	3774387.64	3710.59945	(15071806)	414066.08	3774387.64	4349.54012	(15071806)
414116.08	3774387.64	4987.65652	(12061706)	414166.08	3774387.64	5762.80043	(16120908)
414216.08	3774387.64	7097.81031	(13071806)	414266.08	3774387.64	8611.21417	(15120908)
414316.08	3774387.64	9254.90530	(15120908)	414366.08	3774387.64	9196.78094	(12102207)
414416.08	3774387.64	9449.57683	(12072006)	414466.08	3774387.64	10267.45271	(13070206)
414516.08	3774387.64	9507.03774	(14070606)	414566.08	3774387.64	7845.14716	(12052206)
414616.08	3774387.64	6147.39885	(14100107)	414666.08	3774387.64	5393.37170	(14100107)
414716.08	3774387.64	4339.00870	(14100107)	414766.08	3774387.64	3501.47814	(12071219)
414816.08	3774387.64	3219.26695	(14071306)	414866.08	3774387.64	2900.31184	(14071306)
414916.08	3774387.64	2581.92701	(14071306)	414966.08	3774387.64	2293.19028	(14012117)
415016.08	3774387.64	2064.05414	(14012117)	414016.08	3774437.64	3421.14039	(12061706)

414066.08	3774437.64	3735.84236	(12061706)	414116.08	3774437.64	4316.87807	(16120908)
414166.08	3774437.64	5063.60730	(13071806)	414216.08	3774437.64	5782.24069	(13071806)
414266.08	3774437.64	6747.57020	(15120908)	414316.08	3774437.64	6841.16580	(13032507)
414366.08	3774437.64	6615.81859	(12120808)	414416.08	3774437.64	6746.59099	(12120808)
414466.08	3774437.64	7374.15887	(13070206)	414516.08	3774437.64	7071.31416	(14070606)
414566.08	3774437.64	6288.50913	(14070606)	414616.08	3774437.64	5516.59794	(12052206)
414666.08	3774437.64	4335.85119	(14100107)	414716.08	3774437.64	4088.43441	(14100107)
414766.08	3774437.64	3561.03366	(14100107)	414816.08	3774437.64	2901.78705	(12071219)
414866.08	3774437.64	2473.56577	(12071219)	414916.08	3774437.64	2337.51549	(14071306)
414966.08	3774437.64	2166.34697	(14071306)	415016.08	3774437.64	2001.20311	(14071306)
414016.08	3774487.64	2876.03961	(16072106)	414066.08	3774487.64	3397.76016	(16120908)
414116.08	3774487.64	3847.72342	(13071806)	414166.08	3774487.64	4398.12929	(13071806)
414216.08	3774487.64	5015.74390	(15120908)	414266.08	3774487.64	4932.99118	(15120908)
414316.08	3774487.64	5259.14348	(13032507)	414366.08	3774487.64	5181.92055	(12120808)
414416.08	3774487.64	5194.88108	(12120808)	414466.08	3774487.64	5377.27712	(13070206)
414516.08	3774487.64	5449.58128	(13070206)	414566.08	3774487.64	5348.95666	(14070606)

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA2 ***

INCLUDING SOURCE(S): AREA2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
414616.08	3774487.64	4595.20960	(12052206)	414666.08	3774487.64	4164.31167	(12052206)
414716.08	3774487.64	3367.90274	(14101807)	414766.08	3774487.64	3193.06424	(14100107)
414816.08	3774487.64	2921.16909	(14100107)	414866.08	3774487.64	2543.60361	(14100107)
414916.08	3774487.64	2165.80826	(12071219)	414966.08	3774487.64	1871.20652	(12071219)
415016.08	3774487.64	1786.72626	(14071306)	414016.08	3774537.64	2765.85196	(16120908)
414066.08	3774537.64	3059.02837	(13071806)	414116.08	3774537.64	3457.78520	(13071806)
414166.08	3774537.64	3850.02102	(15120908)	414216.08	3774537.64	4110.36164	(15120908)
414266.08	3774537.64	4074.00494	(13032507)	414316.08	3774537.64	4143.66080	(13032507)
414366.08	3774537.64	4154.03809	(12120808)	414416.08	3774537.64	4178.97030	(12120808)
414466.08	3774537.64	4230.70019	(12072006)	414516.08	3774537.64	4504.90228	(13070206)
414566.08	3774537.64	4265.74078	(14070606)	414616.08	3774537.64	4084.73931	(14070606)
414666.08	3774537.64	3643.36566	(12052206)	414716.08	3774537.64	3306.65858	(12052206)
414766.08	3774537.64	2724.31427	(14101807)	414816.08	3774537.64	2592.54570	(14100107)
414866.08	3774537.64	2443.23341	(14100107)	414916.08	3774537.64	2204.86438	(14100107)
414966.08	3774537.64	1920.26225	(14100107)	415016.08	3774537.64	1697.42270	(12071219)
414016.08	3774587.64	2517.47961	(13071806)	414066.08	3774587.64	2832.89180	(13071806)
414116.08	3774587.64	3030.69672	(15120908)	414166.08	3774587.64	3364.63953	(15120908)
414216.08	3774587.64	3183.44874	(15120908)	414266.08	3774587.64	3461.10217	(13032507)
414316.08	3774587.64	3280.73578	(12102207)	414366.08	3774587.64	3479.16554	(12120808)
414416.08	3774587.64	3448.99328	(12120808)	414466.08	3774587.64	3487.29380	(12072006)
414516.08	3774587.64	3678.39068	(13070206)	414566.08	3774587.64	3472.06542	(13070206)
414616.08	3774587.64	3544.31694	(14070606)	414666.08	3774587.64	3202.33560	(14070606)
414716.08	3774587.64	2965.58339	(12052206)	414766.08	3774587.64	2696.19054	(12052206)

414816.08	3774587.64	2266.46686	(14101807)	414866.08	3774587.64	2157.71122	(14100107)
414916.08	3774587.64	2070.24440	(14100107)	414966.08	3774587.64	1915.97740	(14100107)
415016.08	3774587.64	1715.21135	(14100107)	414016.08	3774637.64	2369.08289	(13071806)
414066.08	3774637.64	2448.79597	(15120908)	414116.08	3774637.64	2781.28347	(15120908)
414166.08	3774637.64	2830.26242	(15120908)	414216.08	3774637.64	2768.96301	(13032507)
414266.08	3774637.64	2933.26569	(13032507)	414316.08	3774637.64	2790.23971	(12102207)
414366.08	3774637.64	2962.47180	(12120808)	414416.08	3774637.64	2911.45588	(12120808)
414466.08	3774637.64	2893.03360	(12072006)	414516.08	3774637.64	3071.49300	(13070206)
414566.08	3774637.64	3087.76679	(13070206)	414616.08	3774637.64	2967.54794	(14070606)
414666.08	3774637.64	2924.38459	(14070606)	414716.08	3774637.64	2563.97902	(14070606)
414766.08	3774637.64	2487.77903	(12052206)	414816.08	3774637.64	2238.07305	(12052206)
414866.08	3774637.64	1926.80083	(14101807)	414916.08	3774637.64	1776.30937	(14100107)
414966.08	3774637.64	1757.90342	(14100107)	415016.08	3774637.64	1676.24596	(14100107)
414361.21	3774308.59	20884.33514	(13032507)	414586.99	3774306.89	9171.98960	(14100107)
414586.99	3774347.63	8290.77936	(14100107)	414636.22	3774347.63	6560.73252	(14100107)
414629.43	3773930.02	4577.65194	(14092407)	414359.51	3773930.02	6291.21723	(16050906)
414406.37	3774308.25	21360.56998	(12120808)	414451.52	3774307.91	22264.47689	(14070606)

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA2 ***

INCLUDING SOURCE(S): AREA2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
414496.68	3774307.57	17104.80990	(12052206)	414541.83	3774307.23	12627.32092	(14100107)
414635.47	3774301.23	7403.90955	(14071306)	414634.71	3774254.83	8028.98716	(13111908)
414633.96	3774208.43	8264.22200	(15062406)	414633.20	3774162.03	8168.24738	(15062506)
414632.45	3774115.62	7881.98647	(14061706)	414631.69	3774069.22	6618.23562	(13062806)
414630.94	3774022.82	6139.09349	(14060606)	414630.18	3773976.42	5310.28140	(14053106)
414584.44	3773930.02	5104.81086	(14070506)	414539.46	3773930.02	5491.16381	(15060806)
414494.47	3773930.02	6121.67855	(15061606)	414449.48	3773930.02	6276.39225	(13062606)
414404.50	3773930.02	6688.97292	(14053006)	414359.72	3773977.34	8142.48468	(12101107)
414359.94	3774024.66	11036.70833	(12101107)	414360.15	3774071.98	17700.05708	(12100807)
414360.36	3774119.31	30961.16294	(12100807)	414360.57	3774166.63	68188.00540	(16111608)
414360.79	3774213.95	100145.76633	(16093007)	414361.00	3774261.27	45887.54892	(15120908)
414651.22	3774193.13	6894.97320	(15062406)	414651.22	3774219.08	7636.56560	(15062406)
414651.87	3774247.64	7525.28648	(13111908)	414651.87	3774278.78	7131.44790	(14012117)
414651.87	3774298.90	6914.29951	(14071306)	414652.52	3774320.31	6303.88102	(14071306)
414651.87	3774365.09	5975.03589	(14100107)	414653.17	3774345.62	5965.71768	(14100107)
414649.27	3774056.86	5986.38968	(13062806)	414651.22	3774134.08	7100.14722	(14061706)
414650.57	3774166.52	7382.63615	(15062506)	414647.97	3774014.03	5616.85344	(14060606)
414248.25	3774308.63	11463.32515	(12061706)	414246.95	3774293.71	12485.47177	(15071806)
414246.30	3774277.48	13251.76014	(15071806)	414246.30	3774261.91	13909.63121	(16093007)
414246.95	3774244.39	14256.19360	(16120508)	414245.65	3774234.01	14225.48410	(16101007)
414246.30	3774219.73	14985.85866	(14060406)	414245.65	3774206.11	14818.46691	(14060406)
414245.00	3774187.94	14495.39900	(13071606)	414244.36	3774168.47	14557.48193	(13071606)

414244.36	3774156.14	13662.00851	(13071606)	414244.36	3774136.02	12534.31945	(12112008)
414241.76	3774052.96	9107.27121	(16111608)	414242.41	3774036.74	8155.13503	(16111608)
414243.06	3774017.27	7585.01149	(15061806)	414243.06	3773979.64	6872.98681	(15061806)
414239.81	3773932.92	5539.17372	(15061806)	414239.16	3773893.33	4463.89822	(15061806)
414646.03	3773967.31	4948.60223	(14053106)	414647.97	3773917.34	4188.97528	(14092407)
414646.03	3773895.93	3992.66989	(14092407)	414646.68	3773877.11	3761.76014	(14092407)
414646.68	3773841.42	3445.88762	(14070506)	414644.73	3773799.89	3255.53986	(14070506)
414649.92	3774091.90	6700.14781	(14061706)	414651.87	3774207.40	7389.48491	(15062406)
414647.28	3773769.60	3017.06176	(14070506)	414647.28	3773722.90	2683.85618	(15060806)
414588.50	3773543.39	1867.87115	(15061606)	414530.55	3773519.46	1834.16255	(13062606)
414486.45	3773503.08	1781.07973	(14062906)	414427.23	3773494.26	1795.28474	(14053006)
414356.68	3773470.32	1541.69443	(16050906)	414273.52	3773436.30	1490.80296	(16050906)
414053.04	3773606.39	1807.80523	(15061806)	414834.19	3774266.59	3555.08045	(13111908)

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA3 ***

INCLUDING SOURCE(S): AREA3 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
414016.08	3773637.64	2037.57686	(15061806)	414066.08	3773637.64	2163.46096	(15061806)
414116.08	3773637.64	2071.48195	(15061806)	414166.08	3773637.64	2289.83560	(12100807)
414216.08	3773637.64	2437.52246	(12100807)	414266.08	3773637.64	2335.74243	(12101107)
414316.08	3773637.64	2157.23423	(16050906)	414366.08	3773637.64	2040.15532	(16050906)
414416.08	3773637.64	2313.39997	(14053006)	414466.08	3773637.64	2479.25520	(14062906)
414516.08	3773637.64	2491.50807	(13062606)	414566.08	3773637.64	2538.73329	(15061606)
414616.08	3773637.64	2418.48869	(13071906)	414666.08	3773637.64	2358.52454	(15060806)
414716.08	3773637.64	2250.62672	(14070506)	414766.08	3773637.64	2011.08018	(14070506)
414816.08	3773637.64	1898.31417	(14092407)	414866.08	3773637.64	1763.84408	(14092407)
414916.08	3773637.64	1644.68508	(14053106)	414966.08	3773637.64	1586.64392	(14053106)
415016.08	3773637.64	1504.53122	(14060606)	414016.08	3773687.64	2119.21303	(15061806)
414066.08	3773687.64	2396.20591	(15061806)	414116.08	3773687.64	2398.48409	(15061806)
414166.08	3773687.64	2222.49329	(12100807)	414216.08	3773687.64	2433.54171	(12100807)
414266.08	3773687.64	2278.87340	(12101107)	414316.08	3773687.64	2321.69674	(16050906)
414366.08	3773687.64	2328.44517	(16050906)	414416.08	3773687.64	2628.55735	(14053006)
414466.08	3773687.64	2826.04396	(14062906)	414516.08	3773687.64	2808.09733	(13062606)
414566.08	3773687.64	2881.33805	(15061606)	414616.08	3773687.64	2706.57408	(15060806)
414666.08	3773687.64	2644.94994	(14070506)	414716.08	3773687.64	2413.33572	(14070506)
414766.08	3773687.64	2193.43207	(14092407)	414816.08	3773687.64	2044.88773	(14092407)
414866.08	3773687.64	1889.15280	(14053106)	414916.08	3773687.64	1809.90107	(14053106)
414966.08	3773687.64	1704.67414	(14060606)	415016.08	3773687.64	1578.47677	(14060606)
414016.08	3773737.64	2217.75489	(12070906)	414066.08	3773737.64	2532.23268	(15061806)
414116.08	3773737.64	2744.79862	(15061806)	414166.08	3773737.64	2424.72664	(15061806)
414216.08	3773737.64	2609.94252	(12100807)	414266.08	3773737.64	2678.31339	(12100807)
414316.08	3773737.64	2651.93165	(12101107)	414366.08	3773737.64	2697.55645	(16050906)
414416.08	3773737.64	3020.50928	(14053006)	414466.08	3773737.64	3254.95828	(14062906)

414516.08	3773737.64	3200.83993	(13062606)	414566.08	3773737.64	3255.63891	(15061606)
414616.08	3773737.64	3148.28650	(15060806)	414666.08	3773737.64	2942.35085	(14070506)
414716.08	3773737.64	2564.63853	(14092407)	414766.08	3773737.64	2410.54558	(14092407)
414816.08	3773737.64	2204.18986	(14053106)	414866.08	3773737.64	2093.85290	(14053106)
414916.08	3773737.64	1955.94929	(14060606)	414966.08	3773737.64	1768.01383	(13062806)
415016.08	3773737.64	1651.08231	(13062806)	414016.08	3773787.64	2489.73851	(16111608)
414066.08	3773787.64	2645.59425	(12070906)	414116.08	3773787.64	3068.50640	(15061806)
414166.08	3773787.64	3192.89450	(15061806)	414216.08	3773787.64	3048.65676	(12100807)
414266.08	3773787.64	3349.23869	(12100807)	414316.08	3773787.64	3256.75011	(12101107)
414366.08	3773787.64	3293.37670	(16050906)	414416.08	3773787.64	3668.71571	(14053006)
414466.08	3773787.64	3808.21793	(14062906)	414516.08	3773787.64	3789.84179	(15061606)
414566.08	3773787.64	3663.02812	(15060806)	414616.08	3773787.64	3624.06090	(14070506)
414666.08	3773787.64	3169.75159	(14070506)	414716.08	3773787.64	2911.98418	(14092407)
414766.08	3773787.64	2622.73532	(14053106)	414816.08	3773787.64	2465.22574	(14060606)

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA3 ***

INCLUDING SOURCE(S): AREA3 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
414866.08	3773787.64	2278.91665	(14060606)	414916.08	3773787.64	2043.53620	(13062806)
414966.08	3773787.64	1885.13580	(13062806)	415016.08	3773787.64	1689.35096	(13062806)
414016.08	3773837.64	2870.20413	(16111608)	414066.08	3773837.64	3022.73974	(16111608)
414116.08	3773837.64	3229.28237	(15061806)	414166.08	3773837.64	3974.36286	(15061806)
414216.08	3773837.64	4163.37949	(15061806)	414266.08	3773837.64	4560.32590	(12100807)
414316.08	3773837.64	4263.39875	(12101107)	414366.08	3773837.64	4493.22655	(16050906)
414416.08	3773837.64	4644.88092	(14053006)	414466.08	3773837.64	4572.79202	(13062606)
414516.08	3773837.64	4499.72408	(15061606)	414566.08	3773837.64	4320.56629	(15060806)
414616.08	3773837.64	4066.24694	(14070506)	414666.08	3773837.64	3601.37170	(14092407)
414716.08	3773837.64	3200.90914	(14053106)	414766.08	3773837.64	2979.63984	(14060606)
414816.08	3773837.64	2687.73867	(14060606)	414866.08	3773837.64	2410.34326	(13062806)
414916.08	3773837.64	2166.56112	(13062806)	414966.08	3773837.64	1889.50426	(13062806)
415016.08	3773837.64	1738.87103	(14052606)	414016.08	3773887.64	3153.87146	(13062006)
414066.08	3773887.64	3530.40570	(16111608)	414116.08	3773887.64	3800.44729	(16111608)
414166.08	3773887.64	4233.33518	(15061806)	414216.08	3773887.64	5180.90128	(15061806)
414266.08	3773887.64	5512.82506	(12100807)	414316.08	3773887.64	6079.82420	(12100807)
414366.08	3773887.64	6112.47915	(16050906)	414416.08	3773887.64	6397.83347	(14053006)
414466.08	3773887.64	6102.99430	(13062606)	414516.08	3773887.64	5306.17931	(13071906)
414566.08	3773887.64	5064.16620	(14070506)	414616.08	3773887.64	4620.22827	(14092407)
414666.08	3773887.64	4041.84449	(14053106)	414716.08	3773887.64	3695.31491	(14060606)
414766.08	3773887.64	3256.53803	(14060606)	414816.08	3773887.64	2884.28040	(13062806)
414866.08	3773887.64	2471.02934	(13062806)	414916.08	3773887.64	2212.20832	(14052606)
414966.08	3773887.64	2048.16262	(14052606)	415016.08	3773887.64	1870.49784	(14052606)
414016.08	3773937.64	3173.63053	(12070806)	414066.08	3773937.64	3897.56043	(13062006)
414116.08	3773937.64	4506.45166	(13062006)	414166.08	3773937.64	5050.45931	(16111608)

414216.08	3773937.64	5932.12823 (15061806)	414266.08	3773937.64	6947.11397 (15061806)
414316.08	3773937.64	8009.16659 (12100807)	414666.08	3773937.64	4789.44984 (14060606)
414716.08	3773937.64	4073.15804 (13062806)	414766.08	3773937.64	3478.44061 (13062806)
414816.08	3773937.64	2951.93171 (14052606)	414866.08	3773937.64	2686.50595 (14052606)
414916.08	3773937.64	2400.12600 (14052606)	414966.08	3773937.64	2242.04244 (14061706)
415016.08	3773937.64	2039.35465 (14061706)	414016.08	3773987.64	3508.30144 (12112008)
414066.08	3773987.64	4038.14617 (14092207)	414116.08	3773987.64	4860.37377 (13062006)
414166.08	3773987.64	6100.69962 (13062006)	414216.08	3773987.64	7135.62998 (16111608)
414266.08	3773987.64	8983.08405 (15061806)	414316.08	3773987.64	10443.08623 (12100807)
414666.08	3773987.64	5351.35216 (13062806)	414716.08	3773987.64	4278.41908 (13062806)
414766.08	3773987.64	3763.30213 (14052606)	414816.08	3773987.64	3315.27995 (14061706)
414866.08	3773987.64	2978.17237 (14061706)	414916.08	3773987.64	2632.96093 (14061706)
414966.08	3773987.64	2321.50868 (14061706)	415016.08	3773987.64	2038.91732 (12062406)
414016.08	3774037.64	3467.93551 (13071606)	414066.08	3774037.64	4307.60541 (12112008)
414116.08	3774037.64	5359.67978 (12112008)	414166.08	3774037.64	6554.37948 (14092207)

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA3 ***

INCLUDING SOURCE(S): AREA3 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
414216.08	3774037.64	8850.00660 (13062006)	414266.08	3774037.64	11228.11172 (16111608)
414316.08	3774037.64	15164.55438 (15061806)	414666.08	3774037.64	5878.15822 (14052606)
414716.08	3774037.64	5014.49631 (14061706)	414766.08	3774037.64	4223.86307 (14061706)
414816.08	3774037.64	3549.88066 (14061706)	414866.08	3774037.64	3000.09427 (12062406)
414916.08	3774037.64	2603.97267 (14070706)	414966.08	3774037.64	2330.90549 (15062506)
415016.08	3774037.64	2099.47706 (15062506)	414016.08	3774087.64	4159.98569 (13071606)
414066.08	3774087.64	4968.42367 (13071606)	414116.08	3774087.64	5924.90833 (13071606)
414166.08	3774087.64	7144.42248 (13071606)	414216.08	3774087.64	9909.38622 (12112008)
414266.08	3774087.64	14206.85345 (13062006)	414316.08	3774087.64	22016.19896 (16111608)
414666.08	3774087.64	6600.44163 (14061706)	414716.08	3774087.64	5156.89665 (12062406)
414766.08	3774087.64	4297.40786 (15062506)	414816.08	3774087.64	3630.32328 (15062506)
414866.08	3774087.64	3111.80812 (15062506)	414916.08	3774087.64	2700.32439 (15062506)
414966.08	3774087.64	2330.69316 (15062506)	415016.08	3774087.64	2074.75628 (15062506)
414016.08	3774137.64	3955.34187 (15092507)	414066.08	3774137.64	4844.55013 (15020408)
414116.08	3774137.64	6156.93850 (13071606)	414166.08	3774137.64	8217.49373 (13071606)
414216.08	3774137.64	11664.74128 (13071606)	414266.08	3774137.64	17951.89822 (13071606)
414316.08	3774137.64	30653.32635 (13071606)	414666.08	3774137.64	6655.86452 (15062506)
414716.08	3774137.64	5153.70655 (15062506)	414766.08	3774137.64	4037.48783 (15062506)
414816.08	3774137.64	3387.34000 (13051406)	414866.08	3774137.64	2896.10870 (13051406)
414916.08	3774137.64	2516.06283 (13051406)	414966.08	3774137.64	2214.82334 (13051406)
415016.08	3774137.64	1971.13372 (13051406)	414016.08	3774187.64	4190.61924 (14060406)
414066.08	3774187.64	5094.97662 (14060406)	414116.08	3774187.64	6400.97614 (14060406)
414166.08	3774187.64	8363.68149 (14060406)	414216.08	3774187.64	11653.25084 (14060406)
414266.08	3774187.64	17852.02203 (14060406)	414316.08	3774187.64	33174.12539 (16120508)

414666.08 3774187.64 7055.83487 (15062406) 414716.08 3774187.64 5542.05014 (15062406)
414766.08 3774187.64 4481.82474 (15062406) 414816.08 3774187.64 3705.00273 (15062406)
414866.08 3774187.64 3168.58711 (15062406) 414916.08 3774187.64 2740.56996 (15062406)
414966.08 3774187.64 2376.89839 (15062406) 415016.08 3774187.64 2102.06964 (15062406)
414016.08 3774237.64 4018.59361 (16101007) 414066.08 3774237.64 4844.31696 (14112908)
414116.08 3774237.64 6002.23342 (14112908) 414166.08 3774237.64 7830.21122 (16120508)
414216.08 3774237.64 10823.31990 (16093007) 414266.08 3774237.64 15797.77109 (15071806)
414316.08 3774237.64 23611.80457 (16120908) 414666.08 3774237.64 6686.65496 (12071406)
414716.08 3774237.64 5268.64638 (13111908) 414766.08 3774237.64 4425.73972 (13111908)
414816.08 3774237.64 3751.98241 (13111908) 414866.08 3774237.64 3219.45371 (13111908)
414916.08 3774237.64 2795.64174 (13111908) 414966.08 3774237.64 2466.22326 (15062406)
415016.08 3774237.64 2199.21628 (15062406) 414016.08 3774287.64 3923.82639 (16120508)
414066.08 3774287.64 4742.10155 (16093007) 414116.08 3774287.64 5801.09069 (16093007)
414166.08 3774287.64 7290.76847 (15071806) 414216.08 3774287.64 9189.53289 (12061706)
414266.08 3774287.64 11733.97277 (16120908) 414316.08 3774287.64 16111.51503 (15120908)
414666.08 3774287.64 5997.67066 (14071306) 414716.08 3774287.64 5039.18585 (14071306)

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA3 ***
INCLUDING SOURCE(S): AREA3 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M) CONC (YYMMDDHH)

414766.08 3774287.64 4188.03431 (14012117) 414816.08 3774287.64 3564.05011 (14012117)
414866.08 3774287.64 3061.71635 (12071406) 414916.08 3774287.64 2621.39381 (12071406)
414966.08 3774287.64 2354.91367 (13111908) 415016.08 3774287.64 2152.32293 (13111908)
414016.08 3774337.64 3755.50086 (16093007) 414066.08 3774337.64 4459.97399 (15071806)
414116.08 3774337.64 5258.65191 (12061706) 414166.08 3774337.64 5969.10842 (12061706)
414216.08 3774337.64 7364.80759 (16120908) 414266.08 3774337.64 9083.34868 (13071806)
414316.08 3774337.64 10668.65636 (15120908) 414366.08 3774337.64 10479.43207 (13032507)
414416.08 3774337.64 10633.82307 (12072006) 414466.08 3774337.64 11374.59680 (13070206)
414516.08 3774337.64 10185.34253 (14070606) 414566.08 3774337.64 8217.57722 (12052206)
414666.08 3774337.64 5548.51161 (14100107) 414716.08 3774337.64 4301.44152 (12071219)
414766.08 3774337.64 3741.65715 (14071306) 414816.08 3774337.64 3372.59133 (14071306)
414866.08 3774337.64 2962.79628 (14071306) 414916.08 3774337.64 2596.34143 (14012117)
414966.08 3774337.64 2318.22751 (14012117) 415016.08 3774337.64 2080.42767 (12071406)
414016.08 3774387.64 3519.20568 (15071806) 414066.08 3774387.64 3932.64222 (12061706)
414116.08 3774387.64 4369.73410 (16120908) 414166.08 3774387.64 5198.76450 (16120908)
414216.08 3774387.64 6234.51853 (13071806) 414266.08 3774387.64 7321.46939 (15120908)
414316.08 3774387.64 7408.54405 (13032507) 414366.08 3774387.64 7239.06650 (12120808)
414416.08 3774387.64 7368.40217 (12120808) 414466.08 3774387.64 8103.72789 (13070206)
414516.08 3774387.64 7764.39615 (14070606) 414566.08 3774387.64 6597.04318 (12052206)
414616.08 3774387.64 5653.30684 (12052206) 414666.08 3774387.64 4705.51310 (14100107)
414716.08 3774387.64 4239.18000 (14100107) 414766.08 3774387.64 3562.25720 (14100107)
414816.08 3774387.64 2898.83951 (12071219) 414866.08 3774387.64 2606.23661 (14071306)
414916.08 3774387.64 2428.81658 (14071306) 414966.08 3774387.64 2231.92169 (14071306)

415016.08	3774387.64	2021.85608	(14071306)	414016.08	3774437.64	3068.72431	(12061706)
414066.08	3774437.64	3476.82896	(16120908)	414116.08	3774437.64	3946.46968	(16120908)
414166.08	3774437.64	4625.10995	(13071806)	414216.08	3774437.64	5269.59941	(15120908)
414266.08	3774437.64	5413.08238	(15120908)	414316.08	3774437.64	5705.59252	(13032507)
414366.08	3774437.64	5532.44654	(12120808)	414416.08	3774437.64	5580.40534	(12120808)
414466.08	3774437.64	5928.49834	(13070206)	414516.08	3774437.64	5752.22745	(13070206)
414566.08	3774437.64	5644.15458	(14070606)	414616.08	3774437.64	4913.09683	(12052206)
414666.08	3774437.64	4234.71950	(12052206)	414716.08	3774437.64	3558.18354	(14100107)
414766.08	3774437.64	3349.05787	(14100107)	414816.08	3774437.64	2966.10005	(14100107)
414866.08	3774437.64	2529.44044	(14100107)	414916.08	3774437.64	2153.77354	(12071219)
414966.08	3774437.64	1950.16940	(14071306)	415016.08	3774437.64	1862.59711	(14071306)
414016.08	3774487.64	2834.99853	(16120908)	414066.08	3774487.64	3109.48807	(16120908)
414116.08	3774487.64	3605.44123	(13071806)	414166.08	3774487.64	3927.75839	(15120908)
414216.08	3774487.64	4360.43608	(15120908)	414266.08	3774487.64	4293.32897	(13032507)
414316.08	3774487.64	4395.27099	(13032507)	414366.08	3774487.64	4420.43771	(12120808)
414416.08	3774487.64	4437.06771	(12120808)	414466.08	3774487.64	4491.39112	(12072006)
414516.08	3774487.64	4759.28160	(13070206)	414566.08	3774487.64	4590.26877	(14070606)

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA3 ***

INCLUDING SOURCE(S): AREA3 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
414616.08	3774487.64	4199.89285	(14070606)	414666.08	3774487.64	3815.03302	(12052206)
414716.08	3774487.64	3339.84585	(12052206)	414766.08	3774487.64	2799.87396	(14101807)
414816.08	3774487.64	2713.36677	(14100107)	414866.08	3774487.64	2492.61438	(14100107)
414916.08	3774487.64	2195.30784	(14100107)	414966.08	3774487.64	1890.64370	(12071219)
415016.08	3774487.64	1690.86244	(12071219)	414016.08	3774537.64	2533.03681	(13071806)
414066.08	3774537.64	2919.54779	(13071806)	414116.08	3774537.64	3060.86562	(15120908)
414166.08	3774537.64	3520.84592	(15120908)	414216.08	3774537.64	3480.15401	(15120908)
414266.08	3774537.64	3629.44630	(13032507)	414316.08	3774537.64	3490.27610	(13032507)
414366.08	3774537.64	3651.40772	(12120808)	414416.08	3774537.64	3639.95268	(12120808)
414466.08	3774537.64	3673.60037	(12072006)	414516.08	3774537.64	3940.01254	(13070206)
414566.08	3774537.64	3626.69061	(13070206)	414616.08	3774537.64	3715.42167	(14070606)
414666.08	3774537.64	3237.82807	(14070606)	414716.08	3774537.64	3080.23979	(12052206)
414766.08	3774537.64	2727.25113	(12052206)	414816.08	3774537.64	2320.50909	(14101807)
414866.08	3774537.64	2256.99574	(14100107)	414916.08	3774537.64	2123.44727	(14100107)
414966.08	3774537.64	1933.60105	(14100107)	415016.08	3774537.64	1697.23503	(14100107)
414016.08	3774587.64	2431.63305	(13071806)	414066.08	3774587.64	2563.57878	(13071806)
414116.08	3774587.64	2873.49769	(15120908)	414166.08	3774587.64	2998.35110	(15120908)
414216.08	3774587.64	2858.81435	(13032507)	414266.08	3774587.64	3081.84771	(13032507)
414316.08	3774587.64	2920.71209	(12102207)	414366.08	3774587.64	3106.38405	(12120808)
414416.08	3774587.64	3053.03727	(12120808)	414466.08	3774587.64	3063.13301	(12072006)
414516.08	3774587.64	3250.23361	(13070206)	414566.08	3774587.64	3240.63825	(13070206)
414616.08	3774587.64	3139.87764	(14070606)	414666.08	3774587.64	3015.19010	(14070606)

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   414716.08  3774587.64   2632.37813  (12052206)      414766.08  3774587.64   2556.15583  (12052206)
   414816.08  3774587.64   2271.28498  (12052206)      414866.08  3774587.64   1968.46632  (14101807)
   414916.08  3774587.64   1887.20543  (14100107)      414966.08  3774587.64   1825.74022  (14100107)
   415016.08  3774587.64   1701.90800  (14100107)      414016.08  3774637.64   2164.94925  (13071806)
   414066.08  3774637.64   2379.42566  (15120908)      414116.08  3774637.64   2556.20767  (15120908)
   414166.08  3774637.64   2451.40041  (15120908)      414216.08  3774637.64   2565.45455  (13032507)
   414266.08  3774637.64   2615.46539  (13032507)      414316.08  3774637.64   2513.55538  (12102207)
   414366.08  3774637.64   2659.20845  (12120808)      414416.08  3774637.64   2612.34829  (12120808)
   414466.08  3774637.64   2603.79475  (12072006)      414516.08  3774637.64   2781.76508  (13070206)
   414566.08  3774637.64   2906.33878  (13070206)      414616.08  3774637.64   2602.85182  (13070206)
   414666.08  3774637.64   2679.55386  (14070606)      414716.08  3774637.64   2454.52523  (14070606)
   414766.08  3774637.64   2263.89886  (12052206)      414816.08  3774637.64   2167.85922  (12052206)
   414866.08  3774637.64   1934.13500  (13070306)      414916.08  3774637.64   1716.39612  (13070306)
   414966.08  3774637.64   1606.79984  (14100107)      415016.08  3774637.64   1579.52763  (14100107)
   414361.21  3774308.59  14184.18535  (13032507)      414586.99  3774306.89   8492.34360  (14100107)
   414586.99  3774347.63   7059.07229  (12052206)      414636.22  3774347.63   6043.37540  (14100107)
   414629.43  3773930.02   5073.82807  (14053106)      414359.51  3773930.02   7577.26341  (16050906)
   414406.37  3774308.25  14232.66375  (12120808)      414451.52  3774307.91  15056.38935  (13070206)
  *** AERMOD - VERSION 19191 ***   *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc
***       05/24/21
*** AERMET - VERSION 16216 ***   ***                                                  ***       12:11:05
                                                                        PAGE 226
*** MODELOPTs:   RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP:
AREA3   ***
                    INCLUDING SOURCE(S):    AREA3      ,

                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                        ** CONC OF OTHER    IN MICROGRAMS/M**3                  **

   X-COORD (M)  Y-COORD (M)       CONC     (YYMMDDHH)          X-COORD (M)  Y-COORD (M)       CONC
(YYMMDDHH)
-----------------------------------------------------------------------
   414496.68  3774307.57  13293.39696  (14070606)      414541.83  3774307.23  10415.12638  (12052206)
   414635.47  3774301.23   6584.40705  (14100107)      414634.71  3774254.83   7657.98743  (14071306)
   414633.96  3774208.43   8349.70914  (13111908)      414633.20  3774162.03   7819.91367  (15062406)
   414632.45  3774115.62   8072.01770  (15062506)      414631.69  3774069.22   7630.02607  (14061706)
   414630.94  3774022.82   6667.13386  (13062806)      414630.18  3773976.42   5995.75972  (14060606)
   414584.44  3773930.02   5705.73547  (14092407)      414539.46  3773930.02   6451.49440  (14070506)
   414494.47  3773930.02   7251.38081  (15061606)      414449.48  3773930.02   7662.43393  (13062606)
   414404.50  3773930.02   8135.31284  (14053006)      414359.72  3773977.34  10315.45730  (12101107)
   414359.94  3774024.66  15447.74262  (12100807)      414360.15  3774071.98  26751.12059  (12100807)
   414360.36  3774119.31  54397.79203  (15061806)      414360.57  3774166.63 101745.23494  (14060406)
   414360.79  3774213.95  55333.98472  (13071806)      414361.00  3774261.27  24755.39706  (15120908)
   414651.22  3774193.13   7647.60339  (15062406)      414651.22  3774219.08   7451.35264  (13111908)
   414651.87  3774247.64   7081.58964  (14012117)      414651.87  3774278.78   6525.83808  (14071306)
   414651.87  3774298.90   5906.70600  (14100107)      414652.52  3774320.31   5972.04525  (14100107)
   414651.87  3774365.09   5365.22292  (14100107)      414653.17  3774345.62   5744.01987  (14100107)
   414649.27  3774056.86   6722.97123  (14061706)      414651.22  3774134.08   7284.09246  (15062506)
   414650.57  3774166.52   7288.43420  (15062406)      414647.97  3774014.03   6014.22347  (13062806)
   414248.25  3774308.63   9597.18036  (16120908)      414246.95  3774293.71  10216.62895  (16120908)
   414246.30  3774277.48  10998.41462  (12061706)      414246.30  3774261.91  12223.68349  (12061706)
   414246.95  3774244.39  13242.62001  (15071806)      414245.65  3774234.01  13503.59080  (16093007)
   414246.30  3774219.73  14031.12182  (16093007)      414245.65  3774206.11  14030.59822  (14112908)
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414245.00	3774187.94	14695.30539	(14060406)	414244.36	3774168.47	14490.05770	(14060406)
414244.36	3774156.14	14207.50237	(13071606)	414244.36	3774136.02	14647.94544	(13071606)
414241.76	3774052.96	10834.78767	(13062006)	414242.41	3774036.74	10087.00321	(13062006)
414243.06	3774017.27	9088.24254	(16111608)	414243.06	3773979.64	7600.41535	(15061806)
414239.81	3773932.92	6510.63579	(15061806)	414239.16	3773893.33	5417.47898	(15061806)
414646.03	3773967.31	5527.41058	(14060606)	414647.97	3773917.34	4692.53789	(14053106)
414646.03	3773895.93	4317.38441	(12071806)	414646.68	3773877.11	4168.69086	(14092407)
414646.68	3773841.42	3759.13892	(14092407)	414644.73	3773799.89	3474.01485	(14070506)
414649.92	3774091.90	7227.61615	(14061706)	414651.87	3774207.40	7559.03649	(13111908)
414647.28	3773769.60	3269.22962	(14070506)	414647.28	3773722.90	2937.15746	(14070506)
414588.50	3773543.39	2045.43482	(15061606)	414530.55	3773519.46	1969.49701	(13062606)
414486.45	3773503.08	1911.15437	(14062906)	414427.23	3773494.26	1927.35447	(14053006)
414356.68	3773470.32	1650.51693	(16050906)	414273.52	3773436.30	1589.63416	(16050906)
414053.04	3773606.39	2011.39255	(15061806)	414834.19	3774266.59	3372.97286	(13111908)

*** AERMOD - VERSION 19191 *** *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc *** 05/24/21

*** AERMET - VERSION 16216 *** *** *** 12:11:05

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA4 ***

INCLUDING SOURCE(S): AREA4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
414016.08	3773637.64	2514.59319	(15061806)	414066.08	3773637.64	2840.75083	(15061806)
414116.08	3773637.64	2349.88640	(15061806)	414166.08	3773637.64	2486.65736	(12100807)
414216.08	3773637.64	2754.97257	(12100807)	414266.08	3773637.64	2648.02114	(12101107)
414316.08	3773637.64	2514.42609	(16050906)	414366.08	3773637.64	2436.34268	(16050906)
414416.08	3773637.64	2732.59486	(14053006)	414466.08	3773637.64	2856.29712	(14062906)
414516.08	3773637.64	2840.16426	(13062606)	414566.08	3773637.64	2934.90777	(15061606)
414616.08	3773637.64	3263.62435	(13071906)	414666.08	3773637.64	3192.06965	(14070506)
414716.08	3773637.64	3009.46092	(14070506)	414766.08	3773637.64	2676.37221	(14092407)
414816.08	3773637.64	2567.15800	(14092407)	414866.08	3773637.64	2417.38117	(12071806)
414916.08	3773637.64	2332.02944	(14053106)	414966.08	3773637.64	2215.77959	(14060606)
415016.08	3773637.64	2083.55192	(14060606)	414016.08	3773687.64	2593.55318	(12070906)
414066.08	3773687.64	3050.57047	(15061806)	414116.08	3773687.64	2742.72434	(15061806)
414166.08	3773687.64	2520.86571	(15061806)	414216.08	3773687.64	2845.41058	(12100807)
414266.08	3773687.64	2771.33833	(12100807)	414316.08	3773687.64	2750.31228	(12101107)
414366.08	3773687.64	2761.23477	(16050906)	414416.08	3773687.64	3148.36450	(14053006)
414466.08	3773687.64	3309.56831	(14062906)	414516.08	3773687.64	3236.98313	(13062606)
414566.08	3773687.64	3172.04837	(15061606)	414616.08	3773687.64	3825.24856	(15060806)
414666.08	3773687.64	3653.53085	(14070506)	414716.08	3773687.64	3030.22650	(14092407)
414766.08	3773687.64	3014.50150	(14092407)	414816.08	3773687.64	2792.91750	(12071806)
414866.08	3773687.64	2680.34764	(14053106)	414916.08	3773687.64	2545.12728	(14060606)
414966.08	3773687.64	2319.85550	(14060606)	415016.08	3773687.64	2145.25653	(13062806)
414016.08	3773737.64	2967.28286	(12070906)	414066.08	3773737.64	3064.33937	(12070906)
414116.08	3773737.64	3065.06558	(15061806)	414166.08	3773737.64	3015.06664	(15061806)
414216.08	3773737.64	2974.11377	(12100807)	414266.08	3773737.64	3240.57504	(12100807)
414316.08	3773737.64	3181.22891	(12101107)	414366.08	3773737.64	3285.91028	(16050906)

414416.08	3773737.64	3676.42428	(14053006)	414466.08	3773737.64	3880.68203	(14062906)
414516.08	3773737.64	3814.98512	(15061606)	414566.08	3773737.64	3582.00089	(13071906)
414616.08	3773737.64	4371.12133	(14070506)	414666.08	3773737.64	3845.78268	(14070506)
414716.08	3773737.64	3556.47034	(14092407)	414766.08	3773737.64	3312.11766	(12071806)
414816.08	3773737.64	3121.55990	(14053106)	414866.08	3773737.64	2929.03933	(14060606)
414916.08	3773737.64	2613.58713	(14060606)	414966.08	3773737.64	2421.77588	(13062806)
415016.08	3773737.64	2180.94837	(13062806)	414016.08	3773787.64	3434.44555	(16111608)
414066.08	3773787.64	3584.94040	(12070906)	414116.08	3773787.64	3205.59477	(15061806)
414166.08	3773787.64	3768.68965	(15061806)	414216.08	3773787.64	3566.91582	(15061806)
414266.08	3773787.64	4113.74749	(12100807)	414316.08	3773787.64	4009.58774	(12101107)
414366.08	3773787.64	4101.95829	(16050906)	414416.08	3773787.64	4575.53966	(14053006)
414466.08	3773787.64	4670.12355	(13062606)	414516.08	3773787.64	4586.43072	(15061606)
414566.08	3773787.64	4306.68598	(15060806)	414616.08	3773787.64	4979.37745	(14070506)
414666.08	3773787.64	4312.74626	(14092407)	414716.08	3773787.64	3975.58734	(12071806)
414766.08	3773787.64	3713.05712	(14053106)	414816.08	3773787.64	3320.14460	(14060606)

*** AERMOD - VERSION 19191 *** *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc *** 05/24/21
*** AERMET - VERSION 16216 *** *** *** 12:11:05

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA4 ***

INCLUDING SOURCE(S): AREA4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
414866.08	3773787.64	3040.64596	(13062806)	414916.08	3773787.64	2785.99662	(13062806)
414966.08	3773787.64	2407.48602	(13062806)	415016.08	3773787.64	2278.89652	(13072206)
414016.08	3773837.64	3880.29246	(13062006)	414066.08	3773837.64	4277.68298	(16111608)
414116.08	3773837.64	4492.58675	(12070906)	414166.08	3773837.64	5073.51431	(15061806)
414216.08	3773837.64	6109.76458	(15061806)	414266.08	3773837.64	5272.25715	(12100807)
414316.08	3773837.64	5454.56944	(12100807)	414366.08	3773837.64	5648.95800	(16050906)
414416.08	3773837.64	5914.66694	(14053006)	414466.08	3773837.64	5782.60058	(13062606)
414516.08	3773837.64	5513.44940	(15061606)	414566.08	3773837.64	5164.67233	(14070506)
414616.08	3773837.64	5330.76453	(14092407)	414666.08	3773837.64	4949.25109	(12071806)
414716.08	3773837.64	4540.93562	(14053106)	414766.08	3773837.64	4128.98578	(14060606)
414816.08	3773837.64	3624.22103	(13062806)	414866.08	3773837.64	3186.30215	(13062806)
414916.08	3773837.64	2827.25278	(13072206)	414966.08	3773837.64	2629.29177	(14052606)
415016.08	3773837.64	2487.98601	(14052606)	414016.08	3773887.64	3937.71740	(12070806)
414066.08	3773887.64	4794.15739	(13062006)	414116.08	3773887.64	5456.38337	(16111608)
414166.08	3773887.64	5847.32657	(12070906)	414216.08	3773887.64	7086.42911	(15061806)
414266.08	3773887.64	7502.25598	(15061806)	414316.08	3773887.64	8973.44527	(12100807)
414366.08	3773887.64	8990.66903	(16050906)	414416.08	3773887.64	8251.81430	(14053006)
414466.08	3773887.64	7412.35526	(13062606)	414516.08	3773887.64	6882.70957	(15060806)
414566.08	3773887.64	6034.08117	(14070506)	414616.08	3773887.64	6406.97336	(12071806)
414666.08	3773887.64	5747.89801	(14053106)	414716.08	3773887.64	5037.08041	(14060606)
414766.08	3773887.64	4397.40002	(13062806)	414816.08	3773887.64	3657.80827	(13072206)
414866.08	3773887.64	3379.74852	(14052606)	414916.08	3773887.64	3165.37174	(14052606)
414966.08	3773887.64	2829.62080	(14052606)	415016.08	3773887.64	2673.34825	(14061706)
414016.08	3773937.64	4257.68265	(12112008)	414066.08	3773937.64	4759.07018	(14092207)

414116.08	3773937.64	6031.47324 (13062006)	414166.08	3773937.64	7247.07862 (16111608)
414216.08	3773937.64	8003.04522 (12070906)	414266.08	3773937.64	10198.72452 (15061806)
414316.08	3773937.64	11518.43817 (12100807)	414666.08	3773937.64	6416.29569 (13062806)
414716.08	3773937.64	5305.75327 (13062806)	414766.08	3773937.64	4596.94057 (14052606)
414816.08	3773937.64	4172.18396 (14052606)	414866.08	3773937.64	3719.09130 (14061706)
414916.08	3773937.64	3363.97224 (14061706)	414966.08	3773937.64	3098.26268 (14061706)
415016.08	3773937.64	2735.74385 (12062406)	414016.08	3773987.64	4296.44233 (12112008)
414066.08	3773987.64	5342.09655 (12112008)	414116.08	3773987.64	6366.06350 (12112008)
414166.08	3773987.64	7760.30576 (12070806)	414216.08	3773987.64	10219.51673 (13062006)
414266.08	3773987.64	11811.35183 (12070906)	414316.08	3773987.64	15012.87471 (15061806)
414666.08	3773987.64	6901.57551 (13072206)	414716.08	3773987.64	6007.63237 (14052606)
414766.08	3773987.64	5323.76559 (14061706)	414816.08	3773987.64	4624.48963 (14061706)
414866.08	3773987.64	3929.21237 (12062406)	414916.08	3773987.64	3455.71893 (12062406)
414966.08	3773987.64	3056.19164 (14070706)	415016.08	3773987.64	2767.60251 (14070706)
414016.08	3774037.64	5081.31140 (13071606)	414066.08	3774037.64	5699.57045 (13071606)
414116.08	3774037.64	6497.56661 (16101107)	414166.08	3774037.64	8505.48487 (12112008)

*** AERMOD - VERSION 19191 *** *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc *** 05/24/21
*** AERMET - VERSION 16216 *** *** *** 12:11:05

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA4 ***
INCLUDING SOURCE(S): AREA4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
414216.08	3774037.64	11147.21507 (14012908)	414266.08	3774037.64	15845.81480 (13062006)
414316.08	3774037.64	18835.64063 (12070906)	414666.08	3774037.64	8244.62658 (14061706)
414716.08	3774037.64	6525.70161 (12062406)	414766.08	3774037.64	5421.36790 (14070706)
414816.08	3774037.64	4641.69785 (15062506)	414866.08	3774037.64	4088.85325 (15062506)
414916.08	3774037.64	3589.31841 (15062506)	414966.08	3774037.64	3182.82331 (15062506)
415016.08	3774037.64	2807.35057 (15062506)	414016.08	3774087.64	5119.75952 (15020408)
414066.08	3774087.64	6254.74549 (15020408)	414116.08	3774087.64	7916.15465 (13071606)
414166.08	3774087.64	10175.80564 (13071606)	414216.08	3774087.64	13284.36427 (13071606)
414266.08	3774087.64	16886.85263 (13071606)	414316.08	3774087.64	24804.87211 (12112008)
414666.08	3774087.64	8464.51137 (15062506)	414716.08	3774087.64	6666.06010 (15062506)
414766.08	3774087.64	5352.03501 (15062506)	414816.08	3774087.64	4382.14372 (15062506)
414866.08	3774087.64	3698.10132 (12051506)	414916.08	3774087.64	3302.37071 (13051406)
414966.08	3774087.64	2934.48389 (13051406)	415016.08	3774087.64	2641.66676 (13051406)
414016.08	3774137.64	5065.75400 (15092507)	414066.08	3774137.64	6149.10950 (14060406)
414116.08	3774137.64	7629.71642 (14060406)	414166.08	3774137.64	9859.60006 (14060406)
414216.08	3774137.64	13365.55003 (14060406)	414266.08	3774137.64	19651.81993 (14060406)
414316.08	3774137.64	29578.83654 (14060406)	414666.08	3774137.64	8146.31696 (15062406)
414716.08	3774137.64	6465.41670 (15062406)	414766.08	3774137.64	5255.02828 (15062406)
414816.08	3774137.64	4356.91659 (15062406)	414866.08	3774137.64	3731.58969 (15062406)
414916.08	3774137.64	3248.52263 (15062406)	414966.08	3774137.64	2887.92809 (13071506)
415016.08	3774137.64	2586.65262 (13071506)	414016.08	3774187.64	5172.10475 (14060106)
414066.08	3774187.64	6254.57603 (16101007)	414116.08	3774187.64	7680.15007 (16101007)
414166.08	3774187.64	9634.23854 (14112908)	414216.08	3774187.64	12941.22939 (16120508)

414266.08	3774187.64	18333.56631 (16093007)	414316.08	3774187.64	25883.10714 (12061706)
414666.08	3774187.64	8426.32887 (13111908)	414716.08	3774187.64	6997.16233 (13111908)
414766.08	3774187.64	5828.56255 (13111908)	414816.08	3774187.64	4936.77632 (13111908)
414866.08	3774187.64	4288.81748 (15062406)	414916.08	3774187.64	3778.91137 (15062406)
414966.08	3774187.64	3363.25465 (15062406)	415016.08	3774187.64	2989.63553 (15062406)
414016.08	3774237.64	5037.99561 (16120508)	414066.08	3774237.64	6126.64311 (16120508)
414116.08	3774237.64	7457.00367 (16093007)	414166.08	3774237.64	9151.76801 (16093007)
414216.08	3774237.64	11763.80412 (12061706)	414266.08	3774237.64	14307.62004 (16120908)
414316.08	3774237.64	18932.09645 (13071806)	414666.08	3774237.64	7997.34689 (14071306)
414716.08	3774237.64	6601.30583 (14071306)	414766.08	3774237.64	5570.61817 (12071406)
414816.08	3774237.64	4728.27281 (12071406)	414866.08	3774237.64	3926.37039 (12071406)
414916.08	3774237.64	3607.27397 (13111908)	414966.08	3774237.64	3288.84752 (13111908)
415016.08	3774237.64	2960.65126 (13111908)	414016.08	3774287.64	5038.73039 (16093007)
414066.08	3774287.64	5673.53476 (16093007)	414116.08	3774287.64	6997.04330 (15071806)
414166.08	3774287.64	7953.00157 (12061706)	414216.08	3774287.64	9652.60874 (16120908)
414266.08	3774287.64	11955.21237 (13071806)	414316.08	3774287.64	13651.90148 (15120908)
414666.08	3774287.64	6904.94120 (12071219)	414716.08	3774287.64	5305.68525 (12071219)

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA4 ***

INCLUDING SOURCE(S): AREA4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
414766.08	3774287.64	5096.70450 (14071306)	414816.08	3774287.64	4623.62323 (14071306)
414866.08	3774287.64	3995.65680 (14071306)	414916.08	3774287.64	3576.13398 (12071406)
414966.08	3774287.64	3199.92987 (12071406)	415016.08	3774287.64	2804.57045 (12071406)
414016.08	3774337.64	4773.00717 (15071806)	414066.08	3774337.64	5407.71297 (12061706)
414116.08	3774337.64	5686.74346 (16072106)	414166.08	3774337.64	7027.07580 (16120908)
414216.08	3774337.64	8365.59495 (13071806)	414266.08	3774337.64	9718.94078 (15120908)
414316.08	3774337.64	9773.13610 (13032507)	414366.08	3774337.64	9727.45966 (12102207)
414416.08	3774337.64	9328.49781 (12120808)	414466.08	3774337.64	10417.33447 (13070206)
414516.08	3774337.64	10329.43171 (14070606)	414566.08	3774337.64	8865.78276 (12052206)
414666.08	3774337.64	6442.98116 (14100107)	414716.08	3774337.64	5649.90404 (14100107)
414766.08	3774337.64	4635.06489 (12071219)	414816.08	3774337.64	3716.09857 (12071219)
414866.08	3774337.64	3552.49061 (14071306)	414916.08	3774337.64	3417.67290 (14071306)
414966.08	3774337.64	3116.06368 (14071306)	415016.08	3774337.64	2787.29332 (14071306)
414016.08	3774387.64	4176.63143 (12061706)	414066.08	3774387.64	4597.53526 (16072106)
414116.08	3774387.64	5417.75170 (16120908)	414166.08	3774387.64	6289.68989 (13071806)
414216.08	3774387.64	6916.01029 (15120908)	414266.08	3774387.64	7178.87891 (15120908)
414316.08	3774387.64	7791.74363 (13032507)	414366.08	3774387.64	7313.77715 (12102207)
414416.08	3774387.64	7249.51628 (12120808)	414466.08	3774387.64	7577.11971 (12072006)
414516.08	3774387.64	7186.00260 (13070206)	414566.08	3774387.64	7487.47682 (14070606)
414616.08	3774387.64	6699.96544 (12052206)	414666.08	3774387.64	5396.64241 (14101807)
414716.08	3774387.64	4829.36252 (14100107)	414766.08	3774387.64	4635.94300 (14100107)
414816.08	3774387.64	3890.42929 (14100107)	414866.08	3774387.64	3340.47562 (12071219)

414916.08	3774387.64	2744.55683	(12071219)	414966.08	3774387.64	2663.61056	(14071306)
415016.08	3774387.64	2618.68766	(14071306)	414016.08	3774437.64	3812.44831	(16120908)
414066.08	3774437.64	4341.09234	(16120908)	414116.08	3774437.64	4942.39680	(13071806)
414166.08	3774437.64	5036.14972	(15120908)	414216.08	3774437.64	6038.44337	(15120908)
414266.08	3774437.64	5687.18393	(13032507)	414316.08	3774437.64	5945.31915	(13032507)
414366.08	3774437.64	5947.86529	(12120808)	414416.08	3774437.64	5862.10229	(12120808)
414466.08	3774437.64	6244.92277	(12072006)	414516.08	3774437.64	6260.58766	(13070206)
414566.08	3774437.64	6253.90712	(14070606)	414616.08	3774437.64	5360.81969	(14070606)
414666.08	3774437.64	5275.56796	(12052206)	414716.08	3774437.64	4279.00621	(14101807)
414766.08	3774437.64	3839.90999	(14101807)	414816.08	3774437.64	3833.00499	(14100107)
414866.08	3774437.64	3428.30222	(14100107)	414916.08	3774437.64	2964.30319	(12071219)
414966.08	3774437.64	2595.80506	(12071219)	415016.08	3774437.64	2148.87700	(12071219)
414016.08	3774487.64	3578.45527	(16120908)	414066.08	3774487.64	4032.77970	(13071806)
414116.08	3774487.64	4204.35326	(13071806)	414166.08	3774487.64	4884.38389	(15120908)
414216.08	3774487.64	4570.72724	(15120908)	414266.08	3774487.64	5097.72671	(13032507)
414316.08	3774487.64	4779.75260	(12102207)	414366.08	3774487.64	5003.70425	(12120808)
414416.08	3774487.64	4890.07035	(12120808)	414466.08	3774487.64	5171.96770	(12072006)
414516.08	3774487.64	5213.66320	(13070206)	414566.08	3774487.64	4580.01946	(14070606)

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA4 ***

INCLUDING SOURCE(S): AREA4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
414616.08	3774487.64	5141.65221	(14070606)	414666.08	3774487.64	4270.99203	(12052206)
414716.08	3774487.64	4317.28412	(12052206)	414766.08	3774487.64	3506.63591	(14101807)
414816.08	3774487.64	3285.25862	(14101807)	414866.08	3774487.64	3179.03400	(14100107)
414916.08	3774487.64	3001.80433	(14100107)	414966.08	3774487.64	2613.74799	(14100107)
415016.08	3774487.64	2370.06764	(12071219)	414016.08	3774537.64	3380.20294	(13071806)
414066.08	3774537.64	3582.61427	(13071806)	414116.08	3774537.64	3902.43598	(15120908)
414166.08	3774537.64	4118.88042	(15120908)	414216.08	3774537.64	3770.89799	(13032507)
414266.08	3774537.64	4376.66416	(13032507)	414316.08	3774537.64	4168.85635	(12102207)
414366.08	3774537.64	4330.06540	(12120808)	414416.08	3774537.64	4173.59099	(12120808)
414466.08	3774537.64	4319.72824	(12072006)	414516.08	3774537.64	4228.70390	(13070206)
414566.08	3774537.64	4205.71684	(13070206)	414616.08	3774537.64	4307.99641	(14070606)
414666.08	3774537.64	4113.92112	(14070606)	414716.08	3774537.64	3703.09051	(12052206)
414766.08	3774537.64	3581.95812	(12052206)	414816.08	3774537.64	2987.68229	(14101807)
414866.08	3774537.64	2814.90240	(14101807)	414916.08	3774537.64	2670.68495	(14100107)
414966.08	3774537.64	2623.00289	(14100107)	415016.08	3774537.64	2384.49411	(14100107)
414016.08	3774587.64	3075.90972	(13071806)	414066.08	3774587.64	3204.88518	(15120908)
414116.08	3774587.64	3599.20405	(15120908)	414166.08	3774587.64	3147.20184	(15120908)
414216.08	3774587.64	3583.84076	(13032507)	414266.08	3774587.64	3651.33247	(13032507)
414316.08	3774587.64	3620.69262	(12102207)	414366.08	3774587.64	3748.25472	(12120808)
414416.08	3774587.64	3625.66085	(12120808)	414466.08	3774587.64	3643.82860	(12072006)
414516.08	3774587.64	3658.69578	(12072006)	414566.08	3774587.64	3782.18290	(13070206)

414616.08	3774587.64	3288.47904	(14070606)	414666.08	3774587.64	3802.24863	(14070606)
414716.08	3774587.64	3246.22756	(14070606)	414766.08	3774587.64	3214.80508	(12052206)
414816.08	3774587.64	3070.06387	(12052206)	414866.08	3774587.64	2571.27176	(14101807)
414916.08	3774587.64	2467.57662	(14101807)	414966.08	3774587.64	2251.57271	(14100107)
415016.08	3774587.64	2297.12686	(14100107)	414016.08	3774637.64	2581.20926	(15120908)
414066.08	3774637.64	3116.91511	(15120908)	414116.08	3774637.64	3017.01746	(15120908)
414166.08	3774637.64	2726.63207	(13032507)	414216.08	3774637.64	3274.59092	(13032507)
414266.08	3774637.64	2962.16455	(13032507)	414316.08	3774637.64	3170.60980	(12102207)
414366.08	3774637.64	3341.59709	(12120808)	414416.08	3774637.64	3195.33074	(12120808)
414466.08	3774637.64	3085.00574	(12072006)	414516.08	3774637.64	3321.32485	(12072006)
414566.08	3774637.64	3309.10754	(13070206)	414616.08	3774637.64	3050.53358	(13070206)
414666.08	3774637.64	3232.83926	(14070606)	414716.08	3774637.64	3240.83201	(14070606)
414766.08	3774637.64	2610.48652	(14070606)	414816.08	3774637.64	2833.19002	(12052206)
414866.08	3774637.64	2635.53574	(12052206)	414916.08	3774637.64	2248.84507	(14101807)
414966.08	3774637.64	2183.07901	(14101807)	415016.08	3774637.64	1940.01504	(14101807)
414361.21	3774308.59	11542.08012	(12102207)	414586.99	3774306.89	8565.65418	(14101807)
414586.99	3774347.63	8180.62867	(12052206)	414636.22	3774347.63	6515.19985	(14101807)
414629.43	3773930.02	7228.93283	(14060606)	414359.51	3773930.02	11291.44131	(12101107)
414406.37	3774308.25	12031.97579	(12120808)	414451.52	3774307.91	12444.59300	(13070206)

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA4 ***

INCLUDING SOURCE(S): AREA4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
414496.68	3774307.57	12496.52611	(14070606)	414541.83	3774307.23	10798.48091	(12052206)
414635.47	3774301.23	7978.83416	(14100107)	414634.71	3774254.83	8029.64356	(12071219)
414633.96	3774208.43	9608.53056	(14071306)	414633.20	3774162.03	10316.01365	(15062406)
414632.45	3774115.62	9305.35897	(13051406)	414631.69	3774069.22	9752.36158	(12062406)
414630.94	3774022.82	8942.73145	(14052606)	414630.18	3773976.42	8041.96565	(13062806)
414584.44	3773930.02	6924.01273	(14092407)	414539.46	3773930.02	7828.14365	(14070506)
414494.47	3773930.02	9048.58342	(15060806)	414449.48	3773930.02	9794.51221	(13062606)
414404.50	3773930.02	12114.46705	(14053006)	414359.72	3773977.34	15546.32589	(12101107)
414359.94	3774024.66	25011.39660	(12100807)	414360.15	3774071.98	42058.21241	(15061806)
414360.36	3774119.31	67713.93234	(13071606)	414360.57	3774166.63	51159.47242	(16120908)
414360.79	3774213.95	26038.66540	(15120908)	414361.00	3774261.27	17308.49844	(13032507)
414651.22	3774193.13	8917.20227	(12071406)	414651.22	3774219.08	8805.79038	(14071306)
414651.87	3774247.64	7743.49293	(14071306)	414651.87	3774278.78	7389.60092	(12071219)
414651.87	3774298.90	7533.72248	(14100107)	414652.52	3774320.31	7141.86966	(14100107)
414651.87	3774365.09	5959.86768	(14101807)	414653.17	3774345.62	6177.96092	(14101807)
414649.27	3774056.86	8852.48021	(14061706)	414651.22	3774134.08	8556.31441	(15062406)
414650.57	3774166.52	9440.71300	(13111908)	414647.97	3774014.03	8143.51507	(14052606)
414248.25	3774308.63	10271.83079	(13071806)	414246.95	3774293.71	10817.16685	(13071806)
414246.30	3774277.48	11187.26307	(16120908)	414246.30	3774261.91	12016.19905	(16120908)
414246.95	3774244.39	12306.32390	(16072106)	414245.65	3774234.01	13462.21457	(12061706)

414246.30	3774219.73	14647.24589	(15071806)	414245.65	3774206.11	15040.31880	(15071806)
414245.00	3774187.94	15666.54302	(16093007)	414244.36	3774168.47	15847.90668	(14112908)
414244.36	3774156.14	16083.57646	(14060406)	414244.36	3774136.02	16303.07831	(14060406)
414241.76	3774052.96	13594.90396	(12112008)	414242.41	3774036.74	12879.02614	(12070806)
414243.06	3774017.27	12916.08600	(13062006)	414243.06	3773979.64	10542.93238	(16111608)
414239.81	3773932.92	8563.44858	(15061806)	414239.16	3773893.33	7874.89613	(15061806)
414646.03	3773967.31	7391.19374	(13062806)	414647.97	3773917.34	6621.43206	(14060606)
414646.03	3773895.93	6175.77560	(14053106)	414646.68	3773877.11	5684.63327	(14053106)
414646.68	3773841.42	5155.51361	(14092407)	414644.73	3773799.89	4520.98378	(14092407)
414649.92	3774091.90	9145.34923	(15062506)	414651.87	3774207.40	8904.64620	(12071406)
414647.28	3773769.60	4212.43903	(14070506)	414647.28	3773722.90	4042.12961	(14070506)
414588.50	3773543.39	2788.96477	(15061606)	414530.55	3773519.46	2680.84044	(13062606)
414486.45	3773503.08	2575.96711	(14062906)	414427.23	3773494.26	2563.73946	(14053006)
414356.68	3773470.32	2099.58610	(16050906)	414273.52	3773436.30	2018.62188	(12101107)
414053.04	3773606.39	2628.03875	(15061806)	414834.19	3774266.59	4423.53772	(12071406)

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA5 ***

INCLUDING SOURCE(S): AREA5 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
414016.08	3773637.64	2652.50472	(12100607)	414066.08	3773637.64	3260.69452	(15061806)
414116.08	3773637.64	2856.35994	(15061806)	414166.08	3773637.64	2598.64651	(15071406)
414216.08	3773637.64	3009.65693	(12100807)	414266.08	3773637.64	2993.25850	(12100807)
414316.08	3773637.64	2835.33425	(12101107)	414366.08	3773637.64	2767.10721	(16050906)
414416.08	3773637.64	3091.45710	(14053006)	414466.08	3773637.64	3190.51995	(14062906)
414516.08	3773637.64	3136.75673	(13062606)	414566.08	3773637.64	3788.29752	(15061606)
414616.08	3773637.64	3880.34428	(15060806)	414666.08	3773637.64	3732.53325	(14070506)
414716.08	3773637.64	3145.16373	(13100807)	414766.08	3773637.64	3057.93465	(14092407)
414816.08	3773637.64	2933.25979	(12071806)	414866.08	3773637.64	2728.13922	(14053106)
414916.08	3773637.64	2589.56850	(14060606)	414966.08	3773637.64	2464.61936	(14060606)
415016.08	3773637.64	2173.30977	(13062806)	414016.08	3773687.64	3154.70210	(12070906)
414066.08	3773687.64	3199.42295	(15061806)	414116.08	3773687.64	2986.11713	(15061806)
414166.08	3773687.64	2929.60104	(15061806)	414216.08	3773687.64	3127.62269	(12100807)
414266.08	3773687.64	3222.93586	(12100807)	414316.08	3773687.64	3142.70143	(12101107)
414366.08	3773687.64	3162.01276	(16050906)	414416.08	3773687.64	3603.68860	(14053006)
414466.08	3773687.64	3725.88725	(14062906)	414516.08	3773687.64	3607.97095	(15061606)
414566.08	3773687.64	4098.96504	(13071906)	414616.08	3773687.64	4458.37550	(15060806)
414666.08	3773687.64	3969.90477	(14070506)	414716.08	3773687.64	3566.69921	(14092407)
414766.08	3773687.64	3429.64520	(12071806)	414816.08	3773687.64	3175.97134	(14053106)
414866.08	3773687.64	3031.06022	(14060606)	414916.08	3773687.64	2796.57689	(14060606)
414966.08	3773687.64	2515.39295	(13062806)	415016.08	3773687.64	2335.76606	(13062806)
414016.08	3773737.64	3479.97933	(16111608)	414066.08	3773737.64	3759.01149	(12070906)
414116.08	3773737.64	3185.32456	(15061806)	414166.08	3773737.64	3480.27435	(15061806)
414216.08	3773737.64	3224.45021	(15071406)	414266.08	3773737.64	3731.55996	(12100807)

414316.08	3773737.64	3665.84479	(12101107)	414366.08	3773737.64	3863.54000	(16050906)
414416.08	3773737.64	4280.02913	(14053006)	414466.08	3773737.64	4443.59611	(13062606)
414516.08	3773737.64	4374.72661	(15061606)	414566.08	3773737.64	4620.83352	(15060806)
414616.08	3773737.64	5057.46812	(14070506)	414666.08	3773737.64	4212.31585	(14092407)
414716.08	3773737.64	4067.89772	(12071806)	414766.08	3773737.64	3761.87346	(14053106)
414816.08	3773737.64	3547.05324	(14060606)	414866.08	3773737.64	3165.55161	(14060606)
414916.08	3773737.64	2890.83793	(13062806)	414966.08	3773737.64	2552.93558	(13062806)
415016.08	3773737.64	2322.02713	(13072206)	414016.08	3773787.64	3970.18497	(16111608)
414066.08	3773787.64	4269.42040	(16111608)	414116.08	3773787.64	3804.95826	(12070906)
414166.08	3773787.64	4096.63827	(15061806)	414216.08	3773787.64	4337.41459	(15061806)
414266.08	3773787.64	4759.46238	(12100807)	414316.08	3773787.64	4756.58381	(12100807)
414366.08	3773787.64	4884.37346	(16050906)	414416.08	3773787.64	5435.69269	(14053006)
414466.08	3773787.64	5481.84441	(13062606)	414516.08	3773787.64	5255.46623	(15061606)
414566.08	3773787.64	5155.66177	(14070506)	414616.08	3773787.64	5171.87438	(14070506)
414666.08	3773787.64	4948.86663	(12071806)	414716.08	3773787.64	4545.18064	(14053106)
414766.08	3773787.64	4240.39804	(14060606)	414816.08	3773787.64	3629.20825	(13062806)

*** AERMOD - VERSION 19191 *** *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc *** 05/24/21
*** AERMET - VERSION 16216 *** *** *** 12:11:05

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA5 ***
INCLUDING SOURCE(S): AREA5 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
414866.08	3773787.64	3343.21282	(13062806)	414916.08	3773787.64	2828.82579	(13072206)
414966.08	3773787.64	2742.44503	(13072206)	415016.08	3773787.64	2541.73529	(14052606)
414016.08	3773837.64	4224.03694	(12070806)	414066.08	3773837.64	4930.25343	(13062006)
414116.08	3773837.64	5365.20194	(16111608)	414166.08	3773837.64	5795.04692	(12070906)
414216.08	3773837.64	7084.83867	(15061806)	414266.08	3773837.64	5741.39590	(12100807)
414316.08	3773837.64	6753.69854	(12100807)	414366.08	3773837.64	6765.23628	(16050906)
414416.08	3773837.64	7165.36710	(14053006)	414466.08	3773837.64	6913.85849	(13062606)
414516.08	3773837.64	6424.55047	(15060806)	414566.08	3773837.64	5827.24343	(14070506)
414616.08	3773837.64	6189.52069	(14092407)	414666.08	3773837.64	5660.27469	(14053106)
414716.08	3773837.64	5179.12703	(14060606)	414766.08	3773837.64	4460.23511	(13062806)
414816.08	3773837.64	3787.17393	(13062806)	414866.08	3773837.64	3462.61863	(13072206)
414916.08	3773837.64	3194.02371	(14052606)	414966.08	3773837.64	2963.60717	(14052606)
415016.08	3773837.64	2663.72695	(14061706)	414016.08	3773887.64	4282.71779	(14012908)
414066.08	3773887.64	5022.30426	(12070806)	414116.08	3773887.64	6209.17643	(13062006)
414166.08	3773887.64	7035.21687	(16111608)	414216.08	3773887.64	7525.07146	(12070906)
414266.08	3773887.64	9526.24872	(15061806)	414316.08	3773887.64	10647.29775	(12100807)
414366.08	3773887.64	10753.89379	(16050906)	414416.08	3773887.64	11462.48656	(14053006)
414466.08	3773887.64	10399.98871	(15061606)	414516.08	3773887.64	8344.50898	(14070506)
414566.08	3773887.64	6819.85793	(14092407)	414616.08	3773887.64	7344.74334	(14053106)
414666.08	3773887.64	6476.99448	(14060606)	414716.08	3773887.64	5473.55559	(13062806)
414766.08	3773887.64	4618.47627	(13072206)	414816.08	3773887.64	4212.15777	(14052606)
414866.08	3773887.64	3806.26681	(14052606)	414916.08	3773887.64	3454.63390	(14061706)
414966.08	3773887.64	3210.30573	(14061706)	415016.08	3773887.64	2896.93258	(14061706)

414016.08	3773937.64	4534.77179 (13051906)	414066.08	3773937.64	5466.10109 (14012908)
414116.08	3773937.64	6118.47700 (14012908)	414166.08	3773937.64	7863.02856 (13062006)
414216.08	3773937.64	9584.66775 (16111608)	414266.08	3773937.64	10386.88338 (12070906)
414316.08	3773937.64	12270.30707 (15071406)	414666.08	3773937.64	6649.67802 (13062806)
414716.08	3773937.64	5934.65576 (14052606)	414766.08	3773937.64	5152.10875 (14052606)
414816.08	3773937.64	4682.24298 (14061706)	414866.08	3773937.64	4124.14786 (14061706)
414916.08	3773937.64	3568.89648 (12062406)	414966.08	3773937.64	3212.85306 (12062406)
415016.08	3773937.64	2895.18811 (14070706)	414016.08	3773987.64	4718.71174 (13071606)
414066.08	3773987.64	5447.43057 (16101107)	414116.08	3773987.64	6541.36486 (12112008)
414166.08	3773987.64	8447.86971 (14012908)	414216.08	3773987.64	10229.68026 (12070806)
414266.08	3773987.64	14041.26572 (16111608)	414316.08	3773987.64	16723.67438 (15061806)
414666.08	3773987.64	7822.26594 (14061706)	414716.08	3773987.64	6690.06867 (14061706)
414766.08	3773987.64	5539.78821 (12062406)	414816.08	3773987.64	4720.12433 (14070706)
414866.08	3773987.64	4135.96269 (14070706)	414916.08	3773987.64	3697.72535 (15062506)
414966.08	3773987.64	3320.01744 (15062506)	415016.08	3773987.64	2985.20573 (15062506)
414016.08	3774037.64	5431.05448 (13071606)	414066.08	3774037.64	6561.24954 (13071606)
414116.08	3774037.64	7904.32914 (13071606)	414166.08	3774037.64	9389.22103 (13071606)

*** AERMOD - VERSION 19191 *** *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc *** 05/24/21
*** AERMET - VERSION 16216 *** *** *** 12:11:05

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA5 ***

INCLUDING SOURCE(S): AREA5 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
414216.08	3774037.64	10928.68470 (16101107)	414266.08	3774037.64	15793.87402 (12112008)
414316.08	3774037.64	22302.10196 (13062006)	414666.08	3774037.64	8231.30524 (15062506)
414716.08	3774037.64	6842.35710 (15062506)	414766.08	3774037.64	5693.17934 (15062506)
414816.08	3774037.64	4737.28527 (15062506)	414866.08	3774037.64	3970.76776 (15062506)
414916.08	3774037.64	3380.70264 (13072506)	414966.08	3774037.64	2969.33638 (12051506)
415016.08	3774037.64	2730.83968 (12051506)	414016.08	3774087.64	5167.07927 (15092507)
414066.08	3774087.64	6148.64711 (15092507)	414116.08	3774087.64	7471.29265 (15092507)
414166.08	3774087.64	9387.26294 (15092507)	414216.08	3774087.64	12257.99798 (15092507)
414266.08	3774087.64	16980.94602 (15092507)	414316.08	3774087.64	27266.44325 (15020408)
414666.08	3774087.64	7764.95401 (13051406)	414716.08	3774087.64	6348.81713 (13051406)
414766.08	3774087.64	5322.03191 (13051406)	414816.08	3774087.64	4553.99730 (13051406)
414866.08	3774087.64	3942.47804 (13051406)	414916.08	3774087.64	3451.46518 (13051406)
414966.08	3774087.64	3050.07453 (13051406)	415016.08	3774087.64	2731.07555 (13051406)
414016.08	3774137.64	5535.38317 (14060406)	414066.08	3774137.64	6471.39156 (14060406)
414116.08	3774137.64	7664.20276 (14060106)	414166.08	3774137.64	9569.71957 (16101007)
414216.08	3774137.64	12302.55476 (16101007)	414266.08	3774137.64	16990.52395 (16120508)
414316.08	3774137.64	24910.54315 (15071806)	414666.08	3774137.64	8570.89758 (13111908)
414716.08	3774137.64	6994.93925 (15062406)	414766.08	3774137.64	5920.33582 (15062406)
414816.08	3774137.64	5078.46798 (15062406)	414866.08	3774137.64	4392.73713 (15062406)
414916.08	3774137.64	3851.91749 (15062406)	414966.08	3774137.64	3372.08661 (15062406)
415016.08	3774137.64	3020.75751 (15062406)	414016.08	3774187.64	5214.29354 (14112908)
414066.08	3774187.64	6026.78713 (16120508)	414116.08	3774187.64	7509.65330 (16120508)

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   414166.08  3774187.64   9249.76698 (16093007)      414216.08  3774187.64  11501.88413 (15071806)
   414266.08  3774187.64  14181.83696 (12061706)      414316.08  3774187.64  18567.16443 (13071806)
   414666.08  3774187.64   8025.83403 (14071306)      414716.08  3774187.64   6706.06124 (12071406)
   414766.08  3774187.64   5552.80413 (12071406)      414816.08  3774187.64   4695.43667 (13111908)
   414866.08  3774187.64   4225.38122 (13111908)      414916.08  3774187.64   3818.80717 (13111908)
   414966.08  3774187.64   3428.09284 (13111908)      415016.08  3774187.64   3081.42675 (13111908)
   414016.08  3774237.64   5105.73337 (16093007)      414066.08  3774237.64   6038.25227 (16093007)
   414116.08  3774237.64   7072.91840 (15071806)      414166.08  3774237.64   8413.74787 (12061706)
   414216.08  3774237.64   9364.55281 (16072106)      414266.08  3774237.64  11875.67367 (13071806)
   414316.08  3774237.64  14129.38525 (15120908)      414666.08  3774237.64   6717.48148 (12071219)
   414716.08  3774237.64   5821.14425 (14071306)      414766.08  3774237.64   5417.07314 (14071306)
   414816.08  3774237.64   4704.36053 (14071306)      414866.08  3774237.64   4157.19094 (12071406)
   414916.08  3774237.64   3697.37477 (12071406)      414966.08  3774237.64   3230.15204 (12071406)
   415016.08  3774237.64   2800.73037 (12071406)      414016.08  3774287.64   4895.01176 (15071806)
   414066.08  3774287.64   5637.51431 (12061706)      414116.08  3774287.64   6044.38946 (12061706)
   414166.08  3774287.64   7109.17953 (16120908)      414216.08  3774287.64   8351.75697 (13071806)
   414266.08  3774287.64   9652.15346 (15120908)      414316.08  3774287.64   9684.98404 (13032507)
   414666.08  3774287.64   6733.01695 (14100107)      414716.08  3774287.64   5518.50868 (12071219)
  *** AERMOD - VERSION 19191 ***   *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc
***       05/24/21
 *** AERMET - VERSION 16216 ***   ***                                          ***       12:11:05
                                                                  PAGE 236
 *** MODELOPTs:   RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                  *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP:
AREA5   ***
                    INCLUDING SOURCE(S):    AREA5      ,

                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                         ** CONC OF OTHER    IN MICROGRAMS/M**3                  **

    X-COORD (M)  Y-COORD (M)       CONC     (YYMMDDHH)          X-COORD (M)  Y-COORD (M)       CONC
(YYMMDDHH)
-----------------------------------------------------------------------
   414766.08  3774287.64   4560.64353 (12071219)      414816.08  3774287.64   3924.79872 (14071306)
   414866.08  3774287.64   3887.85905 (14071306)      414916.08  3774287.64   3588.55976 (14071306)
   414966.08  3774287.64   3209.80356 (14071306)      415016.08  3774287.64   2910.26220 (12071406)
   414016.08  3774337.64   4489.41421 (12061706)      414066.08  3774337.64   4678.37240 (16072106)
   414116.08  3774337.64   5629.70671 (16120908)      414166.08  3774337.64   6314.76921 (13071806)
   414216.08  3774337.64   6648.20076 (15120908)      414266.08  3774337.64   7695.39200 (15120908)
   414316.08  3774337.64   8124.61178 (13032507)      414366.08  3774337.64   7641.80652 (12102207)
   414416.08  3774337.64   7370.43445 (12120808)      414466.08  3774337.64   7873.12183 (13070206)
   414516.08  3774337.64   7571.33883 (14070606)      414566.08  3774337.64   7326.74394 (14070606)
   414666.08  3774337.64   5619.12897 (14101807)      414716.08  3774337.64   5207.48173 (14100107)
   414766.08  3774337.64   4703.82697 (14100107)      414816.08  3774337.64   4002.25693 (12071219)
   414866.08  3774337.64   3294.33934 (12071219)      414916.08  3774337.64   2862.98301 (14071306)
   414966.08  3774337.64   2945.88693 (14071306)      415016.08  3774337.64   2827.27333 (14071306)
   414016.08  3774387.64   3958.54258 (16072106)      414066.08  3774387.64   4570.92382 (16120908)
   414116.08  3774387.64   5010.33782 (13071806)      414166.08  3774387.64   5435.13918 (13071806)
   414216.08  3774387.64   6322.56215 (15120908)      414266.08  3774387.64   5667.06023 (13032507)
   414316.08  3774387.64   6325.19805 (13032507)      414366.08  3774387.64   6046.47035 (12120808)
   414416.08  3774387.64   6042.97418 (12120808)      414466.08  3774387.64   6519.43969 (12072006)
   414516.08  3774387.64   6430.96454 (13070206)      414566.08  3774387.64   6576.35142 (14070606)
   414616.08  3774387.64   5407.09495 (12052206)      414666.08  3774387.64   5376.36360 (12052206)
   414716.08  3774387.64   4541.75245 (14101807)      414766.08  3774387.64   4098.69456 (14100107)
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414816.08	3774387.64	3991.47497	(14100107)	414866.08	3774387.64	3418.98312	(14100107)
414916.08	3774387.64	3060.38829	(12071219)	414966.08	3774387.64	2577.11937	(12071219)
415016.08	3774387.64	2224.89582	(14071306)	414016.08	3774437.64	3811.35550	(16120908)
414066.08	3774437.64	4097.34440	(13071806)	414116.08	3774437.64	4518.96940	(13071806)
414166.08	3774437.64	5030.99247	(15120908)	414216.08	3774437.64	4909.67539	(15120908)
414266.08	3774437.64	5315.37822	(13032507)	414316.08	3774437.64	4964.08312	(12102207)
414366.08	3774437.64	5204.29195	(12120808)	414416.08	3774437.64	5016.67220	(12120808)
414466.08	3774437.64	5435.33331	(12072006)	414516.08	3774437.64	5440.90970	(13070206)
414566.08	3774437.64	4943.04331	(14070606)	414616.08	3774437.64	5258.74172	(14070606)
414666.08	3774437.64	4592.58474	(12052206)	414716.08	3774437.64	4340.00198	(12052206)
414766.08	3774437.64	3756.91635	(14101807)	414816.08	3774437.64	3288.59529	(14101807)
414866.08	3774437.64	3377.33553	(14100107)	414916.08	3774437.64	3066.64774	(14100107)
414966.08	3774437.64	2716.09354	(12071219)	415016.08	3774437.64	2434.77409	(12071219)
414016.08	3774487.64	3420.53126	(13071806)	414066.08	3774487.64	3849.54576	(13071806)
414116.08	3774487.64	3984.04006	(15120908)	414166.08	3774487.64	4397.18928	(15120908)
414216.08	3774487.64	3802.48672	(13032507)	414266.08	3774487.64	4617.98974	(13032507)
414316.08	3774487.64	4370.29785	(12102207)	414366.08	3774487.64	4486.74403	(12120808)
414416.08	3774487.64	4281.03786	(12120808)	414466.08	3774487.64	4528.00829	(12072006)
414516.08	3774487.64	4438.03874	(13070206)	414566.08	3774487.64	4283.99946	(13070206)

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA5 ***
INCLUDING SOURCE(S): AREA5 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
414616.08	3774487.64	4551.01840	(14070606)	414666.08	3774487.64	4106.76032	(14070606)
414716.08	3774487.64	3908.37700	(12052206)	414766.08	3774487.64	3628.30828	(12052206)
414816.08	3774487.64	3186.66799	(14101807)	414866.08	3774487.64	2879.97406	(14101807)
414916.08	3774487.64	2860.86989	(14100107)	414966.08	3774487.64	2733.77117	(14100107)
415016.08	3774487.64	2401.40826	(14100107)	414016.08	3774537.64	3290.92830	(13071806)
414066.08	3774537.64	3129.73821	(15120908)	414116.08	3774537.64	3805.41704	(15120908)
414166.08	3774537.64	3466.65829	(15120908)	414216.08	3774537.64	3733.28939	(13032507)
414266.08	3774537.64	3852.54757	(13032507)	414316.08	3774537.64	3821.72344	(12102207)
414366.08	3774537.64	3938.17439	(12120808)	414416.08	3774537.64	3729.69093	(12120808)
414466.08	3774537.64	3819.81675	(12072006)	414516.08	3774537.64	3796.98088	(12072006)
414566.08	3774537.64	3919.14645	(13070206)	414616.08	3774537.64	3567.97808	(14070606)
414666.08	3774537.64	3936.28518	(14070606)	414716.08	3774537.64	3184.60173	(14070606)
414766.08	3774537.64	3411.67591	(12052206)	414816.08	3774537.64	3071.44866	(12052206)
414866.08	3774537.64	2755.29313	(14101807)	414916.08	3774537.64	2554.75763	(14101807)
414966.08	3774537.64	2437.13498	(14100107)	415016.08	3774537.64	2420.47414	(14100107)
414016.08	3774587.64	2739.48312	(13071806)	414066.08	3774587.64	3237.44017	(15120908)
414116.08	3774587.64	3267.47678	(15120908)	414166.08	3774587.64	2703.02357	(13032507)
414216.08	3774587.64	3473.59127	(13032507)	414266.08	3774587.64	3129.02704	(13032507)
414316.08	3774587.64	3345.59748	(12102207)	414366.08	3774587.64	3477.38109	(12120808)
414416.08	3774587.64	3285.08271	(12120808)	414466.08	3774587.64	3213.30708	(12072006)

414516.08	3774587.64	3461.20734	(12072006)	414566.08	3774587.64	3451.96287	(13070206)
414616.08	3774587.64	3081.42727	(13070206)	414666.08	3774587.64	3392.29134	(14070606)
414716.08	3774587.64	3282.07613	(14070606)	414766.08	3774587.64	2736.13540	(12052206)
414816.08	3774587.64	2966.81170	(12052206)	414866.08	3774587.64	2642.07924	(12052206)
414916.08	3774587.64	2395.39684	(14101807)	414966.08	3774587.64	2270.27741	(14101807)
415016.08	3774587.64	2075.72355	(14100107)	414016.08	3774637.64	2701.14800	(15120908)
414066.08	3774637.64	2973.48331	(15120908)	414116.08	3774637.64	2559.74619	(15120908)
414166.08	3774637.64	2765.80508	(13032507)	414216.08	3774637.64	3102.90115	(13032507)
414266.08	3774637.64	2783.93090	(12102207)	414316.08	3774637.64	2914.75322	(12102207)
414366.08	3774637.64	3127.60026	(12120808)	414416.08	3774637.64	2924.01280	(12120808)
414466.08	3774637.64	2723.85428	(12072006)	414516.08	3774637.64	3114.25516	(12072006)
414566.08	3774637.64	2948.69156	(13070206)	414616.08	3774637.64	2954.75863	(13070206)
414666.08	3774637.64	2686.22944	(14070606)	414716.08	3774637.64	3082.48309	(14070606)
414766.08	3774637.64	2713.78384	(14070606)	414816.08	3774637.64	2504.17214	(12052206)
414866.08	3774637.64	2610.45086	(12052206)	414916.08	3774637.64	2330.82898	(12052206)
414966.08	3774637.64	2104.69898	(14101807)	415016.08	3774637.64	2037.18188	(14101807)
414361.21	3774308.59	8991.00805	(12102207)	414586.99	3774306.89	8066.31768	(12052206)
414586.99	3774347.63	6493.01529	(12052206)	414636.22	3774347.63	6191.01050	(12052206)
414629.43	3773930.02	7826.87010	(13062806)	414359.51	3773930.02	13754.69173	(12101107)
414406.37	3774308.25	9179.31711	(12120808)	414451.52	3774307.91	9289.06660	(12072006)

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA5 ***

INCLUDING SOURCE(S): AREA5 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
414496.68	3774307.57	8660.82700	(13070206)	414541.83	3774307.23	8786.63690	(14070606)
414635.47	3774301.23	6620.19173	(14101807)	414634.71	3774254.83	7968.58556	(14100107)
414633.96	3774208.43	7785.52956	(14071306)	414633.20	3774162.03	9517.55281	(12071406)
414632.45	3774115.62	10026.82777	(15062406)	414631.69	3774069.22	9348.07547	(15062506)
414630.94	3774022.82	9633.83569	(14061706)	414630.18	3773976.42	8460.52449	(14052606)
414584.44	3773930.02	9122.04830	(14060606)	414539.46	3773930.02	9043.25687	(14092407)
414494.47	3773930.02	12694.39398	(14070506)	414449.48	3773930.02	14065.74037	(15061606)
414404.50	3773930.02	14660.11610	(14053006)	414359.72	3773977.34	19617.64610	(12100807)
414359.94	3774024.66	32760.50064	(15061806)	414360.15	3774071.98	57646.53383	(13062006)
414360.36	3774119.31	64412.08714	(15071806)	414360.57	3774166.63	29982.13672	(15120908)
414360.79	3774213.95	16971.47501	(13032507)	414361.00	3774261.27	11343.84286	(12102207)
414651.22	3774193.13	8452.72772	(14071306)	414651.22	3774219.08	6958.94297	(14071306)
414651.87	3774247.64	7230.02439	(12071219)	414651.87	3774278.78	7174.63747	(14100107)
414651.87	3774298.90	6442.81649	(14100107)	414652.52	3774320.31	6065.37950	(14101807)
414651.87	3774365.09	5730.04553	(12052206)	414653.17	3774345.62	5538.55285	(14101807)
414649.27	3774056.86	9007.86127	(15062506)	414651.22	3774134.08	9163.64837	(13111908)
414650.57	3774166.52	8785.12883	(12071406)	414647.97	3774014.03	8931.59575	(14061706)
414248.25	3774308.63	8443.58243	(15120908)	414246.95	3774293.71	8583.50150	(13071806)
414246.30	3774277.48	9603.70125	(13071806)	414246.30	3774261.91	10178.88183	(13071806)

414246.95	3774244.39	10414.20359	(16120908)	414245.65	3774234.01	11061.30373	(16120908)
414246.30	3774219.73	11403.14798	(16120908)	414245.65	3774206.11	11574.65025	(12061706)
414245.00	3774187.94	13386.05351	(12061706)	414244.36	3774168.47	13819.85514	(16093007)
414244.36	3774156.14	14458.86995	(16093007)	414244.36	3774136.02	14617.93992	(14112908)
414241.76	3774052.96	14088.60262	(13071606)	414242.41	3774036.74	13143.47116	(12112008)
414243.06	3774017.27	13024.86549	(14012908)	414243.06	3773979.64	12396.33866	(13062006)
414239.81	3773932.92	9737.79211	(12070906)	414239.16	3773893.33	8472.41689	(15061806)
414646.03	3773967.31	7785.70505	(14052606)	414647.97	3773917.34	7145.72662	(13062806)
414646.03	3773895.93	7062.26100	(14060606)	414646.68	3773877.11	6654.16605	(14060606)
414646.68	3773841.42	5853.98863	(12071806)	414644.73	3773799.89	5251.16282	(14092407)
414649.92	3774091.90	8324.86113	(13051406)	414651.87	3774207.40	7818.23639	(14071306)
414647.28	3773769.60	4756.24096	(14092407)	414647.28	3773722.90	4408.21314	(14070506)
414588.50	3773543.39	3277.65708	(15061606)	414530.55	3773519.46	3162.84454	(13062606)
414486.45	3773503.08	3059.94671	(14062906)	414427.23	3773494.26	3050.06906	(14053006)
414356.68	3773470.32	2496.32331	(12100407)	414273.52	3773436.30	2419.94985	(12101107)
414053.04	3773606.39	3084.51177	(15061806)	414834.19	3774266.59	4372.97425	(14071306)

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA6 ***

INCLUDING SOURCE(S): AREA6 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
414016.08	3773637.64	3068.07156	(12070906)	414066.08	3773637.64	3294.64008	(15061806)
414116.08	3773637.64	3335.87714	(15061806)	414166.08	3773637.64	2921.77189	(15061806)
414216.08	3773637.64	3269.13514	(12100807)	414266.08	3773637.64	3389.46218	(12100807)
414316.08	3773637.64	3170.87487	(12101107)	414366.08	3773637.64	3092.65394	(16050906)
414416.08	3773637.64	3462.91548	(14053006)	414466.08	3773637.64	3552.92409	(14062906)
414516.08	3773637.64	3452.49815	(13062606)	414566.08	3773637.64	4242.01339	(13071906)
414616.08	3773637.64	4335.76107	(15060806)	414666.08	3773637.64	3951.91888	(14070506)
414716.08	3773637.64	3408.75926	(14092407)	414766.08	3773637.64	3345.91779	(12071806)
414816.08	3773637.64	3026.92084	(12071806)	414866.08	3773637.64	2936.76248	(14053106)
414916.08	3773637.64	2805.47898	(14060606)	414966.08	3773637.64	2438.21362	(13062806)
415016.08	3773637.64	2340.74056	(13062806)	414016.08	3773687.64	3376.74129	(12070906)
414066.08	3773687.64	3607.15344	(12070906)	414116.08	3773687.64	3143.42092	(15061806)
414166.08	3773687.64	3366.91610	(15061806)	414216.08	3773687.64	3391.16353	(12100807)
414266.08	3773687.64	3677.21907	(12100807)	414316.08	3773687.64	3548.06178	(12101107)
414366.08	3773687.64	3637.61380	(16050906)	414416.08	3773687.64	4093.29899	(14053006)
414466.08	3773687.64	4207.18845	(14062906)	414516.08	3773687.64	4131.22309	(15061606)
414566.08	3773687.64	4684.58573	(15060806)	414616.08	3773687.64	4896.26061	(14070506)
414666.08	3773687.64	4048.10689	(13100807)	414716.08	3773687.64	3887.79759	(12071806)
414766.08	3773687.64	3563.92728	(12071806)	414816.08	3773687.64	3403.92648	(14060606)
414866.08	3773687.64	3206.43863	(14060606)	414916.08	3773687.64	2852.91562	(13062806)
414966.08	3773687.64	2628.96172	(13062806)	415016.08	3773687.64	2228.72300	(13062806)
414016.08	3773737.64	3950.22822	(16111608)	414066.08	3773737.64	4045.62754	(12070906)
414116.08	3773737.64	3287.78550	(12070906)	414166.08	3773737.64	3825.38799	(15061806)

414216.08	3773737.64	3743.85922	(15061806)	414266.08	3773737.64	4205.00449	(12100807)
414316.08	3773737.64	4172.39966	(12101107)	414366.08	3773737.64	4450.91453	(16050906)
414416.08	3773737.64	4949.40502	(14053006)	414466.08	3773737.64	5133.07204	(13062606)
414516.08	3773737.64	4973.77133	(15061606)	414566.08	3773737.64	5517.60331	(15060806)
414616.08	3773737.64	5232.75588	(14070506)	414666.08	3773737.64	4711.47517	(14092407)
414716.08	3773737.64	4269.06826	(12071806)	414766.08	3773737.64	4099.64462	(14060606)
414816.08	3773737.64	3670.99136	(14060606)	414866.08	3773737.64	3324.95655	(13062806)
414916.08	3773737.64	2878.20088	(13062806)	414966.08	3773737.64	2645.60108	(13072206)
415016.08	3773737.64	2509.10920	(13072206)	414016.08	3773787.64	4285.12273	(13062006)
414066.08	3773787.64	4786.18317	(16111608)	414116.08	3773787.64	4501.00133	(16111608)
414166.08	3773787.64	4254.82743	(15061806)	414216.08	3773787.64	5044.50547	(15061806)
414266.08	3773787.64	5245.48978	(12100807)	414316.08	3773787.64	5745.53269	(12100807)
414366.08	3773787.64	5794.03915	(16050906)	414416.08	3773787.64	6452.14302	(14053006)
414466.08	3773787.64	6433.19388	(13062606)	414516.08	3773787.64	5936.87544	(13071906)
414566.08	3773787.64	6250.05942	(14070506)	414616.08	3773787.64	5904.07088	(14092407)
414666.08	3773787.64	5299.08057	(12071806)	414716.08	3773787.64	5004.84735	(14060606)
414766.08	3773787.64	4270.41254	(14060606)	414816.08	3773787.64	3872.48256	(13062806)

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA6 ***

INCLUDING SOURCE(S): AREA6 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
414866.08	3773787.64	3325.02751	(13072206)	414916.08	3773787.64	3136.35162	(13072206)
414966.08	3773787.64	2937.63392	(14052606)	415016.08	3773787.64	2688.69115	(14052606)
414016.08	3773837.64	4015.93466	(14092207)	414066.08	3773837.64	5078.47060	(12070806)
414116.08	3773837.64	5975.48653	(13062006)	414166.08	3773837.64	6410.27184	(16111608)
414216.08	3773837.64	6899.30719	(15061806)	414266.08	3773837.64	7512.39801	(15061806)
414316.08	3773837.64	8218.67555	(12100807)	414366.08	3773837.64	8235.53164	(16050906)
414416.08	3773837.64	8791.08225	(14053006)	414466.08	3773837.64	8461.40362	(15061606)
414516.08	3773837.64	7682.61414	(15060806)	414566.08	3773837.64	6471.61239	(14092407)
414616.08	3773837.64	6832.13384	(12071806)	414666.08	3773837.64	6283.18185	(14060606)
414716.08	3773837.64	5350.41305	(13062806)	414766.08	3773837.64	4465.83771	(13062806)
414816.08	3773837.64	4083.18256	(13072206)	414866.08	3773837.64	3761.81135	(14052606)
414916.08	3773837.64	3367.47733	(14052606)	414966.08	3773837.64	3118.86813	(14061706)
415016.08	3773837.64	2906.07636	(14061706)	414016.08	3773887.64	4627.34127	(14012908)
414066.08	3773887.64	5318.38870	(14012908)	414116.08	3773887.64	6088.30997	(12070806)
414166.08	3773887.64	7753.85815	(13062006)	414216.08	3773887.64	8609.11580	(16111608)
414266.08	3773887.64	10286.97578	(15061806)	414316.08	3773887.64	11538.37718	(15071406)
414366.08	3773887.64	12675.60815	(12101107)	414416.08	3773887.64	14475.80688	(14053006)
414466.08	3773887.64	13442.18713	(15061606)	414516.08	3773887.64	9881.02312	(14070506)
414566.08	3773887.64	7813.07225	(14053106)	414616.08	3773887.64	8147.19491	(14060606)
414666.08	3773887.64	6728.40823	(13062806)	414716.08	3773887.64	5645.99850	(13072206)
414766.08	3773887.64	5083.22786	(14052606)	414816.08	3773887.64	4406.22862	(14061706)
414866.08	3773887.64	4103.62162	(14061706)	414916.08	3773887.64	3641.55613	(14061706)

414966.08	3773887.64	3223.03414 (12062406)	415016.08	3773887.64	2902.61000 (12062406)
414016.08	3773937.64	4606.80892 (16101107)	414066.08	3773937.64	5263.71191 (13051906)
414116.08	3773937.64	6661.62312 (12112008)	414166.08	3773937.64	7980.42251 (14012908)
414216.08	3773937.64	10147.57452 (13062006)	414266.08	3773937.64	12582.75070 (16111608)
414316.08	3773937.64	16065.21358 (15061806)	414666.08	3773937.64	7449.71105 (14052606)
414716.08	3773937.64	6464.49833 (14061706)	414766.08	3773937.64	5553.81895 (14061706)
414816.08	3773937.64	4729.21147 (12062406)	414866.08	3773937.64	4088.82798 (14070706)
414916.08	3773937.64	3639.97513 (14070706)	414966.08	3773937.64	3289.98805 (15062506)
415016.08	3773937.64	3001.59701 (15062506)	414016.08	3773987.64	5518.54592 (13071606)
414066.08	3773987.64	6422.42670 (13071606)	414116.08	3773987.64	7294.76504 (13071606)
414166.08	3773987.64	8278.03959 (16101107)	414216.08	3773987.64	10864.47098 (12112008)
414266.08	3773987.64	14289.55904 (14092207)	414316.08	3773987.64	20175.55612 (16111608)
414666.08	3773987.64	8028.44479 (12062406)	414716.08	3773987.64	6612.48412 (14070706)
414766.08	3773987.64	5673.66810 (15062506)	414816.08	3773987.64	4883.85557 (15062506)
414866.08	3773987.64	4184.87227 (15062506)	414916.08	3773987.64	3598.20560 (15062506)
414966.08	3773987.64	3098.05004 (15062506)	415016.08	3773987.64	2727.44634 (13072506)
414016.08	3774037.64	4995.40159 (15092507)	414066.08	3774037.64	5899.96724 (15071306)
414116.08	3774037.64	7208.29174 (15020408)	414166.08	3774037.64	9235.80464 (15020408)

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA6 ***

INCLUDING SOURCE(S): AREA6 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
414216.08	3774037.64	12246.85223 (15020408)	414266.08	3774037.64	17412.67754 (13071606)
414316.08	3774037.64	25333.14701 (13071606)	414666.08	3774037.64	7547.19121 (12051506)
414716.08	3774037.64	6262.43691 (13051406)	414766.08	3774037.64	5300.00591 (13051406)
414816.08	3774037.64	4570.78515 (13051406)	414866.08	3774037.64	3987.68806 (13051406)
414916.08	3774037.64	3523.67029 (13051406)	414966.08	3774037.64	3147.26053 (13051406)
415016.08	3774037.64	2835.26838 (13051406)	414016.08	3774087.64	5525.32338 (14060406)
414066.08	3774087.64	6545.52086 (14060406)	414116.08	3774087.64	7871.91005 (14060406)
414166.08	3774087.64	9709.42081 (14060406)	414216.08	3774087.64	12187.43019 (14060406)
414266.08	3774087.64	16689.17123 (16101007)	414316.08	3774087.64	26487.54923 (16120508)
414666.08	3774087.64	8445.40793 (15062406)	414716.08	3774087.64	6930.81800 (15062406)
414766.08	3774087.64	5776.95549 (15062406)	414816.08	3774087.64	4885.23722 (15062406)
414866.08	3774087.64	4190.28252 (15062406)	414916.08	3774087.64	3664.84584 (15062406)
414966.08	3774087.64	3181.99453 (15062406)	415016.08	3774087.64	2844.09080 (15062406)
414016.08	3774137.64	5322.75918 (16101007)	414066.08	3774137.64	6165.54429 (16101007)
414116.08	3774137.64	7272.61769 (14112908)	414166.08	3774137.64	9161.04094 (16120508)
414216.08	3774137.64	11616.47193 (16093007)	414266.08	3774137.64	15172.68214 (15071806)
414316.08	3774137.64	19099.96169 (16120908)	414666.08	3774137.64	8031.20401 (12071406)
414716.08	3774137.64	6487.56408 (12071406)	414766.08	3774137.64	5555.01825 (13111908)
414816.08	3774137.64	4948.33734 (13111908)	414866.08	3774137.64	4358.79056 (13111908)
414916.08	3774137.64	3846.45480 (13111908)	414966.08	3774137.64	3409.57837 (13111908)
415016.08	3774137.64	3091.25611 (15062406)	414016.08	3774187.64	5190.81126 (16120508)

414066.08	3774187.64	6046.00744	(16093007)	414116.08	3774187.64	7089.46456	(16093007)
414166.08	3774187.64	8575.81383	(15071806)	414216.08	3774187.64	9602.46604	(12061706)
414266.08	3774187.64	11954.30590	(16120908)	414316.08	3774187.64	14632.79743	(15120908)
414666.08	3774187.64	6576.20688	(14071306)	414716.08	3774187.64	6317.70285	(14071306)
414766.08	3774187.64	5464.61643	(14071306)	414816.08	3774187.64	4754.16148	(12071406)
414866.08	3774187.64	4179.92487	(12071406)	414916.08	3774187.64	3605.91943	(12071406)
414966.08	3774187.64	3063.29606	(13111908)	415016.08	3774187.64	2905.47346	(13111908)
414016.08	3774237.64	4830.61041	(16093007)	414066.08	3774237.64	5751.39145	(15071806)
414116.08	3774237.64	6548.03346	(12061706)	414166.08	3774237.64	7075.47033	(16072106)
414216.08	3774237.64	8321.22190	(16120908)	414266.08	3774237.64	9382.57495	(15120908)
414316.08	3774237.64	9426.58961	(15120908)	414666.08	3774237.64	6783.70708	(14100107)
414716.08	3774237.64	5493.35911	(12071219)	414766.08	3774237.64	4262.21979	(14071306)
414816.08	3774237.64	4318.81004	(14071306)	414866.08	3774237.64	4048.81380	(14071306)
414916.08	3774237.64	3596.05754	(14071306)	414966.08	3774237.64	3240.47452	(12071406)
415016.08	3774237.64	2964.55727	(12071406)	414016.08	3774287.64	4691.24168	(12061706)
414066.08	3774287.64	4808.26986	(12061706)	414116.08	3774287.64	5565.89220	(16120908)
414166.08	3774287.64	6278.33286	(16120908)	414216.08	3774287.64	7250.07168	(13071806)
414266.08	3774287.64	8251.89923	(15120908)	414316.08	3774287.64	8465.01242	(13032507)
414666.08	3774287.64	5671.11053	(14101807)	414716.08	3774287.64	5445.49465	(14100107)

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA6 ***
INCLUDING SOURCE(S): AREA6 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
414766.08	3774287.64	4571.59573	(12071219)	414816.08	3774287.64	3923.72470	(12071219)
414866.08	3774287.64	3079.47881	(12071219)	414916.08	3774287.64	3153.71574	(14071306)
414966.08	3774287.64	3079.62600	(14071306)	415016.08	3774287.64	2881.61871	(14071306)
414016.08	3774337.64	3941.40829	(16072106)	414066.08	3774337.64	4631.01465	(16120908)
414116.08	3774337.64	4932.66839	(16120908)	414166.08	3774337.64	5816.29271	(13071806)
414216.08	3774337.64	6479.25605	(15120908)	414266.08	3774337.64	5543.08060	(15120908)
414316.08	3774337.64	6693.23330	(13032507)	414366.08	3774337.64	6279.83147	(12102207)
414416.08	3774337.64	6232.65194	(12120808)	414466.08	3774337.64	6757.04731	(12072006)
414516.08	3774337.64	6540.53015	(13070206)	414566.08	3774337.64	6815.47296	(14070606)
414666.08	3774337.64	5243.98745	(12052206)	414716.08	3774337.64	4617.08420	(14101807)
414766.08	3774337.64	4362.82055	(14100107)	414816.08	3774337.64	4003.75196	(14100107)
414866.08	3774337.64	3474.92670	(12071219)	414916.08	3774337.64	2988.09396	(12071219)
414966.08	3774337.64	2352.13972	(12071219)	415016.08	3774337.64	2405.11601	(14071306)
414016.08	3774387.64	3886.29301	(16120908)	414066.08	3774387.64	4032.90012	(16120908)
414116.08	3774387.64	4749.40211	(13071806)	414166.08	3774387.64	4982.10604	(15120908)
414216.08	3774387.64	5320.63625	(15120908)	414266.08	3774387.64	5380.16124	(13032507)
414316.08	3774387.64	5062.79037	(12102207)	414366.08	3774387.64	5342.54162	(12120808)
414416.08	3774387.64	5224.76450	(12120808)	414466.08	3774387.64	5671.37767	(12072006)
414516.08	3774387.64	5674.81189	(13070206)	414566.08	3774387.64	5350.83788	(14070606)
414616.08	3774387.64	5241.53668	(14070606)	414666.08	3774387.64	4864.71600	(12052206)

414716.08	3774387.64	4280.69304	(12052206)	414766.08	3774387.64	3854.20656	(14101807)
414816.08	3774387.64	3571.58248	(14100107)	414866.08	3774387.64	3460.41184	(14100107)
414916.08	3774387.64	3001.26180	(14100107)	414966.08	3774387.64	2739.54274	(12071219)
415016.08	3774387.64	2347.70172	(12071219)	414016.08	3774437.64	3349.78640	(16120908)
414066.08	3774437.64	3970.62167	(13071806)	414116.08	3774437.64	3871.39401	(15120908)
414166.08	3774437.64	4614.96223	(15120908)	414216.08	3774437.64	3753.17421	(15120908)
414266.08	3774437.64	4792.66027	(13032507)	414316.08	3774437.64	4519.26378	(12102207)
414366.08	3774437.64	4611.44474	(12120808)	414416.08	3774437.64	4421.33298	(12120808)
414466.08	3774437.64	4725.39104	(12072006)	414516.08	3774437.64	4689.89538	(13070206)
414566.08	3774437.64	4327.17761	(13070206)	414616.08	3774437.64	4775.54121	(14070606)
414666.08	3774437.64	3958.62858	(14070606)	414716.08	3774437.64	4103.39773	(12052206)
414766.08	3774437.64	3527.27727	(12052206)	414816.08	3774437.64	3272.26768	(14101807)
414866.08	3774437.64	2897.39455	(14100107)	414916.08	3774437.64	2975.74606	(14100107)
414966.08	3774437.64	2736.71749	(14100107)	415016.08	3774437.64	2439.20359	(12071219)
414016.08	3774487.64	3384.07490	(13071806)	414066.08	3774487.64	3290.26776	(13071806)
414116.08	3774487.64	3895.13209	(15120908)	414166.08	3774487.64	3712.45928	(15120908)
414216.08	3774487.64	3759.30888	(13032507)	414266.08	3774487.64	4065.38428	(13032507)
414316.08	3774487.64	3957.92043	(12102207)	414366.08	3774487.64	4061.44127	(12120808)
414416.08	3774487.64	3824.14437	(12120808)	414466.08	3774487.64	3963.19122	(12072006)
414516.08	3774487.64	3850.50124	(12072006)	414566.08	3774487.64	4016.93324	(13070206)

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA6 ***

INCLUDING SOURCE(S): AREA6 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
414616.08	3774487.64	3823.17959	(14070606)	414666.08	3774487.64	4001.58634	(14070606)
414716.08	3774487.64	3235.26275	(12052206)	414766.08	3774487.64	3508.04840	(12052206)
414816.08	3774487.64	2966.31992	(12052206)	414866.08	3774487.64	2832.00727	(14101807)
414916.08	3774487.64	2505.36012	(14101807)	414966.08	3774487.64	2556.87960	(14100107)
415016.08	3774487.64	2457.69604	(14100107)	414016.08	3774537.64	2938.67136	(13071806)
414066.08	3774537.64	3242.50215	(15120908)	414116.08	3774537.64	3441.65363	(15120908)
414166.08	3774537.64	2782.93074	(13051224)	414216.08	3774537.64	3557.95676	(13032507)
414266.08	3774537.64	3338.45183	(13032507)	414316.08	3774537.64	3469.13780	(12102207)
414366.08	3774537.64	3571.01191	(12120808)	414416.08	3774537.64	3371.75758	(12120808)
414466.08	3774537.64	3333.46821	(12072006)	414516.08	3774537.64	3545.35581	(12072006)
414566.08	3774537.64	3574.29336	(13070206)	414616.08	3774537.64	3095.19066	(13070206)
414666.08	3774537.64	3545.93221	(14070606)	414716.08	3774537.64	3260.42415	(14070606)
414766.08	3774537.64	2929.26448	(12052206)	414816.08	3774537.64	3026.63694	(12052206)
414866.08	3774537.64	2576.46633	(12052206)	414916.08	3774537.64	2480.89796	(14101807)
414966.08	3774537.64	2260.16744	(14101807)	415016.08	3774537.64	2214.03911	(14100107)
414016.08	3774587.64	2655.79032	(15120908)	414066.08	3774587.64	3067.81737	(15120908)
414116.08	3774587.64	2783.23249	(15120908)	414166.08	3774587.64	2784.27416	(13032507)
414216.08	3774587.64	3219.15213	(13032507)	414266.08	3774587.64	2867.19132	(12102207)
414316.08	3774587.64	3036.77705	(12102207)	414366.08	3774587.64	3210.02797	(12120808)

414416.08	3774587.64	2997.82369	(12120808)	414466.08	3774587.64	2828.91134	(12072006)
414516.08	3774587.64	3205.81169	(12072006)	414566.08	3774587.64	3100.86131	(13070206)
414616.08	3774587.64	2991.46600	(13070206)	414666.08	3774587.64	2870.40910	(14070606)
414716.08	3774587.64	3154.70964	(14070606)	414766.08	3774587.64	2650.41398	(14070606)
414816.08	3774587.64	2663.45109	(12052206)	414866.08	3774587.64	2657.12645	(12052206)
414916.08	3774587.64	2266.71380	(12052206)	414966.08	3774587.64	2190.85439	(14101807)
415016.08	3774587.64	2031.06549	(14101807)	414016.08	3774637.64	2681.98040	(15120908)
414066.08	3774637.64	2668.11437	(15120908)	414116.08	3774637.64	2202.06297	(13051224)
414166.08	3774637.64	2731.65538	(13032507)	414216.08	3774637.64	2826.89546	(13032507)
414266.08	3774637.64	2649.91334	(12102207)	414316.08	3774637.64	2666.91891	(12102207)
414366.08	3774637.64	2904.59622	(12120808)	414416.08	3774637.64	2688.59485	(12120808)
414466.08	3774637.64	2505.46574	(16072301)	414516.08	3774637.64	2881.80124	(12072006)
414566.08	3774637.64	2643.64214	(12061406)	414616.08	3774637.64	2791.53891	(13070206)
414666.08	3774637.64	2339.88040	(16101307)	414716.08	3774637.64	2782.67782	(14070606)
414766.08	3774637.64	2726.08810	(14070606)	414816.08	3774637.64	2139.39821	(14070606)
414866.08	3774637.64	2409.26443	(12052206)	414916.08	3774637.64	2341.70595	(12052206)
414966.08	3774637.64	1987.25464	(12052206)	415016.08	3774637.64	1962.28325	(14101807)
414361.21	3774308.59	7387.84528	(12102207)	414586.99	3774306.89	6685.91561	(12052206)
414586.99	3774347.63	6195.49293	(14070606)	414636.22	3774347.63	5711.04613	(12052206)
414629.43	3773930.02	8022.18526	(13072206)	414359.51	3773930.02	16935.55394	(12100807)
414406.37	3774308.25	7568.27808	(12120808)	414451.52	3774307.91	7767.75675	(12072006)

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA6 ***

INCLUDING SOURCE(S): AREA6 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
414496.68	3774307.57	7744.99681	(13070206)	414541.83	3774307.23	7837.84417	(14070606)
414635.47	3774301.23	6077.98039	(12052206)	414634.71	3774254.83	6561.65748	(14100107)
414633.96	3774208.43	7759.20093	(14100107)	414633.20	3774162.03	8479.24627	(14071306)
414632.45	3774115.62	9107.43020	(12071406)	414631.69	3774069.22	9207.11075	(15062406)
414630.94	3774022.82	9634.80267	(15062506)	414630.18	3773976.42	9469.73052	(14061706)
414584.44	3773930.02	10402.53741	(13062806)	414539.46	3773930.02	11249.42107	(14053106)
414494.47	3773930.02	15462.90359	(14070506)	414449.48	3773930.02	19339.54490	(15061606)
414404.50	3773930.02	18005.65908	(14053006)	414359.72	3773977.34	24596.75405	(12100807)
414359.94	3774024.66	48606.34371	(16111608)	414360.15	3774071.98	79250.62027	(12033117)
414360.36	3774119.31	36027.31116	(15120908)	414360.57	3774166.63	18489.62800	(13032507)
414360.79	3774213.95	11791.19354	(13032507)	414361.00	3774261.27	9204.19438	(12102207)
414651.22	3774193.13	7034.09036	(12071219)	414651.22	3774219.08	7152.25221	(14100107)
414651.87	3774247.64	6962.21622	(14100107)	414651.87	3774278.78	6050.14143	(14101807)
414651.87	3774298.90	5776.35589	(14101807)	414652.52	3774320.31	5609.93149	(12052206)
414651.87	3774365.09	5322.30174	(12052206)	414653.17	3774345.62	5584.00489	(12052206)
414649.27	3774056.86	8192.62023	(13051406)	414651.22	3774134.08	8565.72238	(12071406)
414650.57	3774166.52	7975.55099	(14071306)	414647.97	3774014.03	8923.86891	(15062506)
414248.25	3774308.63	7536.07262	(15120908)	414246.95	3774293.71	7941.43207	(15120908)

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    414246.30  3774277.48   8126.81233  (15120908)      414246.30  3774261.91   8128.51459  (13071806)
    414246.95  3774244.39   9262.48394  (13071806)      414245.65  3774234.01   9694.94661  (13071806)
    414246.30  3774219.73   9979.95273  (13071806)      414245.65  3774206.11  10389.17553  (16120908)
    414245.00  3774187.94  10997.09675  (16120908)      414244.36  3774168.47  11591.22944  (12061706)
    414244.36  3774156.14  12784.10685  (12061706)      414244.36  3774136.02  13310.68789  (15071806)
    414241.76  3774052.96  14015.90227  (15092507)      414242.41  3774036.74  14835.54740  (13071606)
    414243.06  3774017.27  13535.60356  (13071606)      414243.06  3773979.64  12506.10404  (14012908)
    414239.81  3773932.92  11355.14486  (16111608)      414239.16  3773893.33   9404.84408  (12070906)
    414646.03  3773967.31   8712.84315  (14061706)      414647.97  3773917.34   7240.77308  (13072206)
    414646.03  3773895.93   7357.15315  (13062806)      414646.68  3773877.11   6964.04883  (14060606)
    414646.68  3773841.42   6571.84813  (14060606)      414644.73  3773799.89   5831.85795  (12071806)
    414649.92  3774091.90   9054.98582  (15062406)      414651.87  3774207.40   7161.44831  (12071219)
    414647.28  3773769.60   5314.57632  (12071806)      414647.28  3773722.90   4515.80805  (14092407)
    414588.50  3773543.39   3563.73855  (15061606)      414530.55  3773519.46   3467.27640  (13062606)
    414486.45  3773503.08   3369.65005  (14062906)      414427.23  3773494.26   3359.24678  (14053006)
    414356.68  3773470.32   2757.66064  (12100407)      414273.52  3773436.30   2721.16660  (12101107)
    414053.04  3773606.39   3178.51903  (15061806)      414834.19  3774266.59   3514.64193  (14071306)
  *** AERMOD - VERSION 19191 ***  *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc
***      05/24/21
 *** AERMET - VERSION 16216 ***  ***                                          ***      12:11:05
                                                    PAGE 245
 *** MODELOPTs:   RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                  *** THE  1ST HIGHEST  1-HR AVERAGE CONCENTRATION  VALUES FOR SOURCE GROUP:
AREA7  ***
                     INCLUDING SOURCE(S):    AREA7     ,

                           *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                         ** CONC OF OTHER    IN MICROGRAMS/M**3                **

    X-COORD (M)  Y-COORD (M)      CONC     (YYMMDDHH)          X-COORD (M)  Y-COORD (M)      CONC
(YYMMDDHH)
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    414016.08  3773637.64   3317.24140  (12070906)      414066.08  3773637.64   3401.26154  (12070906)
    414116.08  3773637.64   3554.05575  (15061806)      414166.08  3773637.64   3294.21364  (15061806)
    414216.08  3773637.64   3468.92308  (12100807)      414266.08  3773637.64   3854.83867  (12100807)
    414316.08  3773637.64   3553.43027  (12101107)      414366.08  3773637.64   3490.12997  (16050906)
    414416.08  3773637.64   3874.35577  (14053006)      414466.08  3773637.64   3990.28256  (14062906)
    414516.08  3773637.64   3925.97778  (15061606)      414566.08  3773637.64   4602.92120  (13071906)
    414616.08  3773637.64   4691.60108  (14070506)      414666.08  3773637.64   3966.50775  (14070506)
    414716.08  3773637.64   3759.21280  (14092407)      414766.08  3773637.64   3551.54647  (12071806)
    414816.08  3773637.64   3338.94136  (14053106)      414866.08  3773637.64   3163.80326  (14060606)
    414916.08  3773637.64   2767.19654  (14060606)      414966.08  3773637.64   2607.44101  (13062806)
    415016.08  3773637.64   2289.29721  (13062806)      414016.08  3773687.64   3817.02236  (16111608)
    414066.08  3773687.64   3968.90302  (12070906)      414116.08  3773687.64   3201.86755  (15061806)
    414166.08  3773687.64   3710.53794  (15061806)      414216.08  3773687.64   3719.77074  (15061806)
    414266.08  3773687.64   4104.28054  (12100807)      414316.08  3773687.64   3983.47323  (12101107)
    414366.08  3773687.64   4120.44686  (16050906)      414416.08  3773687.64   4649.74901  (14053006)
    414466.08  3773687.64   4819.76090  (13062606)      414516.08  3773687.64   4703.99153  (15061606)
    414566.08  3773687.64   5389.75330  (15060806)      414616.08  3773687.64   5196.86236  (14070506)
    414666.08  3773687.64   4535.10676  (14092407)      414716.08  3773687.64   4250.15852  (12071806)
    414766.08  3773687.64   3946.69286  (14053106)      414816.08  3773687.64   3688.74893  (14060606)
    414866.08  3773687.64   3238.78459  (13062806)      414916.08  3773687.64   2949.73654  (13062806)
    414966.08  3773687.64   2543.61348  (13072206)      415016.08  3773687.64   2467.92143  (13072206)
    414016.08  3773737.64   4213.78785  (13062006)      414066.08  3773737.64   4636.43339  (16111608)
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   414116.08  3773737.64   3656.21931  (16111608)      414166.08  3773737.64   4017.94417  (15061806)
   414216.08  3773737.64   4324.28173  (15061806)      414266.08  3773737.64   4619.33190  (12100807)
   414316.08  3773737.64   4872.76087  (12100807)      414366.08  3773737.64   5157.88377  (16050906)
   414416.08  3773737.64   5735.21909  (14053006)      414466.08  3773737.64   5996.32848  (13062606)
   414516.08  3773737.64   5658.57337  (15061606)      414566.08  3773737.64   6241.67904  (14070506)
   414616.08  3773737.64   5532.41614  (14092407)      414666.08  3773737.64   5231.20777  (12071806)
   414716.08  3773737.64   4773.06480  (14053106)      414766.08  3773737.64   4355.13453  (14060606)
   414816.08  3773737.64   3837.91882  (13062806)      414866.08  3773737.64   3286.73219  (13062806)
   414916.08  3773737.64   3057.65961  (13072206)      414966.08  3773737.64   2817.69617  (14052606)
   415016.08  3773737.64   2663.03348  (14052606)      414016.08  3773787.64   4174.14847  (12070806)
   414066.08  3773787.64   5105.23342  (13062006)      414116.08  3773787.64   5137.74782  (16111608)
   414166.08  3773787.64   4805.81065  (16111608)      414216.08  3773787.64   5525.64139  (15061806)
   414266.08  3773787.64   6104.29959  (15061806)      414316.08  3773787.64   6890.65709  (12100807)
   414366.08  3773787.64   6879.49762  (16050906)      414416.08  3773787.64   7741.75359  (14053006)
   414466.08  3773787.64   7639.47708  (15061606)      414516.08  3773787.64   7140.55035  (15060806)
   414566.08  3773787.64   6744.30552  (14070506)      414616.08  3773787.64   6648.60055  (12071806)
   414666.08  3773787.64   5946.72050  (14060606)      414716.08  3773787.64   5168.21985  (14060606)
   414766.08  3773787.64   4558.70030  (13062806)      414816.08  3773787.64   3883.70069  (13072206)
  *** AERMOD - VERSION  19191 ***   *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc
***       05/24/21
 *** AERMET - VERSION  16216 ***   ***                                          ***       12:11:05
                                                                    PAGE 246
 *** MODELOPTs:   RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                  *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP:
AREA7   ***
                     INCLUDING SOURCE(S):    AREA7      ,

                           *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                         ** CONC OF OTHER    IN MICROGRAMS/M**3                  **

    X-COORD (M)  Y-COORD (M)       CONC     (YYMMDDHH)          X-COORD (M)  Y-COORD (M)       CONC
(YYMMDDHH)
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   414866.08  3773787.64   3599.77871  (14052606)      414916.08  3773787.64   3346.60509  (14052606)
   414966.08  3773787.64   2977.58884  (14061706)      415016.08  3773787.64   2855.52051  (14061706)
   414016.08  3773837.64   4571.30434  (14012908)      414066.08  3773837.64   4954.28089  (14012908)
   414116.08  3773837.64   6207.52175  (12070806)      414166.08  3773837.64   7428.25684  (16111608)
   414216.08  3773837.64   8166.48514  (12070906)      414266.08  3773837.64   8961.14624  (15061806)
   414316.08  3773837.64   9965.56398  (12100807)      414366.08  3773837.64  10349.07586  (12101107)
   414416.08  3773837.64  11088.04618  (14053006)       414466.08  3773837.64  10567.23603  (15061606)
   414516.08  3773837.64   9256.71680  (14070506)      414566.08  3773837.64   7424.33949  (14092407)
   414616.08  3773837.64   7833.30122  (14060606)      414666.08  3773837.64   6581.39024  (13062806)
   414716.08  3773837.64   5294.47336  (13072206)      414766.08  3773837.64   4839.94094  (14052606)
   414816.08  3773837.64   4393.08160  (14052606)      414866.08  3773837.64   3931.29548  (14061706)
   414916.08  3773837.64   3625.49956  (14061706)      414966.08  3773837.64   3238.46758  (14061706)
   415016.08  3773837.64   2896.60546  (12062406)      414016.08  3773887.64   4459.84736  (16101107)
   414066.08  3773887.64   5430.68494  (12112008)      414116.08  3773887.64   6621.36222  (14012908)
   414166.08  3773887.64   7595.66209  (12070806)      414216.08  3773887.64  10113.84408  (13062006)
   414266.08  3773887.64  11542.81409  (12070906)       414316.08  3773887.64  14503.18294  (15061806)
   414366.08  3773887.64  15954.77123  (12101107)       414416.08  3773887.64  18666.07308  (14053006)
   414466.08  3773887.64  17230.67849  (15060806)       414516.08  3773887.64  11726.08601  (14092407)
   414566.08  3773887.64   9357.59294  (14060606)      414616.08  3773887.64   8579.79252  (13062806)
   414666.08  3773887.64   7045.16123  (13072206)      414716.08  3773887.64   6139.95396  (14052606)
   414766.08  3773887.64   5483.14257  (14061706)      414816.08  3773887.64   4758.32088  (14061706)
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414866.08	3773887.64	4115.14119 (12062406)	414916.08	3773887.64	3594.13576 (14070706)
414966.08	3773887.64	3248.79722 (14070706)	415016.08	3773887.64	2917.19949 (14070706)
414016.08	3773937.64	5321.86231 (13071606)	414066.08	3773937.64	5907.45310 (13071606)
414116.08	3773937.64	6646.74184 (16101107)	414166.08	3773937.64	8157.36543 (12112008)
414216.08	3773937.64	10800.37306 (14012908)	414266.08	3773937.64	14409.00412 (13062006)
414316.08	3773937.64	18356.75959 (12070906)	414666.08	3773937.64	8113.45546 (14061706)
414716.08	3773937.64	6582.57577 (12062406)	414766.08	3773937.64	5552.13982 (14070706)
414816.08	3773937.64	4826.35997 (15062506)	414866.08	3773937.64	4252.41045 (15062506)
414916.08	3773937.64	3727.59893 (15062506)	414966.08	3773937.64	3268.23014 (15062506)
415016.08	3773937.64	2873.32357 (15062506)	414016.08	3773987.64	5179.05034 (15020408)
414066.08	3773987.64	6273.53488 (15020408)	414116.08	3773987.64	7718.79155 (15020408)
414166.08	3773987.64	9830.37515 (13071606)	414216.08	3773987.64	12628.87120 (13071606)
414266.08	3773987.64	15765.24625 (13071606)	414316.08	3773987.64	23761.04142 (14012908)
414666.08	3773987.64	8139.14162 (15062506)	414716.08	3773987.64	6428.46899 (15062506)
414766.08	3773987.64	5146.22292 (13072506)	414816.08	3773987.64	4469.04355 (12051506)
414866.08	3773987.64	3911.24027 (12051506)	414916.08	3773987.64	3490.10433 (13051406)
414966.08	3773987.64	3118.92071 (13051406)	415016.08	3773987.64	2825.30127 (13051406)
414016.08	3774037.64	5264.85603 (14060406)	414066.08	3774037.64	6242.15103 (14060406)
414116.08	3774037.64	7614.35343 (14060406)	414166.08	3774037.64	9567.61369 (14060406)

*** AERMOD - VERSION 19191 *** *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc *** 05/24/21
*** AERMET - VERSION 16216 *** *** *** 12:11:05

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA7 ***

INCLUDING SOURCE(S): AREA7 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
414216.08	3774037.64	12502.91827 (14060406)	414266.08	3774037.64	17504.62750 (14060406)
414316.08	3774037.64	27907.67429 (14060406)	414666.08	3774037.64	8040.32325 (15062406)
414716.08	3774037.64	6476.81490 (15062406)	414766.08	3774037.64	5347.48421 (15062406)
414816.08	3774037.64	4531.46550 (13071506)	414866.08	3774037.64	3920.03875 (13071506)
414916.08	3774037.64	3434.84560 (13071506)	414966.08	3774037.64	3041.58772 (13071506)
415016.08	3774037.64	2735.44574 (13071506)	414016.08	3774087.64	5246.10622 (16101007)
414066.08	3774087.64	6305.29659 (16101007)	414116.08	3774087.64	7535.44575 (16101007)
414166.08	3774087.64	9161.02802 (14112908)	414216.08	3774087.64	11922.67746 (16120508)
414266.08	3774087.64	15807.27075 (16093007)	414316.08	3774087.64	20360.79912 (12061706)
414666.08	3774087.64	7825.27658 (12071406)	414716.08	3774087.64	6784.56253 (13111908)
414766.08	3774087.64	5845.30910 (13111908)	414816.08	3774087.64	5005.72931 (13111908)
414866.08	3774087.64	4358.70700 (15062406)	414916.08	3774087.64	3875.70036 (15062406)
414966.08	3774087.64	3464.34444 (15062406)	415016.08	3774087.64	3120.61509 (15062406)
414016.08	3774137.64	5140.63858 (16120508)	414066.08	3774137.64	6122.59543 (16120508)
414116.08	3774137.64	7342.97108 (16093007)	414166.08	3774137.64	8584.45546 (15071806)
414216.08	3774137.64	10778.72792 (12061706)	414266.08	3774137.64	12875.85865 (16120908)
414316.08	3774137.64	14554.35736 (15120908)	414666.08	3774137.64	7496.40141 (14071306)
414716.08	3774137.64	6497.94384 (14071306)	414766.08	3774137.64	5547.29635 (12071406)
414816.08	3774137.64	4803.03949 (12071406)	414866.08	3774137.64	4056.82952 (12071406)
414916.08	3774137.64	3593.14408 (13111908)	414966.08	3774137.64	3302.35987 (13111908)

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   415016.08  3774137.64   3050.08125  (13111908)      414016.08  3774187.64   5095.40946  (16093007)
   414066.08  3774187.64   5700.73266  (15071806)      414116.08  3774187.64   6803.10770  (12061706)
   414166.08  3774187.64   7267.26236  (12061706)      414216.08  3774187.64   9022.32477  (16120908)
   414266.08  3774187.64  10673.70141  (13071806)      414316.08  3774187.64  11099.17437  (15120908)
   414666.08  3774187.64   6702.06852  (12071219)      414716.08  3774187.64   5301.76639  (12071219)
   414766.08  3774187.64   4907.69711  (14071306)      414816.08  3774187.64   4606.43273  (14071306)
   414866.08  3774187.64   4081.18644  (14071306)      414916.08  3774187.64   3631.82045  (12071406)
   414966.08  3774187.64   3294.15857  (12071406)      415016.08  3774187.64   2957.42522  (12071406)
   414016.08  3774237.64   4813.64611  (15071806)      414066.08  3774237.64   5279.41110  (12061706)
   414116.08  3774237.64   5719.71566  (16072106)      414166.08  3774237.64   6786.42952  (16120908)
   414216.08  3774237.64   7870.14934  (13071806)      414266.08  3774237.64   8972.44978  (15120908)
   414316.08  3774237.64   8939.62657  (13032507)      414666.08  3774237.64   6047.19946  (14100107)
   414716.08  3774237.64   5583.08215  (14100107)      414766.08  3774237.64   4661.54194  (12071219)
   414816.08  3774237.64   3768.97729  (12071219)      414866.08  3774237.64   3452.55340  (14071306)
   414916.08  3774237.64   3421.26336  (14071306)      414966.08  3774237.64   3194.40094  (14071306)
   415016.08  3774237.64   2887.65219  (14071306)      414016.08  3774287.64   4035.28818  (12061706)
   414066.08  3774287.64   4643.77751  (16072106)      414116.08  3774287.64   5333.46295  (16120908)
   414166.08  3774287.64   6115.35612  (13071806)      414216.08  3774287.64   6629.35145  (15120908)
   414266.08  3774287.64   6426.47159  (15120908)      414316.08  3774287.64   7279.96443  (13032507)
   414666.08  3774287.64   5174.08778  (14101807)      414716.08  3774287.64   4626.35601  (14101807)
  *** AERMOD - VERSION  19191 ***   *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc
***       05/24/21
 *** AERMET - VERSION  16216 ***  ***                                          ***       12:11:05
                                                                    PAGE 248
 *** MODELOPTs:   RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                  *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP:
AREA7   ***
                     INCLUDING SOURCE(S):    AREA7      ,

                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                        ** CONC OF OTHER    IN MICROGRAMS/M**3                 **

    X-COORD (M)  Y-COORD (M)       CONC     (YYMMDDHH)          X-COORD (M)  Y-COORD (M)       CONC
(YYMMDDHH)
 -----------------------------------------------------------------
   414766.08  3774287.64   4605.02606  (14100107)      414816.08  3774287.64   3912.09619  (14100107)
   414866.08  3774287.64   3456.46181  (12071219)      414916.08  3774287.64   2817.17687  (12071219)
   414966.08  3774287.64   2582.96501  (14071306)      415016.08  3774287.64   2652.80182  (14071306)
   414016.08  3774337.64   3877.57341  (16120908)      414066.08  3774337.64   4304.10574  (16120908)
   414116.08  3774337.64   4929.91493  (13071806)      414166.08  3774337.64   4930.47200  (15120908)
   414216.08  3774337.64   5737.74191  (15120908)      414266.08  3774337.64   5513.05726  (13032507)
   414316.08  3774337.64   5552.80906  (13032507)      414366.08  3774337.64   5601.19372  (12120808)
   414416.08  3774337.64   5532.90163  (12120808)      414466.08  3774337.64   6002.45711  (12072006)
   414516.08  3774337.64   5984.81672  (13070206)      414566.08  3774337.64   5888.35011  (14070606)
   414666.08  3774337.64   5130.95677  (12052206)      414716.08  3774337.64   4204.74898  (14101807)
   414766.08  3774337.64   3899.00373  (14101807)      414816.08  3774337.64   3775.32455  (14100107)
   414866.08  3774337.64   3503.75528  (14100107)      414916.08  3774337.64   3048.37601  (12071219)
   414966.08  3774337.64   2705.96348  (12071219)      415016.08  3774337.64   2228.50177  (12071219)
   414016.08  3774387.64   3580.26841  (16120908)      414066.08  3774387.64   4069.47568  (13071806)
   414116.08  3774387.64   4044.81103  (13071806)      414166.08  3774387.64   4815.78425  (15120908)
   414216.08  3774387.64   4203.94062  (15120908)      414266.08  3774387.64   5014.52546  (13032507)
   414316.08  3774387.64   4683.08624  (12102207)      414366.08  3774387.64   4841.16903  (12120808)
   414416.08  3774387.64   4660.61690  (12120808)      414466.08  3774387.64   5036.05962  (12072006)
   414516.08  3774387.64   4982.79859  (13070206)      414566.08  3774387.64   4371.32080  (13070206)
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414616.08	3774387.64	4999.05044 (14070606)	414666.08	3774387.64	3997.33775 (12052206)
414716.08	3774387.64	4252.40718 (12052206)	414766.08	3774387.64	3493.28525 (14101807)
414816.08	3774387.64	3330.20152 (14101807)	414866.08	3774387.64	3134.11606 (14100107)
414916.08	3774387.64	3052.81049 (14100107)	414966.08	3774387.64	2669.29615 (14100107)
415016.08	3774387.64	2467.03404 (12071219)	414016.08	3774437.64	3442.73231 (13071806)
414066.08	3774437.64	3532.31039 (13071806)	414116.08	3774437.64	3945.24499 (15120908)
414166.08	3774437.64	4036.72129 (15120908)	414216.08	3774437.64	3778.68101 (13032507)
414266.08	3774437.64	4291.77970 (13032507)	414316.08	3774437.64	4130.01593 (12102207)
414366.08	3774437.64	4223.82415 (12120808)	414416.08	3774437.64	4009.18795 (12120808)
414466.08	3774437.64	4190.31863 (12072006)	414516.08	3774437.64	4012.55091 (13070206)
414566.08	3774437.64	4130.20666 (13070206)	414616.08	3774437.64	4158.54206 (14070606)
414666.08	3774437.64	4054.67807 (14070606)	414716.08	3774437.64	3541.27595 (12052206)
414766.08	3774437.64	3588.02514 (12052206)	414816.08	3774437.64	2954.71732 (14101807)
414866.08	3774437.64	2888.23081 (14101807)	414916.08	3774437.64	2610.91882 (14100107)
414966.08	3774437.64	2658.79535 (14100107)	415016.08	3774437.64	2469.78872 (14100107)
414016.08	3774487.64	3106.95227 (13071806)	414066.08	3774487.64	3240.08730 (15120908)
414116.08	3774487.64	3625.08782 (15120908)	414166.08	3774487.64	2965.10120 (15120908)
414216.08	3774487.64	3626.96302 (13032507)	414266.08	3774487.64	3531.61921 (13032507)
414316.08	3774487.64	3620.16031 (12102207)	414366.08	3774487.64	3721.83010 (12120808)
414416.08	3774487.64	3504.47829 (12120808)	414466.08	3774487.64	3501.94030 (12072006)
414516.08	3774487.64	3630.02056 (12072006)	414566.08	3774487.64	3719.72779 (13070206)

*** AERMOD - VERSION 19191 *** *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc *** 05/24/21
*** AERMET - VERSION 16216 *** *** *** 12:11:05

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA7 ***

INCLUDING SOURCE(S): AREA7 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
414616.08	3774487.64	3078.10479 (14070606)	414666.08	3774487.64	3735.46195 (14070606)
414716.08	3774487.64	3213.18982 (14070606)	414766.08	3774487.64	3147.17110 (12052206)
414816.08	3774487.64	3078.10448 (12052206)	414866.08	3774487.64	2559.01746 (14101807)
414916.08	3774487.64	2529.77059 (14101807)	414966.08	3774487.64	2235.80827 (14101807)
415016.08	3774487.64	2306.25065 (14100107)	414016.08	3774537.64	2604.10513 (15120908)
414066.08	3774537.64	3149.33493 (15120908)	414116.08	3774537.64	2993.74427 (15120908)
414166.08	3774537.64	2759.49459 (13032507)	414216.08	3774537.64	3325.29360 (13032507)
414266.08	3774537.64	2936.84124 (12102307)	414316.08	3774537.64	3182.17574 (12102207)
414366.08	3774537.64	3315.27690 (12120808)	414416.08	3774537.64	3112.21809 (12120808)
414466.08	3774537.64	2943.13925 (12072006)	414516.08	3774537.64	3312.81877 (12072006)
414566.08	3774537.64	3225.55040 (13070206)	414616.08	3774537.64	3022.90658 (13070206)
414666.08	3774537.64	3094.31719 (14070606)	414716.08	3774537.64	3230.14351 (14070606)
414766.08	3774537.64	2586.61338 (14070606)	414816.08	3774537.64	2793.42184 (12052206)
414866.08	3774537.64	2683.74914 (12052206)	414916.08	3774537.64	2253.63802 (14101807)
414966.08	3774537.64	2241.29396 (14101807)	415016.08	3774537.64	2002.47230 (14101807)
414016.08	3774587.64	2714.97546 (15120908)	414066.08	3774587.64	2803.16971 (15120908)
414116.08	3774587.64	2297.01797 (15120908)	414166.08	3774587.64	2743.23789 (13032507)
414216.08	3774587.64	2932.87646 (13032507)	414266.08	3774587.64	2726.63202 (12102207)

414316.08	3774587.64	2788.96363	(12102207)	414366.08	3774587.64	3001.02225	(12120808)
414416.08	3774587.64	2784.83029	(12120808)	414466.08	3774587.64	2587.43002	(16072301)
414516.08	3774587.64	2979.78513	(12072006)	414566.08	3774587.64	2774.30180	(12061406)
414616.08	3774587.64	2859.02091	(13070206)	414666.08	3774587.64	2376.30351	(14070606)
414716.08	3774587.64	2908.55214	(14070606)	414766.08	3774587.64	2745.48378	(14070606)
414816.08	3774587.64	2261.42272	(12052206)	414866.08	3774587.64	2518.92085	(12052206)
414916.08	3774587.64	2335.21734	(12052206)	414966.08	3774587.64	2006.94484	(14101807)
415016.08	3774587.64	2006.29542	(14101807)	414016.08	3774637.64	2544.85857	(15120908)
414066.08	3774637.64	2309.39847	(15120908)	414116.08	3774637.64	2075.71670	(13032507)
414166.08	3774637.64	2625.57164	(13032507)	414216.08	3774637.64	2544.46817	(13032507)
414266.08	3774637.64	2531.68224	(12102207)	414316.08	3774637.64	2455.22512	(12102207)
414366.08	3774637.64	2707.24082	(12120808)	414416.08	3774637.64	2511.41683	(12120808)
414466.08	3774637.64	2318.88352	(15080503)	414516.08	3774637.64	2674.87131	(12072006)
414566.08	3774637.64	2476.68860	(12072006)	414616.08	3774637.64	2616.61484	(13070206)
414666.08	3774637.64	2323.02613	(16101307)	414716.08	3774637.64	2454.28641	(14070606)
414766.08	3774637.64	2626.46866	(14070606)	414816.08	3774637.64	2273.15875	(14070606)
414866.08	3774637.64	2086.20409	(12052206)	414916.08	3774637.64	2248.23009	(12052206)
414966.08	3774637.64	2086.12624	(12052206)	415016.08	3774637.64	1796.84392	(14101807)
414361.21	3774308.59	6282.04172	(12102207)	414586.99	3774306.89	6265.60836	(14070606)
414586.99	3774347.63	5783.94271	(14070606)	414636.22	3774347.63	4646.24876	(12052206)
414629.43	3773930.02	9013.62649	(14061706)	414359.51	3773930.02	23138.93900	(12100807)
414406.37	3774308.25	6575.86484	(12120808)	414451.52	3774307.91	6721.34239	(12072006)

*** AERMOD - VERSION 19191 *** *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc *** 05/24/21
*** AERMET - VERSION 16216 *** *** *** 12:11:05

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA7 ***

INCLUDING SOURCE(S): AREA7 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
414496.68	3774307.57	6805.68666	(13070206)	414541.83	3774307.23	6417.18437	(14070606)
414635.47	3774301.23	5956.07674	(12052206)	414634.71	3774254.83	6070.50410	(14101807)
414633.96	3774208.43	7231.54443	(14100107)	414633.20	3774162.03	7841.06898	(12071219)
414632.45	3774115.62	9098.22025	(14071306)	414631.69	3774069.22	9768.99080	(13111908)
414630.94	3774022.82	8934.85183	(13051406)	414630.18	3773976.42	9624.16220	(15062506)
414584.44	3773930.02	11247.52922	(14052606)	414539.46	3773930.02	13301.53099	(13062806)
414494.47	3773930.02	19708.09100	(14053106)	414449.48	3773930.02	26980.80005	(15060806)
414404.50	3773930.02	24777.89023	(14053006)	414359.72	3773977.34	38627.87125	(15061806)
414359.94	3774024.66	69930.17233	(13071606)	414360.15	3774071.98	43691.12825	(13071806)
414360.36	3774119.31	21177.41202	(13032507)	414360.57	3774166.63	13465.15696	(13032507)
414360.79	3774213.95	9656.93268	(12102207)	414361.00	3774261.27	7803.72066	(12102207)
414651.22	3774193.13	7303.35304	(14100107)	414651.22	3774219.08	6759.81201	(14100107)
414651.87	3774247.64	6051.26215	(14101807)	414651.87	3774278.78	5539.11687	(12052206)
414651.87	3774298.90	5692.61606	(12052206)	414652.52	3774320.31	5498.20482	(12052206)
414651.87	3774365.09	4424.06494	(12052206)	414653.17	3774345.62	4990.30533	(12052206)
414649.27	3774056.86	9139.12239	(15062406)	414651.22	3774134.08	7887.34206	(14071306)
414650.57	3774166.52	7239.75856	(12071219)	414647.97	3774014.03	8335.85776	(13051406)

414248.25	3774308.63	6131.96527 (15120908)	414246.95	3774293.71	6809.27575 (15120908)
414246.30	3774277.48	7449.57753 (15120908)	414246.30	3774261.91	7895.87153 (15120908)
414246.95	3774244.39	8187.48145 (15120908)	414245.65	3774234.01	8150.14999 (15120908)
414246.30	3774219.73	8700.28195 (13071806)	414245.65	3774206.11	9491.13331 (13071806)
414245.00	3774187.94	9980.46135 (13071806)	414244.36	3774168.47	10612.28143 (16120908)
414244.36	3774156.14	11042.96658 (16120908)	414244.36	3774136.02	11371.76022 (12061706)
414241.76	3774052.96	14300.43094 (16101007)	414242.41	3774036.74	14911.02530 (14060406)
414243.06	3774017.27	14180.76057 (15092507)	414243.06	3773979.64	13123.75134 (13071606)
414239.81	3773932.92	11643.54716 (12070806)	414239.16	3773893.33	11244.53485 (16111608)
414646.03	3773967.31	8835.84626 (14070706)	414647.97	3773917.34	8169.95801 (14052606)
414646.03	3773895.93	7691.08175 (13072206)	414646.68	3773877.11	7245.98917 (13062806)
414646.68	3773841.42	6991.80211 (14060606)	414644.73	3773799.89	6477.99780 (14053106)
414649.92	3774091.90	8682.11300 (12071406)	414651.87	3774207.40	7124.00159 (14100107)
414647.28	3773769.60	5823.62460 (12071806)	414647.28	3773722.90	5131.57951 (14092407)
414588.50	3773543.39	3807.05064 (13071906)	414530.55	3773519.46	3728.12090 (13062606)
414486.45	3773503.08	3651.09785 (14062906)	414427.23	3773494.26	3643.11111 (14053006)
414356.68	3773470.32	3068.77395 (16050906)	414273.52	3773436.30	2933.17122 (12101107)
414053.04	3773606.39	3018.93606 (12100607)	414834.19	3774266.59	3752.23344 (12071219)

*** AERMOD - VERSION 19191 *** *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc *** 05/24/21
*** AERMET - VERSION 16216 *** *** *** 12:11:05

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA8 ***

INCLUDING SOURCE(S): AREA8 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
414016.08	3773637.64	2642.51698 (16111608)	414066.08	3773637.64	2785.37646 (12070906)
414116.08	3773637.64	3167.33437 (15061806)	414166.08	3773637.64	3603.52200 (15061806)
414216.08	3773637.64	3584.33400 (15071406)	414266.08	3773637.64	4101.58859 (12100807)
414316.08	3773637.64	3538.41320 (12101107)	414366.08	3773637.64	3524.79131 (16050906)
414416.08	3773637.64	3867.55416 (14053006)	414466.08	3773637.64	4230.92790 (13062606)
414516.08	3773637.64	4204.94534 (15061606)	414566.08	3773637.64	4087.98841 (15060806)
414616.08	3773637.64	3824.08521 (14070506)	414666.08	3773637.64	3303.98063 (14092407)
414716.08	3773637.64	3014.23908 (14092407)	414766.08	3773637.64	2793.35425 (14053106)
414816.08	3773637.64	2574.04738 (13061706)	414866.08	3773637.64	2336.55145 (14092307)
414916.08	3773637.64	2161.12921 (13062806)	414966.08	3773637.64	1930.43437 (13062806)
415016.08	3773637.64	1703.08329 (13062806)	414016.08	3773687.64	2970.96416 (13062006)
414066.08	3773687.64	3249.30254 (16111608)	414116.08	3773687.64	3357.86191 (12070906)
414166.08	3773687.64	3543.15655 (15061806)	414216.08	3773687.64	3790.03677 (15061806)
414266.08	3773687.64	4070.61543 (12100807)	414316.08	3773687.64	4064.67889 (12100807)
414366.08	3773687.64	4197.04334 (16050906)	414416.08	3773687.64	4665.89761 (14053006)
414466.08	3773687.64	5154.50836 (13062606)	414516.08	3773687.64	4983.50847 (15061606)
414566.08	3773687.64	4854.82784 (14070506)	414616.08	3773687.64	4200.87957 (14070506)
414666.08	3773687.64	3761.35539 (14092407)	414716.08	3773687.64	3416.53860 (14053106)
414766.08	3773687.64	3104.98017 (14060606)	414816.08	3773687.64	2743.12821 (14092307)
414866.08	3773687.64	2507.88234 (13062806)	414916.08	3773687.64	2181.45091 (13062806)
414966.08	3773687.64	1929.86084 (14052606)	415016.08	3773687.64	1844.77612 (14052606)

414016.08	3773737.64	3174.82942	(13062006)	414066.08	3773737.64	3697.51687	(13062006)
414116.08	3773737.64	4048.22722	(16111608)	414166.08	3773737.64	3764.03031	(12070906)
414216.08	3773737.64	4344.30144	(15061806)	414266.08	3773737.64	4482.45583	(15071406)
414316.08	3773737.64	5226.65506	(12100807)	414366.08	3773737.64	5310.15099	(16050906)
414416.08	3773737.64	5817.34249	(14053006)	414466.08	3773737.64	6401.99730	(13062606)
414516.08	3773737.64	6043.41397	(15060806)	414566.08	3773737.64	5804.11702	(14070506)
414616.08	3773737.64	4915.84145	(14092407)	414666.08	3773737.64	4355.65849	(14053106)
414716.08	3773737.64	3869.30544	(14060606)	414766.08	3773737.64	3369.45049	(13062806)
414816.08	3773737.64	2906.00800	(13062806)	414866.08	3773737.64	2489.60588	(13072206)
414916.08	3773737.64	2305.07008	(14052606)	414966.08	3773737.64	2092.87765	(14052606)
415016.08	3773737.64	1932.58528	(14061706)	414016.08	3773787.64	3310.34810	(14092207)
414066.08	3773787.64	3867.65364	(13062006)	414116.08	3773787.64	4723.53461	(13062006)
414166.08	3773787.64	5110.03734	(16111608)	414216.08	3773787.64	5079.88741	(12070906)
414266.08	3773787.64	6316.81331	(15061806)	414316.08	3773787.64	7059.27463	(12100807)
414366.08	3773787.64	7130.63111	(16050906)	414416.08	3773787.64	7964.41060	(14053006)
414466.08	3773787.64	8416.86547	(15061606)	414516.08	3773787.64	7740.49693	(14070506)
414566.08	3773787.64	6721.76076	(14092407)	414616.08	3773787.64	5845.15850	(14053106)
414666.08	3773787.64	4996.88544	(14060606)	414716.08	3773787.64	4220.83834	(13062806)
414766.08	3773787.64	3468.84830	(13062806)	414816.08	3773787.64	3105.74012	(14052606)

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA8 ***
INCLUDING SOURCE(S): AREA8 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
414866.08	3773787.64	2748.50757	(14052606)	414916.08	3773787.64	2546.00422	(14061706)
414966.08	3773787.64	2366.04985	(14061706)	415016.08	3773787.64	2136.12814	(14061706)
414016.08	3773837.64	3573.53130	(12112008)	414066.08	3773837.64	4223.22632	(12112008)
414116.08	3773837.64	4966.85528	(14092207)	414166.08	3773837.64	6383.90847	(13062006)
414216.08	3773837.64	7870.43392	(16111608)	414266.08	3773837.64	9215.78200	(15061806)
414316.08	3773837.64	10195.33177	(15061806)	414366.08	3773837.64	11921.01226	(12101107)
414416.08	3773837.64	12092.21056	(14053006)	414466.08	3773837.64	11386.21854	(15061606)
414516.08	3773837.64	9489.30460	(14070506)	414566.08	3773837.64	8182.32865	(14053106)
414616.08	3773837.64	6803.43760	(13062806)	414666.08	3773837.64	5434.97585	(13062806)
414716.08	3773837.64	4534.49988	(14052606)	414766.08	3773837.64	3937.98535	(14061706)
414816.08	3773837.64	3480.03996	(14061706)	414866.08	3773837.64	3029.02762	(14061706)
414916.08	3773837.64	2613.51890	(14062106)	414966.08	3773837.64	2402.18910	(14062106)
415016.08	3773837.64	2190.82850	(14062106)	414016.08	3773887.64	3844.09944	(13071606)
414066.08	3773887.64	4334.98001	(13071606)	414116.08	3773887.64	5382.57900	(12112008)
414166.08	3773887.64	6940.25520	(12112008)	414216.08	3773887.64	8994.68514	(13062006)
414266.08	3773887.64	12667.27784	(13062006)	414316.08	3773887.64	17436.91783	(15061806)
414366.08	3773887.64	22582.74750	(12100807)	414416.08	3773887.64	23625.95426	(14062906)
414466.08	3773887.64	19775.40064	(14070506)	414516.08	3773887.64	12708.87808	(14053106)
414566.08	3773887.64	9700.96428	(13062806)	414616.08	3773887.64	7684.38768	(14052606)
414666.08	3773887.64	6335.38670	(14061706)	414716.08	3773887.64	5174.22476	(14061706)

414766.08	3773887.64	4229.99137 (14062106)	414816.08	3773887.64	3678.15333 (14062106)
414866.08	3773887.64	3184.93797 (14062106)	414916.08	3773887.64	2828.95298 (14062106)
414966.08	3773887.64	2439.30992 (15062506)	415016.08	3773887.64	2204.36995 (15062506)
414016.08	3773937.64	4173.78717 (13071606)	414066.08	3773937.64	5068.94575 (13071606)
414116.08	3773937.64	6288.60513 (13071606)	414166.08	3773937.64	7962.72755 (13071606)
414216.08	3773937.64	10294.69740 (13071606)	414266.08	3773937.64	15248.50787 (12112008)
414316.08	3773937.64	26190.72784 (13062006)	414666.08	3773937.64	6742.30115 (14062106)
414716.08	3773937.64	5297.43687 (15062506)	414766.08	3773937.64	4324.71642 (15062506)
414816.08	3773937.64	3599.63364 (15062506)	414866.08	3773937.64	3050.16586 (15062506)
414916.08	3773937.64	2591.88383 (15062506)	414966.08	3773937.64	2339.01652 (15062506)
415016.08	3773937.64	2065.18523 (15062506)	414016.08	3773987.64	4109.13691 (15092507)
414066.08	3773987.64	4981.74793 (15092507)	414116.08	3773987.64	6257.97572 (15092507)
414166.08	3773987.64	8174.61393 (15092507)	414216.08	3773987.64	11412.42924 (15092507)
414266.08	3773987.64	17627.82581 (15092507)	414316.08	3773987.64	34982.12520 (16062006)
414666.08	3773987.64	6289.52537 (13051406)	414716.08	3773987.64	4952.76835 (13051406)
414766.08	3773987.64	4055.65350 (13051406)	414816.08	3773987.64	3404.98318 (13051406)
414866.08	3773987.64	2941.13439 (13051406)	414916.08	3773987.64	2581.46884 (13051406)
414966.08	3773987.64	2255.91004 (13051406)	415016.08	3773987.64	2058.50210 (13051406)
414016.08	3774037.64	4183.33047 (14060406)	414066.08	3774037.64	5023.44208 (14060406)
414116.08	3774037.64	6207.59365 (14060406)	414166.08	3774037.64	7950.37538 (16101007)

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA8 ***

INCLUDING SOURCE(S): AREA8 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
414216.08	3774037.64	11079.59406 (14112908)	414266.08	3774037.64	16873.11138 (16120508)
414316.08	3774037.64	32414.81756 (15071806)	414666.08	3774037.64	7014.58359 (13111908)
414716.08	3774037.64	5496.90727 (15062406)	414766.08	3774037.64	4589.81007 (15062406)
414816.08	3774037.64	3848.06029 (15062406)	414866.08	3774037.64	3347.26249 (15062406)
414916.08	3774037.64	2889.16869 (15062406)	414966.08	3774037.64	2595.17911 (15062406)
415016.08	3774037.64	2336.69412 (15062406)	414016.08	3774087.64	3952.76319 (14112908)
414066.08	3774087.64	4743.56005 (16120508)	414116.08	3774087.64	5918.71022 (16120508)
414166.08	3774087.64	7684.22653 (16093007)	414216.08	3774087.64	10194.11490 (15071806)
414266.08	3774087.64	13879.58070 (12061706)	414316.08	3774087.64	22234.83002 (13071806)
414666.08	3774087.64	6756.71278 (14012117)	414716.08	3774087.64	5469.94506 (14012117)
414766.08	3774087.64	4391.17844 (14062006)	414816.08	3774087.64	3745.33037 (13111908)
414866.08	3774087.64	3254.92425 (13111908)	414916.08	3774087.64	2902.41999 (13111908)
414966.08	3774087.64	2550.49090 (13111908)	415016.08	3774087.64	2315.66492 (13111908)
414016.08	3774137.64	3908.39991 (16093007)	414066.08	3774137.64	4657.58477 (16093007)
414116.08	3774137.64	5574.53821 (15071806)	414166.08	3774137.64	6891.12455 (12061706)
414216.08	3774137.64	8108.08861 (16120908)	414266.08	3774137.64	10909.81966 (16040207)
414316.08	3774137.64	15528.50148 (15120908)	414666.08	3774137.64	5753.89926 (13063006)
414716.08	3774137.64	4901.72100 (14071306)	414766.08	3774137.64	4261.15426 (14071306)
414816.08	3774137.64	3653.02617 (14012117)	414866.08	3774137.64	3210.35325 (14012117)

414916.08	3774137.64	2857.39470	(14012117)	414966.08	3774137.64	2529.85642	(12071406)
415016.08	3774137.64	2229.77412	(12071406)	414016.08	3774187.64	3693.65046	(15071806)
414066.08	3774187.64	4406.78132	(15071806)	414116.08	3774187.64	4925.38144	(12061706)
414166.08	3774187.64	5793.60057	(16120908)	414216.08	3774187.64	7157.31356	(13071806)
414266.08	3774187.64	8686.41818	(15120908)	414316.08	3774187.64	9289.18480	(13032507)
414666.08	3774187.64	5548.76601	(14100107)	414716.08	3774187.64	4551.17987	(13063006)
414766.08	3774187.64	3605.89047	(13063006)	414816.08	3774187.64	3324.46440	(14071306)
414866.08	3774187.64	3055.69998	(14071306)	414916.08	3774187.64	2771.31172	(14071306)
414966.08	3774187.64	2521.36135	(14012117)	415016.08	3774187.64	2263.97992	(14012117)
414016.08	3774237.64	3483.16561	(12061706)	414066.08	3774237.64	3650.81429	(12061706)
414116.08	3774237.64	4320.74850	(16120908)	414166.08	3774237.64	5203.84651	(13071806)
414216.08	3774237.64	5973.21975	(16040207)	414266.08	3774237.64	6840.75425	(15120908)
414316.08	3774237.64	7047.90409	(13032507)	414666.08	3774237.64	4601.54842	(13070306)
414716.08	3774237.64	4338.45944	(14100107)	414766.08	3774237.64	3768.32954	(14100107)
414816.08	3774237.64	3164.38019	(13063006)	414866.08	3774237.64	2644.67730	(12071219)
414916.08	3774237.64	2445.07164	(14071306)	414966.08	3774237.64	2348.88141	(14071306)
415016.08	3774237.64	2145.00089	(14071306)	414016.08	3774287.64	2985.33779	(16120908)
414066.08	3774287.64	3481.87998	(16120908)	414116.08	3774287.64	4040.88742	(13071806)
414166.08	3774287.64	4589.69542	(16040207)	414216.08	3774287.64	5261.12940	(15120908)
414266.08	3774287.64	5043.36714	(15120908)	414316.08	3774287.64	5414.45631	(13032507)
414666.08	3774287.64	4527.97510	(12052206)	414716.08	3774287.64	3660.91558	(14101807)

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA8 ***

INCLUDING SOURCE(S): AREA8 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
414766.08	3774287.64	3440.82913	(14100107)	414816.08	3774287.64	3220.94563	(14100107)
414866.08	3774287.64	2718.93714	(14100107)	414916.08	3774287.64	2388.78855	(12071219)
414966.08	3774287.64	2064.67483	(12071219)	415016.08	3774287.64	1909.33050	(14071306)
414016.08	3774337.64	2878.36028	(16120908)	414066.08	3774337.64	3234.00550	(13071806)
414116.08	3774337.64	3653.53792	(16040207)	414166.08	3774337.64	4076.48463	(15120908)
414216.08	3774337.64	4307.08695	(15120908)	414266.08	3774337.64	4324.62646	(13032507)
414316.08	3774337.64	4248.16083	(13032507)	414366.08	3774337.64	4396.26097	(12120808)
414416.08	3774337.64	4370.38504	(12120808)	414466.08	3774337.64	4469.05564	(12072006)
414516.08	3774337.64	4947.08574	(13070206)	414566.08	3774337.64	4524.35838	(14070606)
414666.08	3774337.64	3958.75007	(12052206)	414716.08	3774337.64	3645.75357	(12052206)
414766.08	3774337.64	2989.80444	(14101807)	414816.08	3774337.64	2842.35206	(14100107)
414866.08	3774337.64	2629.76090	(14100107)	414916.08	3774337.64	2467.11029	(14100107)
414966.08	3774337.64	2144.31993	(14100107)	415016.08	3774337.64	1893.65190	(12071219)
414016.08	3774387.64	2702.44465	(13071806)	414066.08	3774387.64	3030.17416	(16040207)
414116.08	3774387.64	3256.82386	(15120908)	414166.08	3774387.64	3628.88056	(15120908)
414216.08	3774387.64	3279.05937	(13032507)	414266.08	3774387.64	3715.74577	(13032507)
414316.08	3774387.64	3529.44927	(12102207)	414366.08	3774387.64	3713.81031	(12120808)
414416.08	3774387.64	3673.48554	(12120808)	414466.08	3774387.64	3763.18636	(12072006)

414516.08	3774387.64	4095.15757 (13070206)	414566.08	3774387.64	3883.72390 (13070206)
414616.08	3774387.64	3920.13557 (14070606)	414666.08	3774387.64	3562.45481 (14070606)
414716.08	3774387.64	3301.31643 (12052206)	414766.08	3774387.64	3013.64869 (12052206)
414816.08	3774387.64	2486.20563 (14101807)	414866.08	3774387.64	2285.38516 (14100107)
414916.08	3774387.64	2283.18208 (14100107)	414966.08	3774387.64	2142.69651 (14100107)
415016.08	3774387.64	1930.37525 (14100107)	414016.08	3774437.64	2565.59327 (13071806)
414066.08	3774437.64	2670.44804 (15120908)	414116.08	3774437.64	3006.65170 (15120908)
414166.08	3774437.64	2988.18132 (15120908)	414216.08	3774437.64	3005.34770 (13032507)
414266.08	3774437.64	3152.34115 (13032507)	414316.08	3774437.64	3074.88097 (12102207)
414366.08	3774437.64	3265.33466 (12120808)	414416.08	3774437.64	3185.29753 (12120808)
414466.08	3774437.64	3195.52818 (12072006)	414516.08	3774437.64	3318.00625 (13070206)
414566.08	3774437.64	3505.41339 (13070206)	414616.08	3774437.64	3193.48557 (14070606)
414666.08	3774437.64	3290.35467 (14070606)	414716.08	3774437.64	2803.09002 (14070606)
414766.08	3774437.64	2825.13236 (12052206)	414816.08	3774437.64	2556.34220 (12052206)
414866.08	3774437.64	2172.55909 (14101807)	414916.08	3774437.64	2012.93399 (14101807)
414966.08	3774437.64	2005.50742 (14100107)	415016.08	3774437.64	1927.20832 (14100107)
414016.08	3774487.64	2286.31165 (16040207)	414066.08	3774487.64	2552.60069 (15120908)
414116.08	3774487.64	2644.26261 (15120908)	414166.08	3774487.64	2399.81852 (15120908)
414216.08	3774487.64	2738.91920 (13032507)	414266.08	3774487.64	2729.10496 (13032507)
414316.08	3774487.64	2690.56760 (12102207)	414366.08	3774487.64	2852.29474 (12120808)
414416.08	3774487.64	2806.40956 (12120808)	414466.08	3774487.64	2736.16965 (12072006)
414516.08	3774487.64	2822.58931 (12072006)	414566.08	3774487.64	3076.25100 (13070206)

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA8 ***

INCLUDING SOURCE(S): AREA8 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
414616.08	3774487.64	2813.75117 (13070206)	414666.08	3774487.64	2920.98339 (14070606)
414716.08	3774487.64	2851.92656 (14070606)	414766.08	3774487.64	2395.43867 (12052206)
414816.08	3774487.64	2451.03498 (12052206)	414866.08	3774487.64	2205.75377 (12052206)
414916.08	3774487.64	1900.49054 (14101807)	414966.08	3774487.64	1787.88176 (14101807)
415016.08	3774487.64	1753.15877 (14100107)	414016.08	3774537.64	2147.17155 (15120908)
414066.08	3774537.64	2338.15862 (15120908)	414116.08	3774537.64	2250.65449 (15120908)
414166.08	3774537.64	2258.95221 (13032507)	414216.08	3774537.64	2426.43975 (13032507)
414266.08	3774537.64	2292.39750 (13032507)	414316.08	3774537.64	2397.07274 (12102207)
414366.08	3774537.64	2553.66218 (12120808)	414416.08	3774537.64	2473.14255 (12120808)
414466.08	3774537.64	2376.36973 (12072006)	414516.08	3774537.64	2541.89354 (12072006)
414566.08	3774537.64	2701.68648 (13070206)	414616.08	3774537.64	2659.78588 (13070206)
414666.08	3774537.64	2484.51834 (14070606)	414716.08	3774537.64	2618.41791 (14070606)
414766.08	3774537.64	2324.93541 (14070606)	414816.08	3774537.64	2180.56576 (12052206)
414866.08	3774537.64	2135.28632 (12052206)	414916.08	3774537.64	1946.48733 (12052206)
414966.08	3774537.64	1692.33192 (14101807)	415016.08	3774537.64	1611.19137 (14101807)
414016.08	3774587.64	2073.12413 (15120908)	414066.08	3774587.64	2072.19653 (15120908)
414116.08	3774587.64	1856.56544 (15120908)	414166.08	3774587.64	2101.71121 (13032507)

414216.08	3774587.64	2131.83387	(13032507)	414266.08	3774587.64	2088.48122	(12102207)
414316.08	3774587.64	2103.79037	(12102207)	414366.08	3774587.64	2285.79197	(12120808)
414416.08	3774587.64	2222.22571	(12120808)	414466.08	3774587.64	2113.44743	(12072006)
414516.08	3774587.64	2291.08126	(12072006)	414566.08	3774587.64	2326.74337	(13070206)
414616.08	3774587.64	2427.90880	(13070206)	414666.08	3774587.64	2166.81926	(13070206)
414716.08	3774587.64	2314.62300	(14070606)	414766.08	3774587.64	2252.34833	(14070606)
414816.08	3774587.64	1958.02247	(14070606)	414866.08	3774587.64	1951.97602	(12052206)
414916.08	3774587.64	1903.15231	(12052206)	414966.08	3774587.64	1729.15422	(12052206)
415016.08	3774587.64	1527.96762	(14101807)	414016.08	3774637.64	1904.11367	(15120908)
414066.08	3774637.64	1785.14443	(15120908)	414116.08	3774637.64	1811.02931	(13032507)
414166.08	3774637.64	1978.15468	(13032507)	414216.08	3774637.64	1918.33527	(13032507)
414266.08	3774637.64	1924.59329	(12102207)	414316.08	3774637.64	1906.75518	(12102207)
414366.08	3774637.64	2101.92019	(12120808)	414416.08	3774637.64	2020.24017	(12120808)
414466.08	3774637.64	1920.33911	(16072224)	414516.08	3774637.64	2086.59619	(12072006)
414566.08	3774637.64	1983.48344	(13070206)	414616.08	3774637.64	2198.93141	(13070206)
414666.08	3774637.64	2072.90211	(13070206)	414716.08	3774637.64	1984.11915	(14070606)
414766.08	3774637.64	2107.01352	(14070606)	414816.08	3774637.64	1978.31687	(14070606)
414866.08	3774637.64	1672.67157	(14070606)	414916.08	3774637.64	1764.92167	(12052206)
414966.08	3774637.64	1718.84016	(12052206)	415016.08	3774637.64	1548.63802	(12052206)
414361.21	3774308.59	4783.64022	(12120808)	414586.99	3774306.89	5119.10463	(14070606)
414586.99	3774347.63	4435.42431	(14070606)	414636.22	3774347.63	4089.88190	(14070606)
414629.43	3773930.02	8070.00146	(14061706)	414359.51	3773930.02	38811.76340	(15061806)
414406.37	3774308.25	5019.98889	(12120808)	414451.52	3774307.91	5022.71953	(12072006)

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA8 ***

INCLUDING SOURCE(S): AREA8 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
414496.68	3774307.57	5563.74505	(13070206)	414541.83	3774307.23	5054.16907	(13070206)
414635.47	3774301.23	4524.20915	(12052206)	414634.71	3774254.83	5254.51327	(12052206)
414633.96	3774208.43	5433.71087	(13070306)	414633.20	3774162.03	6656.38815	(14100107)
414632.45	3774115.62	6876.05892	(13063006)	414631.69	3774069.22	8176.30633	(14012117)
414630.94	3774022.82	8533.19172	(15062406)	414630.18	3773976.42	7979.38260	(15062506)
414584.44	3773930.02	10919.18582	(14061706)	414539.46	3773930.02	13829.25264	(14061706)
414494.47	3773930.02	21893.72190	(13062806)	414449.48	3773930.02	34817.21770	(14070506)
414404.50	3773930.02	47338.95706	(14053006)	414359.72	3773977.34	79119.68486	(14092207)
414359.94	3774024.66	79198.25752	(12061706)	414360.15	3774071.98	34415.12338	(15120908)
414360.36	3774119.31	17190.69621	(13032507)	414360.57	3774166.63	11523.77570	(13032507)
414360.79	3774213.95	8139.75724	(12102207)	414361.00	3774261.27	6050.15202	(12102207)
414651.22	3774193.13	5667.24532	(14100107)	414651.22	3774219.08	4958.01402	(14100107)
414651.87	3774247.64	4883.75156	(12052206)	414651.87	3774278.78	4733.37538	(12052206)
414651.87	3774298.90	4500.74878	(12052206)	414652.52	3774320.31	4160.58653	(12052206)
414651.87	3774365.09	3808.16097	(14070606)	414653.17	3774345.62	3786.06025	(14070606)
414649.27	3774056.86	7431.01989	(14062006)	414651.22	3774134.08	6230.84825	(13063006)

414650.57	3774166.52	6151.77490 (14100107)	414647.97	3774014.03	7723.47629 (15062406)
414248.25	3774308.63	4631.17567 (15120908)	414246.95	3774293.71	5078.56021 (15120908)
414246.30	3774277.48	5553.90747 (15120908)	414246.30	3774261.91	6002.71970 (15120908)
414246.95	3774244.39	6502.45286 (15120908)	414245.65	3774234.01	6719.98674 (15120908)
414246.30	3774219.73	7068.51441 (15120908)	414245.65	3774206.11	7282.67031 (15120908)
414245.00	3774187.94	7961.66949 (16040207)	414244.36	3774168.47	8615.22859 (16040207)
414244.36	3774156.14	8897.02236 (13071806)	414244.36	3774136.02	9481.66346 (16120908)
414241.76	3774052.96	13348.91065 (16093007)	414242.41	3774036.74	13506.96170 (14112908)
414243.06	3774017.27	14331.54178 (14060406)	414243.06	3773979.64	14254.90488 (13071606)
414239.81	3773932.92	12053.03159 (12112008)	414239.16	3773893.33	10789.48540 (13062006)
414646.03	3773967.31	7405.11758 (15062506)	414647.97	3773917.34	7278.07157 (14061706)
414646.03	3773895.93	7066.29975 (14061706)	414646.68	3773877.11	6502.20416 (14052606)
414646.68	3773841.42	6045.34520 (13062806)	414644.73	3773799.89	5570.29553 (14060606)
414649.92	3774091.90	7017.51179 (14071306)	414651.87	3774207.40	5292.64771 (14100107)
414647.28	3773769.60	5029.52784 (14060606)	414647.28	3773722.90	4273.62316 (14092407)
414588.50	3773543.39	2965.93538 (13071906)	414530.55	3773519.46	2930.32048 (13062606)
414486.45	3773503.08	2865.92505 (14062906)	414427.23	3773494.26	2876.60781 (14053006)
414356.68	3773470.32	2482.27861 (16050906)	414273.52	3773436.30	2284.13665 (12101107)
414053.04	3773606.39	2537.45231 (12070906)	414834.19	3774266.59	3040.38937 (14100107)

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA9 ***

INCLUDING SOURCE(S): AREA9 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
414016.08	3773637.64	1376.73984 (12070906)	414066.08	3773637.64	1388.64181 (15061806)
414116.08	3773637.64	1630.87738 (15061806)	414166.08	3773637.64	1756.28779 (15061806)
414216.08	3773637.64	1793.31413 (15061806)	414266.08	3773637.64	1721.23503 (15071406)
414316.08	3773637.64	1819.79982 (12100807)	414366.08	3773637.64	1851.95470 (12100807)
414416.08	3773637.64	1832.54833 (12101107)	414466.08	3773637.64	2015.39614 (16050906)
414516.08	3773637.64	2033.79564 (16050906)	414566.08	3773637.64	2187.44408 (14053006)
414616.08	3773637.64	2250.83029 (14053006)	414666.08	3773637.64	2205.23748 (14062906)
414716.08	3773637.64	2181.87543 (13062606)	414766.08	3773637.64	2155.64087 (15061606)
414816.08	3773637.64	2038.24316 (13071906)	414866.08	3773637.64	2000.47847 (15060806)
414916.08	3773637.64	1921.77437 (14070506)	414966.08	3773637.64	1774.68924 (14070506)
415016.08	3773637.64	1605.93663 (14092407)	414016.08	3773687.64	1464.21151 (16111608)
414066.08	3773687.64	1552.84480 (12070906)	414116.08	3773687.64	1619.25546 (15061806)
414166.08	3773687.64	1718.04980 (15061806)	414216.08	3773687.64	1821.13353 (15061806)
414266.08	3773687.64	1741.88053 (15061806)	414316.08	3773687.64	1829.71638 (12100807)
414366.08	3773687.64	2027.18188 (12100807)	414416.08	3773687.64	2018.58519 (12100807)
414466.08	3773687.64	2259.89212 (12101107)	414516.08	3773687.64	2300.30822 (16050906)
414566.08	3773687.64	2464.23660 (14053006)	414616.08	3773687.64	2523.82576 (14053006)
414666.08	3773687.64	2478.64184 (14062906)	414716.08	3773687.64	2425.66780 (13062606)
414766.08	3773687.64	2404.59086 (15061606)	414816.08	3773687.64	2245.94511 (15060806)
414866.08	3773687.64	2201.28421 (14070506)	414916.08	3773687.64	2084.98662 (14070506)

414966.08	3773687.64	1833.63487	(14092407)	415016.08	3773687.64	1775.45803	(14092407)
414016.08	3773737.64	1665.89050	(16111608)	414066.08	3773737.64	1698.54665	(16111608)
414116.08	3773737.64	1742.42296	(12070906)	414166.08	3773737.64	1719.89004	(15061806)
414216.08	3773737.64	1886.61364	(15061806)	414266.08	3773737.64	1977.23902	(15061806)
414316.08	3773737.64	1916.49916	(12100807)	414366.08	3773737.64	2260.81340	(12100807)
414416.08	3773737.64	2374.69815	(12100807)	414466.08	3773737.64	2567.60793	(12101107)
414516.08	3773737.64	2614.75066	(16050906)	414566.08	3773737.64	2804.44675	(14053006)
414616.08	3773737.64	2876.07577	(14053006)	414666.08	3773737.64	2826.62418	(13062606)
414716.08	3773737.64	2735.40941	(15061606)	414766.08	3773737.64	2681.99521	(15061606)
414816.08	3773737.64	2574.64910	(15060806)	414866.08	3773737.64	2449.75898	(14070506)
414916.08	3773737.64	2183.43116	(14070506)	414966.08	3773737.64	2051.81391	(14092407)
415016.08	3773737.64	1878.32844	(12071806)	414016.08	3773787.64	1782.85285	(13062006)
414066.08	3773787.64	1909.16359	(16111608)	414116.08	3773787.64	1954.29801	(16111608)
414166.08	3773787.64	1980.88384	(12070906)	414216.08	3773787.64	2104.09750	(15061806)
414266.08	3773787.64	2348.18010	(15061806)	414316.08	3773787.64	2345.96159	(15061806)
414366.08	3773787.64	2545.38371	(12100807)	414416.08	3773787.64	2842.29411	(12100807)
414466.08	3773787.64	2932.84491	(12101107)	414516.08	3773787.64	3020.50282	(16050906)
414566.08	3773787.64	3223.84274	(14053006)	414616.08	3773787.64	3313.09173	(14053006)
414666.08	3773787.64	3269.29355	(13062606)	414716.08	3773787.64	3207.17615	(15061606)
414766.08	3773787.64	2979.61597	(13071906)	414816.08	3773787.64	2892.95604	(14070506)

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA9 ***

INCLUDING SOURCE(S): AREA9 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
414866.08	3773787.64	2644.27549	(14070506)	414916.08	3773787.64	2393.06335	(14092407)
414966.08	3773787.64	2220.29962	(14092407)	415016.08	3773787.64	2075.00296	(14053106)
414016.08	3773837.64	1895.07810	(13062006)	414066.08	3773837.64	2059.75917	(13062006)
414116.08	3773837.64	2231.35394	(16111608)	414166.08	3773837.64	2313.31841	(16111608)
414216.08	3773837.64	2456.66554	(12070906)	414266.08	3773837.64	2811.64526	(15061806)
414316.08	3773837.64	3002.90391	(15061806)	414366.08	3773837.64	3004.50296	(12100807)
414416.08	3773837.64	3432.59385	(12100807)	414466.08	3773837.64	3374.60173	(12101107)
414516.08	3773837.64	3518.48435	(16050906)	414566.08	3773837.64	3729.06502	(14053006)
414616.08	3773837.64	3839.03819	(14062906)	414666.08	3773837.64	3825.94393	(13062606)
414716.08	3773837.64	3722.76300	(15061606)	414766.08	3773837.64	3507.11244	(15060806)
414816.08	3773837.64	3277.93037	(14070506)	414866.08	3773837.64	2841.45813	(14092407)
414916.08	3773837.64	2639.89816	(14092407)	414966.08	3773837.64	2447.29011	(14053106)
415016.08	3773837.64	2280.53570	(14060606)	414016.08	3773887.64	1886.92155	(13062006)
414066.08	3773887.64	2185.88020	(13062006)	414116.08	3773887.64	2425.57358	(13062006)
414166.08	3773887.64	2653.24760	(16111608)	414216.08	3773887.64	2776.55497	(16111608)
414266.08	3773887.64	2964.55648	(12070906)	414316.08	3773887.64	3599.44069	(15061806)
414366.08	3773887.64	3857.39543	(15061806)	414416.08	3773887.64	4170.70347	(12100807)
414466.08	3773887.64	4384.77285	(12100807)	414516.08	3773887.64	4182.30214	(16050906)
414566.08	3773887.64	4401.79450	(14053006)	414616.08	3773887.64	4642.00291	(14062906)

414666.08	3773887.64	4522.69209 (13062606)	414716.08	3773887.64	4279.57301 (13071906)
414766.08	3773887.64	4091.25775 (14070506)	414816.08	3773887.64	3554.57528 (14070506)
414866.08	3773887.64	3241.19348 (14092407)	414916.08	3773887.64	2948.90300 (14053106)
414966.08	3773887.64	2711.98890 (14060606)	415016.08	3773887.64	2461.07884 (14060606)
414016.08	3773937.64	1996.56402 (14092207)	414066.08	3773937.64	2167.21897 (14092207)
414116.08	3773937.64	2525.08210 (13062006)	414166.08	3773937.64	2901.19015 (13062006)
414216.08	3773937.64	3222.52228 (16111608)	414266.08	3773937.64	3444.18545 (16111608)
414316.08	3773937.64	3769.98988 (15061806)	414666.08	3773937.64	5630.59063 (15061606)
414716.08	3773937.64	5230.36570 (15060806)	414766.08	3773937.64	4714.05986 (14070506)
414816.08	3773937.64	4085.34149 (14092407)	414866.08	3773937.64	3660.35150 (14053106)
414916.08	3773937.64	3332.20210 (14060606)	414966.08	3773937.64	2919.67431 (14060606)
415016.08	3773937.64	2628.43031 (13062806)	414016.08	3773987.64	2125.77356 (12112008)
414066.08	3773987.64	2358.28996 (12112008)	414116.08	3773987.64	2611.18050 (14092207)
414166.08	3773987.64	2929.50692 (12070806)	414216.08	3773987.64	3538.90699 (13062006)
414266.08	3773987.64	4043.29464 (13062006)	414316.08	3773987.64	4479.26022 (16111608)
414666.08	3773987.64	7076.79470 (15061606)	414716.08	3773987.64	6443.91170 (14070506)
414766.08	3773987.64	5391.52843 (14092407)	414816.08	3773987.64	4724.77776 (14053106)
414866.08	3773987.64	4202.26756 (14060606)	414916.08	3773987.64	3618.56531 (13062806)
414966.08	3773987.64	3148.59810 (13062806)	415016.08	3773987.64	2648.75088 (13072206)
414016.08	3774037.64	2060.41823 (12112008)	414066.08	3774037.64	2416.67844 (12112008)
414116.08	3774037.64	2800.39579 (12112008)	414166.08	3774037.64	3202.89513 (12112008)

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA9 ***

INCLUDING SOURCE(S): AREA9 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
414216.08	3774037.64	3641.34617 (14092207)	414266.08	3774037.64	4408.00309 (13062006)
414316.08	3774037.64	5318.37421 (13062006)	414666.08	3774037.64	9227.58315 (15060806)
414716.08	3774037.64	7633.42403 (14070506)	414766.08	3774037.64	6464.31327 (14053106)
414816.08	3774037.64	5558.41449 (14060606)	414866.08	3774037.64	4636.31027 (13062806)
414916.08	3774037.64	3765.99073 (13062806)	414966.08	3774037.64	3342.32536 (14052606)
415016.08	3774037.64	2941.47019 (14052606)	414016.08	3774087.64	2319.47046 (13071606)
414066.08	3774087.64	2511.76756 (13071606)	414116.08	3774087.64	2739.65207 (13071606)
414166.08	3774087.64	3235.50150 (12112008)	414216.08	3774087.64	3962.59915 (12112008)
414266.08	3774087.64	4745.50337 (12112008)	414316.08	3774087.64	6083.28724 (14092207)
414666.08	3774087.64	12681.75281 (14070506)	414716.08	3774087.64	9707.57781 (14053106)
414766.08	3774087.64	7846.25484 (14060606)	414816.08	3774087.64	6120.76118 (13062806)
414866.08	3774087.64	5009.99155 (14052606)	414916.08	3774087.64	4300.20896 (14061706)
414966.08	3774087.64	3765.00715 (14061706)	415016.08	3774087.64	3240.33542 (14061706)
414016.08	3774137.64	2511.99363 (13071606)	414066.08	3774137.64	2847.31675 (13071606)
414116.08	3774137.64	3256.40145 (13071606)	414166.08	3774137.64	3734.30747 (13071606)
414216.08	3774137.64	4285.11523 (13071606)	414266.08	3774137.64	4983.35525 (13071606)
414316.08	3774137.64	6684.89351 (12112008)	414666.08	3774137.64	17334.02677 (14053106)
414716.08	3774137.64	12420.91762 (13062806)	414766.08	3774137.64	8914.26943 (14052606)

414816.08	3774137.64	7174.65643 (14061706)	414866.08	3774137.64	5746.28118 (14061706)
414916.08	3774137.64	4586.06889 (14061706)	414966.08	3774137.64	3773.12388 (12062406)
415016.08	3774137.64	3258.72478 (15062506)	414016.08	3774187.64	2364.59247 (15020408)
414066.08	3774187.64	2719.61963 (15020408)	414116.08	3774187.64	3176.90340 (13071606)
414166.08	3774187.64	3789.94499 (13071606)	414216.08	3774187.64	4587.52815 (13071606)
414266.08	3774187.64	5720.16918 (13071606)	414316.08	3774187.64	7291.51896 (13071606)
414666.08	3774187.64	24461.55236 (14052606)	414716.08	3774187.64	15540.70678 (14061706)
414766.08	3774187.64	10180.36220 (12062406)	414816.08	3774187.64	7573.83080 (15062506)
414866.08	3774187.64	5884.93657 (15062506)	414916.08	3774187.64	4716.45471 (15062506)
414966.08	3774187.64	3851.68475 (15062506)	415016.08	3774187.64	3193.43952 (15062506)
414016.08	3774237.64	2448.53460 (15092507)	414066.08	3774237.64	2788.24358 (15092507)
414116.08	3774237.64	3219.09330 (15092507)	414166.08	3774237.64	3777.70243 (15092507)
414216.08	3774237.64	4528.77451 (15092507)	414266.08	3774237.64	5584.42250 (15092507)
414316.08	3774237.64	7147.53568 (15092507)	414666.08	3774237.64	29512.54640 (15062406)
414716.08	3774237.64	16061.84504 (15062406)	414766.08	3774237.64	10483.30353 (15062406)
414816.08	3774237.64	7601.46427 (15062406)	414866.08	3774237.64	5805.56877 (15062406)
414916.08	3774237.64	4603.76275 (15062406)	414966.08	3774237.64	3759.67338 (15062406)
415016.08	3774237.64	3173.46343 (15062406)	414016.08	3774287.64	2518.57227 (14060406)
414066.08	3774287.64	2864.89830 (14060406)	414116.08	3774287.64	3293.30655 (14060406)
414166.08	3774287.64	3840.18078 (14060406)	414216.08	3774287.64	4532.04069 (14060406)
414266.08	3774287.64	5495.15588 (14060406)	414316.08	3774287.64	7006.16641 (16101007)
414666.08	3774287.64	24375.55609 (14100107)	414716.08	3774287.64	15221.27080 (14071306)

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA9 ***

INCLUDING SOURCE(S): AREA9 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
414766.08	3774287.64	10342.50176 (12071406)	414816.08	3774287.64	7716.00792 (13111908)
414866.08	3774287.64	6056.19788 (13111908)	414916.08	3774287.64	4891.94512 (13111908)
414966.08	3774287.64	4052.34853 (15062406)	415016.08	3774287.64	3450.95282 (15062406)
414016.08	3774337.64	2409.77492 (16101007)	414066.08	3774337.64	2731.03252 (16101007)
414116.08	3774337.64	3136.98854 (14112908)	414166.08	3774337.64	3651.56802 (14112908)
414216.08	3774337.64	4370.52428 (16120508)	414266.08	3774337.64	5327.66003 (16120508)
414316.08	3774337.64	6781.07110 (16093007)	414366.08	3774337.64	8749.79553 (15071806)
414416.08	3774337.64	11649.20166 (12061706)	414466.08	3774337.64	15637.22283 (13071806)
414516.08	3774337.64	22364.12451 (15120908)	414566.08	3774337.64	23047.70768 (12120808)
414666.08	3774337.64	17749.69626 (12052206)	414716.08	3774337.64	12603.93009 (14100107)
414766.08	3774337.64	8589.24437 (13063006)	414816.08	3774337.64	7039.16947 (14071306)
414866.08	3774337.64	5652.89743 (14071306)	414916.08	3774337.64	4654.19466 (14012117)
414966.08	3774337.64	3860.69305 (14062006)	415016.08	3774337.64	3276.89012 (13111908)
414016.08	3774387.64	2332.75392 (14112908)	414066.08	3774387.64	2677.52261 (16120508)
414116.08	3774387.64	3068.83247 (16120508)	414166.08	3774387.64	3595.04403 (16093007)
414216.08	3774387.64	4234.72917 (16093007)	414266.08	3774387.64	5040.54255 (15071806)
414316.08	3774387.64	6104.76576 (15071806)	414366.08	3774387.64	7126.33022 (12061706)

414416.08	3774387.64	8998.01363 (13071806)	414466.08	3774387.64	11634.58968 (15120908)
414516.08	3774387.64	12618.13386 (13032507)	414566.08	3774387.64	13079.90209 (12120808)
414616.08	3774387.64	14304.79751 (13070206)	414666.08	3774387.64	12621.38662 (14070606)
414716.08	3774387.64	9914.14676 (12052206)	414766.08	3774387.64	7836.22135 (14100107)
414816.08	3774387.64	6231.79972 (14100107)	414866.08	3774387.64	4763.84590 (13063006)
414916.08	3774387.64	4226.98705 (14071306)	414966.08	3774387.64	3701.01910 (14071306)
415016.08	3774387.64	3203.24035 (14012117)	414016.08	3774437.64	2341.90291 (16093007)
414066.08	3774437.64	2640.52934 (16093007)	414116.08	3774437.64	2963.09804 (16093007)
414166.08	3774437.64	3405.26653 (15071806)	414216.08	3774437.64	3942.02864 (15071806)
414266.08	3774437.64	4454.63664 (12061706)	414316.08	3774437.64	5057.43440 (16120908)
414366.08	3774437.64	6069.64955 (13071806)	414416.08	3774437.64	7305.59282 (16040207)
414466.08	3774437.64	8424.40049 (15120908)	414516.08	3774437.64	8567.74186 (13032507)
414566.08	3774437.64	8754.00063 (12120808)	414616.08	3774437.64	9267.94761 (13070206)
414666.08	3774437.64	8825.69001 (14070606)	414716.08	3774437.64	7735.18183 (14070606)
414766.08	3774437.64	6644.42090 (12052206)	414816.08	3774437.64	5432.31993 (14100107)
414866.08	3774437.64	4727.40122 (14100107)	414916.08	3774437.64	3963.11022 (13063006)
414966.08	3774437.64	3190.18566 (13063006)	415016.08	3774437.64	2910.20554 (14071306)
414016.08	3774487.64	2242.98949 (16093007)	414066.08	3774487.64	2512.49434 (15071806)
414116.08	3774487.64	2832.40890 (15071806)	414166.08	3774487.64	3146.18622 (12061706)
414216.08	3774487.64	3412.55225 (12061706)	414266.08	3774487.64	3892.59955 (16120908)
414316.08	3774487.64	4475.68873 (13071806)	414366.08	3774487.64	5309.24260 (16040207)
414416.08	3774487.64	6134.79910 (15120908)	414466.08	3774487.64	5997.72096 (13032507)
414516.08	3774487.64	6070.21318 (13032507)	414566.08	3774487.64	6421.22294 (12120808)

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA9 ***

INCLUDING SOURCE(S): AREA9 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
414616.08	3774487.64	6367.87810 (12072006)	414666.08	3774487.64	7168.72631 (13070206)
414716.08	3774487.64	6742.25770 (14070606)	414766.08	3774487.64	5483.44416 (12052206)
414816.08	3774487.64	4875.06715 (12052206)	414866.08	3774487.64	4044.14033 (14100107)
414916.08	3774487.64	3741.15125 (14100107)	414966.08	3774487.64	3277.41647 (13063006)
415016.08	3774487.64	2830.12904 (13063006)	414016.08	3774537.64	2166.36941 (15071806)
414066.08	3774537.64	2372.23573 (12061706)	414116.08	3774537.64	2556.21686 (12061706)
414166.08	3774537.64	2657.61297 (16072106)	414216.08	3774537.64	3126.19752 (16120908)
414266.08	3774537.64	3509.09314 (13071806)	414316.08	3774537.64	4138.48352 (16040207)
414366.08	3774537.64	4629.55580 (15120908)	414416.08	3774537.64	4842.30574 (15120908)
414466.08	3774537.64	5000.42069 (13032507)	414516.08	3774537.64	4806.30520 (12102207)
414566.08	3774537.64	5115.65210 (12120808)	414616.08	3774537.64	4985.57684 (12072006)
414666.08	3774537.64	5706.37003 (13070206)	414716.08	3774537.64	5218.30885 (14070606)
414766.08	3774537.64	4881.47666 (14070606)	414816.08	3774537.64	4433.72645 (12052206)
414866.08	3774537.64	3801.22311 (12052206)	414916.08	3774537.64	3153.06531 (14100107)
414966.08	3774537.64	3064.69385 (14100107)	415016.08	3774537.64	2798.77329 (14100107)
414016.08	3774587.64	2022.68671 (12061706)	414066.08	3774587.64	2114.58704 (12061706)

414116.08	3774587.64	2273.26347	(16120908)	414166.08	3774587.64	2573.69375	(16120908)
414216.08	3774587.64	2827.78766	(13071806)	414266.08	3774587.64	3306.01961	(16040207)
414316.08	3774587.64	3575.40267	(15120908)	414366.08	3774587.64	4007.29291	(15120908)
414416.08	3774587.64	3780.93447	(13032507)	414466.08	3774587.64	4098.56063	(13032507)
414516.08	3774587.64	3956.03855	(12102207)	414566.08	3774587.64	4225.48140	(12120808)
414616.08	3774587.64	4034.44770	(12072006)	414666.08	3774587.64	4535.29022	(13070206)
414716.08	3774587.64	4494.88942	(13070206)	414766.08	3774587.64	4245.06168	(14070606)
414816.08	3774587.64	3814.43141	(14070606)	414866.08	3774587.64	3540.03215	(12052206)
414916.08	3774587.64	3123.97329	(12052206)	414966.08	3774587.64	2626.45428	(14101807)
415016.08	3774587.64	2559.26579	(14100107)	414016.08	3774637.64	1750.68722	(12061706)
414066.08	3774637.64	1983.72117	(16120908)	414116.08	3774637.64	2223.56390	(16120908)
414166.08	3774637.64	2406.19614	(13071806)	414216.08	3774637.64	2703.30559	(16040207)
414266.08	3774637.64	2925.34950	(16040207)	414316.08	3774637.64	3325.41848	(15120908)
414366.08	3774637.64	3304.80269	(15120908)	414416.08	3774637.64	3396.92153	(13032507)
414466.08	3774637.64	3494.80352	(13032507)	414516.08	3774637.64	3367.24671	(12102207)
414566.08	3774637.64	3593.27466	(12120808)	414616.08	3774637.64	3359.22980	(12072006)
414666.08	3774637.64	3540.51657	(13070206)	414716.08	3774637.64	3890.61101	(13070206)
414766.08	3774637.64	3494.71890	(14070606)	414816.08	3774637.64	3559.07019	(14070606)
414866.08	3774637.64	3040.47076	(12052206)	414916.08	3774637.64	2990.90263	(12052206)
414966.08	3774637.64	2619.91262	(12052206)	415016.08	3774637.64	2276.14382	(14101807)
414361.21	3774308.59	8938.52177	(16093007)	414586.99	3774306.89	41061.34054	(13070206)
414586.99	3774347.63	19939.86475	(13070206)	414636.22	3774347.63	20016.02405	(14070606)
414629.43	3773930.02	5547.90475	(13062606)	414359.51	3773930.02	4448.68649	(15061806)
414406.37	3774308.25	12195.78658	(16093007)	414451.52	3774307.91	17480.05813	(15071806)

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA9 ***

INCLUDING SOURCE(S): AREA9 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
414496.68	3774307.57	25495.06950	(13071806)	414541.83	3774307.23	37982.42933	(15120908)
414635.47	3774301.23	32131.17813	(12052206)	414634.71	3774254.83	53657.03558	(12043018)
414633.96	3774208.43	51427.78884	(12031616)	414633.20	3774162.03	28222.07221	(14092407)
414632.45	3774115.62	18280.33463	(15060806)	414631.69	3774069.22	12439.84469	(15061606)
414630.94	3774022.82	8923.04814	(15061606)	414630.18	3773976.42	6940.05728	(13062606)
414584.44	3773930.02	5658.96466	(14053006)	414539.46	3773930.02	5139.69584	(16050906)
414494.47	3773930.02	5127.98509	(12101107)	414449.48	3773930.02	5181.13247	(12100807)
414404.50	3773930.02	4626.71205	(15061806)	414359.72	3773977.34	4901.97379	(15061806)
414359.94	3774024.66	5620.73422	(16111608)	414360.15	3774071.98	6943.88311	(13062006)
414360.36	3774119.31	7510.93182	(14092207)	414360.57	3774166.63	8288.94048	(13071606)
414360.79	3774213.95	9374.61494	(13071606)	414361.00	3774261.27	9555.30033	(14060406)
414651.22	3774193.13	30662.25089	(13062806)	414651.22	3774219.08	37114.28131	(12120116)
414651.87	3774247.64	38009.20158	(13111908)	414651.87	3774278.78	31001.17841	(14100107)
414651.87	3774298.90	27389.61273	(14100107)	414652.52	3774320.31	22639.18406	(12052206)
414651.87	3774365.09	15864.25360	(14070606)	414653.17	3774345.62	17878.59870	(12052206)

414649.27	3774056.86	10660.73982 (15060806)	414651.22	3774134.08	18622.20485 (14092407)
414650.57	3774166.52	25564.60420 (14060606)	414647.97	3774014.03	8425.58034 (15061606)
414248.25	3774308.63	5032.32306 (14112908)	414246.95	3774293.71	5057.80349 (16101007)
414246.30	3774277.48	5206.39063 (14060406)	414246.30	3774261.91	5276.81046 (14060406)
414246.95	3774244.39	5165.65654 (14060406)	414245.65	3774234.01	5106.17042 (15092507)
414246.30	3774219.73	5076.95382 (15092507)	414245.65	3774206.11	5055.78144 (13071606)
414245.00	3774187.94	5224.03386 (13071606)	414244.36	3774168.47	5170.51799 (13071606)
414244.36	3774156.14	5028.61903 (13071606)	414244.36	3774136.02	4583.56192 (13071606)
414241.76	3774052.96	4050.16734 (14092207)	414242.41	3774036.74	3923.79285 (13062006)
414243.06	3774017.27	3946.12738 (13062006)	414243.06	3773979.64	3764.00986 (13062006)
414239.81	3773932.92	3342.52745 (16111608)	414239.16	3773893.33	2884.44645 (12070906)
414646.03	3773967.31	6465.34476 (13062606)	414647.97	3773917.34	5203.88748 (13062606)
414646.03	3773895.93	4786.83624 (13062606)	414646.68	3773877.11	4444.10870 (13062606)
414646.68	3773841.42	3903.09722 (13062606)	414644.73	3773799.89	3401.40396 (14062906)
414649.92	3774091.90	13982.13924 (14070506)	414651.87	3774207.40	35958.66283 (12031616)
414647.28	3773769.60	3104.36105 (14062906)	414647.28	3773722.90	2730.65016 (14062906)
414588.50	3773543.39	1837.33636 (14053006)	414530.55	3773519.46	1587.39546 (16050906)
414486.45	3773503.08	1601.91748 (16050906)	414427.23	3773494.26	1554.17915 (12101107)
414356.68	3773470.32	1435.22199 (15061706)	414273.52	3773436.30	1419.03989 (12100807)
414053.04	3773606.39	1375.25662 (15061806)	414834.19	3774266.59	7165.05804 (15062406)

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***

INCLUDING SOURCE(S): L0008169 , L0008170 , L0008171 , L0008172 , L0008173 ,
L0008174 , L0008175 , L0008176 , L0008177 , L0008178 , L0008179 , L0008180 , L0008181 ,
L0008182 , L0008183 , L0008184 , L0008185 , L0008186 , L0008187 , L0008188 , L0008189 ,
L0008190 , L0008191 , L0008192 , L0008193 , L0008194 , L0008195 , L0008196 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
414016.08	3773637.64	11.49388 (15101221)	414066.08	3773637.64	11.89984 (16061822)
414116.08	3773637.64	13.69956 (12111715)	414166.08	3773637.64	17.54835 (12111715)
414216.08	3773637.64	20.83294 (12111715)	414266.08	3773637.64	22.29600 (12111715)
414316.08	3773637.64	20.44563 (12021515)	414366.08	3773637.64	19.97623 (12021515)
414416.08	3773637.64	18.90976 (12021515)	414466.08	3773637.64	17.47862 (12021515)
414516.08	3773637.64	17.62697 (12101116)	414566.08	3773637.64	22.35736 (12042618)
414616.08	3773637.64	24.88310 (12042618)	414666.08	3773637.64	24.95598 (12042618)
414716.08	3773637.64	23.20381 (12120216)	414766.08	3773637.64	21.44568 (12120216)
414816.08	3773637.64	17.98403 (12120216)	414866.08	3773637.64	15.12728 (12111420)
414916.08	3773637.64	14.10529 (14012019)	414966.08	3773637.64	13.46874 (13030119)
415016.08	3773637.64	12.67661 (13030119)	414016.08	3773687.64	12.47121 (15031605)
414066.08	3773687.64	13.28529 (15101221)	414116.08	3773687.64	12.64349 (12111715)
414166.08	3773687.64	15.60782 (12111715)	414216.08	3773687.64	19.07869 (12111715)
414266.08	3773687.64	21.10522 (12111715)	414316.08	3773687.64	21.97927 (12021515)
414366.08	3773687.64	22.76494 (12021515)	414416.08	3773687.64	22.66666 (12021515)
414466.08	3773687.64	22.45996 (12021515)	414516.08	3773687.64	21.89926 (12042618)

414566.08	3773687.64	26.73681 (12042618)	414616.08	3773687.64	29.08625 (12042618)
414666.08	3773687.64	28.52932 (12042618)	414716.08	3773687.64	26.17552 (12120216)
414766.08	3773687.64	22.86714 (12120216)	414816.08	3773687.64	17.84778 (12120216)
414866.08	3773687.64	16.15579 (13030119)	414916.08	3773687.64	15.37560 (13030119)
414966.08	3773687.64	14.20452 (13030119)	415016.08	3773687.64	13.35592 (15102805)
414016.08	3773737.64	13.52425 (16092605)	414066.08	3773737.64	14.88900 (15031605)
414116.08	3773737.64	11.42992 (12111715)	414166.08	3773737.64	14.87463 (12111715)
414216.08	3773737.64	18.86504 (12111715)	414266.08	3773737.64	23.06726 (12111715)
414316.08	3773737.64	25.18709 (12111715)	414366.08	3773737.64	26.81648 (12021515)
414416.08	3773737.64	27.09992 (12021515)	414466.08	3773737.64	28.93290 (12021515)
414516.08	3773737.64	27.65325 (12042618)	414566.08	3773737.64	31.75015 (12042618)
414616.08	3773737.64	34.43475 (12042618)	414666.08	3773737.64	32.96476 (12042618)
414716.08	3773737.64	29.32393 (12120216)	414766.08	3773737.64	23.63237 (12120216)
414816.08	3773737.64	18.87578 (13030119)	414866.08	3773737.64	17.53836 (13030119)
414916.08	3773737.64	16.16692 (12031616)	414966.08	3773737.64	16.92697 (12031616)
415016.08	3773737.64	16.98619 (12031616)	414016.08	3773787.64	14.29683 (16102020)
414066.08	3773787.64	16.17358 (16102020)	414116.08	3773787.64	11.64208 (16093007)
414166.08	3773787.64	15.12785 (12111715)	414216.08	3773787.64	20.25732 (12111715)
414266.08	3773787.64	26.50406 (12111715)	414316.08	3773787.64	30.83702 (12111715)
414366.08	3773787.64	32.81728 (12021515)	414416.08	3773787.64	33.86803 (12021515)
414466.08	3773787.64	37.28767 (12021515)	414516.08	3773787.64	34.86250 (12042618)
414566.08	3773787.64	38.59212 (12042618)	414616.08	3773787.64	42.40936 (12042618)
414666.08	3773787.64	38.33618 (12120216)	414716.08	3773787.64	31.99442 (12120216)
414766.08	3773787.64	23.26175 (12120216)	414816.08	3773787.64	23.46903 (12031616)

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***

INCLUDING SOURCE(S): L0008169 , L0008170 , L0008171 , L0008172 , L0008173 ,
L0008174 , L0008175 , L0008176 , L0008177 , L0008178 , L0008179 , L0008180 , L0008181 ,
L0008182 , L0008183 , L0008184 , L0008185 , L0008186 , L0008187 , L0008188 , L0008189 ,
L0008190 , L0008191 , L0008192 , L0008193 , L0008194 , L0008195 , L0008196 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
414866.08	3773787.64	24.41871 (12031616)	414916.08	3773787.64	23.78410 (12031616)
414966.08	3773787.64	22.43511 (12031616)	415016.08	3773787.64	20.76897 (12031616)
414016.08	3773837.64	16.08552 (15101222)	414066.08	3773837.64	17.62383 (15102423)
414116.08	3773837.64	19.63984 (16102020)	414166.08	3773837.64	21.96989 (16092605)
414216.08	3773837.64	24.75454 (16100702)	414266.08	3773837.64	33.21332 (12111715)
414316.08	3773837.64	40.43269 (12111715)	414366.08	3773837.64	47.00412 (12021515)
414416.08	3773837.64	44.56981 (12021515)	414466.08	3773837.64	47.96345 (12021515)
414516.08	3773837.64	46.87119 (12021515)	414566.08	3773837.64	48.01298 (12042618)
414616.08	3773837.64	56.10193 (12042618)	414666.08	3773837.64	45.69016 (12120216)
414716.08	3773837.64	38.41018 (12031616)	414766.08	3773837.64	38.98144 (12031616)
414816.08	3773837.64	36.08333 (12031616)	414866.08	3773837.64	32.07148 (12031616)
414916.08	3773837.64	28.10808 (12031616)	414966.08	3773837.64	24.74921 (12031616)

415016.08	3773837.64	22.02937 (12031616)	414016.08	3773887.64	16.60005 (16102005)
414066.08	3773887.64	18.81241 (15101222)	414116.08	3773887.64	21.44311 (15101222)
414166.08	3773887.64	24.28424 (15090921)	414216.08	3773887.64	27.80860 (15090921)
414266.08	3773887.64	36.43321 (12111715)	414316.08	3773887.64	61.32140 (12111715)
414366.08	3773887.64	83.59161 (12021515)	414416.08	3773887.64	74.97538 (12042618)
414466.08	3773887.64	83.24322 (12111715)	414516.08	3773887.64	72.57453 (12021515)
414566.08	3773887.64	65.05159 (12042618)	414616.08	3773887.64	78.41400 (12042618)
414666.08	3773887.64	75.29347 (12031616)	414716.08	3773887.64	63.94775 (12031616)
414766.08	3773887.64	50.61838 (12031616)	414816.08	3773887.64	40.30776 (12031616)
414866.08	3773887.64	33.06361 (12031616)	414916.08	3773887.64	28.37460 (12120116)
414966.08	3773887.64	25.00501 (12120116)	415016.08	3773887.64	22.37971 (12120116)
414016.08	3773937.64	17.65427 (14080304)	414066.08	3773937.64	19.81239 (14080304)
414116.08	3773937.64	23.00141 (13083001)	414166.08	3773937.64	26.44387 (13083001)
414216.08	3773937.64	30.76648 (12091501)	414266.08	3773937.64	39.44409 (12120215)
414316.08	3773937.64	65.00360 (12111715)	414666.08	3773937.64	105.42024 (12120116)
414716.08	3773937.64	71.93979 (12120116)	414766.08	3773937.64	53.36024 (12120116)
414816.08	3773937.64	42.07625 (12120116)	414866.08	3773937.64	34.73884 (12120116)
414916.08	3773937.64	29.66235 (12120116)	414966.08	3773937.64	26.00590 (12120116)
415016.08	3773937.64	23.22003 (12120116)	414016.08	3773987.64	18.48865 (15090920)
414066.08	3773987.64	20.91302 (15090920)	414116.08	3773987.64	25.96343 (12033117)
414166.08	3773987.64	35.30055 (12033117)	414216.08	3773987.64	50.50576 (12033117)
414266.08	3773987.64	77.34616 (12033117)	414316.08	3773987.64	134.23926 (12033117)
414666.08	3773987.64	104.14392 (12043018)	414716.08	3773987.64	59.93435 (12043018)
414766.08	3773987.64	45.21962 (12120116)	414816.08	3773987.64	37.39217 (12120116)
414866.08	3773987.64	32.14080 (12120116)	414916.08	3773987.64	28.35405 (12120116)
414966.08	3773987.64	25.47287 (12120116)	415016.08	3773987.64	23.02938 (12120116)
414016.08	3774037.64	23.05538 (12033117)	414066.08	3774037.64	28.63132 (12033117)
414116.08	3774037.64	35.81170 (12033117)	414166.08	3774037.64	45.31072 (12033117)

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***

INCLUDING SOURCE(S): L0008169 , L0008170 , L0008171 , L0008172 , L0008173 ,
L0008174 , L0008175 , L0008176 , L0008177 , L0008178 , L0008179 , L0008180 , L0008181 ,
L0008182 , L0008183 , L0008184 , L0008185 , L0008186 , L0008187 , L0008188 , L0008189 ,
L0008190 , L0008191 , L0008192 , L0008193 , L0008194 , L0008195 , L0008196 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
414216.08	3774037.64	57.72632 (12033117)	414266.08	3774037.64	73.05918 (12033117)
414316.08	3774037.64	76.37841 (12033117)	414666.08	3774037.64	95.55614 (12121716)
414716.08	3774037.64	68.90170 (12043018)	414766.08	3774037.64	51.85138 (12043018)
414816.08	3774037.64	38.72295 (12043018)	414866.08	3774037.64	31.27627 (12031616)
414916.08	3774037.64	27.98755 (12120116)	414966.08	3774037.64	25.33897 (12120116)
415016.08	3774037.64	22.96544 (12120116)	414016.08	3774087.64	26.94220 (12033117)
414066.08	3774087.64	31.60832 (12033117)	414116.08	3774087.64	37.08282 (12033117)
414166.08	3774087.64	43.45087 (12033117)	414216.08	3774087.64	50.64979 (12033117)

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   414266.08  3774087.64     58.78432  (12033117)        414316.08  3774087.64     62.27822  (16062006)
   414666.08  3774087.64     80.20862  (12071919)        414716.08  3774087.64     60.65076  (12121716)
   414766.08  3774087.64     49.12523  (12121716)        414816.08  3774087.64     39.93431  (12043018)
   414866.08  3774087.64     33.54307  (12031616)        414916.08  3774087.64     29.02622  (12120116)
   414966.08  3774087.64     25.87286  (12120116)        415016.08  3774087.64     22.95828  (12120116)
   414016.08  3774137.64     27.22670  (12033117)        414066.08  3774137.64     30.71796  (12033117)
   414116.08  3774137.64     34.86888  (12033117)        414166.08  3774137.64     40.06582  (12033117)
   414216.08  3774137.64     47.65918  (12033117)        414266.08  3774137.64     60.69030  (12033117)
   414316.08  3774137.64     68.98892  (12033117)        414666.08  3774137.64     69.27534  (12031616)
   414716.08  3774137.64     61.66359  (12031616)        414766.08  3774137.64     51.70461  (12031616)
   414816.08  3774137.64     41.60333  (12031616)        414866.08  3774137.64     35.16319  (12120116)
   414916.08  3774137.64     29.97233  (12120116)        414966.08  3774137.64     25.58117  (12120116)
   415016.08  3774137.64     21.87161  (12120116)        414016.08  3774187.64     26.30885  (12033117)
   414066.08  3774187.64     29.34689  (12033117)        414116.08  3774187.64     33.17540  (12033117)
   414166.08  3774187.64     38.40529  (12033117)        414216.08  3774187.64     45.98467  (12033117)
   414266.08  3774187.64     57.89243  (12033117)        414316.08  3774187.64     88.45156  (12033117)
   414666.08  3774187.64     96.53511  (12031616)        414716.08  3774187.64     73.13192  (12031616)
   414766.08  3774187.64     55.93511  (12120116)        414816.08  3774187.64     43.85053  (12120116)
   414866.08  3774187.64     34.66378  (12120116)        414916.08  3774187.64     28.87617  (12043018)
   414966.08  3774187.64     25.82681  (12043018)        415016.08  3774187.64     23.20384  (12043018)
   414016.08  3774237.64     26.06599  (12033117)        414066.08  3774237.64     29.43616  (12033117)
   414116.08  3774237.64     33.89478  (12033117)        414166.08  3774237.64     40.21399  (12033117)
   414216.08  3774237.64     49.78251  (12033117)        414266.08  3774237.64     65.62395  (12033117)
   414316.08  3774237.64     97.66732  (12033117)        414666.08  3774237.64    130.10071  (12120116)
   414716.08  3774237.64     81.03764  (12120116)        414766.08  3774237.64     52.88270  (12120116)
   414816.08  3774237.64     41.24481  (12043018)        414866.08  3774237.64     35.05008  (12043018)
   414916.08  3774237.64     30.27949  (12043018)        414966.08  3774237.64     26.91149  (12043018)
   415016.08  3774237.64     24.23059  (12043018)        414016.08  3774287.64     26.16634  (12033117)
   414066.08  3774287.64     30.00168  (12033117)        414116.08  3774287.64     35.21416  (12033117)
   414166.08  3774287.64     42.60776  (12033117)        414216.08  3774287.64     53.76671  (12033117)
   414266.08  3774287.64     72.17327  (12033117)        414316.08  3774287.64    108.56241  (12033117)
   414666.08  3774287.64    183.04757  (12043018)        414716.08  3774287.64     93.33068  (12043018)
  *** AERMOD - VERSION  19191 ***   *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc
***      05/24/21
 *** AERMET - VERSION  16216 ***   ***                                          ***      12:11:05
                                                                    PAGE 266
 *** MODELOPTs:   RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                  *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP:
SLINE1  ***
                     INCLUDING SOURCE(S):   L0008169   , L0008170   , L0008171   , L0008172   , L0008173   ,
          L0008174   , L0008175   , L0008176   , L0008177   , L0008178   , L0008179   , L0008180   , L0008181   ,
          L0008182   , L0008183   , L0008184   , L0008185   , L0008186   , L0008187   , L0008188   , L0008189   ,
          L0008190   , L0008191   , L0008192   , L0008193   , L0008194   , L0008195   , L0008196   , . . .    ,

                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                        ** CONC OF OTHER    IN MICROGRAMS/M**3                 **

    X-COORD (M)  Y-COORD (M)       CONC     (YYMMDDHH)          X-COORD (M)  Y-COORD (M)       CONC
(YYMMDDHH)
 ------------------------------------------------------------------
    414766.08  3774287.64     62.99140  (12043018)        414816.08  3774287.64     48.29539  (12043018)
    414866.08  3774287.64     38.63711  (12043018)        414916.08  3774287.64     32.67296  (12043018)
    414966.08  3774287.64     28.30336  (12043018)        415016.08  3774287.64     25.05863  (12043018)
    414016.08  3774337.64     24.41928  (12033117)        414066.08  3774337.64     27.62235  (12033117)
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414116.08  3774337.64    31.63886  (12033117)    414166.08  3774337.64    36.71246  (12033117)
414216.08  3774337.64    43.44099  (12033117)    414266.08  3774337.64    51.13710  (12033117)
414316.08  3774337.64    58.93509  (12033117)    414366.08  3774337.64    67.93353  (15022217)
414416.08  3774337.64    75.29205  (16093007)    414466.08  3774337.64    81.51171  (16093007)
414516.08  3774337.64    88.67994  (12071919)    414566.08  3774337.64    94.47546  (12071919)
414666.08  3774337.64   113.87883  (12071919)    414716.08  3774337.64    82.71491  (12071919)
414766.08  3774337.64    61.82859  (12121716)    414816.08  3774337.64    48.61689  (12121716)
414866.08  3774337.64    38.83464  (12121716)    414916.08  3774337.64    32.70891  (12121716)
414966.08  3774337.64    28.25007  (12043018)    415016.08  3774337.64    24.92881  (12043018)
414016.08  3774387.64    19.56216  (12033117)    414066.08  3774387.64    21.07120  (12033117)
414116.08  3774387.64    22.54393  (12033117)    414166.08  3774387.64    23.82730  (12033117)
414216.08  3774387.64    24.31915  (12033117)    414266.08  3774387.64    26.32288  (15022217)
414316.08  3774387.64    38.12172  (15022217)    414366.08  3774387.64    46.55819  (15022217)
414416.08  3774387.64    46.44269  (15022217)    414466.08  3774387.64    48.98551  (15022217)
414516.08  3774387.64    53.20287  (15022217)    414566.08  3774387.64    52.99337  (16123116)
414616.08  3774387.64    58.95931  (16020617)    414666.08  3774387.64    60.66179  (12071919)
414716.08  3774387.64    62.42875  (12071919)    414766.08  3774387.64    54.57201  (12071919)
414816.08  3774387.64    44.78892  (12071919)    414866.08  3774387.64    37.05040  (12071919)
414916.08  3774387.64    32.08803  (12121716)    414966.08  3774387.64    28.28569  (12121716)
415016.08  3774387.64    25.09501  (12121716)    414016.08  3774437.64    15.42799  (13082606)
414066.08  3774437.64    16.86151  (12101702)    414116.08  3774437.64    18.01428  (15103001)
414166.08  3774437.64    19.86863  (16092618)    414216.08  3774437.64    21.36443  (16092618)
414266.08  3774437.64    24.57674  (15022217)    414316.08  3774437.64    31.89084  (15022217)
414366.08  3774437.64    35.86563  (15022217)    414416.08  3774437.64    36.41743  (15022217)
414466.08  3774437.64    37.41926  (15022217)    414516.08  3774437.64    35.01885  (15022217)
414566.08  3774437.64    38.48375  (16123116)    414616.08  3774437.64    40.95627  (16020617)
414666.08  3774437.64    38.22268  (16020617)    414716.08  3774437.64    40.51394  (12071919)
414766.08  3774437.64    42.49178  (12071919)    414816.08  3774437.64    40.00554  (12071919)
414866.08  3774437.64    35.60928  (12071919)    414916.08  3774437.64    31.10373  (12071919)
414966.08  3774437.64    26.87294  (12071919)    415016.08  3774437.64    23.64696  (12121716)
414016.08  3774487.64    14.76959  (12101702)    414066.08  3774487.64    15.78521  (15103001)
414116.08  3774487.64    16.77603  (16092618)    414166.08  3774487.64    18.38433  (16092618)
414216.08  3774487.64    19.22175  (16092618)    414266.08  3774487.64    22.44448  (15022217)
414316.08  3774487.64    27.00890  (15022217)    414366.08  3774487.64    29.18581  (15022217)
414416.08  3774487.64    29.50896  (15022217)    414466.08  3774487.64    28.46879  (15022217)
414516.08  3774487.64    28.54373  (15120901)    414566.08  3774487.64    29.75393  (16123116)
 *** AERMOD - VERSION  19191 ***  *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc
***      05/24/21
 *** AERMET - VERSION  16216 ***  ***                                          ***      12:11:05
                                                                  PAGE 267
 *** MODELOPTs:   RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                  *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP:
SLINE1   ***
                      INCLUDING SOURCE(S):   L0008169   , L0008170   , L0008171   , L0008172   , L0008173   ,
          L0008174   , L0008175   , L0008176   , L0008177   , L0008178   , L0008179   , L0008180   , L0008181   ,
          L0008182   , L0008183   , L0008184   , L0008185   , L0008186   , L0008187   , L0008188   , L0008189   ,
          L0008190   , L0008191   , L0008192   , L0008193   , L0008194   , L0008195   , L0008196   , . . .     ,

                              *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                              ** CONC OF OTHER    IN MICROGRAMS/M**3                **

    X-COORD (M)  Y-COORD (M)       CONC     (YYMMDDHH)          X-COORD (M)  Y-COORD (M)       CONC
(YYMMDDHH)
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   414616.08  3774487.64    30.64769  (16020617)    414666.08  3774487.64    30.15667  (16020617)
   414716.08  3774487.64    26.68958  (12062920)    414766.08  3774487.64    29.16503  (12071919)
   414816.08  3774487.64    31.16198  (12071919)    414866.08  3774487.64    30.58103  (12071919)
   414916.08  3774487.64    28.67936  (12071919)    414966.08  3774487.64    26.16655  (12071919)
   415016.08  3774487.64    23.37620  (12071919)    414016.08  3774537.64    13.92067  (15103001)
   414066.08  3774537.64    14.80097  (15103001)    414116.08  3774537.64    15.87257  (16092618)
   414166.08  3774537.64    16.79383  (16092618)    414216.08  3774537.64    17.56301  (12091402)
   414266.08  3774537.64    20.35315  (15022217)    414316.08  3774537.64    23.31395  (15022217)
   414366.08  3774537.64    24.44971  (15022217)    414416.08  3774537.64    23.92421  (15022217)
   414466.08  3774537.64    23.83342  (12101623)    414516.08  3774537.64    24.45357  (15061004)
   414566.08  3774537.64    25.07724  (13111317)    414616.08  3774537.64    25.17976  (14091721)
   414666.08  3774537.64    24.24587  (12101821)    414716.08  3774537.64    23.81758  (12081219)
   414766.08  3774537.64    21.87103  (12071820)    414816.08  3774537.64    22.29727  (12071919)
   414866.08  3774537.64    23.91957  (12071919)    414916.08  3774537.64    24.26721  (12071919)
   414966.08  3774537.64    23.54808  (12071919)    415016.08  3774537.64    22.16590  (12071919)
   414016.08  3774587.64    13.37155  (15103001)    414066.08  3774587.64    14.23869  (16092618)
   414116.08  3774587.64    14.89332  (16092618)    414166.08  3774587.64    15.33587  (13050521)
   414216.08  3774587.64    16.32812  (12091402)    414266.08  3774587.64    18.39122  (15022217)
   414316.08  3774587.64    20.24293  (15022217)    414366.08  3774587.64    20.55985  (15022217)
   414416.08  3774587.64    20.08428  (12101804)    414466.08  3774587.64    20.97745  (12101623)
   414516.08  3774587.64    21.56238  (15061004)    414566.08  3774587.64    22.06457  (13111317)
   414616.08  3774587.64    22.20304  (14091721)    414666.08  3774587.64    21.33299  (16090406)
   414716.08  3774587.64    21.29682  (12081219)    414766.08  3774587.64    19.92685  (12071820)
   414816.08  3774587.64    19.21861  (12083119)    414866.08  3774587.64    18.25073  (13090219)
   414916.08  3774587.64    19.03429  (12071919)    414966.08  3774587.64    19.71940  (12071919)
   415016.08  3774587.64    19.62549  (12071919)    414016.08  3774637.64    12.75786  (16092618)
   414066.08  3774637.64    13.75605  (16092618)    414116.08  3774637.64    14.10464  (15103002)
   414166.08  3774637.64    14.74393  (12091402)    414216.08  3774637.64    15.30096  (12091402)
   414266.08  3774637.64    16.59389  (15022217)    414316.08  3774637.64    17.60959  (15022217)
   414366.08  3774637.64    17.62197  (16102306)    414416.08  3774637.64    18.40609  (12101804)
   414466.08  3774637.64    21.34343  (15100322)    414516.08  3774637.64    19.57053  (15061004)
   414566.08  3774637.64    19.89181  (13111317)    414616.08  3774637.64    19.96086  (14091721)
   414666.08  3774637.64    19.31227  (15070724)    414716.08  3774637.64    19.26070  (12081219)
   414766.08  3774637.64    18.64986  (14051720)    414816.08  3774637.64    17.94540  (12071820)
   414866.08  3774637.64    17.17344  (12091321)    414916.08  3774637.64    16.57239  (13090219)
   414966.08  3774637.64    15.49459  (12071919)    415016.08  3774637.64    16.34464  (12071919)
   414361.21  3774308.59   123.03239  (12033117)    414586.99  3774306.89   177.14284  (12071919)
   414586.99  3774347.63    84.49886  (16123116)    414636.22  3774347.63    94.16755  (12071919)
   414629.43  3773930.02   138.66475  (12031616)    414359.51  3773930.02   128.19380  (12021515)
   414406.37  3774308.25   138.81935  (12033117)    414451.52  3774307.91   148.86986  (12071919)
  *** AERMOD - VERSION 19191 ***   *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc
***      05/24/21
 *** AERMET - VERSION 16216 ***  ***                                          ***      12:11:05
                                                                  PAGE 268
 *** MODELOPTs:   RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP:
SLINE1  ***
                    INCLUDING SOURCE(S):   L0008169   , L0008170   , L0008171   , L0008172   , L0008173   ,
          L0008174   , L0008175   , L0008176   , L0008177   , L0008178   , L0008179   , L0008180   , L0008181   ,
          L0008182   , L0008183   , L0008184   , L0008185   , L0008186   , L0008187   , L0008188   , L0008189   ,
          L0008190   , L0008191   , L0008192   , L0008193   , L0008194   , L0008195   , L0008196   , . . .    ,

                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                          ** CONC OF OTHER    IN MICROGRAMS/M**3                 **
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X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
414496.68	3774307.57	160.18703	(12071919)	414541.83	3774307.23	163.74936	(12071919)
414635.47	3774301.23	223.78313	(12071919)	414634.71	3774254.83	208.44673	(12031616)
414633.96	3774208.43	133.79210	(12031616)	414633.20	3774162.03	87.36723	(12031616)
414632.45	3774115.62	83.18766	(12071919)	414631.69	3774069.22	104.63835	(12071919)
414630.94	3774022.82	126.02706	(12071919)	414630.18	3773976.42	155.95207	(12043018)
414584.44	3773930.02	203.38449	(12031616)	414539.46	3773930.02	166.24481	(12031616)
414494.47	3773930.02	182.32847	(12031616)	414449.48	3773930.02	162.77048	(16093007)
414404.50	3773930.02	179.13229	(12042618)	414359.72	3773977.34	256.05971	(12033117)
414359.94	3774024.66	149.21850	(12033117)	414360.15	3774071.98	129.94020	(16093007)
414360.36	3774119.31	138.14330	(16093007)	414360.57	3774166.63	152.58788	(16093007)
414360.79	3774213.95	171.65089	(12033117)	414361.00	3774261.27	227.37224	(12033117)
414651.22	3774193.13	107.15046	(12031616)	414651.22	3774219.08	129.42289	(12031616)
414651.87	3774247.64	161.79394	(12120116)	414651.87	3774278.78	245.69454	(12043018)
414651.87	3774298.90	198.95794	(12121716)	414652.52	3774320.31	147.30850	(12071919)
414651.87	3774365.09	76.75919	(12071919)	414653.17	3774345.62	100.88445	(12071919)
414649.27	3774056.86	100.17583	(12071919)	414651.22	3774134.08	70.97826	(12071919)
414650.57	3774166.52	86.42569	(12031616)	414647.97	3774014.03	119.34185	(12121716)
414248.25	3774308.63	60.12732	(12033117)	414246.95	3774293.71	63.19429	(12033117)
414246.30	3774277.48	64.05395	(12033117)	414246.30	3774261.91	62.78694	(12033117)
414246.95	3774244.39	59.83339	(12033117)	414245.65	3774234.01	57.16268	(12033117)
414246.30	3774219.73	54.67180	(12033117)	414245.65	3774206.11	52.78209	(12033117)
414245.00	3774187.94	51.96723	(12033117)	414244.36	3774168.47	52.69908	(12033117)
414244.36	3774156.14	53.51475	(12033117)	414244.36	3774136.02	54.29920	(12033117)
414241.76	3774052.96	62.10316	(12033117)	414242.41	3774036.74	65.80963	(12033117)
414243.06	3774017.27	68.27297	(12033117)	414243.06	3773979.64	58.47611	(12033117)
414239.81	3773932.92	32.63965	(12022717)	414239.16	3773893.33	29.64587	(15101021)
414646.03	3773967.31	108.89765	(12120116)	414647.97	3773917.34	111.03110	(12031616)
414646.03	3773895.93	87.07434	(12031616)	414646.68	3773877.11	63.76947	(12031616)
414646.68	3773841.42	50.79400	(12042618)	414644.73	3773799.89	43.58755	(12042618)
414649.92	3774091.90	85.61923	(12071919)	414651.87	3774207.40	119.12305	(12031616)
414647.28	3773769.60	38.36880	(12042618)	414647.28	3773722.90	32.48555	(12042618)
414588.50	3773543.39	17.23545	(12042618)	414530.55	3773519.46	14.85795	(16101918)
414486.45	3773503.08	14.02532	(14042920)	414427.23	3773494.26	13.04970	(15101019)
414356.68	3773470.32	15.83312	(12021515)	414273.52	3773436.30	15.96937	(12021515)
414053.04	3773606.39	11.04504	(14100222)	414834.19	3774266.59	42.21608	(12043018)

*** AERMOD - VERSION 19191 *** *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc *** 05/24/21

*** AERMET - VERSION 16216 *** *** *** 12:11:05

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2 ***

INCLUDING SOURCE(S): L0008230 , L0008231 , L0008232 , L0008233 , L0008234 ,
L0008235 , L0008236 , L0008237 , L0008238 , L0008239 , L0008240 , L0008241 , L0008242 ,
L0008243 , L0008244 , L0008245 , L0008246 , L0008247 , L0008248 , L0008249 , L0008250 ,
L0008251 , L0008252 , L0008253 , L0008254 , L0008255 , L0008256 , L0008257 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC

(YYMMDDHH)

414016.08	3773637.64	8.34114 (12033117)	414066.08	3773637.64	9.11571 (12033117)
414116.08	3773637.64	9.89309 (12033117)	414166.08	3773637.64	10.76323 (12033117)
414216.08	3773637.64	11.93728 (12033117)	414266.08	3773637.64	13.08298 (12033117)
414316.08	3773637.64	12.61580 (12033117)	414366.08	3773637.64	14.40997 (12033117)
414416.08	3773637.64	17.87107 (16093007)	414466.08	3773637.64	25.45913 (16093007)
414516.08	3773637.64	34.56220 (16093007)	414566.08	3773637.64	60.46386 (16093007)
414616.08	3773637.64	174.80025 (12033117)	414666.08	3773637.64	163.46350 (12031616)
414716.08	3773637.64	61.44895 (16093007)	414766.08	3773637.64	41.27734 (12071919)
414816.08	3773637.64	30.17484 (12121716)	414866.08	3773637.64	23.90137 (12071919)
414916.08	3773637.64	19.83916 (12071919)	414966.08	3773637.64	16.83401 (12071919)
415016.08	3773637.64	14.50254 (12043018)	414016.08	3773687.64	8.37120 (12033117)
414066.08	3773687.64	9.14454 (12033117)	414116.08	3773687.64	9.67669 (12033117)
414166.08	3773687.64	9.41081 (12033117)	414216.08	3773687.64	10.06926 (12033117)
414266.08	3773687.64	10.91415 (12033117)	414316.08	3773687.64	12.30436 (12033117)
414366.08	3773687.64	14.34416 (12033117)	414416.08	3773687.64	17.99402 (16093007)
414466.08	3773687.64	25.45215 (16093007)	414516.08	3773687.64	34.28417 (16093007)
414566.08	3773687.64	59.29389 (16093007)	414616.08	3773687.64	173.22783 (12033117)
414666.08	3773687.64	166.97292 (12031616)	414716.08	3773687.64	61.87379 (16093007)
414766.08	3773687.64	41.25604 (12071919)	414816.08	3773687.64	30.36091 (12071919)
414866.08	3773687.64	24.08795 (12071919)	414916.08	3773687.64	19.84017 (12071919)
414966.08	3773687.64	16.86265 (12071919)	415016.08	3773687.64	14.60827 (12071919)
414016.08	3773737.64	8.35629 (12033117)	414066.08	3773737.64	9.12586 (12033117)
414116.08	3773737.64	9.68033 (12033117)	414166.08	3773737.64	9.35797 (12033117)
414216.08	3773737.64	9.66087 (12033117)	414266.08	3773737.64	10.79573 (12033117)
414316.08	3773737.64	12.27893 (12033117)	414366.08	3773737.64	14.38406 (12033117)
414416.08	3773737.64	18.02911 (16093007)	414466.08	3773737.64	25.40027 (16093007)
414516.08	3773737.64	34.36445 (16093007)	414566.08	3773737.64	57.98021 (16093007)
414616.08	3773737.64	171.69981 (12033117)	414666.08	3773737.64	168.22483 (12031616)
414716.08	3773737.64	62.15710 (16093007)	414766.08	3773737.64	40.26184 (12071919)
414816.08	3773737.64	30.16254 (12071919)	414866.08	3773737.64	24.05298 (12071919)
414916.08	3773737.64	19.84345 (12071919)	414966.08	3773737.64	16.83763 (12071919)
415016.08	3773737.64	14.60158 (12071919)	414016.08	3773787.64	8.31670 (12033117)
414066.08	3773787.64	9.08092 (12033117)	414116.08	3773787.64	9.88956 (12033117)
414166.08	3773787.64	10.30336 (12033117)	414216.08	3773787.64	10.46176 (12033117)
414266.08	3773787.64	11.42821 (12033117)	414316.08	3773787.64	12.69920 (12033117)
414366.08	3773787.64	14.70011 (16093007)	414416.08	3773787.64	18.66514 (16093007)
414466.08	3773787.64	25.31146 (16093007)	414516.08	3773787.64	34.22339 (16093007)
414566.08	3773787.64	55.97305 (16093007)	414616.08	3773787.64	169.99030 (12033117)
414666.08	3773787.64	169.89865 (12031616)	414716.08	3773787.64	62.31305 (16093007)
414766.08	3773787.64	40.46442 (12071919)	414816.08	3773787.64	29.51274 (12071919)

*** AERMOD - VERSION 19191 *** *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc *** 05/24/21

*** AERMET - VERSION 16216 *** *** *** 12:11:05

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2 ***

INCLUDING SOURCE(S): L0008230 , L0008231 , L0008232 , L0008233 , L0008234 ,
L0008235 , L0008236 , L0008237 , L0008238 , L0008239 , L0008240 , L0008241 , L0008242 ,
L0008243 , L0008244 , L0008245 , L0008246 , L0008247 , L0008248 , L0008249 , L0008250 ,
L0008251 , L0008252 , L0008253 , L0008254 , L0008255 , L0008256 , L0008257 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
414866.08	3773787.64	24.09446	(12071919)	414916.08	3773787.64	19.97694	(12071919)
414966.08	3773787.64	17.03349	(12071919)	415016.08	3773787.64	14.72653	(12071919)
414016.08	3773837.64	8.29804	(12033117)	414066.08	3773837.64	9.06886	(12033117)
414116.08	3773837.64	9.98044	(12033117)	414166.08	3773837.64	11.07127	(12033117)
414216.08	3773837.64	12.39799	(12033117)	414266.08	3773837.64	13.58229	(12033117)
414316.08	3773837.64	14.38711	(12033117)	414366.08	3773837.64	17.12590	(12033117)
414416.08	3773837.64	19.66158	(16093007)	414466.08	3773837.64	25.14117	(16093007)
414516.08	3773837.64	33.91002	(16093007)	414566.08	3773837.64	52.94390	(16093007)
414616.08	3773837.64	168.37481	(12033117)	414666.08	3773837.64	171.64809	(12031616)
414716.08	3773837.64	62.33658	(16093007)	414766.08	3773837.64	40.63878	(12071919)
414816.08	3773837.64	30.69627	(12071919)	414866.08	3773837.64	24.31778	(12071919)
414916.08	3773837.64	19.98606	(12071919)	414966.08	3773837.64	17.00291	(12071919)
415016.08	3773837.64	14.74635	(12071919)	414016.08	3773887.64	8.29896	(12033117)
414066.08	3773887.64	9.06955	(12033117)	414116.08	3773887.64	9.97727	(12033117)
414166.08	3773887.64	11.06345	(12033117)	414216.08	3773887.64	12.38607	(12033117)
414266.08	3773887.64	14.03016	(12033117)	414316.08	3773887.64	16.12153	(12033117)
414366.08	3773887.64	18.87768	(12033117)	414416.08	3773887.64	22.29542	(12033117)
414466.08	3773887.64	27.28826	(16093007)	414516.08	3773887.64	33.54432	(16093007)
414566.08	3773887.64	51.10997	(16093007)	414616.08	3773887.64	166.76203	(12033117)
414666.08	3773887.64	173.46409	(12031616)	414716.08	3773887.64	62.43926	(12031616)
414766.08	3773887.64	41.41489	(12071919)	414816.08	3773887.64	31.17080	(12071919)
414866.08	3773887.64	24.51612	(12071919)	414916.08	3773887.64	20.19381	(12071919)
414966.08	3773887.64	17.05244	(12071919)	415016.08	3773887.64	14.76799	(12071919)
414016.08	3773937.64	8.29260	(12033117)	414066.08	3773937.64	9.06043	(12033117)
414116.08	3773937.64	9.96340	(12033117)	414166.08	3773937.64	11.03905	(12033117)
414216.08	3773937.64	12.35658	(12033117)	414266.08	3773937.64	14.00200	(12033117)
414316.08	3773937.64	16.08485	(12033117)	414666.08	3773937.64	174.81365	(12031616)
414716.08	3773937.64	62.65917	(12031616)	414766.08	3773937.64	40.81794	(12071919)
414816.08	3773937.64	30.91006	(12071919)	414866.08	3773937.64	24.42841	(12071919)
414916.08	3773937.64	19.55650	(12071919)	414966.08	3773937.64	17.11608	(12071919)
415016.08	3773937.64	14.79882	(12071919)	414016.08	3773987.64	8.28181	(12033117)
414066.08	3773987.64	9.04615	(12033117)	414116.08	3773987.64	9.94628	(12033117)
414166.08	3773987.64	11.02321	(12033117)	414216.08	3773987.64	12.33377	(12033117)
414266.08	3773987.64	13.96318	(12033117)	414316.08	3773987.64	16.57422	(12033117)
414666.08	3773987.64	176.53429	(12031616)	414716.08	3773987.64	62.84888	(12031616)
414766.08	3773987.64	41.50462	(12071919)	414816.08	3773987.64	31.04740	(12071919)
414866.08	3773987.64	24.55047	(12071919)	414916.08	3773987.64	20.20315	(12071919)
414966.08	3773987.64	17.08416	(12071919)	415016.08	3773987.64	14.80667	(12071919)
414016.08	3774037.64	8.26661	(12033117)	414066.08	3774037.64	9.02249	(12033117)
414116.08	3774037.64	9.92637	(12033117)	414166.08	3774037.64	10.99854	(12033117)

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2 ***

INCLUDING SOURCE(S): L0008230 , L0008231 , L0008232 , L0008233 , L0008234 , L0008235 , L0008236 , L0008237 , L0008238 , L0008239 , L0008240 , L0008241 , L0008242 , L0008243 , L0008244 , L0008245 , L0008246 , L0008247 , L0008248 , L0008249 , L0008250 ,

L0008251 , L0008252 , L0008253 , L0008254 , L0008255 , L0008256 , L0008257 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
414216.08	3774037.64	12.29429	(12033117)	414266.08	3774037.64	13.90398	(12033117)
414316.08	3774037.64	16.72055	(12033117)	414666.08	3774037.64	178.34812	(12031616)
414716.08	3774037.64	62.95076	(12031616)	414766.08	3774037.64	41.82087	(12071919)
414816.08	3774037.64	31.15453	(12071919)	414866.08	3774037.64	24.59628	(12071919)
414916.08	3774037.64	20.15897	(12071919)	414966.08	3774037.64	17.11273	(12071919)
415016.08	3774037.64	14.81825	(12071919)	414016.08	3774087.64	8.24122	(12033117)
414066.08	3774087.64	8.99250	(12033117)	414116.08	3774087.64	9.88209	(12033117)
414166.08	3774087.64	10.94233	(12033117)	414216.08	3774087.64	12.23042	(12033117)
414266.08	3774087.64	13.82486	(12033117)	414316.08	3774087.64	16.68826	(12033117)
414666.08	3774087.64	179.67668	(12031616)	414716.08	3774087.64	62.92774	(12031616)
414766.08	3774087.64	38.73050	(12071919)	414816.08	3774087.64	31.43524	(12071919)
414866.08	3774087.64	24.52144	(12071919)	414916.08	3774087.64	20.17266	(12071919)
414966.08	3774087.64	17.05166	(12071919)	415016.08	3774087.64	14.78196	(12071919)
414016.08	3774137.64	8.22030	(12033117)	414066.08	3774137.64	8.96838	(12033117)
414116.08	3774137.64	9.84552	(12033117)	414166.08	3774137.64	10.89543	(12033117)
414216.08	3774137.64	12.17514	(12033117)	414266.08	3774137.64	13.74474	(12033117)
414316.08	3774137.64	16.61741	(12033117)	414666.08	3774137.64	180.57960	(12031616)
414716.08	3774137.64	62.70664	(12031616)	414766.08	3774137.64	40.23909	(12071919)
414816.08	3774137.64	30.37176	(12071919)	414866.08	3774137.64	24.39776	(12071919)
414916.08	3774137.64	20.19136	(12071919)	414966.08	3774137.64	17.10298	(12071919)
415016.08	3774137.64	14.78807	(12071919)	414016.08	3774187.64	8.18784	(12033117)
414066.08	3774187.64	8.94237	(12033117)	414116.08	3774187.64	9.80267	(12033117)
414166.08	3774187.64	10.83922	(12033117)	414216.08	3774187.64	12.10556	(12033117)
414266.08	3774187.64	13.67403	(12033117)	414316.08	3774187.64	16.23941	(12033117)
414666.08	3774187.64	181.03633	(12031616)	414716.08	3774187.64	61.54837	(12121716)
414766.08	3774187.64	37.28408	(12071919)	414816.08	3774187.64	30.58706	(12071919)
414866.08	3774187.64	24.34887	(12071919)	414916.08	3774187.64	20.13515	(12071919)
414966.08	3774187.64	17.07569	(12071919)	415016.08	3774187.64	14.76774	(12071919)
414016.08	3774237.64	8.10920	(12033117)	414066.08	3774237.64	8.83565	(12033117)
414116.08	3774237.64	9.70625	(12033117)	414166.08	3774237.64	10.69600	(12033117)
414216.08	3774237.64	11.94138	(12033117)	414266.08	3774237.64	13.42719	(12033117)
414316.08	3774237.64	15.40562	(12033117)	414666.08	3774237.64	177.73033	(12031616)
414716.08	3774237.64	59.50341	(12121716)	414766.08	3774237.64	37.49740	(12071919)
414816.08	3774237.64	30.27470	(12071919)	414866.08	3774237.64	23.90172	(12071919)
414916.08	3774237.64	20.01385	(12071919)	414966.08	3774237.64	17.00133	(12071919)
415016.08	3774237.64	14.72995	(12071919)	414016.08	3774287.64	7.79205	(12033117)
414066.08	3774287.64	8.43391	(12033117)	414116.08	3774287.64	9.15442	(12033117)
414166.08	3774287.64	9.99778	(12033117)	414216.08	3774287.64	10.99260	(12033117)
414266.08	3774287.64	12.16231	(12033117)	414316.08	3774287.64	13.55474	(12033117)
414666.08	3774287.64	115.93063	(12071919)	414716.08	3774287.64	49.30511	(12071919)

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:

SLINE2 ***
INCLUDING SOURCE(S): L0008230 , L0008231 , L0008232 , L0008233 , L0008234 ,
L0008235 , L0008236 , L0008237 , L0008238 , L0008239 , L0008240 , L0008241 , L0008242 ,
L0008243 , L0008244 , L0008245 , L0008246 , L0008247 , L0008248 , L0008249 , L0008250 ,
L0008251 , L0008252 , L0008253 , L0008254 , L0008255 , L0008256 , L0008257 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
414766.08	3774287.64	35.70524	(12071919)	414816.08	3774287.64	29.63522	(12071919)
414866.08	3774287.64	23.26675	(12071919)	414916.08	3774287.64	19.81586	(12071919)
414966.08	3774287.64	16.89633	(12071919)	415016.08	3774287.64	14.67262	(12071919)
414016.08	3774337.64	6.78165	(12033117)	414066.08	3774337.64	7.13893	(12033117)
414116.08	3774337.64	7.50354	(12033117)	414166.08	3774337.64	7.86085	(12033117)
414216.08	3774337.64	8.21096	(12033117)	414266.08	3774337.64	8.49764	(12033117)
414316.08	3774337.64	8.70467	(12033117)	414366.08	3774337.64	10.94809	(15022217)
414416.08	3774337.64	14.03579	(15022217)	414466.08	3774337.64	18.53477	(15022217)
414516.08	3774337.64	25.74079	(15022217)	414566.08	3774337.64	36.07243	(15022217)
414666.08	3774337.64	61.44623	(16123116)	414716.08	3774337.64	38.50592	(16020617)
414766.08	3774337.64	26.94040	(16020617)	414816.08	3774337.64	25.71308	(12071919)
414866.08	3774337.64	21.55404	(12071919)	414916.08	3774337.64	19.27301	(12071919)
414966.08	3774337.64	16.65278	(12071919)	415016.08	3774337.64	14.56129	(12071919)
414016.08	3774387.64	4.81555	(12033117)	414066.08	3774387.64	4.77673	(12033117)
414116.08	3774387.64	5.15012	(16093007)	414166.08	3774387.64	5.65252	(16093007)
414216.08	3774387.64	6.23743	(16093007)	414266.08	3774387.64	6.92526	(16093007)
414316.08	3774387.64	8.71012	(15022217)	414366.08	3774387.64	10.98560	(15022217)
414416.08	3774387.64	13.96201	(15022217)	414466.08	3774387.64	18.21285	(15022217)
414516.08	3774387.64	24.21156	(15022217)	414566.08	3774387.64	28.81252	(15022217)
414616.08	3774387.64	38.91555	(16123116)	414666.08	3774387.64	47.73090	(16123116)
414716.08	3774387.64	28.10429	(16020617)	414766.08	3774387.64	24.57644	(16020617)
414816.08	3774387.64	18.50436	(16020617)	414866.08	3774387.64	17.63052	(12071919)
414916.08	3774387.64	17.03994	(12071919)	414966.08	3774387.64	15.70459	(12071919)
415016.08	3774387.64	14.16798	(12071919)	414016.08	3774437.64	4.09432	(16093007)
414066.08	3774437.64	4.43052	(16093007)	414116.08	3774437.64	4.81049	(16093007)
414166.08	3774437.64	5.24118	(16093007)	414216.08	3774437.64	5.73318	(16093007)
414266.08	3774437.64	7.00833	(15022217)	414316.08	3774437.64	8.81201	(15022217)
414366.08	3774437.64	10.99779	(15022217)	414416.08	3774437.64	13.85070	(15022217)
414466.08	3774437.64	17.68600	(15022217)	414516.08	3774437.64	21.62482	(15022217)
414566.08	3774437.64	21.54729	(12021917)	414616.08	3774437.64	32.34665	(16123116)
414666.08	3774437.64	39.22754	(16123116)	414716.08	3774437.64	24.81355	(15011116)
414766.08	3774437.64	20.85538	(16020617)	414816.08	3774437.64	17.55198	(16020617)
414866.08	3774437.64	13.78086	(16020617)	414916.08	3774437.64	13.05524	(12071919)
414966.08	3774437.64	13.48995	(12071919)	415016.08	3774437.64	13.04217	(12071919)
414016.08	3774487.64	3.86060	(16093007)	414066.08	3774487.64	4.15547	(16093007)
414116.08	3774487.64	4.48406	(16093007)	414166.08	3774487.64	4.85031	(16093007)
414216.08	3774487.64	5.65957	(15022217)	414266.08	3774487.64	7.16310	(15022217)
414316.08	3774487.64	8.89784	(15022217)	414366.08	3774487.64	11.00353	(15022217)
414416.08	3774487.64	13.66023	(15022217)	414466.08	3774487.64	16.69535	(15022217)
414516.08	3774487.64	18.28874	(15022217)	414566.08	3774487.64	19.87952	(12021917)

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2 ***

INCLUDING SOURCE(S): L0008230 , L0008231 , L0008232 , L0008233 , L0008234 , L0008235 , L0008236 , L0008237 , L0008238 , L0008239 , L0008240 , L0008241 , L0008242 , L0008243 , L0008244 , L0008245 , L0008246 , L0008247 , L0008248 , L0008249 , L0008250 , L0008251 , L0008252 , L0008253 , L0008254 , L0008255 , L0008256 , L0008257 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
414616.08	3774487.64	27.30628	(16123116)	414666.08	3774487.64	33.11165	(16123116)
414716.08	3774487.64	22.06418	(15011116)	414766.08	3774487.64	16.32311	(16020617)
414816.08	3774487.64	15.88509	(16020617)	414866.08	3774487.64	13.34313	(16020617)
414916.08	3774487.64	10.77802	(16020617)	414966.08	3774487.64	9.67985	(12071919)
415016.08	3774487.64	10.63865	(12071919)	414016.08	3774537.64	3.63503	(16093007)
414066.08	3774537.64	3.89221	(16093007)	414116.08	3774537.64	4.17478	(16093007)
414166.08	3774537.64	4.56631	(15022217)	414216.08	3774537.64	5.85259	(15022217)
414266.08	3774537.64	7.29031	(15022217)	414316.08	3774537.64	8.95481	(15022217)
414366.08	3774537.64	10.94697	(15022217)	414416.08	3774537.64	13.25199	(15022217)
414466.08	3774537.64	15.17173	(15022217)	414516.08	3774537.64	14.58732	(15022217)
414566.08	3774537.64	18.40147	(12021917)	414616.08	3774537.64	23.48424	(16123116)
414666.08	3774537.64	28.18687	(16123116)	414716.08	3774537.64	18.99166	(15011116)
414766.08	3774537.64	15.08149	(16013017)	414816.08	3774537.64	13.67055	(16020617)
414866.08	3774537.64	12.52904	(16020617)	414916.08	3774537.64	10.56831	(16020617)
414966.08	3774537.64	8.68288	(16020617)	415016.08	3774537.64	7.52053	(15102517)
414016.08	3774587.64	3.41930	(16093007)	414066.08	3774587.64	3.64270	(16093007)
414116.08	3774587.64	3.88494	(16093007)	414166.08	3774587.64	4.77566	(15022217)
414216.08	3774587.64	6.01558	(15022217)	414266.08	3774587.64	7.39449	(15022217)
414316.08	3774587.64	8.97884	(15022217)	414366.08	3774587.64	10.78569	(15022217)
414416.08	3774587.64	12.52609	(15022217)	414466.08	3774587.64	13.16346	(15022217)
414516.08	3774587.64	11.14300	(15022217)	414566.08	3774587.64	16.92150	(12021917)
414616.08	3774587.64	20.45351	(16123116)	414666.08	3774587.64	24.35297	(16123116)
414716.08	3774587.64	16.11996	(15011116)	414766.08	3774587.64	14.12794	(16013017)
414816.08	3774587.64	11.24227	(16020617)	414866.08	3774587.64	11.34593	(16020617)
414916.08	3774587.64	10.15054	(16020617)	414966.08	3774587.64	8.59494	(16020617)
415016.08	3774587.64	7.12820	(16020617)	414016.08	3774637.64	3.21503	(16093007)
414066.08	3774637.64	3.50155	(12022623)	414116.08	3774637.64	3.87773	(15022217)
414166.08	3774637.64	4.95404	(15022217)	414216.08	3774637.64	6.14768	(15022217)
414266.08	3774637.64	7.46378	(15022217)	414316.08	3774637.64	8.93512	(15022217)
414366.08	3774637.64	10.45328	(15022217)	414416.08	3774637.64	11.48833	(15022217)
414466.08	3774637.64	11.05066	(15022217)	414516.08	3774637.64	10.69590	(12021917)
414566.08	3774637.64	15.53386	(12021917)	414616.08	3774637.64	18.01814	(16123116)
414666.08	3774637.64	21.35272	(16123116)	414716.08	3774637.64	13.61939	(15011116)
414766.08	3774637.64	13.01367	(16013017)	414816.08	3774637.64	10.22525	(16013017)
414866.08	3774637.64	9.92286	(16020617)	414916.08	3774637.64	9.49747	(16020617)
414966.08	3774637.64	8.37925	(16020617)	415016.08	3774637.64	7.10715	(16020617)
414361.21	3774308.59	12.84363	(12033117)	414586.99	3774306.89	45.58861	(15022217)
414586.99	3774347.63	36.96412	(15022217)	414636.22	3774347.63	64.22864	(16123116)
414629.43	3773930.02	117.14912	(16093007)	414359.51	3773930.02	18.43067	(12033117)

414406.37 3774308.25 13.93413 (12033117) 414451.52 3774307.91 17.14253 (15022217)
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2 ***
INCLUDING SOURCE(S): L0008230 , L0008231 , L0008232 , L0008233 , L0008234 ,
L0008235 , L0008236 , L0008237 , L0008238 , L0008239 , L0008240 , L0008241 , L0008242 ,
L0008243 , L0008244 , L0008245 , L0008246 , L0008247 , L0008248 , L0008249 , L0008250 ,
L0008251 , L0008252 , L0008253 , L0008254 , L0008255 , L0008256 , L0008257 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
414496.68	3774307.57	22.84786	(15022217)	414541.83	3774307.23	32.38570	(15022217)
414635.47	3774301.23	111.22167	(16123116)	414634.71	3774254.83	142.64256	(16123116)
414633.96	3774208.43	117.43000	(16123116)	414633.20	3774162.03	161.19056	(16093007)
414632.45	3774115.62	116.79226	(16123116)	414631.69	3774069.22	165.12771	(16093007)
414630.94	3774022.82	115.96535	(12021515)	414630.18	3773976.42	144.76364	(12021515)
414584.44	3773930.02	71.81698	(16093007)	414539.46	3773930.02	41.30248	(16093007)
414494.47	3773930.02	31.72498	(16093007)	414449.48	3773930.02	24.75660	(12033117)
414404.50	3773930.02	21.60238	(12033117)	414359.72	3773977.34	18.39071	(12033117)
414359.94	3774024.66	18.25832	(12033117)	414360.15	3774071.98	18.26864	(12033117)
414360.36	3774119.31	18.19130	(12033117)	414360.57	3774166.63	18.85471	(12033117)
414360.79	3774213.95	18.71374	(12033117)	414361.00	3774261.27	17.06420	(12033117)
414651.22	3774193.13	119.49358	(16123116)	414651.22	3774219.08	144.81068	(16123116)
414651.87	3774247.64	116.74651	(16123116)	414651.87	3774278.78	125.88909	(16123116)
414651.87	3774298.90	121.58716	(16123116)	414652.52	3774320.31	85.33156	(16123116)
414651.87	3774365.09	58.90800	(16123116)	414653.17	3774345.62	66.82528	(16123116)
414649.27	3774056.86	137.94628	(16123116)	414651.22	3774134.08	126.29061	(16123116)
414650.57	3774166.52	139.37553	(16123116)	414647.97	3774014.03	146.18781	(12042618)
414248.25	3774308.63	10.61369	(12033117)	414246.95	3774293.71	11.41248	(12033117)
414246.30	3774277.48	12.04103	(12033117)	414246.30	3774261.91	12.44691	(12033117)
414246.95	3774244.39	12.73782	(12033117)	414245.65	3774234.01	12.79800	(12033117)
414246.30	3774219.73	12.90645	(12033117)	414245.65	3774206.11	12.93533	(12033117)
414245.00	3774187.94	12.95810	(12033117)	414244.36	3774168.47	12.97417	(12033117)
414244.36	3774156.14	12.99376	(12033117)	414244.36	3774136.02	13.03171	(12033117)
414241.76	3774052.96	13.07628	(12033117)	414242.41	3774036.74	13.11091	(12033117)
414243.06	3774017.27	13.14832	(12033117)	414243.06	3773979.64	13.17596	(12033117)
414239.81	3773932.92	13.09850	(12033117)	414239.16	3773893.33	13.09775	(12033117)
414646.03	3773967.31	134.76936	(16123116)	414647.97	3773917.34	124.86101	(12042618)
414646.03	3773895.93	127.38601	(16123116)	414646.68	3773877.11	127.08931	(16123116)
414646.68	3773841.42	123.55606	(16123116)	414644.73	3773799.89	140.40587	(16123116)
414649.92	3774091.90	142.73700	(16123116)	414651.87	3774207.40	125.68139	(16123116)
414647.28	3773769.60	122.53278	(16093007)	414647.28	3773722.90	157.51406	(12042618)
414588.50	3773543.39	91.44964	(12033117)	414530.55	3773519.46	44.01033	(16093007)
414486.45	3773503.08	31.63834	(16093007)	414427.23	3773494.26	23.77550	(12033117)
414356.68	3773470.32	18.37911	(12033117)	414273.52	3773436.30	14.34236	(12033117)
414053.04	3773606.39	8.89115	(12033117)	414834.19	3774266.59	27.41457	(12071919)

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*** 05/24/21
*** AERMET - VERSION 16216 *** *** *** 12:11:05
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE3 ***
INCLUDING SOURCE(S): L0008386 , L0008387 , L0008388 , L0008389 , L0008390 ,
L0008391 , L0008392 , L0008393 , L0008394 , L0008395 , L0008396 , L0008397 , L0008398 ,
L0008399 , L0008400 , L0008401 , L0008402 , L0008403 , L0008404 , L0008405 , L0008406 ,
L0008407 , L0008408 , L0008409 , L0008410 , L0008411 , L0008412 , L0008413 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
414016.08	3773637.64	4.50637	(16093007)	414066.08	3773637.64	4.54087	(16093007)
414116.08	3773637.64	4.51215	(16093007)	414166.08	3773637.64	4.47616	(16093007)
414216.08	3773637.64	4.49061	(12111715)	414266.08	3773637.64	4.40381	(12021515)
414316.08	3773637.64	4.31078	(12021515)	414366.08	3773637.64	4.21104	(12021515)
414416.08	3773637.64	3.99380	(16093007)	414466.08	3773637.64	4.17685	(16093007)
414516.08	3773637.64	4.13969	(12042618)	414566.08	3773637.64	4.25077	(12042618)
414616.08	3773637.64	4.28397	(12042618)	414666.08	3773637.64	4.34065	(12042618)
414716.08	3773637.64	4.55040	(12042618)	414766.08	3773637.64	5.00089	(12042618)
414816.08	3773637.64	5.52981	(12042618)	414866.08	3773637.64	5.63253	(12042618)
414916.08	3773637.64	5.49307	(12120216)	414966.08	3773637.64	5.77948	(12120216)
415016.08	3773637.64	5.08683	(12120216)	414016.08	3773687.64	4.95027	(16093007)
414066.08	3773687.64	4.99083	(16093007)	414116.08	3773687.64	4.88078	(16093007)
414166.08	3773687.64	4.56171	(16093007)	414216.08	3773687.64	4.48396	(16093007)
414266.08	3773687.64	4.36997	(16093007)	414316.08	3773687.64	4.33170	(12021515)
414366.08	3773687.64	4.55524	(12021515)	414416.08	3773687.64	4.36726	(16093007)
414466.08	3773687.64	4.56702	(16093007)	414516.08	3773687.64	4.48364	(16093007)
414566.08	3773687.64	4.54002	(12042618)	414616.08	3773687.64	4.59228	(12042618)
414666.08	3773687.64	4.68181	(12042618)	414716.08	3773687.64	4.98356	(12042618)
414766.08	3773687.64	5.57699	(12042618)	414816.08	3773687.64	6.13637	(12042618)
414866.08	3773687.64	5.99178	(12042618)	414916.08	3773687.64	6.25724	(12120216)
414966.08	3773687.64	6.11762	(12120216)	415016.08	3773687.64	4.77979	(12120216)
414016.08	3773737.64	5.46460	(16093007)	414066.08	3773737.64	5.51355	(16093007)
414116.08	3773737.64	5.38459	(16093007)	414166.08	3773737.64	4.99311	(16093007)
414216.08	3773737.64	4.74816	(16093007)	414266.08	3773737.64	4.72941	(16093007)
414316.08	3773737.64	4.69278	(16093007)	414366.08	3773737.64	4.93865	(12021515)
414416.08	3773737.64	4.99658	(12021515)	414466.08	3773737.64	5.02281	(16093007)
414516.08	3773737.64	4.93670	(16093007)	414566.08	3773737.64	4.93418	(16093007)
414616.08	3773737.64	4.94825	(12042618)	414666.08	3773737.64	5.08547	(12042618)
414716.08	3773737.64	5.52353	(12042618)	414766.08	3773737.64	6.28544	(12042618)
414816.08	3773737.64	6.80315	(12042618)	414866.08	3773737.64	6.47260	(12120216)
414916.08	3773737.64	6.99809	(12120216)	414966.08	3773737.64	6.14714	(12120216)
415016.08	3773737.64	4.86461	(12111716)	414016.08	3773787.64	6.06472	(16093007)
414066.08	3773787.64	6.12305	(16093007)	414116.08	3773787.64	6.07665	(16093007)
414166.08	3773787.64	5.85302	(16093007)	414216.08	3773787.64	5.57367	(16093007)
414266.08	3773787.64	5.50168	(16093007)	414316.08	3773787.64	5.41482	(16093007)
414366.08	3773787.64	5.36336	(16093007)	414416.08	3773787.64	5.83225	(12021515)

414466.08	3773787.64	5.56181 (16093007)	414516.08	3773787.64	5.46269 (16093007)
414566.08	3773787.64	5.43750 (16093007)	414616.08	3773787.64	5.36287 (12042618)
414666.08	3773787.64	5.57517 (12042618)	414716.08	3773787.64	6.20911 (12042618)
414766.08	3773787.64	7.15370 (12042618)	414816.08	3773787.64	7.48635 (12042618)

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*** AERMET - VERSION 16216 *** *** *** 12:11:05

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE3 ***

INCLUDING SOURCE(S): L0008386 , L0008387 , L0008388 , L0008389 , L0008390 ,
L0008391 , L0008392 , L0008393 , L0008394 , L0008395 , L0008396 , L0008397 , L0008398 ,
L0008399 , L0008400 , L0008401 , L0008402 , L0008403 , L0008404 , L0008405 , L0008406 ,
L0008407 , L0008408 , L0008409 , L0008410 , L0008411 , L0008412 , L0008413 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
414866.08	3773787.64	7.57626 (12120216)	414916.08	3773787.64	7.53792 (12120216)
414966.08	3773787.64	5.75243 (12120216)	415016.08	3773787.64	4.87916 (12111716)
414016.08	3773837.64	6.77777 (16093007)	414066.08	3773837.64	6.84518 (16093007)
414116.08	3773837.64	6.88900 (16093007)	414166.08	3773837.64	6.91088 (16093007)
414216.08	3773837.64	6.91176 (16093007)	414266.08	3773837.64	6.71886 (16093007)
414316.08	3773837.64	6.45555 (16093007)	414366.08	3773837.64	6.48326 (16093007)
414416.08	3773837.64	6.68732 (12021515)	414466.08	3773837.64	6.45013 (12021515)
414516.08	3773837.64	6.08297 (16093007)	414566.08	3773837.64	5.99623 (16093007)
414616.08	3773837.64	5.96816 (16093007)	414666.08	3773837.64	6.18619 (12042618)
414716.08	3773837.64	7.09697 (12042618)	414766.08	3773837.64	8.20343 (12042618)
414816.08	3773837.64	8.14934 (12042618)	414866.08	3773837.64	8.71905 (12120216)
414916.08	3773837.64	7.64007 (12120216)	414966.08	3773837.64	5.85991 (12111716)
415016.08	3773837.64	5.23818 (14120116)	414016.08	3773887.64	7.62454 (16093007)
414066.08	3773887.64	7.70414 (16093007)	414116.08	3773887.64	7.75840 (16093007)
414166.08	3773887.64	7.78620 (16093007)	414216.08	3773887.64	7.78835 (16093007)
414266.08	3773887.64	7.76249 (16093007)	414316.08	3773887.64	7.71060 (16093007)
414366.08	3773887.64	7.63056 (16093007)	414416.08	3773887.64	7.65543 (12021515)
414466.08	3773887.64	7.98896 (12021515)	414516.08	3773887.64	6.83521 (16093007)
414566.08	3773887.64	6.67825 (16093007)	414616.08	3773887.64	6.71725 (16093007)
414666.08	3773887.64	6.97274 (12042618)	414716.08	3773887.64	8.26701 (12042618)
414766.08	3773887.64	9.43768 (12042618)	414816.08	3773887.64	9.43202 (12120216)
414866.08	3773887.64	9.61777 (12120216)	414916.08	3773887.64	7.10614 (12120216)
414966.08	3773887.64	5.97787 (14120116)	415016.08	3773887.64	6.15545 (14120116)
414016.08	3773937.64	8.65126 (16093007)	414066.08	3773937.64	8.74348 (16093007)
414116.08	3773937.64	8.80889 (16093007)	414166.08	3773937.64	8.84409 (16093007)
414216.08	3773937.64	8.84970 (16093007)	414266.08	3773937.64	8.82323 (16093007)
414316.08	3773937.64	8.77151 (16093007)	414666.08	3773937.64	8.02345 (12042618)
414716.08	3773937.64	9.82384 (12042618)	414766.08	3773937.64	10.81046 (12042618)
414816.08	3773937.64	11.29447 (12120216)	414866.08	3773937.64	9.86320 (12120216)
414916.08	3773937.64	7.16389 (12111716)	414966.08	3773937.64	7.40829 (12031616)
415016.08	3773937.64	7.67608 (12031616)	414016.08	3773987.64	9.90972 (16093007)
414066.08	3773987.64	10.01856 (16093007)	414116.08	3773987.64	10.09451 (16093007)

414166.08	3773987.64	10.13776 (16093007)	414216.08	3773987.64	10.15007 (16093007)
414266.08	3773987.64	10.13085 (16093007)	414316.08	3773987.64	10.09061 (16093007)
414666.08	3773987.64	9.48209 (12042618)	414716.08	3773987.64	11.89461 (12042618)
414766.08	3773987.64	12.19897 (12120216)	414816.08	3773987.64	12.89664 (12120216)
414866.08	3773987.64	9.09131 (12120216)	414916.08	3773987.64	9.04647 (12031616)
414966.08	3773987.64	9.25263 (12031616)	415016.08	3773987.64	9.46305 (12031616)
414016.08	3774037.64	11.48469 (16093007)	414066.08	3774037.64	11.61690 (16093007)
414116.08	3774037.64	11.70702 (16093007)	414166.08	3774037.64	11.76123 (16093007)

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*** AERMET - VERSION 16216 *** *** *** 12:11:05

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE3 ***

INCLUDING SOURCE(S): L0008386 , L0008387 , L0008388 , L0008389 , L0008390 , L0008391 , L0008392 , L0008393 , L0008394 , L0008395 , L0008396 , L0008397 , L0008398 , L0008399 , L0008400 , L0008401 , L0008402 , L0008403 , L0008404 , L0008405 , L0008406 , L0008407 , L0008408 , L0008409 , L0008410 , L0008411 , L0008412 , L0008413 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
414216.08	3774037.64	11.78135 (16093007)	414266.08	3774037.64	11.76632 (16093007)
414316.08	3774037.64	11.73448 (16093007)	414666.08	3774037.64	11.60749 (12042618)
414716.08	3774037.64	14.59916 (12042618)	414766.08	3774037.64	15.50499 (12120216)
414816.08	3774037.64	13.45221 (12120216)	414866.08	3774037.64	10.98383 (12031616)
414916.08	3774037.64	11.15341 (12031616)	414966.08	3774037.64	11.42450 (12031616)
415016.08	3774037.64	11.86141 (12031616)	414016.08	3774087.64	13.50644 (16093007)
414066.08	3774087.64	13.65629 (16093007)	414116.08	3774087.64	13.76469 (16093007)
414166.08	3774087.64	13.83085 (16093007)	414216.08	3774087.64	13.86316 (16093007)
414266.08	3774087.64	13.86230 (16093007)	414316.08	3774087.64	13.83980 (16093007)
414666.08	3774087.64	14.82006 (12042618)	414716.08	3774087.64	17.94197 (12042618)
414766.08	3774087.64	18.63359 (12120216)	414816.08	3774087.64	13.42255 (12031616)
414866.08	3774087.64	13.65424 (12031616)	414916.08	3774087.64	14.20444 (12031616)
414966.08	3774087.64	15.07094 (12031616)	415016.08	3774087.64	16.07357 (12031616)
414016.08	3774137.64	16.18758 (16093007)	414066.08	3774137.64	16.36187 (16093007)
414116.08	3774137.64	16.48698 (16093007)	414166.08	3774137.64	16.57374 (16093007)
414216.08	3774137.64	16.62187 (16093007)	414266.08	3774137.64	16.63508 (16093007)
414316.08	3774137.64	16.62603 (16093007)	414666.08	3774137.64	19.85179 (12042618)
414716.08	3774137.64	23.13250 (12120216)	414766.08	3774137.64	19.87493 (12120216)
414816.08	3774137.64	17.48611 (12031616)	414866.08	3774137.64	18.78667 (12031616)
414916.08	3774137.64	20.35579 (12031616)	414966.08	3774137.64	21.62398 (12031616)
415016.08	3774137.64	22.18759 (12031616)	414016.08	3774187.64	19.89648 (16093007)
414066.08	3774187.64	20.10938 (16093007)	414116.08	3774187.64	20.25628 (16093007)
414166.08	3774187.64	20.36845 (16093007)	414216.08	3774187.64	20.43759 (16093007)
414266.08	3774187.64	20.47409 (16093007)	414316.08	3774187.64	20.49790 (16093007)
414666.08	3774187.64	30.25872 (12042618)	414716.08	3774187.64	31.19814 (12120216)
414766.08	3774187.64	24.82624 (12031616)	414816.08	3774187.64	27.44219 (12031616)
414866.08	3774187.64	29.34701 (12031616)	414916.08	3774187.64	29.82367 (12031616)
414966.08	3774187.64	28.75931 (12031616)	415016.08	3774187.64	26.31960 (12031616)

414016.08	3774237.64	25.40422 (16093007)	414066.08	3774237.64	25.65220 (16093007)
414116.08	3774237.64	25.83746 (16093007)	414166.08	3774237.64	25.99197 (16093007)
414216.08	3774237.64	26.22336 (12031616)	414266.08	3774237.64	26.85656 (12031616)
414316.08	3774237.64	27.33859 (12031616)	414666.08	3774237.64	62.67776 (12042618)
414716.08	3774237.64	45.08331 (12031616)	414766.08	3774237.64	44.14164 (12031616)
414816.08	3774237.64	43.38680 (12031616)	414866.08	3774237.64	40.40391 (12031616)
414916.08	3774237.64	35.48616 (12031616)	414966.08	3774237.64	33.04918 (12120116)
415016.08	3774237.64	31.00397 (12120116)	414016.08	3774287.64	35.73276 (12031616)
414066.08	3774287.64	37.10649 (12031616)	414116.08	3774287.64	38.03918 (12031616)
414166.08	3774287.64	38.67275 (12031616)	414216.08	3774287.64	39.15509 (12031616)
414266.08	3774287.64	39.48989 (12031616)	414316.08	3774287.64	39.79293 (12031616)
414666.08	3774287.64	194.81396 (12031616)	414716.08	3774287.64	86.46347 (12031616)

*** AERMOD - VERSION 19191 *** *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc *** 05/24/21
*** AERMET - VERSION 16216 *** *** *** 12:11:05

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE3 ***

INCLUDING SOURCE(S): L0008386 , L0008387 , L0008388 , L0008389 , L0008390 ,
L0008391 , L0008392 , L0008393 , L0008394 , L0008395 , L0008396 , L0008397 , L0008398 ,
L0008399 , L0008400 , L0008401 , L0008402 , L0008403 , L0008404 , L0008405 , L0008406 ,
L0008407 , L0008408 , L0008409 , L0008410 , L0008411 , L0008412 , L0008413 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
414766.08	3774287.64	62.51604 (12031616)	414816.08	3774287.64	54.87029 (12120116)
414866.08	3774287.64	48.71909 (12120116)	414916.08	3774287.64	42.89314 (12120116)
414966.08	3774287.64	37.17005 (12120116)	415016.08	3774287.64	31.84334 (12120116)
414016.08	3774337.64	57.87724 (12031616)	414066.08	3774337.64	58.56311 (12031616)
414116.08	3774337.64	59.09737 (12031616)	414166.08	3774337.64	59.58346 (12120116)
414216.08	3774337.64	61.47707 (12120116)	414266.08	3774337.64	62.47799 (12120116)
414316.08	3774337.64	63.53337 (12120116)	414366.08	3774337.64	64.50878 (12120116)
414416.08	3774337.64	65.47517 (12120116)	414466.08	3774337.64	66.53578 (12120116)
414516.08	3774337.64	68.37200 (12120116)	414566.08	3774337.64	71.64200 (12120116)
414666.08	3774337.64	139.67968 (12031616)	414716.08	3774337.64	108.43270 (12120116)
414766.08	3774337.64	75.68864 (12120116)	414816.08	3774337.64	59.56959 (12120116)
414866.08	3774337.64	46.96368 (12120116)	414916.08	3774337.64	36.66925 (12120116)
414966.08	3774337.64	28.60988 (12120116)	415016.08	3774337.64	22.38456 (12120116)
414016.08	3774387.64	145.07609 (12031616)	414066.08	3774387.64	148.03637 (12031616)
414116.08	3774387.64	151.44044 (12031616)	414166.08	3774387.64	155.67513 (12120116)
414216.08	3774387.64	159.59542 (12031616)	414266.08	3774387.64	162.94652 (12031616)
414316.08	3774387.64	167.53083 (12031616)	414366.08	3774387.64	172.80130 (12120116)
414416.08	3774387.64	175.50322 (12120116)	414466.08	3774387.64	181.58114 (12031616)
414516.08	3774387.64	188.43378 (12120116)	414566.08	3774387.64	195.82790 (12031616)
414616.08	3774387.64	207.87831 (12120116)	414666.08	3774387.64	199.97111 (12120116)
414716.08	3774387.64	99.64061 (12120116)	414766.08	3774387.64	54.90685 (12120116)
414816.08	3774387.64	37.31863 (14120316)	414866.08	3774387.64	30.40872 (12102016)
414916.08	3774387.64	26.30695 (12102016)	414966.08	3774387.64	23.12433 (12102016)
415016.08	3774387.64	20.59479 (12102016)	414016.08	3774437.64	182.01816 (12033117)

414066.08	3774437.64	176.09557 (12033117)	414116.08	3774437.64	173.22015 (12033117)
414166.08	3774437.64	167.14365 (12033117)	414216.08	3774437.64	161.62956 (12033117)
414266.08	3774437.64	155.52589 (12033117)	414316.08	3774437.64	151.27154 (12043018)
414366.08	3774437.64	148.56216 (12043018)	414416.08	3774437.64	144.98281 (12043018)
414466.08	3774437.64	141.72445 (12043018)	414516.08	3774437.64	138.16145 (12043018)
414566.08	3774437.64	136.36185 (12043018)	414616.08	3774437.64	132.91574 (12043018)
414666.08	3774437.64	116.70982 (12043018)	414716.08	3774437.64	79.12771 (12043018)
414766.08	3774437.64	55.65744 (12043018)	414816.08	3774437.64	42.32325 (12043018)
414866.08	3774437.64	33.63393 (14120316)	414916.08	3774437.64	27.99450 (14120316)
414966.08	3774437.64	23.70088 (14120316)	415016.08	3774437.64	20.34143 (14120316)
414016.08	3774487.64	64.04091 (12043018)	414066.08	3774487.64	64.86841 (12043018)
414116.08	3774487.64	64.16694 (12043018)	414166.08	3774487.64	65.41877 (12043018)
414216.08	3774487.64	65.07871 (12043018)	414266.08	3774487.64	65.46135 (12043018)
414316.08	3774487.64	65.40615 (12043018)	414366.08	3774487.64	64.78088 (12043018)
414416.08	3774487.64	65.17333 (12043018)	414466.08	3774487.64	64.17144 (12043018)
414516.08	3774487.64	64.00930 (12043018)	414566.08	3774487.64	62.30040 (12043018)

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE3 ***

INCLUDING SOURCE(S): L0008386 , L0008387 , L0008388 , L0008389 , L0008390 ,
L0008391 , L0008392 , L0008393 , L0008394 , L0008395 , L0008396 , L0008397 , L0008398 ,
L0008399 , L0008400 , L0008401 , L0008402 , L0008403 , L0008404 , L0008405 , L0008406 ,
L0008407 , L0008408 , L0008409 , L0008410 , L0008411 , L0008412 , L0008413 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
414616.08	3774487.64	61.34497 (12043018)	414666.08	3774487.64	59.27594 (12043018)
414716.08	3774487.64	56.78603 (12043018)	414766.08	3774487.64	49.52685 (12043018)
414816.08	3774487.64	44.43748 (12043018)	414866.08	3774487.64	37.49107 (12043018)
414916.08	3774487.64	31.32541 (12043018)	414966.08	3774487.64	26.20527 (12043018)
415016.08	3774487.64	21.81780 (12043018)	414016.08	3774537.64	40.13113 (12121716)
414066.08	3774537.64	40.51100 (12121716)	414116.08	3774537.64	40.50901 (12121716)
414166.08	3774537.64	40.61820 (12121716)	414216.08	3774537.64	40.43761 (12121716)
414266.08	3774537.64	40.20050 (12121716)	414316.08	3774537.64	39.91422 (12121716)
414366.08	3774537.64	39.91142 (12121716)	414416.08	3774537.64	39.43858 (12121716)
414466.08	3774537.64	39.14659 (12121716)	414516.08	3774537.64	38.76335 (12121716)
414566.08	3774537.64	38.46853 (12121716)	414616.08	3774537.64	37.73601 (12121716)
414666.08	3774537.64	36.40584 (12121716)	414716.08	3774537.64	35.39109 (12121716)
414766.08	3774537.64	34.50080 (12043018)	414816.08	3774537.64	33.67490 (12043018)
414866.08	3774537.64	32.09398 (12043018)	414916.08	3774537.64	29.95641 (12043018)
414966.08	3774537.64	27.33224 (12043018)	415016.08	3774537.64	24.58668 (12043018)
414016.08	3774587.64	27.94779 (12071919)	414066.08	3774587.64	27.97815 (12071919)
414116.08	3774587.64	27.91996 (12071919)	414166.08	3774587.64	27.78558 (12071919)
414216.08	3774587.64	27.65734 (12071919)	414266.08	3774587.64	27.50447 (12071919)
414316.08	3774587.64	27.48664 (12121716)	414366.08	3774587.64	27.43923 (12121716)
414416.08	3774587.64	27.35496 (12121716)	414466.08	3774587.64	27.20862 (12121716)

414516.08	3774587.64	27.03363 (12121716)	414566.08	3774587.64	26.82429 (12121716)
414616.08	3774587.64	26.51379 (12121716)	414666.08	3774587.64	26.12377 (12121716)
414716.08	3774587.64	25.71025 (12121716)	414766.08	3774587.64	25.30503 (12121716)
414816.08	3774587.64	24.96504 (12121716)	414866.08	3774587.64	24.33973 (12121716)
414916.08	3774587.64	23.80840 (12043018)	414966.08	3774587.64	23.21155 (12043018)
415016.08	3774587.64	22.32292 (12043018)	414016.08	3774637.64	20.87542 (12071919)
414066.08	3774637.64	21.29173 (12071919)	414116.08	3774637.64	21.47515 (12071919)
414166.08	3774637.64	21.52643 (12071919)	414216.08	3774637.64	21.50527 (12071919)
414266.08	3774637.64	21.42238 (12071919)	414316.08	3774637.64	21.33355 (12071919)
414366.08	3774637.64	21.24358 (12071919)	414416.08	3774637.64	21.16009 (12071919)
414466.08	3774637.64	21.06021 (12071919)	414516.08	3774637.64	20.93682 (12071919)
414566.08	3774637.64	20.78111 (12071919)	414616.08	3774637.64	20.58486 (12071919)
414666.08	3774637.64	20.35924 (12071919)	414716.08	3774637.64	20.15373 (12071919)
414766.08	3774637.64	19.97028 (12071919)	414816.08	3774637.64	19.74740 (12071919)
414866.08	3774637.64	19.50787 (12121716)	414916.08	3774637.64	19.27345 (12121716)
414966.08	3774637.64	18.79395 (12121716)	415016.08	3774637.64	18.07031 (12043018)
414361.21	3774308.59	47.38598 (12031616)	414586.99	3774306.89	59.86254 (16093007)
414586.99	3774347.63	83.50789 (12120116)	414636.22	3774347.63	100.65375 (16093007)
414629.43	3773930.02	7.40081 (16093007)	414359.51	3773930.02	8.52182 (16093007)
414406.37	3774308.25	47.56912 (12031616)	414451.52	3774307.91	47.95283 (12120116)

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*** AERMET - VERSION 16216 *** *** *** 12:11:05

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE3 ***

INCLUDING SOURCE(S): L0008386 , L0008387 , L0008388 , L0008389 , L0008390 ,
L0008391 , L0008392 , L0008393 , L0008394 , L0008395 , L0008396 , L0008397 , L0008398 ,
L0008399 , L0008400 , L0008401 , L0008402 , L0008403 , L0008404 , L0008405 , L0008406 ,
L0008407 , L0008408 , L0008409 , L0008410 , L0008411 , L0008412 , L0008413 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
414496.68	3774307.57	49.10346 (12120116)	414541.83	3774307.23	51.14128 (12120116)
414635.47	3774301.23	128.67576 (12021515)	414634.71	3774254.83	90.80143 (12021515)
414633.96	3774208.43	28.38625 (12021515)	414633.20	3774162.03	19.45883 (12031616)
414632.45	3774115.62	15.09449 (12031616)	414631.69	3774069.22	11.70702 (12031616)
414630.94	3774022.82	9.75695 (16093007)	414630.18	3773976.42	8.42844 (16093007)
414584.44	3773930.02	7.59853 (16093007)	414539.46	3773930.02	7.65699 (16093007)
414494.47	3773930.02	8.74142 (12021515)	414449.48	3773930.02	8.67571 (12021515)
414404.50	3773930.02	8.44872 (12111715)	414359.72	3773977.34	9.71460 (16093007)
414359.94	3774024.66	11.11832 (16093007)	414360.15	3774071.98	13.02407 (16093007)
414360.36	3774119.31	15.45326 (16093007)	414360.57	3774166.63	18.70269 (16093007)
414360.79	3774213.95	24.00587 (12031616)	414361.00	3774261.27	32.68713 (12031616)
414651.22	3774193.13	28.27094 (12042618)	414651.22	3774219.08	40.05394 (12042618)
414651.87	3774247.64	75.28477 (12042618)	414651.87	3774278.78	114.84370 (12042618)
414651.87	3774298.90	122.96463 (12042618)	414652.52	3774320.31	76.06057 (12042618)
414651.87	3774365.09	114.04176 (12120116)	414653.17	3774345.62	100.34395 (16093007)
414649.27	3774056.86	11.48586 (12042618)	414651.22	3774134.08	17.39868 (12042618)

414650.57	3774166.52	21.80711 (12042618)	414647.97	3774014.03	9.63067 (12042618)
414248.25	3774308.63	46.68742 (12031616)	414246.95	3774293.71	41.35099 (12031616)
414246.30	3774277.48	36.25131 (12031616)	414246.30	3774261.91	32.01560 (12031616)
414246.95	3774244.39	28.01891 (12031616)	414245.65	3774234.01	25.90784 (12031616)
414246.30	3774219.73	23.81006 (16093007)	414245.65	3774206.11	22.27671 (16093007)
414245.00	3774187.94	20.48539 (16093007)	414244.36	3774168.47	18.82719 (16093007)
414244.36	3774156.14	17.89251 (16093007)	414244.36	3774136.02	16.52539 (16093007)
414241.76	3774052.96	12.35649 (16093007)	414242.41	3774036.74	11.74023 (16093007)
414243.06	3774017.27	11.06192 (16093007)	414243.06	3773979.64	9.91350 (16093007)
414239.81	3773932.92	8.72985 (16093007)	414239.16	3773893.33	7.88891 (16093007)
414646.03	3773967.31	8.21293 (12042618)	414647.97	3773917.34	7.19893 (12042618)
414646.03	3773895.93	6.80543 (12042618)	414646.68	3773877.11	6.52523 (12042618)
414646.68	3773841.42	6.04678 (12042618)	414644.73	3773799.89	5.56921 (12042618)
414649.92	3774091.90	13.60632 (12042618)	414651.87	3774207.40	33.95417 (12042618)
414647.28	3773769.60	5.28694 (12042618)	414647.28	3773722.90	4.89140 (12042618)
414588.50	3773543.39	3.79468 (12042618)	414530.55	3773519.46	3.68689 (12042618)
414486.45	3773503.08	3.61666 (12042618)	414427.23	3773494.26	3.57863 (12042618)
414356.68	3773470.32	3.48119 (12042618)	414273.52	3773436.30	3.63160 (12021515)
414053.04	3773606.39	4.28355 (16093007)	414834.19	3774266.59	47.40014 (12031616)

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE4 ***

INCLUDING SOURCE(S): L0008456 , L0008457 , L0008458 , L0008459 , L0008460 ,
L0008461 , L0008462 , L0008463 , L0008464 , L0008465 , L0008466 , L0008467 , L0008468 ,
L0008469 , L0008470 , L0008471 , L0008472 , L0008473 , L0008474 , L0008475 , L0008476 ,
L0008477 , L0008478 , L0008479 , L0008480 , L0008481 , L0008482 , L0008483 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
414016.08	3773637.64	5.98620 (12111715)	414066.08	3773637.64	7.34945 (12111715)
414116.08	3773637.64	8.52224 (12111715)	414166.08	3773637.64	9.44163 (12111715)
414216.08	3773637.64	9.87727 (12111715)	414266.08	3773637.64	10.83751 (12021515)
414316.08	3773637.64	11.41795 (12021515)	414366.08	3773637.64	10.89913 (12021515)
414416.08	3773637.64	8.83878 (12021515)	414466.08	3773637.64	7.84015 (15011016)
414516.08	3773637.64	7.79569 (12022715)	414566.08	3773637.64	8.91841 (15122816)
414616.08	3773637.64	9.70654 (15122816)	414666.08	3773637.64	8.26233 (15122816)
414716.08	3773637.64	10.41845 (12101116)	414766.08	3773637.64	11.70171 (12101116)
414816.08	3773637.64	10.32473 (12101116)	414866.08	3773637.64	8.10833 (12042618)
414916.08	3773637.64	10.64249 (12042618)	414966.08	3773637.64	11.65964 (12042618)
415016.08	3773637.64	11.16944 (12042618)	414016.08	3773687.64	5.53942 (12111715)
414066.08	3773687.64	7.03302 (12111715)	414116.08	3773687.64	8.29261 (12111715)
414166.08	3773687.64	9.02307 (12111715)	414216.08	3773687.64	9.66278 (12111715)
414266.08	3773687.64	9.87381 (12021515)	414316.08	3773687.64	11.46569 (12021515)
414366.08	3773687.64	11.93671 (12021515)	414416.08	3773687.64	10.64768 (12021515)
414466.08	3773687.64	8.45540 (15011016)	414516.08	3773687.64	8.67076 (15011016)
414566.08	3773687.64	9.50202 (15122816)	414616.08	3773687.64	10.56663 (15122816)

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    414666.08  3773687.64     9.03556 (15122816)      414716.08  3773687.64    11.61751 (12101116)
    414766.08  3773687.64    12.65443 (12101116)      414816.08  3773687.64    10.72768 (12101116)
    414866.08  3773687.64     9.91457 (12042618)      414916.08  3773687.64    12.14484 (12042618)
    414966.08  3773687.64    12.52204 (12042618)      415016.08  3773687.64    11.43102 (12042618)
    414016.08  3773737.64     5.01727 (12111715)      414066.08  3773737.64     6.62461 (12111715)
    414116.08  3773737.64     8.04344 (12111715)      414166.08  3773737.64     8.94448 (12111715)
    414216.08  3773737.64     9.59515 (12111715)      414266.08  3773737.64    10.13384 (12111715)
    414316.08  3773737.64    11.59364 (12021515)      414366.08  3773737.64    13.01777 (12021515)
    414416.08  3773737.64    12.49338 (12021515)      414466.08  3773737.64     9.84421 (12021515)
    414516.08  3773737.64     9.75167 (15011016)      414566.08  3773737.64    10.13456 (15122816)
    414616.08  3773737.64    11.55645 (15122816)      414666.08  3773737.64     9.92636 (15122816)
    414716.08  3773737.64    12.99427 (12101116)      414766.08  3773737.64    13.66658 (12101116)
    414816.08  3773737.64    11.09147 (12101116)      414866.08  3773737.64    11.90730 (12042618)
    414916.08  3773737.64    13.57320 (12042618)      414966.08  3773737.64    13.18675 (12042618)
    415016.08  3773737.64    11.51257 (12042618)      414016.08  3773787.64     4.73258 (12021216)
    414066.08  3773787.64     6.12252 (12111715)      414116.08  3773787.64     7.77398 (12111715)
    414166.08  3773787.64     9.15806 (12111715)      414216.08  3773787.64    10.20799 (12111715)
    414266.08  3773787.64    11.20068 (12111715)      414316.08  3773787.64    12.03069 (12021515)
    414366.08  3773787.64    14.04595 (12021515)      414416.08  3773787.64    14.69726 (12021515)
    414466.08  3773787.64    12.43347 (12021515)      414516.08  3773787.64    10.92213 (15011016)
    414566.08  3773787.64    10.79992 (15122816)      414616.08  3773787.64    12.70059 (15122816)
    414666.08  3773787.64    10.96612 (15122816)      414716.08  3773787.64    14.57663 (12101116)
    414766.08  3773787.64    14.73321 (12101116)      414816.08  3773787.64    11.38412 (12101116)
  *** AERMOD - VERSION  19191 ***   *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc
***       05/24/21
 *** AERMET - VERSION  16216 ***  ***                                                ***       12:11:05
                                                                      PAGE 282
 *** MODELOPTs:   RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                    *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP:
SLINE4  ***
                       INCLUDING SOURCE(S):   L0008456  , L0008457  , L0008458  , L0008459  , L0008460  ,
          L0008461  , L0008462  , L0008463  , L0008464  , L0008465  , L0008466  , L0008467  , L0008468  ,
          L0008469  , L0008470  , L0008471  , L0008472  , L0008473  , L0008474  , L0008475  , L0008476  ,
          L0008477  , L0008478  , L0008479  , L0008480  , L0008481  , L0008482  , L0008483  , . . .    ,

                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                        ** CONC OF OTHER    IN MICROGRAMS/M**3                 **

    X-COORD (M)  Y-COORD (M)      CONC     (YYMMDDHH)          X-COORD (M)  Y-COORD (M)      CONC
(YYMMDDHH)
 ------------------------------------------------------------------------------
    414866.08  3773787.64    14.00973 (12042618)      414916.08  3773787.64    14.84234 (12042618)
    414966.08  3773787.64    13.63317 (12042618)      415016.08  3773787.64    12.01380 (12120216)
    414016.08  3773837.64     4.65450 (12021216)      414066.08  3773837.64     5.53388 (12111715)
    414116.08  3773837.64     7.38691 (12111715)      414166.08  3773837.64     9.21451 (12111715)
    414216.08  3773837.64    10.97731 (12111715)      414266.08  3773837.64    12.40297 (12111715)
    414316.08  3773837.64    13.21499 (12111715)      414366.08  3773837.64    15.59770 (12021515)
    414416.08  3773837.64    16.89181 (12021515)      414466.08  3773837.64    15.26907 (12021515)
    414516.08  3773837.64    12.15942 (15011016)      414566.08  3773837.64    12.28773 (15042107)
    414616.08  3773837.64    14.03901 (15122816)      414666.08  3773837.64    12.19632 (15122816)
    414716.08  3773837.64    16.40097 (12101116)      414766.08  3773837.64    15.84244 (12101116)
    414816.08  3773837.64    13.39661 (12042618)      414866.08  3773837.64    16.09778 (12042618)
    414916.08  3773837.64    15.86049 (12042618)      414966.08  3773837.64    13.84144 (12042618)
    415016.08  3773837.64    12.54040 (12120216)      414016.08  3773887.64     4.52348 (12021216)
```

414066.08	3773887.64	5.13174 (12021216)	414116.08	3773887.64	6.82314 (12111715)
414166.08	3773887.64	8.82458 (12111715)	414216.08	3773887.64	10.77533 (12111715)
414266.08	3773887.64	12.70060 (12111715)	414316.08	3773887.64	14.55258 (12111715)
414366.08	3773887.64	16.28970 (12021515)	414416.08	3773887.64	19.11520 (12021515)
414466.08	3773887.64	18.98224 (12021515)	414516.08	3773887.64	13.48627 (12021515)
414566.08	3773887.64	14.02554 (15042107)	414616.08	3773887.64	15.61795 (15122816)
414666.08	3773887.64	14.07265 (12101116)	414716.08	3773887.64	18.50984 (12101116)
414766.08	3773887.64	16.97447 (12101116)	414816.08	3773887.64	16.43966 (12042618)
414866.08	3773887.64	18.01621 (12042618)	414916.08	3773887.64	16.57807 (12042618)
414966.08	3773887.64	14.31221 (12120216)	415016.08	3773887.64	12.80605 (12120216)
414016.08	3773937.64	4.33832 (12021216)	414066.08	3773937.64	5.01886 (12021216)
414116.08	3773937.64	6.15313 (12111715)	414166.08	3773937.64	8.31612 (12111715)
414216.08	3773937.64	10.46553 (12111715)	414266.08	3773937.64	12.58860 (12111715)
414316.08	3773937.64	14.78829 (12111715)	414666.08	3773937.64	16.53440 (12101116)
414716.08	3773937.64	20.95151 (12101116)	414766.08	3773937.64	18.09148 (12101116)
414816.08	3773937.64	19.62543 (12042618)	414866.08	3773937.64	19.60128 (12042618)
414916.08	3773937.64	16.95286 (12042618)	414966.08	3773937.64	14.83230 (12120216)
415016.08	3773937.64	12.90822 (12120216)	414016.08	3773987.64	4.08826 (12021216)
414066.08	3773987.64	4.85070 (12021216)	414116.08	3773987.64	5.58655 (12021216)
414166.08	3773987.64	7.67627 (12111715)	414216.08	3773987.64	10.03478 (12111715)
414266.08	3773987.64	12.36918 (12111715)	414316.08	3773987.64	14.80817 (12111715)
414666.08	3773987.64	19.64529 (12101116)	414716.08	3773987.64	23.77484 (12101116)
414766.08	3773987.64	19.77178 (12042618)	414816.08	3773987.64	22.69336 (12042618)
414866.08	3773987.64	20.74875 (12042618)	414916.08	3773987.64	17.41250 (12120216)
414966.08	3773987.64	15.06618 (12120216)	415016.08	3773987.64	12.91816 (12120216)
414016.08	3774037.64	4.18500 (16093007)	414066.08	3774037.64	4.61737 (12021216)
414116.08	3774037.64	5.44071 (12021216)	414166.08	3774037.64	6.91058 (12111715)

*** AERMOD - VERSION 19191 *** *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc *** 05/24/21
*** AERMET - VERSION 16216 *** *** *** 12:11:05

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE4 ***

INCLUDING SOURCE(S): L0008456 , L0008457 , L0008458 , L0008459 , L0008460 ,
L0008461 , L0008462 , L0008463 , L0008464 , L0008465 , L0008466 , L0008467 , L0008468 ,
L0008469 , L0008470 , L0008471 , L0008472 , L0008473 , L0008474 , L0008475 , L0008476 ,
L0008477 , L0008478 , L0008479 , L0008480 , L0008481 , L0008482 , L0008483 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
414216.08	3774037.64	9.46974 (12111715)	414266.08	3774037.64	12.03897 (12111715)
414316.08	3774037.64	14.67785 (12111715)	414666.08	3774037.64	23.65289 (12101116)
414716.08	3774037.64	27.01245 (12101116)	414766.08	3774037.64	25.03018 (12042618)
414816.08	3774037.64	25.30726 (12042618)	414866.08	3774037.64	21.41980 (12042618)
414916.08	3774037.64	17.89584 (12120216)	414966.08	3774037.64	15.16965 (12120216)
415016.08	3774037.64	12.87044 (12120216)	414016.08	3774087.64	4.43955 (16093007)
414066.08	3774087.64	4.82272 (16093007)	414116.08	3774087.64	5.25559 (16093007)
414166.08	3774087.64	6.12360 (12021216)	414216.08	3774087.64	8.74379 (12111715)
414266.08	3774087.64	11.57575 (12111715)	414316.08	3774087.64	14.40034 (12111715)

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   414666.08  3774087.64    28.88773  (12101116)      414716.08  3774087.64    30.67830  (12101116)
   414766.08  3774087.64    30.40520  (12042618)      414816.08  3774087.64    27.20978  (12042618)
   414866.08  3774087.64    21.78838  (12120216)      414916.08  3774087.64    18.12183  (12120216)
   414966.08  3774087.64    15.20657  (12120216)      415016.08  3774087.64    12.74668  (12120216)
   414016.08  3774137.64     4.69971  (16093007)      414066.08  3774137.64     5.13402  (16093007)
   414116.08  3774137.64     5.63045  (16093007)      414166.08  3774137.64     6.20337  (16093007)
   414216.08  3774137.64     7.85897  (12111715)      414266.08  3774137.64    10.94680  (12111715)
   414316.08  3774137.64    14.04609  (12111715)      414666.08  3774137.64    36.37660  (12101116)
   414716.08  3774137.64    34.72435  (12101116)      414766.08  3774137.64    35.17751  (12042618)
   414816.08  3774137.64    28.34289  (12042618)      414866.08  3774137.64    22.25276  (12120216)
   414916.08  3774137.64    18.27222  (12120216)      414966.08  3774137.64    15.21041  (12120216)
   415016.08  3774137.64    12.52954  (12120216)      414016.08  3774187.64     4.95937  (16093007)
   414066.08  3774187.64     5.44928  (16093007)      414116.08  3774187.64     6.01382  (16093007)
   414166.08  3774187.64     6.67702  (16093007)      414216.08  3774187.64     7.45964  (16093007)
   414266.08  3774187.64    10.12358  (12111715)      414316.08  3774187.64    13.62455  (12111715)
   414666.08  3774187.64    51.02854  (12101116)      414716.08  3774187.64    46.59605  (12042618)
   414766.08  3774187.64    38.46901  (12042618)      414816.08  3774187.64    28.98623  (12042618)
   414866.08  3774187.64    22.57911  (12120216)      414916.08  3774187.64    18.40477  (12120216)
   414966.08  3774187.64    16.82076  (12031616)      415016.08  3774187.64    16.11173  (12031616)
   414016.08  3774237.64     5.47931  (12022717)      414066.08  3774237.64     5.85081  (12022717)
   414116.08  3774237.64     6.39657  (16093007)      414166.08  3774237.64     7.15472  (16093007)
   414216.08  3774237.64     8.06476  (16093007)      414266.08  3774237.64     9.17390  (16093007)
   414316.08  3774237.64    12.92131  (12111715)      414666.08  3774237.64    91.28787  (12042618)
   414716.08  3774237.64    57.84072  (12042618)      414766.08  3774237.64    40.17048  (12042618)
   414816.08  3774237.64    29.45935  (12042618)      414866.08  3774237.64    26.38691  (12031616)
   414916.08  3774237.64    23.38279  (12031616)      414966.08  3774237.64    20.58633  (12031616)
   415016.08  3774237.64    18.19536  (12031616)      414016.08  3774287.64     5.75017  (12022717)
   414066.08  3774287.64     6.21090  (12022717)      414116.08  3774287.64     6.77288  (16093007)
   414166.08  3774287.64     7.62416  (16093007)      414216.08  3774287.64     8.66230  (16093007)
   414266.08  3774287.64     9.95164  (16093007)      414316.08  3774287.64    11.97209  (12111715)
   414666.08  3774287.64   193.20985  (12042618)      414716.08  3774287.64    82.67686  (12031616)
  *** AERMOD - VERSION  19191 ***  *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc
***      05/24/21
 *** AERMET - VERSION  16216 ***  ***                                          ***      12:11:05
                                                                  PAGE 284
 *** MODELOPTs:   RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                  *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP:
SLINE4  ***
                       INCLUDING SOURCE(S):    L0008456   , L0008457   , L0008458   , L0008459   , L0008460   ,
          L0008461   , L0008462   , L0008463   , L0008464   , L0008465   , L0008466   , L0008467   , L0008468   ,
          L0008469   , L0008470   , L0008471   , L0008472   , L0008473   , L0008474   , L0008475   , L0008476   ,
          L0008477   , L0008478   , L0008479   , L0008480   , L0008481   , L0008482   , L0008483   , . . .     ,

                              *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                             ** CONC OF OTHER    IN MICROGRAMS/M**3                 **

    X-COORD (M)  Y-COORD (M)      CONC     (YYMMDDHH)          X-COORD (M)  Y-COORD (M)      CONC
(YYMMDDHH)
 ------------------------------------------------------------------------
   414766.08  3774287.64    46.43780  (12031616)      414816.08  3774287.64    36.36591  (12031616)
   414866.08  3774287.64    29.90476  (12031616)      414916.08  3774287.64    24.98974  (12031616)
   414966.08  3774287.64    21.37346  (12031616)      415016.08  3774287.64    18.61238  (12031616)
   414016.08  3774337.64     5.81528  (12022717)      414066.08  3774337.64     6.34884  (16093007)
   414116.08  3774337.64     7.12727  (16093007)      414166.08  3774337.64     8.07040  (16093007)
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414216.08 3774337.64 9.23288 (16093007) 414266.08 3774337.64 10.69462 (16093007)
414316.08 3774337.64 12.58782 (16093007) 414366.08 3774337.64 15.66238 (12111715)
414416.08 3774337.64 21.07800 (12111715) 414466.08 3774337.64 27.83350 (12111715)
414516.08 3774337.64 38.01219 (12021515) 414566.08 3774337.64 67.71847 (12033117)
414666.08 3774337.64 196.65415 (12042618) 414716.08 3774337.64 90.10650 (12031616)
414766.08 3774337.64 49.55195 (12031616) 414816.08 3774337.64 37.61553 (12031616)
414866.08 3774337.64 30.57056 (12031616) 414916.08 3774337.64 25.33016 (12031616)
414966.08 3774337.64 21.59188 (12031616) 415016.08 3774337.64 18.86478 (12120116)
414016.08 3774387.64 5.99138 (12120215) 414066.08 3774387.64 6.88808 (12120215)
414116.08 3774387.64 7.96767 (12120215) 414166.08 3774387.64 9.27907 (12120215)
414216.08 3774387.64 11.36324 (12033117) 414266.08 3774387.64 14.00817 (12033117)
414316.08 3774387.64 17.30989 (12033117) 414366.08 3774387.64 21.48997 (12033117)
414416.08 3774387.64 26.85121 (12033117) 414466.08 3774387.64 33.84012 (12033117)
414516.08 3774387.64 43.07089 (12033117) 414566.08 3774387.64 70.74652 (12033117)
414616.08 3774387.64 169.68289 (12033117) 414666.08 3774387.64 212.41353 (12071919)
414716.08 3774387.64 94.01607 (12031616) 414766.08 3774387.64 51.02507 (12031616)
414816.08 3774387.64 38.58817 (12031616) 414866.08 3774387.64 30.98519 (12031616)
414916.08 3774387.64 25.66673 (12120116) 414966.08 3774387.64 21.90156 (12120116)
415016.08 3774387.64 19.05463 (12120116) 414016.08 3774437.64 7.91480 (12033117)
414066.08 3774437.64 9.25092 (12033117) 414116.08 3774437.64 10.79262 (12033117)
414166.08 3774437.64 12.58881 (12033117) 414216.08 3774437.64 14.65952 (12033117)
414266.08 3774437.64 17.09442 (12033117) 414316.08 3774437.64 20.00257 (12033117)
414366.08 3774437.64 23.58842 (12033117) 414416.08 3774437.64 28.24346 (12033117)
414466.08 3774437.64 34.60801 (12033117) 414516.08 3774437.64 43.61620 (12033117)
414566.08 3774437.64 70.53101 (12033117) 414616.08 3774437.64 166.21508 (12033117)
414666.08 3774437.64 157.66297 (12042618) 414716.08 3774437.64 96.42950 (12031616)
414766.08 3774437.64 54.83609 (12071919) 414816.08 3774437.64 41.46558 (12121716)
414866.08 3774437.64 31.74141 (12043018) 414916.08 3774437.64 25.82281 (12031616)
414966.08 3774437.64 21.97217 (12120116) 415016.08 3774437.64 19.09926 (12120116)
414016.08 3774487.64 9.78942 (12033117) 414066.08 3774487.64 11.00707 (12033117)
414116.08 3774487.64 12.37373 (12033117) 414166.08 3774487.64 13.90504 (12033117)
414216.08 3774487.64 15.69353 (12033117) 414266.08 3774487.64 17.80708 (12033117)
414316.08 3774487.64 20.43331 (12033117) 414366.08 3774487.64 23.83489 (12033117)
414416.08 3774487.64 28.60290 (12033117) 414466.08 3774487.64 34.69001 (12033117)
414516.08 3774487.64 43.61228 (12033117) 414566.08 3774487.64 69.94630 (12033117)

*** AERMOD - VERSION 19191 *** *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc
*** 05/24/21
*** AERMET - VERSION 16216 *** *** *** 12:11:05

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE4 ***
INCLUDING SOURCE(S): L0008456 , L0008457 , L0008458 , L0008459 , L0008460 ,
L0008461 , L0008462 , L0008463 , L0008464 , L0008465 , L0008466 , L0008467 , L0008468 ,
L0008469 , L0008470 , L0008471 , L0008472 , L0008473 , L0008474 , L0008475 , L0008476 ,
L0008477 , L0008478 , L0008479 , L0008480 , L0008481 , L0008482 , L0008483 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M) CONC (YYMMDDHH)

414616.08 3774487.64 162.25829 (12033117) 414666.08 3774487.64 149.96373 (16093007)

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414716.08  3774487.64    98.41823  (12031616)    414766.08  3774487.64    55.58123  (12071919)
414816.08  3774487.64    42.69549  (12121716)    414866.08  3774487.64    33.06041  (12121716)
414916.08  3774487.64    26.63500  (12043018)    414966.08  3774487.64    22.65266  (12043018)
415016.08  3774487.64    19.48278  (12043018)    414016.08  3774537.64    10.53689  (12033117)
414066.08  3774537.64    11.59346  (12033117)    414116.08  3774537.64    12.80533  (12033117)
414166.08  3774537.64    14.19804  (12033117)    414216.08  3774537.64    15.87926  (12033117)
414266.08  3774537.64    17.88427  (12033117)    414316.08  3774537.64    20.46342  (12033117)
414366.08  3774537.64    23.82347  (12033117)    414416.08  3774537.64    28.26728  (12033117)
414466.08  3774537.64    34.58015  (12033117)    414516.08  3774537.64    43.36456  (12033117)
414566.08  3774537.64    69.03777  (12033117)    414616.08  3774537.64   158.37151  (12033117)
414666.08  3774537.64   214.67260  (16093007)    414716.08  3774537.64   100.35615  (12031616)
414766.08  3774537.64    55.79339  (12071919)    414816.08  3774537.64    44.82347  (12071919)
414866.08  3774537.64    33.27537  (12121716)    414916.08  3774537.64    27.39689  (12121716)
414966.08  3774537.64    22.96742  (12121716)    415016.08  3774537.64    19.86331  (12043018)
414016.08  3774587.64    10.70202  (12033117)    414066.08  3774587.64    11.68865  (12033117)
414116.08  3774587.64    12.86087  (12033117)    414166.08  3774587.64    14.22377  (12033117)
414216.08  3774587.64    15.88137  (12033117)    414266.08  3774587.64    17.82596  (12033117)
414316.08  3774587.64    20.35844  (12033117)    414366.08  3774587.64    23.67813  (12033117)
414416.08  3774587.64    28.17292  (12033117)    414466.08  3774587.64    34.41133  (12033117)
414516.08  3774587.64    43.63798  (16093007)    414566.08  3774587.64    68.20079  (12033117)
414616.08  3774587.64   154.40529  (12033117)    414666.08  3774587.64   176.82507  (12042618)
414716.08  3774587.64   102.33455  (12031616)    414766.08  3774587.64    55.54018  (12071919)
414816.08  3774587.64    44.32604  (12071919)    414866.08  3774587.64    34.49951  (12071919)
414916.08  3774587.64    27.51084  (12121716)    414966.08  3774587.64    23.25315  (12121716)
415016.08  3774587.64    20.07760  (12121716)    414016.08  3774637.64    10.71360  (12033117)
414066.08  3774637.64    11.65577  (12033117)    414116.08  3774637.64    12.78871  (12033117)
414166.08  3774637.64    14.14996  (12033117)    414216.08  3774637.64    15.82557  (12033117)
414266.08  3774637.64    17.77786  (12033117)    414316.08  3774637.64    20.36795  (12033117)
414366.08  3774637.64    23.97877  (12033117)    414416.08  3774637.64    28.25054  (12033117)
414466.08  3774637.64    36.26840  (12033117)    414516.08  3774637.64    45.61010  (12033117)
414566.08  3774637.64    67.38714  (12033117)    414616.08  3774637.64   150.63106  (12033117)
414666.08  3774637.64   155.57347  (16093007)    414716.08  3774637.64   104.43904  (12031616)
414766.08  3774637.64    58.95834  (12071919)    414816.08  3774637.64    44.98652  (12071919)
414866.08  3774637.64    35.01269  (12071919)    414916.08  3774637.64    28.28973  (12071919)
414966.08  3774637.64    23.39102  (12121716)    415016.08  3774637.64    20.21450  (12121716)
414361.21  3774308.59    15.67876  (12111715)    414586.99  3774306.89    80.74931  (12033117)
414586.99  3774347.63    94.28233  (12033117)    414636.22  3774347.63   169.14555  (12021515)
414629.43  3773930.02    17.24913  (15122816)    414359.51  3773930.02    16.49522  (12111715)
414406.37  3774308.25    20.20221  (12111715)    414451.52  3774307.91    25.62076  (12111715)
 *** AERMOD - VERSION  19191 ***  *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc
***      05/24/21
 *** AERMET - VERSION  16216 ***  ***                                          ***      12:11:05
                                                                  PAGE 286
 *** MODELOPTs:   RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                    *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP:
SLINE4  ***
                       INCLUDING SOURCE(S):    L0008456   , L0008457   , L0008458   , L0008459   , L0008460   ,
          L0008461   , L0008462   , L0008463   , L0008464   , L0008465   , L0008466   , L0008467   , L0008468   ,
          L0008469   , L0008470   , L0008471   , L0008472   , L0008473   , L0008474   , L0008475   , L0008476   ,
          L0008477   , L0008478   , L0008479   , L0008480   , L0008481   , L0008482   , L0008483   , . . .     ,

                              *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                             ** CONC OF OTHER    IN MICROGRAMS/M**3                 **
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X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
414496.68	3774307.57	33.26358	(12111715)	414541.83	3774307.23	46.17079	(12021515)
414635.47	3774301.23	210.26846	(12021515)	414634.71	3774254.83	153.11125	(12021515)
414633.96	3774208.43	59.82110	(15042107)	414633.20	3774162.03	43.07570	(15042107)
414632.45	3774115.62	32.13465	(15042107)	414631.69	3774069.22	25.41166	(15122816)
414630.94	3774022.82	22.08153	(15122816)	414630.18	3773976.42	19.41706	(15122816)
414584.44	3773930.02	16.10148	(15042107)	414539.46	3773930.02	15.75976	(15011016)
414494.47	3773930.02	20.08840	(12021515)	414449.48	3773930.02	21.24576	(12021515)
414404.50	3773930.02	19.20398	(12021515)	414359.72	3773977.34	17.02147	(12111715)
414359.94	3774024.66	17.09934	(12111715)	414360.15	3774071.98	17.15360	(12111715)
414360.36	3774119.31	17.08377	(12111715)	414360.57	3774166.63	16.95509	(12111715)
414360.79	3774213.95	16.69209	(12111715)	414361.00	3774261.27	16.29201	(12111715)
414651.22	3774193.13	50.23348	(14050807)	414651.22	3774219.08	66.99048	(12101116)
414651.87	3774247.64	114.77701	(12101116)	414651.87	3774278.78	166.71156	(12042618)
414651.87	3774298.90	179.04393	(12042618)	414652.52	3774320.31	145.01971	(16093007)
414651.87	3774365.09	147.61551	(12101116)	414653.17	3774345.62	144.66440	(12101116)
414649.27	3774056.86	23.80456	(14050807)	414651.22	3774134.08	34.72695	(14050807)
414650.57	3774166.52	42.16930	(14050807)	414647.97	3774014.03	20.87460	(15122816)
414248.25	3774308.63	9.74499	(16093007)	414246.95	3774293.71	9.50543	(16093007)
414246.30	3774277.48	9.26434	(16093007)	414246.30	3774261.91	9.04731	(16093007)
414246.95	3774244.39	8.81657	(16093007)	414245.65	3774234.01	8.64023	(16093007)
414246.30	3774219.73	8.45323	(16093007)	414245.65	3774206.11	8.34381	(12111715)
414245.00	3774187.94	8.68527	(12111715)	414244.36	3774168.47	9.03077	(12111715)
414244.36	3774156.14	9.26231	(12111715)	414244.36	3774136.02	9.61534	(12111715)
414241.76	3774052.96	10.62304	(12111715)	414242.41	3774036.74	10.83088	(12111715)
414243.06	3774017.27	11.04995	(12111715)	414243.06	3773979.64	11.35034	(12111715)
414239.81	3773932.92	11.49375	(12111715)	414239.16	3773893.33	11.64210	(12111715)
414646.03	3773967.31	18.40273	(15122816)	414647.97	3773917.34	16.05334	(15122816)
414646.03	3773895.93	15.33513	(15122816)	414646.68	3773877.11	14.63296	(15122816)
414646.68	3773841.42	13.49040	(15122816)	414644.73	3773799.89	12.41835	(15122816)
414649.92	3774091.90	27.93463	(14050807)	414651.87	3774207.40	57.86040	(12101116)
414647.28	3773769.60	11.56407	(15122816)	414647.28	3773722.90	10.55043	(15122816)
414588.50	3773543.39	8.34762	(15122816)	414530.55	3773519.46	7.00869	(12022715)
414486.45	3773503.08	6.34908	(12022715)	414427.23	3773494.26	5.97225	(15011016)
414356.68	3773470.32	7.69228	(12021515)	414273.52	3773436.30	9.50512	(12021515)
414053.04	3773606.39	7.17834	(12111715)	414834.19	3774266.59	32.51772	(12031616)

*** AERMOD - VERSION 19191 *** *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc *** 05/24/21

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE5 ***

INCLUDING SOURCE(S): L0008501 , L0008502 , L0008503 , L0008504 , L0008505 ,
L0008506 , L0008507 , L0008508 , L0008509 , L0008510 , L0008511 , L0008512 , L0008513 ,
L0008514 , L0008515 , L0008516 , L0008517 , L0008518 , L0008519 , L0008520 , L0008521 ,
L0008522 , L0008523 , L0008524 , L0008525 , L0008526 , L0008527 , L0008528 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC

(YYMMDDHH)

414016.08	3773637.64	7.54443 (12021216)	414066.08	3773637.64	9.74743 (12021216)
414116.08	3773637.64	13.87295 (12111715)	414166.08	3773637.64	18.82605 (12111715)
414216.08	3773637.64	23.06064 (12111715)	414266.08	3773637.64	24.35460 (12111715)
414316.08	3773637.64	22.47951 (12021515)	414366.08	3773637.64	21.37590 (12021515)
414416.08	3773637.64	18.58636 (12021515)	414466.08	3773637.64	16.88720 (15042107)
414516.08	3773637.64	19.26535 (12101116)	414566.08	3773637.64	23.37118 (12042618)
414616.08	3773637.64	27.09652 (12042618)	414666.08	3773637.64	27.19103 (12042618)
414716.08	3773637.64	26.63919 (12120216)	414766.08	3773637.64	24.12842 (12120216)
414816.08	3773637.64	19.12547 (12120216)	414866.08	3773637.64	13.88541 (14120116)
414916.08	3773637.64	13.25249 (14120116)	414966.08	3773637.64	12.03025 (14120116)
415016.08	3773637.64	10.47126 (14120116)	414016.08	3773687.64	7.62508 (16093007)
414066.08	3773687.64	9.14877 (12021216)	414116.08	3773687.64	11.97910 (12111715)
414166.08	3773687.64	15.79580 (12111715)	414216.08	3773687.64	20.52991 (12111715)
414266.08	3773687.64	23.46450 (12111715)	414316.08	3773687.64	24.56593 (12021515)
414366.08	3773687.64	25.01262 (12021515)	414416.08	3773687.64	22.77003 (12021515)
414466.08	3773687.64	20.06813 (15042107)	414516.08	3773687.64	21.84862 (12101116)
414566.08	3773687.64	28.49070 (12042618)	414616.08	3773687.64	32.10031 (12042618)
414666.08	3773687.64	31.05101 (12120216)	414716.08	3773687.64	30.01407 (12120216)
414766.08	3773687.64	25.02803 (12120216)	414816.08	3773687.64	18.18609 (12120216)
414866.08	3773687.64	16.22988 (14120116)	414916.08	3773687.64	14.53305 (14120116)
414966.08	3773687.64	12.45580 (14120116)	415016.08	3773687.64	11.20293 (12012517)
414016.08	3773737.64	8.32675 (16093007)	414066.08	3773737.64	9.37734 (16093007)
414116.08	3773737.64	10.66488 (12021216)	414166.08	3773737.64	14.32595 (12111715)
414216.08	3773737.64	19.90077 (12111715)	414266.08	3773737.64	25.57604 (12111715)
414316.08	3773737.64	28.15927 (12111715)	414366.08	3773737.64	29.89263 (12021515)
414416.08	3773737.64	27.97406 (12021515)	414466.08	3773737.64	25.48324 (12021515)
414516.08	3773737.64	26.56271 (12042618)	414566.08	3773737.64	34.66545 (12042618)
414616.08	3773737.64	38.26698 (12042618)	414666.08	3773737.64	37.08671 (12120216)
414716.08	3773737.64	32.90112 (12120216)	414766.08	3773737.64	24.87057 (12120216)
414816.08	3773737.64	20.39727 (14120116)	414866.08	3773737.64	17.93790 (14120116)
414916.08	3773737.64	15.06642 (14120116)	414966.08	3773737.64	16.10721 (12031616)
415016.08	3773737.64	16.98202 (12031616)	414016.08	3773787.64	9.05770 (16093007)
414066.08	3773787.64	10.34233 (16093007)	414116.08	3773787.64	11.58590 (16093007)
414166.08	3773787.64	13.64357 (12111715)	414216.08	3773787.64	19.96712 (12111715)
414266.08	3773787.64	28.03561 (12111715)	414316.08	3773787.64	33.97747 (12111715)
414366.08	3773787.64	36.49417 (12021515)	414416.08	3773787.64	35.55756 (12021515)
414466.08	3773787.64	32.66910 (12021515)	414516.08	3773787.64	33.69655 (12042618)
414566.08	3773787.64	41.91208 (12042618)	414616.08	3773787.64	46.18958 (12042618)
414666.08	3773787.64	43.65982 (12120216)	414716.08	3773787.64	34.65117 (12120216)
414766.08	3773787.64	26.56950 (14120116)	414816.08	3773787.64	22.81268 (14120116)

*** AERMOD - VERSION 19191 *** *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc *** 05/24/21

*** AERMET - VERSION 16216 *** *** *** 12:11:05

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE5 ***

INCLUDING SOURCE(S): L0008501 , L0008502 , L0008503 , L0008504 , L0008505 ,
L0008506 , L0008507 , L0008508 , L0008509 , L0008510 , L0008511 , L0008512 , L0008513 ,
L0008514 , L0008515 , L0008516 , L0008517 , L0008518 , L0008519 , L0008520 , L0008521 ,
L0008522 , L0008523 , L0008524 , L0008525 , L0008526 , L0008527 , L0008528 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
414866.08	3773787.64	22.47920	(12031616)	414916.08	3773787.64	23.22438	(12031616)
414966.08	3773787.64	23.17306	(12031616)	415016.08	3773787.64	22.56734	(12031616)
414016.08	3773837.64	10.89976	(12022717)	414066.08	3773837.64	11.35405	(16093007)
414116.08	3773837.64	13.28693	(16093007)	414166.08	3773837.64	15.74602	(16093007)
414216.08	3773837.64	22.49595	(12111715)	414266.08	3773837.64	33.10644	(12111715)
414316.08	3773837.64	41.97408	(12111715)	414366.08	3773837.64	49.27702	(12021515)
414416.08	3773837.64	47.33674	(12021515)	414466.08	3773837.64	42.10556	(12021515)
414516.08	3773837.64	43.03076	(12042618)	414566.08	3773837.64	50.43772	(12042618)
414616.08	3773837.64	58.69474	(12120216)	414666.08	3773837.64	50.08248	(12120216)
414716.08	3773837.64	36.55797	(14120116)	414766.08	3773837.64	34.14832	(12031616)
414816.08	3773837.64	34.05815	(12031616)	414866.08	3773837.64	32.66736	(12031616)
414916.08	3773837.64	30.63743	(12031616)	414966.08	3773837.64	28.38562	(12031616)
415016.08	3773837.64	26.11811	(12031616)	414016.08	3773887.64	14.12991	(12022717)
414066.08	3773887.64	15.35757	(12022717)	414116.08	3773887.64	16.76998	(12022717)
414166.08	3773887.64	18.38175	(12022717)	414216.08	3773887.64	22.21038	(16093007)
414266.08	3773887.64	34.33171	(12111715)	414316.08	3773887.64	56.52948	(12111715)
414366.08	3773887.64	82.15181	(12111715)	414416.08	3773887.64	78.11252	(12021515)
414466.08	3773887.64	62.98574	(12042618)	414516.08	3773887.64	58.63361	(12021515)
414566.08	3773887.64	70.10260	(12042618)	414616.08	3773887.64	81.44220	(12120216)
414666.08	3773887.64	61.62487	(12031616)	414716.08	3773887.64	57.13964	(12031616)
414766.08	3773887.64	50.62300	(12031616)	414816.08	3773887.64	44.36041	(12031616)
414866.08	3773887.64	38.95721	(12031616)	414916.08	3773887.64	34.41857	(12031616)
414966.08	3773887.64	30.54997	(12031616)	415016.08	3773887.64	27.20594	(12031616)
414016.08	3773937.64	16.02514	(12022717)	414066.08	3773937.64	17.92713	(12022717)
414116.08	3773937.64	20.32478	(12022717)	414166.08	3773937.64	23.45258	(12022717)
414216.08	3773937.64	27.75688	(12022717)	414266.08	3773937.64	34.65169	(16093007)
414316.08	3773937.64	56.20831	(12111715)	414666.08	3773937.64	98.44634	(12031616)
414716.08	3773937.64	72.23512	(12031616)	414766.08	3773937.64	57.42978	(12031616)
414816.08	3773937.64	47.53153	(12031616)	414866.08	3773937.64	40.36902	(12031616)
414916.08	3773937.64	34.80856	(12031616)	414966.08	3773937.64	30.42132	(12120116)
415016.08	3773937.64	27.36510	(12120116)	414016.08	3773987.64	16.52211	(12022717)
414066.08	3773987.64	18.77605	(12120215)	414116.08	3773987.64	23.21775	(12120215)
414166.08	3773987.64	29.54147	(12120215)	414216.08	3773987.64	39.90168	(12033117)
414266.08	3773987.64	57.85888	(12033117)	414316.08	3773987.64	95.70379	(12033117)
414666.08	3773987.64	101.38375	(12120116)	414716.08	3773987.64	73.20844	(12120116)
414766.08	3773987.64	58.05069	(12120116)	414816.08	3773987.64	48.12799	(12120116)
414866.08	3773987.64	41.07589	(12120116)	414916.08	3773987.64	35.73785	(12120116)
414966.08	3773987.64	31.49495	(12120116)	415016.08	3773987.64	28.00458	(12120116)
414016.08	3774037.64	21.72702	(12033117)	414066.08	3774037.64	26.68384	(12033117)
414116.08	3774037.64	33.19572	(12033117)	414166.08	3774037.64	41.98402	(12033117)

*** AERMOD - VERSION 19191 *** *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc *** 05/24/21

*** AERMET - VERSION 16216 *** *** *** 12:11:05

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE5 ***

INCLUDING SOURCE(S): L0008501 , L0008502 , L0008503 , L0008504 , L0008505 , L0008506 , L0008507 , L0008508 , L0008509 , L0008510 , L0008511 , L0008512 , L0008513 , L0008514 , L0008515 , L0008516 , L0008517 , L0008518 , L0008519 , L0008520 , L0008521 ,

L0008522 , L0008523 , L0008524 , L0008525 , L0008526 , L0008527 , L0008528 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
414216.08	3774037.64	54.21788	(12033117)	414266.08	3774037.64	72.07477	(12033117)
414316.08	3774037.64	107.14240	(12033117)	414666.08	3774037.64	98.24052	(12120116)
414716.08	3774037.64	71.94462	(12120116)	414766.08	3774037.64	57.47923	(12120116)
414816.08	3774037.64	47.75998	(12120116)	414866.08	3774037.64	40.67543	(12120116)
414916.08	3774037.64	35.15812	(12120116)	414966.08	3774037.64	30.67785	(12120116)
415016.08	3774037.64	26.92338	(12120116)	414016.08	3774087.64	27.81047	(12033117)
414066.08	3774087.64	32.92217	(12033117)	414116.08	3774087.64	39.28861	(12033117)
414166.08	3774087.64	47.41086	(12033117)	414216.08	3774087.64	58.31048	(12033117)
414266.08	3774087.64	74.34754	(12033117)	414316.08	3774087.64	108.59108	(12033117)
414666.08	3774087.64	97.50153	(12120116)	414716.08	3774087.64	71.27718	(12120116)
414766.08	3774087.64	56.46053	(12120116)	414816.08	3774087.64	46.44204	(12120116)
414866.08	3774087.64	38.93342	(12120116)	414916.08	3774087.64	33.03177	(12120116)
414966.08	3774087.64	28.21793	(12120116)	415016.08	3774087.64	24.22636	(12120116)
414016.08	3774137.64	30.88197	(12033117)	414066.08	3774137.64	35.54478	(12033117)
414116.08	3774137.64	41.28093	(12033117)	414166.08	3774137.64	48.68995	(12033117)
414216.08	3774137.64	58.90892	(12033117)	414266.08	3774137.64	74.51296	(12033117)
414316.08	3774137.64	108.77466	(12033117)	414666.08	3774137.64	97.01095	(12043018)
414716.08	3774137.64	71.40066	(12043018)	414766.08	3774137.64	56.73684	(12043018)
414816.08	3774137.64	46.63731	(12043018)	414866.08	3774137.64	39.02244	(12043018)
414916.08	3774137.64	32.94293	(12043018)	414966.08	3774137.64	27.93257	(12043018)
415016.08	3774137.64	23.74968	(12043018)	414016.08	3774187.64	31.84363	(12033117)
414066.08	3774187.64	36.16989	(12033117)	414116.08	3774187.64	41.58440	(12033117)
414166.08	3774187.64	48.75685	(12033117)	414216.08	3774187.64	58.82297	(12033117)
414266.08	3774187.64	74.34220	(12033117)	414316.08	3774187.64	105.86106	(12033117)
414666.08	3774187.64	96.03713	(12121716)	414716.08	3774187.64	71.03397	(12043018)
414766.08	3774187.64	56.92317	(12043018)	414816.08	3774187.64	47.43531	(12043018)
414866.08	3774187.64	40.43384	(12043018)	414916.08	3774187.64	34.93153	(12043018)
414966.08	3774187.64	30.39774	(12043018)	415016.08	3774187.64	26.55522	(12043018)
414016.08	3774237.64	31.39866	(12033117)	414066.08	3774237.64	35.46565	(12033117)
414116.08	3774237.64	40.66383	(12033117)	414166.08	3774237.64	47.65579	(12033117)
414216.08	3774237.64	57.57971	(12033117)	414266.08	3774237.64	73.00088	(12033117)
414316.08	3774237.64	104.53314	(12033117)	414666.08	3774237.64	94.30013	(12121716)
414716.08	3774237.64	70.39316	(12121716)	414766.08	3774237.64	56.36775	(12121716)
414816.08	3774237.64	46.76912	(12121716)	414866.08	3774237.64	40.15193	(12043018)
414916.08	3774237.64	35.17409	(12043018)	414966.08	3774237.64	31.06396	(12043018)
415016.08	3774237.64	27.59014	(12043018)	414016.08	3774287.64	28.89896	(12033117)
414066.08	3774287.64	32.24852	(12033117)	414116.08	3774287.64	36.47151	(12033117)
414166.08	3774287.64	41.98755	(12033117)	414216.08	3774287.64	49.55375	(12033117)
414266.08	3774287.64	60.74439	(12033117)	414316.08	3774287.64	82.12480	(12033117)
414666.08	3774287.64	89.93913	(12071919)	414716.08	3774287.64	68.02230	(12071919)

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:

SLINE5 ***
INCLUDING SOURCE(S): L0008501 , L0008502 , L0008503 , L0008504 , L0008505 ,
L0008506 , L0008507 , L0008508 , L0008509 , L0008510 , L0008511 , L0008512 , L0008513 ,
L0008514 , L0008515 , L0008516 , L0008517 , L0008518 , L0008519 , L0008520 , L0008521 ,
L0008522 , L0008523 , L0008524 , L0008525 , L0008526 , L0008527 , L0008528 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
414766.08	3774287.64	54.14350	(12121716)	414816.08	3774287.64	46.57731	(12121716)
414866.08	3774287.64	39.54622	(12121716)	414916.08	3774287.64	34.79355	(12121716)
414966.08	3774287.64	30.39622	(12121716)	415016.08	3774287.64	26.93055	(12043018)
414016.08	3774337.64	23.43054	(12033117)	414066.08	3774337.64	25.22908	(12033117)
414116.08	3774337.64	27.23601	(12033117)	414166.08	3774337.64	29.44450	(12033117)
414216.08	3774337.64	31.77776	(12033117)	414266.08	3774337.64	33.98615	(12033117)
414316.08	3774337.64	43.41690	(15022217)	414366.08	3774337.64	61.56862	(15022217)
414416.08	3774337.64	68.65978	(15022217)	414466.08	3774337.64	75.91388	(15022217)
414516.08	3774337.64	77.50900	(16020617)	414566.08	3774337.64	74.25952	(12071919)
414666.08	3774337.64	72.49510	(12071919)	414716.08	3774337.64	61.95549	(12071919)
414766.08	3774337.64	51.98123	(12071919)	414816.08	3774337.64	44.06827	(12071919)
414866.08	3774337.64	36.88932	(12121716)	414916.08	3774337.64	33.80291	(12121716)
414966.08	3774337.64	30.24290	(12121716)	415016.08	3774337.64	27.05275	(12121716)
414016.08	3774387.64	15.85700	(12033117)	414066.08	3774387.64	15.98382	(12033117)
414116.08	3774387.64	15.87320	(12033117)	414166.08	3774387.64	16.69041	(12111616)
414216.08	3774387.64	19.12152	(12111616)	414266.08	3774387.64	25.75867	(15022217)
414316.08	3774387.64	38.25943	(15022217)	414366.08	3774387.64	47.73499	(15022217)
414416.08	3774387.64	51.46777	(15022217)	414466.08	3774387.64	48.58321	(15022217)
414516.08	3774387.64	49.44677	(16020617)	414566.08	3774387.64	51.86798	(16020617)
414616.08	3774387.64	47.64698	(16020617)	414666.08	3774387.64	48.66615	(12071919)
414716.08	3774387.64	48.81787	(12071919)	414766.08	3774387.64	45.74429	(12071919)
414816.08	3774387.64	40.71198	(12071919)	414866.08	3774387.64	35.97598	(12071919)
414916.08	3774387.64	31.24828	(12071919)	414966.08	3774387.64	27.69243	(12121716)
415016.08	3774387.64	25.75257	(12121716)	414016.08	3774437.64	10.09560	(13020917)
414066.08	3774437.64	11.68967	(12111616)	414116.08	3774437.64	13.23165	(12111616)
414166.08	3774437.64	14.64640	(12111616)	414216.08	3774437.64	16.66986	(15022217)
414266.08	3774437.64	25.28446	(15022217)	414316.08	3774437.64	34.06555	(15022217)
414366.08	3774437.64	39.37532	(15022217)	414416.08	3774437.64	39.65942	(15022217)
414466.08	3774437.64	36.63714	(16123116)	414516.08	3774437.64	36.64011	(16123116)
414566.08	3774437.64	38.44782	(16020617)	414616.08	3774437.64	37.81506	(16020617)
414666.08	3774437.64	32.42879	(16020617)	414716.08	3774437.64	34.03805	(12071919)
414766.08	3774437.64	36.11271	(12071919)	414816.08	3774437.64	35.59489	(12071919)
414866.08	3774437.64	33.41311	(12071919)	414916.08	3774437.64	30.55257	(12071919)
414966.08	3774437.64	27.29654	(12071919)	415016.08	3774437.64	23.91439	(12071919)
414016.08	3774487.64	9.75250	(12111616)	414066.08	3774487.64	10.78631	(12111616)
414116.08	3774487.64	11.45910	(12111616)	414166.08	3774487.64	11.83049	(16093007)
414216.08	3774487.64	17.23168	(15022217)	414266.08	3774487.64	24.08551	(15022217)
414316.08	3774487.64	29.79284	(15022217)	414366.08	3774487.64	32.18961	(15022217)
414416.08	3774487.64	30.46656	(15022217)	414466.08	3774487.64	30.07159	(16123116)
414516.08	3774487.64	30.47076	(16123116)	414566.08	3774487.64	28.70636	(16020617)

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*** 05/24/21
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE5 ***

INCLUDING SOURCE(S): L0008501 , L0008502 , L0008503 , L0008504 , L0008505 ,
L0008506 , L0008507 , L0008508 , L0008509 , L0008510 , L0008511 , L0008512 , L0008513 ,
L0008514 , L0008515 , L0008516 , L0008517 , L0008518 , L0008519 , L0008520 , L0008521 ,
L0008522 , L0008523 , L0008524 , L0008525 , L0008526 , L0008527 , L0008528 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
414616.08	3774487.64	30.16083	(16020617)	414666.08	3774487.64	27.88584	(16020617)
414716.08	3774487.64	23.22221	(15102517)	414766.08	3774487.64	25.16023	(12071919)
414816.08	3774487.64	27.54683	(12071919)	414866.08	3774487.64	28.07441	(12071919)
414916.08	3774487.64	27.36023	(12071919)	414966.08	3774487.64	25.85098	(12071919)
415016.08	3774487.64	23.76290	(12071919)	414016.08	3774537.64	8.90187	(12111616)
414066.08	3774537.64	9.27942	(12111616)	414116.08	3774537.64	9.31431	(16093007)
414166.08	3774537.64	12.02723	(15022217)	414216.08	3774537.64	17.15433	(15022217)
414266.08	3774537.64	22.44480	(15022217)	414316.08	3774537.64	25.97324	(15022217)
414366.08	3774537.64	26.45295	(15022217)	414416.08	3774537.64	23.32499	(15022217)
414466.08	3774537.64	25.48580	(16123116)	414516.08	3774537.64	25.80350	(16123116)
414566.08	3774537.64	21.77790	(16020617)	414616.08	3774537.64	24.11096	(16020617)
414666.08	3774537.64	23.62519	(16020617)	414716.08	3774537.64	20.78553	(16020617)
414766.08	3774537.64	18.45758	(15102517)	414816.08	3774537.64	19.41580	(12071919)
414866.08	3774537.64	21.60037	(12071919)	414916.08	3774537.64	22.68013	(12071919)
414966.08	3774537.64	22.73448	(12071919)	415016.08	3774537.64	22.03481	(12071919)
414016.08	3774587.64	7.65642	(12111616)	414066.08	3774587.64	7.56992	(16093007)
414116.08	3774587.64	8.57101	(15022217)	414166.08	3774587.64	12.47135	(15022217)
414216.08	3774587.64	16.67533	(15022217)	414266.08	3774587.64	20.47791	(15022217)
414316.08	3774587.64	22.34912	(15022217)	414366.08	3774587.64	21.52977	(15022217)
414416.08	3774587.64	18.39923	(12021917)	414466.08	3774587.64	21.84235	(16123116)
414516.08	3774587.64	22.19072	(16123116)	414566.08	3774587.64	18.80517	(16123116)
414616.08	3774587.64	19.28281	(16020617)	414666.08	3774587.64	19.86124	(16020617)
414716.08	3774587.64	18.46840	(16020617)	414766.08	3774587.64	15.64670	(16020617)
414816.08	3774587.64	15.23645	(15102517)	414866.08	3774587.64	15.29634	(12071919)
414916.08	3774587.64	17.36878	(12071919)	414966.08	3774587.64	18.61822	(12071919)
415016.08	3774587.64	19.09684	(12071919)	414016.08	3774637.64	6.30187	(16093007)
414066.08	3774637.64	6.84769	(16093007)	414116.08	3774637.64	9.15980	(15022217)
414166.08	3774637.64	12.63840	(15022217)	414216.08	3774637.64	15.95353	(15022217)
414266.08	3774637.64	18.48662	(15022217)	414316.08	3774637.64	19.13530	(15022217)
414366.08	3774637.64	17.56744	(15022217)	414416.08	3774637.64	16.34892	(12021917)
414466.08	3774637.64	19.12212	(16123116)	414516.08	3774637.64	19.40654	(16123116)
414566.08	3774637.64	16.54517	(16123116)	414616.08	3774637.64	15.45912	(16020617)
414666.08	3774637.64	16.62882	(16020617)	414716.08	3774637.64	16.22109	(16020617)
414766.08	3774637.64	14.48738	(16020617)	414816.08	3774637.64	13.07325	(15102517)
414866.08	3774637.64	12.76131	(15102517)	414916.08	3774637.64	12.33201	(12071919)
414966.08	3774637.64	14.20337	(12071919)	415016.08	3774637.64	15.50562	(12071919)
414361.21	3774308.59	78.06114	(15022217)	414586.99	3774306.89	98.19006	(12071919)
414586.99	3774347.63	65.94837	(12071919)	414636.22	3774347.63	67.90166	(12071919)
414629.43	3773930.02	131.57460	(12031616)	414359.51	3773930.02	112.28572	(12111715)

414406.37 3774308.25 84.46163 (16093007) 414451.52 3774307.91 119.31799 (15022217)
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*** 05/24/21
*** AERMET - VERSION 16216 *** *** *** 12:11:05
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE5 ***
INCLUDING SOURCE(S): L0008501 , L0008502 , L0008503 , L0008504 , L0008505 ,
L0008506 , L0008507 , L0008508 , L0008509 , L0008510 , L0008511 , L0008512 , L0008513 ,
L0008514 , L0008515 , L0008516 , L0008517 , L0008518 , L0008519 , L0008520 , L0008521 ,
L0008522 , L0008523 , L0008524 , L0008525 , L0008526 , L0008527 , L0008528 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
414496.68	3774307.57	134.93991	(12071919)	414541.83	3774307.23	138.04977	(12071919)
414635.47	3774301.23	101.62168	(12071919)	414634.71	3774254.83	130.00565	(12121716)
414633.96	3774208.43	135.92975	(12121716)	414633.20	3774162.03	140.43474	(12121716)
414632.45	3774115.62	143.46626	(12043018)	414631.69	3774069.22	146.80637	(12031616)
414630.94	3774022.82	149.70062	(12031616)	414630.18	3773976.42	158.89294	(12120116)
414584.44	3773930.02	144.79328	(12042618)	414539.46	3773930.02	147.21682	(12042618)
414494.47	3773930.02	99.06010	(16093007)	414449.48	3773930.02	137.70894	(12042618)
414404.50	3773930.02	150.30054	(12111715)	414359.72	3773977.34	197.85072	(12033117)
414359.94	3774024.66	176.90058	(12033117)	414360.15	3774071.98	185.81616	(12033117)
414360.36	3774119.31	198.37439	(12033117)	414360.57	3774166.63	223.77078	(12033117)
414360.79	3774213.95	227.58691	(12033117)	414361.00	3774261.27	222.01459	(12033117)
414651.22	3774193.13	110.48966	(12121716)	414651.22	3774219.08	109.16755	(12121716)
414651.87	3774247.64	106.59077	(12121716)	414651.87	3774278.78	100.15522	(12071919)
414651.87	3774298.90	91.80981	(12071919)	414652.52	3774320.31	80.18484	(12071919)
414651.87	3774365.09	58.19737	(12071919)	414653.17	3774345.62	67.98765	(12071919)
414649.27	3774056.86	115.96479	(12120116)	414651.22	3774134.08	112.25592	(12043018)
414650.57	3774166.52	112.26718	(12121716)	414647.97	3774014.03	118.67900	(12120116)
414248.25	3774308.63	47.33888	(12033117)	414246.95	3774293.71	53.55921	(12033117)
414246.30	3774277.48	59.01116	(12033117)	414246.30	3774261.91	62.79514	(12033117)
414246.95	3774244.39	65.54915	(12033117)	414245.65	3774234.01	65.97120	(12033117)
414246.30	3774219.73	66.81018	(12033117)	414245.65	3774206.11	66.87331	(12033117)
414245.00	3774187.94	66.80975	(12033117)	414244.36	3774168.47	66.67692	(12033117)
414244.36	3774156.14	66.70946	(12033117)	414244.36	3774136.02	66.73062	(12033117)
414241.76	3774052.96	64.01929	(12033117)	414242.41	3774036.74	62.45951	(12033117)
414243.06	3774017.27	58.88099	(12033117)	414243.06	3773979.64	44.45444	(12033117)
414239.81	3773932.92	29.77886	(12022717)	414239.16	3773893.33	25.27743	(16093007)
414646.03	3773967.31	128.52115	(12120116)	414647.97	3773917.34	95.27969	(12031616)
414646.03	3773895.93	70.16421	(12031616)	414646.68	3773877.11	62.77761	(12120216)
414646.68	3773841.42	55.61020	(12120216)	414644.73	3773799.89	47.66958	(12120216)
414649.92	3774091.90	114.52537	(12043018)	414651.87	3774207.40	109.03578	(12121716)
414647.28	3773769.60	42.16586	(12120216)	414647.28	3773722.90	35.15393	(12042618)
414588.50	3773543.39	17.87575	(12042618)	414530.55	3773519.46	15.65355	(12101116)
414486.45	3773503.08	13.50622	(12101116)	414427.23	3773494.26	11.92603	(15122816)
414356.68	3773470.32	15.56319	(12021515)	414273.52	3773436.30	17.15784	(12021515)
414053.04	3773606.39	9.40880	(12021216)	414834.19	3774266.59	43.91827	(12121716)

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  *** AERMOD - VERSION 19191 ***   *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc
***       05/24/21
 *** AERMET - VERSION 16216 ***   ***                                        ***       12:11:05
                                                                  PAGE 293
 *** MODELOPTs:   RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                        *** THE SUMMARY OF MAXIMUM PERIOD ( 43848 HRS) RESULTS ***


                      ** CONC OF OTHER    IN MICROGRAMS/M**3                  **

                                                                  NETWORK
GROUP ID                AVERAGE CONC          RECEPTOR  (XR, YR, ZELEV, ZHILL, ZFLAG)  OF TYPE
GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

AREA1    1ST HIGHEST VALUE IS   9085.21679 AT (  414360.79,  3774213.95,   145.31,   145.31,    0.00)  DC
      2ND HIGHEST VALUE IS   3817.63972 AT (  414360.57,  3774166.63,   144.64,   145.65,    0.00)  DC
      3RD HIGHEST VALUE IS   3782.67173 AT (  414361.00,  3774261.27,   144.27,   146.00,    0.00)  DC
      4TH HIGHEST VALUE IS   2707.93245 AT (  414451.52,  3774307.91,   143.81,   143.81,    0.00)  DC
      5TH HIGHEST VALUE IS   2419.59890 AT (  414316.08,  3774187.64,   144.58,   145.60,    0.00)  DC
      6TH HIGHEST VALUE IS   2201.70078 AT (  414496.68,  3774307.57,   143.98,   143.98,    0.00)  DC
      7TH HIGHEST VALUE IS   1897.06782 AT (  414316.08,  3774237.64,   143.68,   144.83,    0.00)  DC
      8TH HIGHEST VALUE IS   1753.55262 AT (  414316.08,  3774137.64,   147.36,   147.36,    0.00)  DC
      9TH HIGHEST VALUE IS   1720.18173 AT (  414360.36,  3774119.31,   140.82,   147.50,    0.00)  DC
     10TH HIGHEST VALUE IS   1625.57950 AT (  414406.37,  3774308.25,   143.82,   143.82,    0.00)  DC

AREA10   1ST HIGHEST VALUE IS   5764.47061 AT (  414633.96,  3774208.43,   143.33,   143.33,    0.00)  DC
      2ND HIGHEST VALUE IS   4092.34999 AT (  414651.22,  3774219.08,   143.42,   143.42,    0.00)  DC
      3RD HIGHEST VALUE IS   3975.28371 AT (  414651.87,  3774207.40,   143.28,   143.28,    0.00)  DC
      4TH HIGHEST VALUE IS   3399.23220 AT (  414651.22,  3774193.13,   143.15,   143.15,    0.00)  DC
      5TH HIGHEST VALUE IS   2856.62542 AT (  414666.08,  3774237.64,   143.99,   143.99,    0.00)  DC
      6TH HIGHEST VALUE IS   2836.94591 AT (  414651.87,  3774247.64,   143.73,   143.73,    0.00)  DC
      7TH HIGHEST VALUE IS   2542.04307 AT (  414634.71,  3774254.83,   143.96,   143.96,    0.00)  DC
      8TH HIGHEST VALUE IS   2497.95631 AT (  414666.08,  3774187.64,   143.01,   143.01,    0.00)  DC
      9TH HIGHEST VALUE IS   1884.25328 AT (  414633.20,  3774162.03,   142.82,   142.82,    0.00)  DC
     10TH HIGHEST VALUE IS   1878.86820 AT (  414650.57,  3774166.52,   142.83,   142.83,    0.00)  DC

AREA11   1ST HIGHEST VALUE IS   4449.65281 AT (  414633.20,  3774162.03,   142.82,   142.82,    0.00)  DC
      2ND HIGHEST VALUE IS   3390.96198 AT (  414651.22,  3774193.13,   143.15,   143.15,    0.00)  DC
      3RD HIGHEST VALUE IS   3311.59722 AT (  414650.57,  3774166.52,   142.83,   142.83,    0.00)  DC
      4TH HIGHEST VALUE IS   3064.54095 AT (  414633.96,  3774208.43,   143.33,   143.33,    0.00)  DC
      5TH HIGHEST VALUE IS   2782.93665 AT (  414666.08,  3774187.64,   143.01,   143.01,    0.00)  DC
      6TH HIGHEST VALUE IS   2711.01426 AT (  414651.87,  3774207.40,   143.28,   143.28,    0.00)  DC
      7TH HIGHEST VALUE IS   2105.03960 AT (  414651.22,  3774219.08,   143.42,   143.42,    0.00)  DC
      8TH HIGHEST VALUE IS   1575.98621 AT (  414651.22,  3774134.08,   142.45,   142.45,    0.00)  DC
      9TH HIGHEST VALUE IS   1498.61598 AT (  414716.08,  3774187.64,   142.83,   142.83,    0.00)  DC
     10TH HIGHEST VALUE IS   1486.76776 AT (  414666.08,  3774137.64,   142.68,   142.68,    0.00)  DC

AREA12   1ST HIGHEST VALUE IS   3893.07149 AT (  414633.20,  3774162.03,   142.82,   142.82,    0.00)  DC
      2ND HIGHEST VALUE IS   3077.75862 AT (  414651.22,  3774134.08,   142.45,   142.45,    0.00)  DC
      3RD HIGHEST VALUE IS   2891.31058 AT (  414632.45,  3774115.62,   142.27,   142.27,    0.00)  DC
      4TH HIGHEST VALUE IS   2824.15133 AT (  414650.57,  3774166.52,   142.83,   142.83,    0.00)  DC
      5TH HIGHEST VALUE IS   2410.77351 AT (  414666.08,  3774137.64,   142.68,   142.68,    0.00)  DC
      6TH HIGHEST VALUE IS   1594.03459 AT (  414666.08,  3774187.64,   143.01,   143.01,    0.00)  DC
      7TH HIGHEST VALUE IS   1413.53796 AT (  414651.22,  3774193.13,   143.15,   143.15,    0.00)  DC
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      8TH HIGHEST VALUE IS   1186.93821 AT ( 414716.08, 3774137.64,  142.77,  142.77,   0.00) DC
      9TH HIGHEST VALUE IS   1167.42573 AT ( 414716.08, 3774187.64,  142.83,  142.83,   0.00) DC
     10TH HIGHEST VALUE IS   1055.08267 AT ( 414649.92, 3774091.90,  141.96,  141.96,   0.00) DC
  *** AERMOD - VERSION 19191 ***   *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc
***       05/24/21
 *** AERMET - VERSION 16216 ***  ***                                          ***       12:11:05
                                                                  PAGE 294
 *** MODELOPTs:   RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                        *** THE SUMMARY OF MAXIMUM PERIOD ( 43848 HRS) RESULTS ***


                      ** CONC OF OTHER    IN MICROGRAMS/M**3                 **

                                                                 NETWORK
GROUP ID                AVERAGE CONC          RECEPTOR  (XR, YR, ZELEV, ZHILL, ZFLAG)  OF TYPE
GRID-ID
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AREA13   1ST HIGHEST VALUE IS   5020.07446 AT ( 414632.45, 3774115.62,  142.27,  142.27,   0.00) DC
      2ND HIGHEST VALUE IS   2874.88898 AT ( 414649.92, 3774091.90,  141.96,  141.96,   0.00) DC
      3RD HIGHEST VALUE IS   2732.67210 AT ( 414651.22, 3774134.08,  142.45,  142.45,   0.00) DC
      4TH HIGHEST VALUE IS   2194.35033 AT ( 414666.08, 3774137.64,  142.68,  142.68,   0.00) DC
      5TH HIGHEST VALUE IS   1991.76357 AT ( 414666.08, 3774087.64,  142.41,  142.41,   0.00) DC
      6TH HIGHEST VALUE IS   1979.84785 AT ( 414631.69, 3774069.22,  141.80,  141.80,   0.00) DC
      7TH HIGHEST VALUE IS   1323.46093 AT ( 414716.08, 3774137.64,  142.77,  142.77,   0.00) DC
      8TH HIGHEST VALUE IS   1245.77574 AT ( 414633.20, 3774162.03,  142.82,  142.82,   0.00) DC
      9TH HIGHEST VALUE IS   1177.12395 AT ( 414650.57, 3774166.52,  142.83,  142.83,   0.00) DC
     10TH HIGHEST VALUE IS   1131.67172 AT ( 414649.27, 3774056.86,  141.55,  141.55,   0.00) DC

AREA14   1ST HIGHEST VALUE IS   5950.82362 AT ( 414631.69, 3774069.22,  141.80,  141.80,   0.00) DC
      2ND HIGHEST VALUE IS   3664.10577 AT ( 414649.92, 3774091.90,  141.96,  141.96,   0.00) DC
      3RD HIGHEST VALUE IS   3614.72958 AT ( 414649.27, 3774056.86,  141.55,  141.55,   0.00) DC
      4TH HIGHEST VALUE IS   3013.57910 AT ( 414666.08, 3774087.64,  142.41,  142.41,   0.00) DC
      5TH HIGHEST VALUE IS   2408.02883 AT ( 414632.45, 3774115.62,  142.27,  142.27,   0.00) DC
      6TH HIGHEST VALUE IS   1966.65874 AT ( 414666.08, 3774037.64,  141.79,  141.79,   0.00) DC
      7TH HIGHEST VALUE IS   1868.64310 AT ( 414630.94, 3774022.82,  141.28,  141.28,   0.00) DC
      8TH HIGHEST VALUE IS   1697.69025 AT ( 414716.08, 3774087.64,  142.44,  142.44,   0.00) DC
      9TH HIGHEST VALUE IS   1474.43458 AT ( 414651.22, 3774134.08,  142.45,  142.45,   0.00) DC
     10TH HIGHEST VALUE IS   1425.54637 AT ( 414539.46, 3773930.02,  120.44,  146.17,   0.00) DC

AREA15   1ST HIGHEST VALUE IS   5876.53240 AT ( 414630.94, 3774022.82,  141.28,  141.28,   0.00) DC
      2ND HIGHEST VALUE IS   4056.01166 AT ( 414649.27, 3774056.86,  141.55,  141.55,   0.00) DC
      3RD HIGHEST VALUE IS   3781.98952 AT ( 414631.69, 3774069.22,  141.80,  141.80,   0.00) DC
      4TH HIGHEST VALUE IS   3597.12379 AT ( 414647.97, 3774014.03,  141.13,  141.13,   0.00) DC
      5TH HIGHEST VALUE IS   3373.10169 AT ( 414666.08, 3774037.64,  141.79,  141.79,   0.00) DC
      6TH HIGHEST VALUE IS   2221.62550 AT ( 414539.46, 3773930.02,  120.44,  146.17,   0.00) DC
      7TH HIGHEST VALUE IS   2052.61705 AT ( 414666.08, 3774087.64,  142.41,  142.41,   0.00) DC
      8TH HIGHEST VALUE IS   1981.45013 AT ( 414649.92, 3774091.90,  141.96,  141.96,   0.00) DC
      9TH HIGHEST VALUE IS   1943.69064 AT ( 414584.44, 3773930.02,  130.52,  142.09,   0.00) DC
     10TH HIGHEST VALUE IS   1894.22728 AT ( 414494.47, 3773930.02,  127.07,  142.09,   0.00) DC

AREA16   1ST HIGHEST VALUE IS   5621.89396 AT ( 414630.94, 3774022.82,  141.28,  141.28,   0.00) DC
      2ND HIGHEST VALUE IS   4591.41166 AT ( 414647.97, 3774014.03,  141.13,  141.13,   0.00) DC
      3RD HIGHEST VALUE IS   3901.56762 AT ( 414630.18, 3773976.42,  140.77,  140.77,   0.00) DC
      4TH HIGHEST VALUE IS   3778.67316 AT ( 414539.46, 3773930.02,  120.44,  146.17,   0.00) DC
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      5TH HIGHEST VALUE IS   3560.06767 AT ( 414584.44, 3773930.02,  130.52,  142.09,   0.00) DC
      6TH HIGHEST VALUE IS   2870.20874 AT ( 414666.08, 3773987.64,  140.92,  140.92,   0.00) DC
      7TH HIGHEST VALUE IS   2846.87286 AT ( 414666.08, 3774037.64,  141.79,  141.79,   0.00) DC
      8TH HIGHEST VALUE IS   2475.41388 AT ( 414494.47, 3773930.02,  127.07,  142.09,   0.00) DC
      9TH HIGHEST VALUE IS   2457.47562 AT ( 414646.03, 3773967.31,  140.76,  140.76,   0.00) DC
     10TH HIGHEST VALUE IS   2236.77201 AT ( 414649.27, 3774056.86,  141.55,  141.55,   0.00) DC
  *** AERMOD - VERSION 19191 ***  *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc
***      05/24/21
 *** AERMET - VERSION 16216 ***  ***                                          ***      12:11:05
                                                                    PAGE 295
 *** MODELOPTs:   RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                        *** THE SUMMARY OF MAXIMUM PERIOD ( 43848 HRS) RESULTS ***


                      ** CONC OF OTHER    IN MICROGRAMS/M**3                 **

                                                                  NETWORK
GROUP ID                AVERAGE CONC          RECEPTOR  (XR, YR, ZELEV, ZHILL, ZFLAG)  OF TYPE
GRID-ID
-----------------------------------------------------------------------

AREA2    1ST HIGHEST VALUE IS   7565.30858 AT ( 414360.57, 3774166.63,  144.64,  145.65,   0.00) DC
      2ND HIGHEST VALUE IS   5583.93242 AT ( 414360.79, 3774213.95,  145.31,  145.31,   0.00) DC
      3RD HIGHEST VALUE IS   3040.27338 AT ( 414360.36, 3774119.31,  140.82,  147.50,   0.00) DC
      4TH HIGHEST VALUE IS   2239.01139 AT ( 414316.08, 3774137.64,  147.36,  147.36,   0.00) DC
      5TH HIGHEST VALUE IS   2231.76782 AT ( 414316.08, 3774187.64,  144.58,  145.60,   0.00) DC
      6TH HIGHEST VALUE IS   1525.49310 AT ( 414316.08, 3774087.64,  146.68,  146.68,   0.00) DC
      7TH HIGHEST VALUE IS   1491.88370 AT ( 414360.15, 3774071.98,  138.71,  147.50,   0.00) DC
      8TH HIGHEST VALUE IS   1303.37906 AT ( 414361.00, 3774261.27,  144.27,  146.00,   0.00) DC
      9TH HIGHEST VALUE IS   1233.14669 AT ( 414496.68, 3774307.57,  143.98,  143.98,   0.00) DC
     10TH HIGHEST VALUE IS   1181.66746 AT ( 414316.08, 3774237.64,  143.68,  144.83,   0.00) DC

AREA3    1ST HIGHEST VALUE IS   7245.09663 AT ( 414360.57, 3774166.63,  144.64,  145.65,   0.00) DC
      2ND HIGHEST VALUE IS   5996.01370 AT ( 414360.36, 3774119.31,  140.82,  147.50,   0.00) DC
      3RD HIGHEST VALUE IS   2505.61742 AT ( 414360.15, 3774071.98,  138.71,  147.50,   0.00) DC
      4TH HIGHEST VALUE IS   2081.43451 AT ( 414316.08, 3774137.64,  147.36,  147.36,   0.00) DC
      5TH HIGHEST VALUE IS   2006.87982 AT ( 414316.08, 3774087.64,  146.68,  146.68,   0.00) DC
      6TH HIGHEST VALUE IS   1644.30698 AT ( 414360.79, 3774213.95,  145.31,  145.31,   0.00) DC
      7TH HIGHEST VALUE IS   1447.85824 AT ( 414316.08, 3774187.64,  144.58,  145.60,   0.00) DC
      8TH HIGHEST VALUE IS   1388.94800 AT ( 414316.08, 3774037.64,  145.37,  145.37,   0.00) DC
      9TH HIGHEST VALUE IS   1274.25728 AT ( 414359.94, 3774024.66,  134.90,  147.50,   0.00) DC
     10TH HIGHEST VALUE IS   1081.81667 AT ( 414266.08, 3774087.64,  141.43,  147.27,   0.00) DC

AREA4    1ST HIGHEST VALUE IS   4009.92277 AT ( 414360.36, 3774119.31,  140.82,  147.50,   0.00) DC
      2ND HIGHEST VALUE IS   2944.54147 AT ( 414360.15, 3774071.98,  138.71,  147.50,   0.00) DC
      3RD HIGHEST VALUE IS   1647.59331 AT ( 414359.94, 3774024.66,  134.90,  147.50,   0.00) DC
      4TH HIGHEST VALUE IS   1179.91771 AT ( 414360.57, 3774166.63,  144.64,  145.65,   0.00) DC
      5TH HIGHEST VALUE IS   1163.45459 AT ( 414316.08, 3774087.64,  146.68,  146.68,   0.00) DC
      6TH HIGHEST VALUE IS   1076.58268 AT ( 414316.08, 3774037.64,  145.37,  145.37,   0.00) DC
      7TH HIGHEST VALUE IS    857.61365 AT ( 414316.08, 3774137.64,  147.36,  147.36,   0.00) DC
      8TH HIGHEST VALUE IS    820.93752 AT ( 414316.08, 3773987.64,  142.89,  142.89,   0.00) DC
      9TH HIGHEST VALUE IS    815.88060 AT ( 414359.72, 3773977.34,  140.17,  143.42,   0.00) DC
     10TH HIGHEST VALUE IS    730.48319 AT ( 414633.20, 3774162.03,  142.82,  142.82,   0.00) DC

AREA5    1ST HIGHEST VALUE IS   4031.07489 AT ( 414360.15, 3774071.98,  138.71,  147.50,   0.00) DC
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      2ND HIGHEST VALUE IS   2347.42326 AT (  414359.94,  3774024.66,   134.90,   147.50,    0.00) DC
      3RD HIGHEST VALUE IS   1672.34645 AT (  414360.36,  3774119.31,   140.82,   147.50,    0.00) DC
      4TH HIGHEST VALUE IS   1124.09173 AT (  414316.08,  3774037.64,   145.37,   145.37,    0.00) DC
      5TH HIGHEST VALUE IS   1114.19999 AT (  414359.72,  3773977.34,   140.17,   143.42,    0.00) DC
      6TH HIGHEST VALUE IS    963.42990 AT (  414316.08,  3773987.64,   142.89,   142.89,    0.00) DC
      7TH HIGHEST VALUE IS    952.70706 AT (  414316.08,  3774087.64,   146.68,   146.68,    0.00) DC
      8TH HIGHEST VALUE IS    698.59733 AT (  414316.08,  3773937.64,   139.90,   139.90,    0.00) DC
      9TH HIGHEST VALUE IS    642.89139 AT (  414633.20,  3774162.03,   142.82,   142.82,    0.00) DC
     10TH HIGHEST VALUE IS    639.01737 AT (  414359.51,  3773930.02,   139.31,   139.31,    0.00) DC
  *** AERMOD - VERSION 19191 ***   *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc
***       05/24/21
 *** AERMET - VERSION  16216 ***   ***                                          ***       12:11:05
                                                                    PAGE 296
 *** MODELOPTs:   RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                        *** THE SUMMARY OF MAXIMUM PERIOD ( 43848 HRS) RESULTS ***


                      ** CONC OF OTHER    IN MICROGRAMS/M**3                  **

                                                                  NETWORK
GROUP ID                AVERAGE CONC            RECEPTOR  (XR, YR, ZELEV, ZHILL, ZFLAG)  OF TYPE
GRID-ID
-----------------------------------------------------------------

AREA6    1ST HIGHEST VALUE IS   3773.78450 AT (  414359.94,  3774024.66,   134.90,   147.50,    0.00) DC
      2ND HIGHEST VALUE IS   2447.88706 AT (  414360.15,  3774071.98,   138.71,   147.50,    0.00) DC
      3RD HIGHEST VALUE IS   1873.84908 AT (  414359.72,  3773977.34,   140.17,   143.42,    0.00) DC
      4TH HIGHEST VALUE IS   1102.58628 AT (  414316.08,  3773987.64,   142.89,   142.89,    0.00) DC
      5TH HIGHEST VALUE IS   1043.79758 AT (  414316.08,  3774037.64,   145.37,   145.37,    0.00) DC
      6TH HIGHEST VALUE IS    939.41563 AT (  414359.51,  3773930.02,   139.31,   139.31,    0.00) DC
      7TH HIGHEST VALUE IS    878.60954 AT (  414316.08,  3773937.64,   139.90,   139.90,    0.00) DC
      8TH HIGHEST VALUE IS    644.39745 AT (  414632.45,  3774115.62,   142.27,   142.27,    0.00) DC
      9TH HIGHEST VALUE IS    631.33439 AT (  414316.08,  3773837.64,   109.37,   147.50,    0.00) DC
     10TH HIGHEST VALUE IS    614.03758 AT (  414316.08,  3774087.64,   146.68,   146.68,    0.00) DC

AREA7    1ST HIGHEST VALUE IS   3343.07158 AT (  414359.94,  3774024.66,   134.90,   147.50,    0.00) DC
      2ND HIGHEST VALUE IS   3208.82756 AT (  414359.72,  3773977.34,   140.17,   143.42,    0.00) DC
      3RD HIGHEST VALUE IS   1545.47143 AT (  414359.51,  3773930.02,   139.31,   139.31,    0.00) DC
      4TH HIGHEST VALUE IS   1108.51246 AT (  414316.08,  3773987.64,   142.89,   142.89,    0.00) DC
      5TH HIGHEST VALUE IS   1070.23458 AT (  414316.08,  3773937.64,   139.90,   139.90,    0.00) DC
      6TH HIGHEST VALUE IS    925.87361 AT (  414404.50,  3773930.02,   139.61,   139.61,    0.00) DC
      7TH HIGHEST VALUE IS    840.23748 AT (  414360.15,  3774071.98,   138.71,   147.50,    0.00) DC
      8TH HIGHEST VALUE IS    824.19541 AT (  414366.08,  3773887.64,   139.80,   139.80,    0.00) DC
      9TH HIGHEST VALUE IS    814.88859 AT (  414316.08,  3773837.64,   109.37,   147.50,    0.00) DC
     10TH HIGHEST VALUE IS    799.24824 AT (  414366.08,  3773837.64,   114.76,   147.50,    0.00) DC

AREA8    1ST HIGHEST VALUE IS   6642.23518 AT (  414359.72,  3773977.34,   140.17,   143.42,    0.00) DC
      2ND HIGHEST VALUE IS   3966.29290 AT (  414359.51,  3773930.02,   139.31,   139.31,    0.00) DC
      3RD HIGHEST VALUE IS   3365.59377 AT (  414404.50,  3773930.02,   139.61,   139.61,    0.00) DC
      4TH HIGHEST VALUE IS   3296.63609 AT (  414359.94,  3774024.66,   134.90,   147.50,    0.00) DC
      5TH HIGHEST VALUE IS   2139.92351 AT (  414316.08,  3773937.64,   139.90,   139.90,    0.00) DC
      6TH HIGHEST VALUE IS   2043.28134 AT (  414366.08,  3773887.64,   139.80,   139.80,    0.00) DC
      7TH HIGHEST VALUE IS   1826.84678 AT (  414449.48,  3773930.02,   126.96,   146.39,    0.00) DC
      8TH HIGHEST VALUE IS   1622.18376 AT (  414316.08,  3773887.64,   139.72,   139.72,    0.00) DC
      9TH HIGHEST VALUE IS   1619.80370 AT (  414316.08,  3773987.64,   142.89,   142.89,    0.00) DC
```

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     10TH HIGHEST VALUE IS   1528.51034 AT ( 414416.08, 3773887.64,  131.34,  140.86,   0.00) DC

AREA9    1ST HIGHEST VALUE IS   7378.62836 AT ( 414634.71, 3774254.83,  143.96,  143.96,   0.00) DC
      2ND HIGHEST VALUE IS   5240.07941 AT ( 414651.87, 3774247.64,  143.73,  143.73,   0.00) DC
      3RD HIGHEST VALUE IS   4123.41424 AT ( 414633.96, 3774208.43,  143.33,  143.33,   0.00) DC
      4TH HIGHEST VALUE IS   4018.74707 AT ( 414651.87, 3774278.78,  144.09,  144.09,   0.00) DC
      5TH HIGHEST VALUE IS   4014.91067 AT ( 414651.22, 3774219.08,  143.42,  143.42,   0.00) DC
      6TH HIGHEST VALUE IS   3840.28340 AT ( 414666.08, 3774237.64,  143.99,  143.99,   0.00) DC
      7TH HIGHEST VALUE IS   3115.19020 AT ( 414651.87, 3774207.40,  143.28,  143.28,   0.00) DC
      8TH HIGHEST VALUE IS   2972.58493 AT ( 414666.08, 3774287.64,  144.78,  144.78,   0.00) DC
      9TH HIGHEST VALUE IS   2723.62269 AT ( 414651.87, 3774298.90,  144.31,  144.31,   0.00) DC
     10TH HIGHEST VALUE IS   2696.70253 AT ( 414635.47, 3774301.23,  144.37,  144.37,   0.00) DC
  *** AERMOD - VERSION 19191 ***   *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc
***      05/24/21
 *** AERMET - VERSION 16216 ***  ***                                          ***      12:11:05
                                                                  PAGE 297
 *** MODELOPTs:   RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                      *** THE SUMMARY OF MAXIMUM PERIOD ( 43848 HRS) RESULTS ***


                    ** CONC OF OTHER   IN MICROGRAMS/M**3                **

                                                          NETWORK
GROUP ID              AVERAGE CONC          RECEPTOR  (XR, YR, ZELEV, ZHILL, ZFLAG)  OF TYPE
GRID-ID
-----------------------------------------------------------------

SLINE1   1ST HIGHEST VALUE IS    72.98272 AT ( 414494.47, 3773930.02,  127.07,  142.09,   0.00) DC
      2ND HIGHEST VALUE IS    68.88684 AT ( 414449.48, 3773930.02,  126.96,  146.39,   0.00) DC
      3RD HIGHEST VALUE IS    65.09837 AT ( 414586.99, 3774306.89,  144.23,  144.23,   0.00) DC
      4TH HIGHEST VALUE IS    63.15912 AT ( 414360.79, 3774213.95,  145.31,  145.31,   0.00) DC
      5TH HIGHEST VALUE IS    62.32113 AT ( 414541.83, 3774307.23,  144.19,  144.19,   0.00) DC
      6TH HIGHEST VALUE IS    62.05349 AT ( 414539.46, 3773930.02,  120.44,  146.17,   0.00) DC
      7TH HIGHEST VALUE IS    61.94735 AT ( 414404.50, 3773930.02,  139.61,  139.61,   0.00) DC
      8TH HIGHEST VALUE IS    60.66497 AT ( 414359.72, 3773977.34,  140.17,  143.42,   0.00) DC
      9TH HIGHEST VALUE IS    60.56233 AT ( 414361.00, 3774261.27,  144.27,  146.00,   0.00) DC
     10TH HIGHEST VALUE IS    60.07151 AT ( 414496.68, 3774307.57,  143.98,  143.98,   0.00) DC

SLINE2   1ST HIGHEST VALUE IS    72.68207 AT ( 414631.69, 3774069.22,  141.80,  141.80,   0.00) DC
      2ND HIGHEST VALUE IS    71.15064 AT ( 414633.20, 3774162.03,  142.82,  142.82,   0.00) DC
      3RD HIGHEST VALUE IS    68.99625 AT ( 414616.08, 3773637.64,  139.64,  139.64,   0.00) DC
      4TH HIGHEST VALUE IS    68.52660 AT ( 414666.08, 3774087.64,  142.41,  142.41,   0.00) DC
      5TH HIGHEST VALUE IS    68.49729 AT ( 414666.08, 3774037.64,  141.79,  141.79,   0.00) DC
      6TH HIGHEST VALUE IS    68.43028 AT ( 414616.08, 3773687.64,  139.31,  139.31,   0.00) DC
      7TH HIGHEST VALUE IS    68.23576 AT ( 414666.08, 3773987.64,  140.92,  140.92,   0.00) DC
      8TH HIGHEST VALUE IS    68.11385 AT ( 414666.08, 3774137.64,  142.68,  142.68,   0.00) DC
      9TH HIGHEST VALUE IS    67.82697 AT ( 414666.08, 3773937.64,  140.88,  140.88,   0.00) DC
     10TH HIGHEST VALUE IS    67.75071 AT ( 414616.08, 3773737.64,  139.59,  140.66,   0.00) DC

SLINE3   1ST HIGHEST VALUE IS    81.76551 AT ( 414616.08, 3774387.64,  145.37,  145.37,   0.00) DC
      2ND HIGHEST VALUE IS    69.54121 AT ( 414566.08, 3774387.64,  144.99,  144.99,   0.00) DC
      3RD HIGHEST VALUE IS    66.42922 AT ( 414516.08, 3774387.64,  144.85,  144.85,   0.00) DC
      4TH HIGHEST VALUE IS    64.48997 AT ( 414466.08, 3774387.64,  144.75,  144.75,   0.00) DC
      5TH HIGHEST VALUE IS    63.44538 AT ( 414016.08, 3774437.64,  144.47,  144.47,   0.00) DC
      6TH HIGHEST VALUE IS    62.95046 AT ( 414416.08, 3774387.64,  144.68,  144.68,   0.00) DC
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      7TH HIGHEST VALUE IS    62.12342 AT (  414066.08,  3774437.64,   144.72,   144.72,    0.00) DC
      8TH HIGHEST VALUE IS    61.61331 AT (  414366.08,  3774387.64,   144.67,   144.67,    0.00) DC
      9TH HIGHEST VALUE IS    60.90829 AT (  414116.08,  3774437.64,   144.44,   144.44,    0.00) DC
     10TH HIGHEST VALUE IS    60.32593 AT (  414316.08,  3774387.64,   144.62,   144.62,    0.00) DC

SLINE4   1ST HIGHEST VALUE IS    94.64737 AT (  414666.08,  3774537.64,   147.19,   147.19,    0.00) DC
      2ND HIGHEST VALUE IS    84.97150 AT (  414666.08,  3774387.64,   145.58,   145.58,    0.00) DC
      3RD HIGHEST VALUE IS    75.48388 AT (  414666.08,  3774337.64,   145.39,   145.39,    0.00) DC
      4TH HIGHEST VALUE IS    68.11194 AT (  414635.47,  3774301.23,   144.37,   144.37,    0.00) DC
      5TH HIGHEST VALUE IS    67.89052 AT (  414666.08,  3774637.64,   147.87,   147.87,    0.00) DC
      6TH HIGHEST VALUE IS    67.70514 AT (  414666.08,  3774587.64,   147.46,   147.46,    0.00) DC
      7TH HIGHEST VALUE IS    65.48489 AT (  414666.08,  3774487.64,   146.78,   146.78,    0.00) DC
      8TH HIGHEST VALUE IS    64.54172 AT (  414651.87,  3774365.09,   145.08,   145.08,    0.00) DC
      9TH HIGHEST VALUE IS    63.92765 AT (  414652.52,  3774320.31,   144.55,   144.55,    0.00) DC
     10TH HIGHEST VALUE IS    61.97405 AT (  414653.17,  3774345.62,   144.88,   144.88,    0.00) DC
  *** AERMOD - VERSION  19191 ***   *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc
***       05/24/21
 *** AERMET - VERSION  16216 ***   ***                                                ***       12:11:05
                                                                      PAGE 298
 *** MODELOPTs:   RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                        *** THE SUMMARY OF MAXIMUM PERIOD ( 43848 HRS) RESULTS ***


                      ** CONC OF OTHER    IN MICROGRAMS/M**3                    **

                                                                    NETWORK
GROUP ID                AVERAGE CONC            RECEPTOR  (XR, YR, ZELEV, ZHILL, ZFLAG)  OF TYPE
GRID-ID
------------------------------------------------------------------

SLINE5   1ST HIGHEST VALUE IS    73.05411 AT (  414360.57,  3774166.63,   144.64,   145.65,    0.00) DC
      2ND HIGHEST VALUE IS    70.34648 AT (  414360.79,  3774213.95,   145.31,   145.31,    0.00) DC
      3RD HIGHEST VALUE IS    68.72252 AT (  414360.36,  3774119.31,   140.82,   147.50,    0.00) DC
      4TH HIGHEST VALUE IS    64.44603 AT (  414360.15,  3774071.98,   138.71,   147.50,    0.00) DC
      5TH HIGHEST VALUE IS    61.58978 AT (  414361.00,  3774261.27,   144.27,   146.00,    0.00) DC
      6TH HIGHEST VALUE IS    59.55842 AT (  414404.50,  3773930.02,   139.61,   139.61,    0.00) DC
      7TH HIGHEST VALUE IS    59.17997 AT (  414359.72,  3773977.34,   140.17,   143.42,    0.00) DC
      8TH HIGHEST VALUE IS    58.50782 AT (  414359.94,  3774024.66,   134.90,   147.50,    0.00) DC
      9TH HIGHEST VALUE IS    56.49444 AT (  414496.68,  3774307.57,   143.98,   143.98,    0.00) DC
     10TH HIGHEST VALUE IS    54.02695 AT (  414539.46,  3773930.02,   120.44,   146.17,    0.00) DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
  *** AERMOD - VERSION  19191 ***   *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc
***       05/24/21
 *** AERMET - VERSION  16216 ***   ***                                                ***       12:11:05
                                                                      PAGE 299
 *** MODELOPTs:   RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                        *** THE SUMMARY OF HIGHEST  1-HR RESULTS ***
```

** CONC OF OTHER IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	NETWORK RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
AREA1	HIGH 1ST HIGH VALUE IS	86071.88732	ON 15071806: AT (414361.00, 3774261.27, 144.27, 146.00, 0.00)	DC	
AREA10	HIGH 1ST HIGH VALUE IS	53483.82417	ON 15062406: AT (414633.96, 3774208.43, 143.33, 143.33, 0.00)	DC	
AREA11	HIGH 1ST HIGH VALUE IS	44041.99317	ON 15062506: AT (414633.20, 3774162.03, 142.82, 142.82, 0.00)	DC	
AREA12	HIGH 1ST HIGH VALUE IS	42312.87426	ON 12062406: AT (414632.45, 3774115.62, 142.27, 142.27, 0.00)	DC	
AREA13	HIGH 1ST HIGH VALUE IS	41537.17614	ON 12071406: AT (414632.45, 3774115.62, 142.27, 142.27, 0.00)	DC	
AREA14	HIGH 1ST HIGH VALUE IS	54698.01744	ON 15062406: AT (414631.69, 3774069.22, 141.80, 141.80, 0.00)	DC	
AREA15	HIGH 1ST HIGH VALUE IS	55207.88442	ON 15062506: AT (414630.94, 3774022.82, 141.28, 141.28, 0.00)	DC	
AREA16	HIGH 1ST HIGH VALUE IS	55422.86816	ON 14061706: AT (414630.18, 3773976.42, 140.77, 140.77, 0.00)	DC	
AREA2	HIGH 1ST HIGH VALUE IS	100145.76633	ON 16093007: AT (414360.79, 3774213.95, 145.31, 145.31, 0.00)	DC	
AREA3	HIGH 1ST HIGH VALUE IS	101745.23494	ON 14060406: AT (414360.57, 3774166.63, 144.64, 145.65, 0.00)	DC	
AREA4	HIGH 1ST HIGH VALUE IS	67713.93234	ON 13071606: AT (414360.36, 3774119.31, 140.82, 147.50, 0.00)	DC	
AREA5	HIGH 1ST HIGH VALUE IS	64412.08714	ON 15071806: AT (414360.36, 3774119.31, 140.82, 147.50, 0.00)	DC	
AREA6	HIGH 1ST HIGH VALUE IS	79250.62027	ON 12033117: AT (414360.15, 3774071.98, 138.71, 147.50, 0.00)	DC	
AREA7	HIGH 1ST HIGH VALUE IS	69930.17233	ON 13071606: AT (414359.94, 3774024.66, 134.90, 147.50, 0.00)	DC	
AREA8	HIGH 1ST HIGH VALUE IS	79198.25752	ON 12061706: AT (414359.94, 3774024.66, 134.90, 147.50, 0.00)	DC	
AREA9	HIGH 1ST HIGH VALUE IS	53657.03558	ON 12043018: AT (414634.71, 3774254.83, 143.96, 143.96, 0.00)	DC	
SLINE1	HIGH 1ST HIGH VALUE IS	256.05971	ON 12033117: AT (414359.72, 3773977.34, 140.17, 143.42,		

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0.00) DC

SLINE2  HIGH  1ST HIGH VALUE IS    181.03633  ON 12031616: AT (  414666.08,  3774187.64,   143.01,   143.01,
0.00) DC

SLINE3  HIGH  1ST HIGH VALUE IS    207.87831  ON 12120116: AT (  414616.08,  3774387.64,   145.37,   145.37,
0.00) DC

SLINE4  HIGH  1ST HIGH VALUE IS    214.67260  ON 16093007: AT (  414666.08,  3774537.64,   147.19,   147.19,
0.00) DC

SLINE5  HIGH  1ST HIGH VALUE IS    227.58691  ON 12033117: AT (  414360.79,  3774213.95,   145.31,   145.31,
0.00) DC


*** RECEPTOR TYPES:  GC = GRIDCART
                     GP = GRIDPOLR
                     DC = DISCCART
                     DP = DISCPOLR
  *** AERMOD - VERSION  19191 ***   *** C:\Users\Smith\Documents\AERMOD\Irwindale\8.18\Take 3\Take 3.isc
***       05/24/21
*** AERMET - VERSION  16216 ***  ***                                                  ***       12:11:05
                                                                      PAGE 300
*** 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   1644      MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
ME W187   1644      MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

  ************************************
  *** AERMOD Finishes Successfully ***
  ************************************
```

Appendix 4: HARP2 Output File

HARP2 - HRACalc (dated 21081) 5/24/2021 6:04:35 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Worker
Scenario: NCAcute
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER
Exposure duration are only adjusted for cancer assessments

****
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: False
Dermal: False
Mother's milk: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: Moderate8HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
NOTE: Exposure duration (i.e., start age, end age, ED, & FAH) are only adjusted for cancer assessments.

****
TIER 2 SETTINGS
Tier2 not used.

****

Calculating acute risk

Acute risk breakdown by pollutant and receptor saved to: C:\Users\Smith\Dropbox\My PC (DESKTOP-977GSBU)\Documents\HRA\Irwindale\HARP2\IRWINDALE (FEIR) 05.24.21\hra\Acute (operational)NCAcuteRisk.csv
Acute risk total by receptor saved to: C:\Users\Smith\Dropbox\My PC (DESKTOP-977GSBU)\Documents\HRA\Irwindale\HARP2\IRWINDALE (FEIR) 05.24.21\hra\Acute (operational)NCAcuteRiskSumByRec.csv
HRA ran successfully

HARP2 - HRACalc (dated 21081) 5/24/2021 6:04:17 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Worker
Scenario: NCChronic
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER
Exposure duration are only adjusted for cancer assessments

****
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: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: Moderate8HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
NOTE: Exposure duration (i.e., start age, end age, ED, & FAH) are only adjusted for cancer assessments.

****
SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.05
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
TIER 2 SETTINGS
Tier2 not used.

****

Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to: C:\Users\Smith\Dropbox\My PC (DESKTOP-977GSBU)\Documents\HRA\Irwindale\HARP2\IRWINDALE (FEIR) 05.24.21\hra\Chronic (operational)NCChronicRisk.csv
Chronic risk total by receptor saved to: C:\Users\Smith\Dropbox\My PC (DESKTOP-977GSBU)\Documents\HRA\Irwindale\HARP2\IRWINDALE (FEIR) 05.24.21\hra\Chronic (operational)NCChronicRiskSumByRec.csv
HRA ran successfully

HARP2 - HRACalc (dated 21081) 5/25/2021 10:10:02 AM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: Cancer
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25
Total Exposure Duration: 30

Exposure Duration Bin Distribution
3rd Trimester Bin: 0.25
0<2 Years Bin: 2
2<9 Years Bin: 0
2<16 Years Bin: 14
16<30 Years Bin: 14
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: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: LongTerm24HR

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: Mixed

****
TIER 2 SETTINGS
Tier2 not used.

****

Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to: C:\Users\Smith\Dropbox\My PC (DESKTOP-977GSBU)\Documents\HRA\Irwindale\HARP2\IRWINDALE (FEIR) 05.24.21\hra\Residential Cancer (Operational) 2CancerRisk.csv
Cancer risk total by receptor saved to: C:\Users\Smith\Dropbox\My PC (DESKTOP-977GSBU)\Documents\HRA\Irwindale\HARP2\IRWINDALE (FEIR) 05.24.21\hra\Residential Cancer (Operational) 2CancerRiskSumByRec.csv
HRA ran successfully

HARP2 - HRACalc (dated 21081) 5/25/2021 10:19:08 AM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Worker
Scenario: Cancer
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 16
Total Exposure Duration: 25

Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 0
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 25

****
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: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: Moderate8HR

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: Mixed

****
TIER 2 SETTINGS
Tier2 not used.

****

Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to: C:\Users\Smith\Dropbox\My PC (DESKTOP-977GSBU)\Documents\HRA\Irwindale\HARP2\IRWINDALE (FEIR) 05.24.21\hra\Workplace Cancer (Operational) 2CancerRisk.csv
Cancer risk total by receptor saved to: C:\Users\Smith\Dropbox\My PC (DESKTOP-977GSBU)\Documents\HRA\Irwindale\HARP2\IRWINDALE (FEIR) 05.24.21\hra\Workplace Cancer (Operational) 2CancerRiskSumByRec.csv
HRA ran successfully

This document is the Final Mitigation Monitoring and Reporting Program (FMMRP) for the 5175 Vincent Avenue Project (Project). This FMMRP has been prepared pursuant to Section 21081.6 of the California Public Resources Code, which requires public agencies to "adopt a reporting and monitoring program for the changes made to the project or conditions of project approval, adopted in order to mitigate or avoid significant effects on the environment." A FMMRP is required for the proposed Project because the EIR has identified significant adverse impacts, and measures have been identified to mitigate those impacts.

The numbering of the individual mitigation measures follows the numbering sequence as found in the Draft EIR.

4.1 MITIGATION MONITORING AND REPORTING PROGRAM

The FMMRP, as outlined in the following table, describes mitigation timing, monitoring responsibilities, and compliance verification responsibility for all mitigation measures identified in this Final EIR.

The City of Irwindale will be the primary agency responsible for implementing the mitigation measures and will continue to monitor mitigation measures that are required to be implemented during the operation of the Project.

The FMMRP is presented in tabular form on the following pages. The components of the FMMRP are described briefly below:

- **Mitigation Measures**: The mitigation measures are taken from the Draft EIR in the same order that they appear in that document.
- **Mitigation Timing**: Identifies at which stage of the Project mitigation must be completed.
- **Monitoring Responsibility**: Identifies the agency that is responsible for mitigation monitoring.
- **Compliance Verification**: This is a space that is available for the monitor to date and initial when the monitoring or mitigation implementation took place.

TABLE 4.0-1: MITIGATION MONITORING AND REPORTING PROGRAM

ENVIRONMENTAL IMPACT	*MITIGATION MEASURE*	*MONITORING RESPONSIBILITY*	*TIMING*	*VERIFICATION (DATE/INITIALS)*
AESTHETICS AND VISUAL RESOURCES				
Impact 3.1-3: Project implementation may result in light and glare impacts.	***Mitigation Measure 3.1-1:*** *A lighting plan for the Project shall be prepared prior to the approval of the Site Plan. The lighting plan shall include light location and details and shall demonstrate that the lighting systems and other exterior lighting throughout the Project site has been designed to minimize light spillage onto adjacent properties to the greatest extent feasible, consistent with the Site Plan and Design Review requirements established in Chapter 17.70 of the City's Municipal Code and the City of Irwindale Commercial and Industrial Design Guidelines (2009). The lighting plan shall be designed for normal levels during operational hours and reduced intensity levels throughout late, non-operational hours (for security purposes), and shall not shine directly in the eyes of pedestrians and shall be shielded to prevent spillover into adjacent residential properties, consistent with the Commercial and Industrial Design Guidelines.*	City of Irwindale Community Development Department	Prior to the issuance of Building Permits	
AIR QUALITY				
Impact 3.2-1: The Project has the potential to conflict with or obstruct implementation of the applicable air quality plan.	*Implement* ***Mitigation Measures 3.2-1 and 3.2-2***	See Mitigation Measures 3.2-1 and 3.2-2	See Mitigation Measures 3.2-1 and 3.2-2	
Impact 3.2-2: Proposed Project operation has the potential to expose sensitive receptors to substantial pollutant concentrations or result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is in nonattainment under an applicable federal or state ambient air quality standard.	***Mitigation Measure 3.2-1:*** *Prior to the Certificate of Occupancy issuance, the Project applicant shall demonstrate to the satisfaction of the Community Development Director and/or their designee that the following measures would be implemented during Project operations. These measures shall be enforced and maintained through Conditions of Approval; Covenants, Codes, and Restrictions (CC&Rs), or other means acceptable to the Community Development Director and/or their designee.* • *The proposed warehouse shall be constructed with the appropriate infrastructure to facilitate sufficient electric charging for trucks to plug-in in anticipation of future technology, sufficient to allow for*	Community Development Director and/or their designee	Prior to the Certificate of Occupancy issuance	

ENVIRONMENTAL IMPACT	*MITIGATION MEASURE*	*MONITORING RESPONSIBILITY*	*TIMING*	*VERIFICATION (DATE/INITIALS)*
	the possibility for all on-site trucks to operate with 100% electric powertrains. • *At least five percent of all vehicle parking spaces shall include rough-in of electrical conduit for future EV charging stations. Electrical panels shall be appropriately sized to allow for future expanded use.* • *Truck refrigeration units (TRUs) shall be prohibited from operating within the Project site, via a condition requiring a restrictive covenant over the Project parcel that prohibits the applicant's use of TRUs on the property.* • *Legible, durable, weather-proof signs shall be placed at truck access gates, loading docks, and truck parking areas that identify applicable California Air Resources Board (CARB) anti-idling regulations. At a minimum each sign shall include: 1) instructions for truck drivers to shut off engines when not in use; 2) instructions for drivers of diesel trucks to restrict idling to no more than five minutes; and 3) telephone numbers of the building facilities manager and CARB to report violations.* • *Limit all on-site vehicle idling to a maximum of five minutes per hour.* • *Maintain a buffer zone of at least 150 feet between truck loading zones/docks and the nearest sensitive receptors.* • *Require the installation of vegetative walls or other effective barriers that separate loading docks and people living or working nearby.* • *All service equipment (i.e., forklifts) used within the site shall be electric or compressed natural gas-powered (propane).* • *In order to promote alternative fuels, and help support "clean" truck fleets, the developer/successor-in-interest shall provide building occupants with information related to SCAQMD's Carl Moyer Program, or other such programs that promote truck retrofits or "clean" vehicles and information including, but not limited to, the health effect of diesel particulates, benefits of reduced idling time, CARB regulations, and importance of not parking in residential areas. Tenants shall be notified about the availability of: 1) alternatively fueled cargo handling equipment; 2) grant programs for diesel-fueled vehicle engine retrofit and/or replacement; 3) designated truck parking locations in the Project vicinity; 4) access to alternative fueling stations proximate to the site that supply*			

ENVIRONMENTAL IMPACT	*MITIGATION MEASURE*	*MONITORING RESPONSIBILITY*	*TIMING*	*VERIFICATION (DATE/INITIALS)*
	compressed natural gas; and 5) the United States Environmental Protection Agency's SmartWay program. • *There shall be provisions for preferential on-site parking for carpoolers and vanpools, sufficient to provide an incentive for carpooling and vanpooling to and from the project site.* • *Construct and designate an area within the Project site for employee pick-up to prevent traffic congestion.* • *Submit a truck queuing analysis to the City of Irwindale Engineering Division to ensure that there are no trucks queuing outside of the facility and that truck traffic does not idle on public streets.* • *Submit an employee training handbook to the City of Irwindale that includes the following:* o *Required facility operator management and employee training on efficient scheduling and load management to eliminate unnecessary queuing and idling of trucks;* o *Required facility operator management and employee training on keeping vehicle records in diesel technologies and compliance with CARB regulations;* o *Required facility operator management and employee to attend courses approved by the California Air Resources Board.* • *Submit a transportation demand management program. The transportation demand management plan shall consider:* o *Transit and ridesharing programs that discourage single-occupancy vehicle trips.* o *Financial incentives for use of alternative modes of transportation, including carpooling, public transit, and biking.*			
Impact 3.2-3: Proposed Project construction has the potential to expose sensitive receptors to substantial pollutant concentrations or result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is in	***Mitigation Measure 3.2-2****: Prior to the grading permit issuance, the Project applicant shall demonstrate to the satisfaction of the City of Irwindale Community Development Department Manager/City Planner and/or their designee that the following measures would be implemented during Project construction activities. These measures shall be enforced and maintained by the construction contractor throughout construction activities.* • *Ensure the cleanest possible construction practices and equipment are used. This includes eliminating the idling of diesel-powered*	Community Development Director and/or their designee	Prior to the grading permit issuance	

ENVIRONMENTAL IMPACT	*MITIGATION MEASURE*	*MONITORING RESPONSIBILITY*	*TIMING*	*VERIFICATION (DATE/INITIALS)*
nonattainment under an applicable federal or state ambient air quality standard.	*equipment and providing the necessary infrastructure (e.g. electrical hookups) to support zero and near-zero equipment and tools, and otherwise requiring the use of construction equipment meeting at least the U.S. EPA's Tier IV compliance standards or better for construction equipment greater than 50 horsepower, and/or utilizing construction vehicles that use alternative fuels such as compressed natural gas (CNG), propane, electricity or biodiesel.* • *Require off-road diesel-powered equipment used during Project construction to be equipped with Tier 4 or cleaner engines, except for specialized construction equipment in which Tier 4 engines are not available. In place of Tier 4 engines, off-road equipment can incorporate retrofits that achieve emission reductions that equal or exceed that of a Tier 4 engine.* • *Require all off-road equipment with a power rating below 19 kilowatts (e.g., plate compactors, pressure washers) used during project construction be battery powered.* • *Implement, and plan accordingly for, the necessary infrastructure to support zero and near-zero emission technology vehicles and equipment that will be operating on-site. Necessary infrastructure shall include the physical (e.g. needed footprint), energy, and fueling infrastructure for construction equipment, on-site vehicles and equipment, and medium-heavy and heavy-duty trucks.* • *In construction contracts, include language that requires all construction equipment and fleets to be in compliance with all current air quality regulations.* • *Keep on-site and furnish to the lead agency or other regulators upon request, all equipment maintenance records and other data sheets, including design specifications and emission control tier classifications.* • *Require that all heavy-duty trucks entering the construction site, during the grading and building construction phases, to be model year 2014 or later. All heavy-duty haul trucks should also meet CARB's lowest optional low-NOx standard starting in the year 2022.* • *Apply water every 3 hours to disturbed areas within a construction site.*			

ENVIRONMENTAL IMPACT	*MITIGATION MEASURE*	*MONITORING RESPONSIBILITY*	*TIMING*	*VERIFICATION (DATE/INITIALS)*
	• *Require minimum soil moisture of 12% for earthmoving by use of a moveable sprinkler system or a water truck. Moisture content can be verified by lab sample or moisture probe.* • *Limit on-site vehicle speeds (on unpaved roads) to 15 mph.* • *Replace ground cover in disturbed areas as quickly as possible.* • *All trucks hauling dirt, sand, soil, or other loose materials are to be tarped with a fabric cover and maintain a freeboard height of 12 inches.* • *Apply chemical dust suppressant annually to unpaved parking areas.* • *Cover inactive storage piles.* • *Sweep streets if visible soil material is carried out from the construction site.* • *Provide information on transit and ridesharing programs and services to construction employees.* • *Post a publicly visible sign written in English and Spanish, which specifies the telephone number and person to contact regarding dust complaints. This person shall respond to complaints and take corrective action within 48 hours. The sign shall be in accordance with SCAQMD and/or City requirements, as applicable.*			
Impact 3.2-5: The proposed Project has the potential to cause substantial adverse effects on human beings, either directly or indirectly.	***Implement Mitigation Measures 3.2-1 and 3.2-2***	See Mitigation Measures 3.2-1 and 3.2-2	See Mitigation Measures 3.2-1 and 3.2-2	
GEOLOGY AND SOILS				
Impact 3.3-2: The proposed Project has the potential to be located on a geologic unit or soil that is unstable, or that would become unstable as a result of Project implementation, and potentially result in landslide,	***Mitigation Measure 3.3-1:*** *Prior to earthmoving activities for each phase of the Project, a certified geotechnical engineer, or equivalent, shall be retained to perform a final geotechnical evaluation of the soils at a design-level as required by the requirements of the California Building Code Title 24, Part 2, Chapter 18, Section 1803.1.1.2 related to expansive soils and other soil conditions. The evaluation shall be prepared in accordance with the standards and requirements outlined in California Building Code, Title 24, Part 2, Chapter 16, Chapter 17, and Chapter 18, which addresses structural design, tests and inspections, and soils and foundation standards. The final*	City of Irwindale Community Development Department	Prior to earthmoving activities for each phase of the Project	

ENVIRONMENTAL IMPACT	*MITIGATION MEASURE*	*MONITORING RESPONSIBILITY*	*TIMING*	*VERIFICATION (DATE/INITIALS)*
lateral spreading, subsidence, liquefaction or collapse.	*geotechnical evaluation shall include design recommendations to ensure that soil conditions do not pose a threat to the health and safety of people or structures, including threats from liquefaction, liquefaction induced settlement, or lateral spreading. The grading and improvement plans, as well as the storm drainage and building plans for each phase of the Project shall be designed in accordance with the recommendations provided in the final geotechnical evaluation.*			
Impact 3.3-3: Potential for expansive soils to create substantial risks to life or property.	*Implement* ***Mitigation Measure 3.3-1***	See Mitigation Measure 3.3-1	See Mitigation Measure 3.3-1	
GREENHOUSE GASES, CLIMATE CHANGE AND ENERGY				
Impact 3.4-1: Potential to generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment	***Mitigation Measure 3.4-1:*** *Prior to the Certificate of Occupancy issuance, the Project Applicant shall demonstrate to the satisfaction of the Community Development Director and/or their designee that the following measures would be implemented during Project operations. These measures shall be enforced and maintained through Conditions of Approval; Covenants, Codes, and Restrictions (CC&Rs), or other means acceptable to the Community Development Director and/or their designee.* • *Install the maximum feasible number of solar energy arrays on the building roof and/or on the Project site to generate on-site solar energy for the facility.* • *Utilize solar energy, on-site and/or off-site, sufficient to provide energy for the entire building's energy consumption on a net annual basis. Purchase off-site energy credits (in part of whole) is allowed, in order to achieve this measure.* • *Plant mature trees and shrubs in landscaping and parking lots, to reduce Project heat impacts.* • *Employ the use of solar-reflective cool pavement, which may include conventional concrete, in the circulation areas surrounding the truck docks within the Project site to reduce heat impacts.*	Community Development Director and/or their designee	Prior to the Certificate of Occupancy issuance	

ENVIRONMENTAL IMPACT	*MITIGATION MEASURE*	*MONITORING RESPONSIBILITY*	*TIMING*	*VERIFICATION (DATE/INITIALS)*
	• *Employ the use of light-colored roofing materials for the Project building.* • *Utilize only Energy Star heating, cooling, and lighting devices and appliances.* • *Employ the use of electric or alternatively-fueled sweeper with high-efficiency particulate air (HEPA) filters.*			
HAZARDS AND HAZARDOUS MATERIALS				
Impact 3.5-1: Potential to create a significant hazard through the routine transport, use, or disposal of hazardous materials or through the reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment.	***Mitigation Measure 3.5-1****: Prior to the commencement of a business operation that involves the transport, storage, use, or disposal of a significant quantity hazardous material within the Project site, the business owner shall submit a Hazardous Materials Business Plan (HMBP) for review and approval by the Los Angeles County Fire Department Health Hazardous Materials Division. The HMBP shall establish management practices for handling, storing, and disposal of hazardous materials, including fuels, paints, cleaners, solvents, pesticides, fertilizers, etc., during operations to reduce the potential for spills and to direct the safe handling of these materials if encountered. The HMBP shall also identify the appropriate area for mixing/loading pesticides and fertilizers and for fuel dispensing, which shall be separated to ensure safety. The areas shall be designed with spillage catchments such that any accidental spillage is prevented from entering waterways. The business owner shall also consult with the Los Angeles County Fire Department Health Hazardous Materials Division to ensure that the particular business operations are compliant with all local, state, and federal regulations relative to their operations (i.e. proper permits for the installation and use of an underground storage of hazardous substances (USTs)). The approved HMBP and any other permit deemed to be required in order to commence the specific business operations shall be maintained onsite and all personnel shall acknowledge that they have reviewed and understand the HMBP and any other permit requirements.*	Los Angeles County Fire Department Health Hazardous Materials Division	Prior to the commence-ment of a business operation that involves the transport, storage, use, or disposal of a significant quantity hazardous material within the Project site	

ENVIRONMENTAL IMPACT	*MITIGATION MEASURE*	*MONITORING RESPONSIBILITY*	*TIMING*	*VERIFICATION (DATE/INITIALS)*
HYDROLOGY AND WATER QUALITY				

Impact 3.6-1: The proposed Project has the potential to violate water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality	***Mitigation Measure 3.6-1****: The Project applicant shall implement the following nonstructural BMPs that focus on preventing pollutants from entering stormwater:*
	• *Pollution Prevention/Good Housekeeping*
	  ○ *Prior to clearing, grading, and disturbances to the ground such as stockpiling, or excavation in each phase of the Project, the Project proponent shall develop a spill response and prevention plan as a component of (1) SWPPPs prepared for construction activities, (2) SWPPPs for facilities subject to the NPDES Stormwater Permit, and (3) spill prevention control and countermeasure plans for qualifying facilities. The spill response and prevention plan shall be implemented during all construction activities.*
	  ○ *Streets and parking lots in all non-residential portions of the Project site shall be swept at least once every two weeks.*
	• *Operation and Maintenance (O&M) of Treatment Controls*
	  ○ *Prior to clearing, grading, and disturbances to the ground such as stockpiling, or excavation in each phase of the Project, the Project proponent shall develop an Operation and Maintenance (O&M) Plan for the storm drainage facilities to ensure long-term performance. The O&M plan shall incorporate the manufacturers' recommended maintenance procedures and include (1) provisions for debris removal, (2) guidance for addressing public health or safety issues, and (3) methods and criteria for assessing the efficacy of the storm drainage system. An annual report shall be submitted to the City certifying that maintenance of the facilities was conducted according to the O&M plan.*
		City of Irwindale Community Development Department	Prior to clearing, grading, and disturbances to the ground such as stockpiling or excavation in each phase of the Project	

Impact 3.6-3: The proposed Project would not alter the existing drainage pattern of the	*Implement* ***Mitigation Measure 3.6-1***	See Mitigation Measure 3.6-1	See Mitigation Measure 3.6-1	

ENVIRONMENTAL IMPACT	*MITIGATION MEASURE*	*MONITORING RESPONSIBILITY*	*TIMING*	*VERIFICATION (DATE/INITIALS)*
site or area, including the alteration of the course of a river or through the addition of impervious surfaces, in a manner which would result in substantial erosion, siltation, surface runoff, flooding, or polluted runoff.				
Impact 3.6-5 The proposed Project has the potential to conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan.	*Implement* ***Mitigation Measure 3.6-1***	See Mitigation Measure 3.6-1	See Mitigation Measure 3.6-1	
NOISE				
Impact 3.7-2: The Project may result in exposure of persons to or generation of substantial temporary increase in ambient noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies – Project Construction.	***Mitigation Measure 3.7-1:*** *To reduce potential construction noise impacts during Project construction, the following multi-part mitigation measure shall be implemented for the Project:* • *All construction equipment powered by internal combustion engines shall be properly muffled and maintained.* • *Quiet construction equipment, particularly air compressors, are to be selected whenever possible.* • *All stationery noise-generating construction equipment such as generators or air compressors are to be located as far as is practical from existing residences. In addition, the Project contractor shall place such stationary construction equipment so that emitted noise is directed away from sensitive receptors nearest the Project site.* • *Unnecessary idling of internal combustion engines is prohibited.* • *The construction contractor shall, to the maximum extent practical, locate on-site equipment staging areas so as to maximize the distance between construction-related noise sources and noise-*	City of Irwindale Community Development Department	During any construction activity	

ENVIRONMENTAL IMPACT	*MITIGATION MEASURE*	*MONITORING RESPONSIBILITY*	*TIMING*	*VERIFICATION (DATE/INITIALS)*
	sensitive receptors nearest the Project site during all Project construction. • *Construction shall be limited to 7 AM to 7 PM on weekdays and 8 AM to 4 PM on Saturdays with no work allowed on Sundays unless otherwise authorized by the City in writing.* • *Staging areas on the Project site shall be located in areas that maximize, to the extent feasible, the distance between staging activity and sensitive receptors.* *These requirements shall be noted on the Project improvement plans.*			
TRANSPORTATION AND CIRCULATION				
Impact 3.8-1: The Project would not conflict or be inconsistent with CEQA Guideline section 15064.3, subdivision (b).	***Mitigation Measure 3.8-1:*** *The Project employer shall be required to provide general commute benefits to employees, which may include financial subsidies or pre-tax deductions for transit, carpooling, and vanpooling activities. All employees shall be eligible for alternative transportation benefits.*	City of Irwindale Community Development Department	Prior to the Certificate of Occupancy issuance	
Impact 3.8-3: The Project would not substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment). (Less than Significant with Mitigation)	***Mitigation Measure 3.8-2****: Any operator of a business within the Project site shall provide the City with a Traffic Plan that illustrates the routes to be used for truck traffic generated by their business. The Traffic Plan shall include way finding signage to ensure that truck drivers can adequately find the appropriate truck routes that should be used. The Traffic Plan shall identify the location of each sign (on and off site), as well as the example sign to be installed. The Traffic Plan shall identify how the plan will be enforced, methods of residents to file a complaint for non-compliance. The Traffic Plan shall include a provision for the City to charge a penalty for non-compliance with the plan. The Traffic Plan shall clearly indicate that all truck traffic is required to make a left turn out of the Project site onto Vincent Avenue and head north toward Arrow Highway where there are appropriate truck routes. Operators of the warehouse shall be responsible for informing truck drivers of the Traffic Plan, which will identify the appropriate truck routes.*	City of Irwindale Community Development Department	Prior to the Certificate of Occupancy issuance	

ENVIRONMENTAL IMPACT	*MITIGATION MEASURE*	*MONITORING RESPONSIBILITY*	*TIMING*	*VERIFICATION (DATE/INITIALS)*
CUMULATIVE IMPACTS				
Impact 4.1: Cumulative Impacts on Aesthetics and Visual Resources	*Implement* ***Mitigation Measure 3.1-1***	See Mitigation Measure 3.1-1	See Mitigation Measure 3.1-1	
Impact 4.2: Cumulative Impact on the Region's Air Quality	*Implement* ***Mitigation Measure 3.2.-1*** *and* ***Mitigation Measure 3.2-2***	See Mitigation Measures 3.2-1 and 3.2-2	See Mitigation Measures 3.2-1 and 3.2-2	
Impact 4.3: Cumulative Impact on Geologic and Soils Resources	*Implement* ***Mitigation Measure 3.3-1***	See Mitigation Measure 3.3-1	See Mitigation Measure 3.3-1	
Impact 4.4: Cumulative Impact on Climate Change from Increased Project-Related Greenhouse Gas Emissions	*Implement* ***Mitigation Measure 3.4-1***	See Mitigation Measure 3.4-1	See Mitigation Measure 3.4-1	
Impact 4.6: Cumulative Impact Related to Hydrology and Water Quality	*Implement* ***Mitigation Measure 3.6-1***	See Mitigation Measure 3.6-1	See Mitigation Measure 3.6-1	

FINDINGS OF FACT AND STATEMENT OF OVERRIDING CONSIDERATION

FOR THE

5175 VINCENT AVENUE PROJECT

(SCH #: 2018121056)

JULY 2021

Prepared for:

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FINDINGS FOR THE 5175 VINCENT AVENUE PROJECT

REQUIRED UNDER THE CALIFORNIA ENVIRONMENTAL QUALITY ACT
(Public Resources Code, Section 21000 et seq)

I. INTRODUCTION

The California Environmental Quality Act (CEQA) (Pub. Resources Code, § 21000 et seq.) requires the City of Irwindale (City), as the CEQA lead agency, to: 1) make written findings when it approves a project for which an environmental impact report (EIR) was certified, and 2) identify overriding considerations for significant and unavoidable impacts identified in the EIR.

This document explains the City's findings regarding the significant and potentially significant impacts identified in the environmental impact report (EIR) prepared for the 5175 Vincent Avenue Project (Project). The statement of overriding considerations in section VII, below, identifies economic, social, technical, and other benefits of the Project that override any significant environmental impacts that would result from the Project.

As required under CEQA, the Final EIR describes the Project, adverse environmental impacts of the Project, and mitigation measures and alternatives that would substantially reduce or avoid those impacts. The information and conclusions contained in the EIR reflect the City's independent judgment.

The Final EIR (which includes the Draft EIR, comments, responses to comments, and revisions to the Draft EIR) for the Project, examined the Project and several alternatives to the Project including: (1) No Project (No Build) Alternative; (2) Multiple Building Alternative; and (3) Maximum FAR Alternative.

These Findings and Statement of Overriding Considerations are presented for adoption by the City Council, as the City's findings under CEQA and the CEQA Guidelines (Cal. Code Regs., title 14, § 15000 et seq.) relating to the Project. These Findings provide the written analysis and conclusions of this City Council regarding the Project's environmental impacts, mitigation measures, alternatives to the Project, and the overriding considerations, which in this City Council's view, justify approval of the Project, despite its environmental effects.

II. GENERAL FINDINGS AND OVERVIEW

Project Overview

The Project site is located north of a Los Angeles County-owned pit, east of Allen Drive, south of Arrow Highway, and west of Vincent Avenue in Irwindale, California. The Project site totals approximately 26.05 acres and is comprised of two vacant parcels; one of which is an undeveloped, recently filled, former aggregate mine pit known as the Manning Pit.

The proposed Project is the development of 26.05 acres of land that was formerly used as a mining pit (Manning Pit) dating back to the 1930s. A reclamation process for the mine was completed and a closure report was approved by the City Council in January 2019 allowing for development of the site. The Project proposes development of a 545,735-sf concrete tilt-up industrial warehouse building on the 26.05-acre site. Approximately 540,447 sf would be ground floor area and 5,000 sf would be mezzanine area.

According to the Institute of Transportation Engineers, a high-cube warehouse is a building that typically has at least 200,000 gross sf of floor area, has a ceiling height of 24 feet or more, and is used primarily for the storage and/or consolidation of manufactured goods (and to a lesser extent, raw materials) prior to their distribution to retail locations or other warehouses. Given that the proposed Project includes an industrial warehouse building totaling 545,735 sf, it is classified as a high-cube warehouse building. End users could include light industrial or manufacturing uses. However, there is not a specific end user/business established for the proposed building at this time. There are a variety of possible businesses that could occupy and operate their business from the proposed building. The uses for the proposed building may include any of the following: Manufacturing Warehouse, Light Industrial, High-Cube Short-term, and High-Cube Transload. These uses are allowed under the Industrial/Business Park land use designation and M-2 “Heavy Manufacturing” zoning designation.

The principal objective of the proposed Project is the approval and subsequent development of the 26.05-acre parcel for Industrial uses. The quantifiable objective of the proposed Project is the development of 26.05 acres with a 545,735-sf industrial warehouse building.

PROPOSED LAND USE CHANGE

The Project site is designated as "Industrial/Business Park" and "Residential" by the City's General Plan Land Use Map and is zoned as M-2 “Heavy Manufacturing”. The Project applicant is requesting a General Plan Amendment to change the current designation from "Residential" to "Industrial/Business Park" for a 6.93-acre portion of APN 8417-034-016. The Project site is also subject to the Irwindale Commercial & Industrial Design Guidelines.

Figures 2.0-7 and 2.0-8 in Chapter 2.0 of the Draft EIR show the existing and proposed land use and zoning, respectively.

LANDSCAPING

Landscaping would be provided along the perimeter of the Project site. Landscaping would consist of hedges, vines and berms for screening, grasses, large and small accent shrubs, and other small and medium plantings. Approximately 226 trees of various types and sizes would also be provided along the perimeter of the site. Additionally, a grass area with a bench and picnic table would be provided in the northeastern corner of the site. This area would be landscaped with various trees and shrubs. Landscaping and trees would be used to screen the warehouse building and associated infrastructure, such as the trash enclosure.

CIRCULATION AND TRANSPORTATION

Access to the Project site would be provided at two locations: one entrance off Vincent Avenue in the southeastern corner of the site, and another entrance off Vincent Avenue in the northeastern corner of the site. Each of these access points allow for emergency vehicle access. As part of the Project, Vincent Avenue along the Project site's frontage would be improved to its ultimate half-section width, including landscaping and parkway improvements, as required by the City of Irwindale. The improvements would provide continuous sidewalks adjacent to the site that would connect to existing sidewalks within the area. Bicycle parking would also be provided.

The site plan includes 199 standard parking stalls and 181 trailer stalls, which would be provided along the perimeter of the site. The trailer parking stalls would be located along the western and eastern boundaries of the site, while the standard parking stalls would be located along the northern and southern boundaries. Two gates would be provided: one near the northwestern corner of the site, and one near the southwestern corner of the site.

UTILITIES

The proposed Project would connect to existing City infrastructure to provide water, sewer, and storm drainage utilities. Existing storm drain, sewer, water, and gas lines/pipes are currently located along Vincent Avenue and Allen Drive. Additionally, storm water facilities (i.e., storm drains and storm drain catch basins) currently exist at the existing industrial park area located immediately north of the site.

Eight-inch sewer lines would be extended from Allen Drive east to the Project site. A 48-inch sewer manhole would be constructed near the Allen Drive and Central Street intersection.

The Project would provide an on-site drainage system consisting of a 48-inch storm drain manhole, a 36-inch by 36-inch catch basin, an 18-inch by 18-inch catch basin, curb drains, and infiltration/detention systems. Biofiltration systems with liners and underdrains would be located around the site perimeter, as well as proprietary high-flow devices. An underground detention system would also be used to mitigate peak flows. Any excess flow would be routed off-site via a 30-inch storm drain pipe prior to ultimately discharging to an existing 90-inch storm drain pipe which is owned and maintained by the Los Angeles County Flood Control District.

The existing water lines would be extended into and loop around the perimeter of the project site. Domestic and irrigation water lines and meters would be provided. A water line for fire services and a fire hydrant would also be provided. The fire hydrant would be provided near the northeastern corner of the site.

Electricity would be provided by Southern California Edison and natural gas would be provided by the Southern California Gas Company.

PROCEDURAL BACKGROUND

Notice of Preparation and Initial Study Public Circulation: The City of Irwindale circulated an Initial Study (IS) and Notice of Preparation (NOP) of an EIR for the proposed Project on February 10, 2020 to the State Clearinghouse, State Responsible Agencies, State Trustee Agencies, Other Public Agencies, Organizations and Interested Persons. A public scoping meeting was held on February 20, 2020 to present the project description to the public and interested agencies, and to receive comments from the public and interested agencies regarding the scope of the environmental analysis to be included in the Draft EIR. Concerns raised in response to the NOP were considered during preparation of the Draft EIR. The IS, NOP and responses to the NOP by interested parties are presented in Appendix A of the Draft EIR.

Notice of Availability and Draft EIR: The City of Irwindale published a public Notice of Availability (NOA) for the Draft EIR on February 17, 2021 inviting comment from the public, agencies, organizations, and other interested parties. The NOA was filed with the State Clearinghouse (SCH # 2018121056) and the County Clerk, and was published in a local newspaper pursuant to the public noticing requirements of CEQA. The Draft EIR was available for public review and comment from February 17, 2021 through April 2, 2021. Comments received in response to the NOP were considered in preparing the analysis in the Draft EIR.

The Draft EIR contains a description of the project, description of the environmental setting, identification of project impacts, and mitigation measures for impacts found to be significant, as well as an analysis of project alternatives, identification of significant irreversible environmental changes, growth-inducing impacts, and cumulative impacts. The Draft EIR identifies issues determined to have no impact or a less-than-significant impact, and provides detailed analysis of potentially significant and significant impacts.

Final EIR: The City of Irwindale received 10 comment letters on the Draft EIR. In accordance with CEQA Guidelines Section 15088, the Final EIR responds to the comments received during the public review period. The Final EIR also contains minor edits to the Draft EIR, which are included in Chapter 3.0, Errata. This document and the Draft EIR, as amended herein, constitute the Final EIR.

Responses to comments do not involve any new significant impacts or "significant new information" that would require recirculation of the Draft EIR pursuant to CEQA Guidelines Section 15088.5. Each response is provided in the Final EIR.

RECORD OF PROCEEDINGS AND CUSTODIAN OF RECORD

For purposes of CEQA and the findings set forth herein, the record of proceedings for the City's findings and determinations consists of the following documents and testimony, at a minimum:

- The NOP, comments received on the NOP, and all other public notices issued by the City in relation to the Project (e.g., Notice of Availability).
- The Draft EIR and Final EIR, including comment letters, and technical materials cited in the documents.

- All non-draft and/or non-confidential reports and memoranda prepared by the City and consultants in relation to the EIR.
- Minutes and transcripts of the discussions regarding the Project and/or Project components at public hearings held by the City.
- Staff reports associated with City Council meetings on the Project.
- Those categories of materials identified in Public Resources Code Section 21167.6.

The City Clerk is the custodian of the administrative record. The documents and materials that constitute the administrative record are available for review at the City of Irwindale at 5050 North Irwindale Avenue, Irwindale, CA 91706.

FINDINGS REQUIRED UNDER CEQA

Public Resources Code section 21002 provides that "public agencies should not approve projects as proposed if there are feasible alternatives or feasible mitigation measures available which would substantially lessen the significant environmental effects of such projects[.]" Further, the procedures required by CEQA "are intended to assist public agencies in systematically identifying both the significant effects of proposed projects and the feasible alternatives or feasible mitigation measures which will avoid or substantially lessen such significant effects." (*Id*.) Section 21002 also provides that "in the event specific economic, social, or other conditions make infeasible such project alternatives or such mitigation measures, individual projects may be approved in spite of one or more significant effects thereof."

The mandate and principles established by the Legislature in Public Resources Code section 21002 are implemented, in part, through the requirement in Public Resources Code section 21081 that agencies must adopt findings before approving projects for which an EIR is required.

CEQA Guidelines section 15091 provides the following direction regarding findings:

> (a) No public agency shall approve or carry out a project for which an EIR has been certified which identifies one or more significant environmental effects of the project unless the public agency makes one or more written findings for each of those significant effects, accompanied by a brief explanation of the rationale for each finding. The possible findings are:
>
> > (1) Changes or alterations have been required in, or incorporated into, the project which avoid or substantially lessen the significant environmental effect as identified in the final EIR.
> >
> > (2) Such changes or alterations are within the responsibility and jurisdiction of another public agency and not the agency making the finding. Such changes have been adopted by such other agency or can and should be adopted by such other agency.

> (3) Specific economic, legal, social, technological, or other considerations, including provision of employment opportunities for highly trained workers, make infeasible the mitigation measures or project alternatives identified in the final EIR.

(See also Pub. Resources Code, § 21081, subd. (a)(1)-(3).)

As defined by CEQA, "feasible" means capable of being accomplished in a successful manner within a reasonable period of time, taking into account economic, environmental, social, legal, and technological factors. (Pub. Resources Code, § 21061.1; see also CEQA Guidelines, § 15126.6(f)(1) [determining the feasibility of alternatives].) The concept of "feasibility" also encompasses the question of whether a particular alternative or mitigation measure promotes the underlying goals and objectives of a project. (See *Association of Irritated Residents v. County of Madera* (2003) 107 Cal.App.4th 1383, 1400 [court upholds findings rejecting a "reduced herd" alternative to a proposed dairy as infeasible because the alternative failed to meet the "fundamental objective" of the project to produce milk]; *Sierra Club v. County of Napa* (2004) 121 Cal.App.4th 1490, 1506-1508 [agency decision-makers, in rejecting alternatives as infeasible, appropriately relied on project objective articulated by project applicant].) Moreover, "'feasibility' under CEQA encompasses 'desirability' to the extent that desirability is based on a reasonable balancing of the relevant economic, environmental, social, legal, and technological factors." (*City of Del Mar v. City of San Diego* (1982) 133 Cal.App.3d 410, 417; *see also California Native Plant Society v. City of Santa Cruz* (2009) 177 Cal.App.4th 957, 1001-1002.

With respect to a project for which significant impacts cannot be feasibly avoided or substantially lessened, a public agency may nevertheless approve the project if the agency first adopts a statement of overriding considerations setting forth the specific reasons that the project's benefits outweigh its significant unavoidable adverse environmental effects. (Pub. Resources Code, §§ 21001, 21002.1(c), 21081(b).)

CEQA Guidelines section 15093 provides the following direction regarding a statement of overriding considerations:

> (a) CEQA requires the decision-making agency to balance, as applicable, the economic, legal, social, technological, or other benefits, including region-wide or statewide environmental benefits, of a proposed project against its unavoidable environmental risks when determining whether to approve the project. If the specific economic, legal, social, technological, or other benefits, including region-wide or statewide environmental benefits, of a proposed project outweigh the unavoidable adverse environmental effects, the adverse environmental effects may be considered "acceptable."
>
> (b) When the lead agency approves a project which will result in the occurrence of significant effects which are identified in the final EIR but are not avoided or substantially lessened, the agency shall state in writing the specific reasons to support its action based on the final EIR and/or other information in the record. The statement of overriding considerations shall be supported by substantial evidence in the record.

(c) If an agency makes a statement of overriding considerations, the statement should be included in the record of the project approval and should be mentioned in the notice of determination. This statement does not substitute for, and shall be in addition to, findings required pursuant to Section 15091.

MITIGATION MONITORING PROGRAM

A Mitigation Monitoring Program has been prepared for the Project and has been adopted concurrently with these Findings. (See Pub. Resources Code, § 21081.6, subd. (a)(1).) The City will use the Mitigation Monitoring Program to track compliance with Project mitigation measures.

CONSIDERATION OF THE ENVIRONMENTAL IMPACT REPORT

In adopting these Findings, this City Council finds that the Final EIR was presented to this City Council, the decision-making body of the lead agency, which reviewed and considered the information in the Final EIR prior to approving the Project. By these findings, this City Council ratifies, adopts, and incorporates the analysis, explanation, findings, responses to comments, and conclusions of the Final EIR. The City Council finds that the Final EIR was completed in compliance with CEQA. The Final EIR represents the independent judgment of the City.

SEVERABILITY

If any term, provision, or portion of these Findings or the application of these Findings to a particular situation is held by a court to be invalid, void, or unenforceable, the remaining provisions of these Findings, or their application to other actions related to the Project, shall continue in full force and effect unless amended or modified by the City.

III. FINDINGS AND RECOMMENDATIONS REGARDING SIGNIFICANT AND UNAVOIDABLE IMPACTS

A. AIR QUALITY

1. IMPACT 3.2-1: THE PROPOSED PROJECT HAS THE POTENTIAL TO CONFLICT WITH OR OBSTRUCT IMPLEMENTATION OF THE APPLICABLE AIR QUALITY PLAN.

(a) Potential Impact. The potential for the Project to conflict with or obstruct implementation of the applicable air quality plan is discussed on pages 3.2-25 through 3.2-28 of the Draft EIR.

(b) Mitigation Measure. The following mitigation measure is hereby adopted and will be implemented as provided by the Mitigation Monitoring Program: Mitigation Measure 3.2-1 and 3.2-1.

(c) Findings. Based upon the EIR and the entire record before this City Council, this City Council finds that:

(1) Effects of Mitigation and Remaining Impacts. The determination of Air Quality Management Plan (AQMP) consistency is primarily concerned with the long-term influence of a Project on air quality. Resultant operational emissions would exceed regional significance thresholds potentially hindering the region's ability to meet state and federal air quality standards, thereby conflicting with Criterion 1. Additionally, the Project could be inconsistent with Criterion 2. Thus, the Project is anticipated to conflict with the Southern California Air Quality Management District (SCAQMD) 2016 AQMP.

The Project would be required to implement the mitigation measures that would effectively reduce emissions, and improve air quality to the extent feasible. It is possible that mitigation, combined with regulatory requirements at the federal, State, and local Air District level, would collectively reduce air emissions to an insignificant level; however, it is not guaranteed and a finding of insignificance is not fully supported based on the facts available at this time. As such, the conclusion at this time is that the impacts related to conflicts with or obstruction of implementation of the applicable air quality plan would be significant and unavoidable.

(2) Overriding Considerations. The environmental, economic, social and other benefits of the Project override any remaining significant adverse impact of the Project associated with impacts to air quality, as more fully stated in the Statement of Overriding Considerations in Section VII, below.

2. IMPACT 3.2-2: PROPOSED PROJECT OPERATION HAS THE POTENTIAL TO EXPOSE SENSITIVE RECEPTORS TO SUBSTANTIAL POLLUTANT CONCENTRATIONS OR RESULT IN A CUMULATIVELY CONSIDERABLE NET INCREASE OF ANY CRITERIA POLLUTANT FOR WHICH THE PROJECT REGION IS IN NONATTAINMENT UNDER AN APPLICABLE FEDERAL OR STATE AMBIENT AIR QUALITY STANDARD.

(a) Potential Impact. The potential for Project operations to expose sensitive receptors to substantial pollutant concentrations or result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is in nonattainment under an applicable federal or state ambient air quality standard is discussed on pages 3.2-28 through 3.2-34 of the Draft EIR.

(b) Mitigation Measure. The following mitigation measure is hereby adopted and will be implemented as provided by the Mitigation Monitoring Program: Mitigation Measure 3.2-1.

(c) Findings. Based upon the EIR and the entire record before this City Council, this City Council finds that:

(1) Effects of Mitigation and Remaining Impacts. Construction-related activities would result in temporary, short-term emissions of diesel particulate matter (DPM) from

the exhaust of off-road, heavy-duty diesel equipment for site preparation (e.g., clearing, grading); paving; application of architectural coatings; and other miscellaneous activities. Construction-generated emissions are temporary and short-term but have the potential to represent a significant air quality impact. Three basic sources of short-term emissions will be generated through construction of the proposed Project: operation of the construction vehicles (i.e., excavators, trenchers, dump trucks), the creation of fugitive dust during clearing and grading, and the use of asphalt or other oil-based substances during paving activities. Construction activities such as excavation and grading operations, construction vehicle traffic, and wind blowing over exposed soils would generate exhaust emissions and fugitive PM emissions that affect local air quality at various times during construction.

As shown in Table 3.2-5 in Section 3.2, Air Quality, daily emissions of reactive organic compounds (ROG), respirable particulate matter (PM_{10}), fine particulate matter ($PM_{2.5}$), sulfur oxides (SO_x), and carbon monoxide (CO) resulting from Project buildout would not exceed the SCAQMD thresholds of significance. However, the emissions threshold for NOx would be exceeded, primarily due to the generation of heavy-duty trucks as part of the proposed Project. It should be noted that the air quality modeling utilized the trip rates associated with the land use that would generate the highest number of trips among those allowed at the site (i.e. the "Light Industrial" land use), as provided in Traffic Impact Analysis (see Appendix D of the Draft EIR). Therefore, the California Emissions Estimator Model (CalEEMod) outputs associated with the operation of the Project (such as those shown in Table 3.2-5) represent a conservative estimate (and possibly and overestimate) of Project emissions associated with the mobile source category, as other allowed land uses are anticipated to generate fewer trips than those modeled. It should also be noted that the modeling does not take into account the new Omnibus Low-NOx Rule approved by CARB August 28, 2020, which will require engine NOx emissions to be cut to approximately 75% below current standards beginning in 2024, and 90% below current standards in 2027. The rule also places nine additional regulatory requirements on new heavy-duty truck and engines.

Localized Emission Threshold (LST) Analysis was also completed for the Project. The nearest existing sensitive receptors to the Project site are located approximately 75 feet to the east of the Project site, across Vincent Avenue (i.e. residential receptors). Additionally, there are residential receptors located approximately 380 feet to the west of the Project site. Moreover, residential land uses are planned for the area adjacent to the Project site (to the west). LST thresholds are provided for distances to sensitive receptors of 25, 50, 100, 200, and 500 meters. Therefore, operational LSTs for receptors located at the closest distance (25 meters) were utilized in this analysis. As seen in Table 3.2-6 in Section 3.2, the emissions of these pollutants on the peak day of operations would not result in significant concentrations of pollutants at nearby sensitive receptors. Therefore, significant impacts would not occur concerning LSTs during operational activities.

Nevertheless, the Project would be required to implement Mitigation Measure 3.2-1, as well as Mitigation Measure 3.4-1. Implementation of California Air Resources Board (CARB) and SCAQMD recommendations are incorporated into Mitigation Measure 3.2-1. Mitigation Measure 3.2-1 includes requirements to construct infrastructure to facilitate electric charged for trucks, electric vehicle charging stations, and signs identifying anti-idling regulations, enforcement of a buffer zone between truck loading zones/docks and the nearest sensitive receptors, requirements relating to electric or compressed natural gas-powered (propane) forklifts, promotion of "clean" truck fleets, and incorporation of provisions for preferential parking for carpoolers and vanpools.

These mitigation measures would effectively reduce emissions, and improve air quality to the extent feasible. It is possible that mitigation, combined with regulatory requirements at the federal, State, and local Air District level, would collectively reduce air emissions to an insignificant level; however, it is not guaranteed and a finding of insignificance is not fully supported based on the facts available at this time. As such, the potential for Project operations to expose sensitive receptors to substantial pollutant concentrations or result in a cumulatively considerable net increase of any criteria pollutant would be significant and unavoidable.

(2) Overriding Considerations. The environmental, economic, social and other benefits of the Project override any remaining significant adverse impact of the Project associated with impacts to air quality, as more fully stated in the Statement of Overriding Considerations in Section VII, below.

3. IMPACT 3.2-5: THE PROPOSED PROJECT HAS THE POTENTIAL TO CAUSE SUBSTANTIAL ADVERSE EFFECTS ON HUMAN BEINGS, EITHER DIRECTLY OR INDIRECTLY.

(a) Potential Impact. The potential for the Project to result in cause substantial adverse effects on human beings, either directly or indirectly, is discussed on pages 3.2-42 through 3.2-46 of the Draft EIR.

(b) Mitigation Measures. The following mitigation measures are hereby adopted and will be implemented as provided by the Mitigation Monitoring Program: Mitigation Measures 3.2-1 and 3.2-2.

(c) Findings. Based upon the EIR and the entire record before this City Council, this City Council finds that:

(1) Effects of Mitigation and Remaining Impacts. The increases in criteria pollutants generated by the proposed Project when combined with the existing criteria pollutants emitted regionally, would affect people, especially those with impaired respiratory systems located in the immediate vicinity of the Project site. Construction emissions would be temporary in nature, while the operational

activities of a Project would be most likely to cause substantial adverse effects on human beings, since ongoing, chronic, and lifetime exposure to criteria pollutants are key in the level of health impact. However, the increases of these pollutants generated by the proposed Project are not on their own likely to generate an increase in the number of days exceeding the health-based NAAQS or CAAQS standards, based on the size of the Project in comparison to Los Angeles County as a whole. Nevertheless, even with implementation of the mitigation measures provided in this section (Mitigation Measures 3.2-1 and 3.2-2), operational NOx emissions would be above the applicable SCAQMD mass emission threshold. As such, the impacts related to substantial adverse effects on human beings, either directly or indirectly, would be significant and unavoidable.

(2) Overriding Considerations. The environmental, economic, social and other benefits of the Project override any remaining significant adverse impact of the Project associated with impacts to air quality, as more fully stated in the Statement of Overriding Considerations in Section VII, below.

4. IMPACT 4.2: CUMULATIVE IMPACT ON THE REGION'S AIR QUALITY

(a) Potential Impact. The potential for the Project to have a cumulative impact on the region's air quality is discussed on pages 4.0-5 and 4.0-6 of the Draft EIR.

(b) Mitigation Measures. The following mitigation measures are hereby adopted and will be implemented as provided by the Mitigation Monitoring Program: Mitigation Measures 3.2-1 and 3.2-2.

(c) Findings. Based upon the EIR and the entire record before this City Council, this City Council finds that:

(1) Effects of Mitigation and Remaining Impacts. Under buildout conditions in Los Angeles County, the SCAB would continue to experience increases in criteria pollutants and efforts to improve air quality throughout the basin would be hindered. As described in Section 3.2, Los Angeles County has a state designation of nonattainment for ozone, PM_{10}, and $PM_{2.5}$ and is either unclassified or attainment for all other criteria pollutants. The County has a national designation of nonattainment for ozone and $PM_{2.5}$.

As discussed under Impact 3.2-2 in Section 3.2, the proposed Project would result in increased emissions primarily from vehicle miles travelled associated with Project implementation. The SCAQMD has established operation-related emissions thresholds of significance and it was determined that daily emissions of ROG, PM_{10}, $PM_{2.5}$, SOx, and CO resulting from Project buildout would not exceed the SCAQMD thresholds of significance. However, the emissions threshold for NOx would be exceeded, primarily due to the generation of heavy-duty trucks as part of the proposed Project.

Implementation of CARB and SCAQMD recommendations in Mitigation Measure 3.2-1 would be required. However, even with the implementation of identified mitigation, Project-related heavy-duty truck travel would result in SCAQMD daily significance thresholds being exceeded. This results in a cumulatively considerable net increase of NOx (an ozone precursor), for which the Project region is in nonattainment under an applicable federal or state ambient air quality standard.

Although implementation of the proposed Project would not generate significant concentrations of pollutants at nearby sensitive receptors, the proposed Project is expected to exceed the SCAQMD mass threshold for operational NOx, as modeled. Mitigation is provided to reduce emissions to the maximum extent feasible. However, even after implementation of these mitigation measures, operation of the Project would have a significant and unavoidable impact related to the potential to expose sensitive receptors to substantial pollutant concentrations or result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is in nonattainment.

Additionally, construction-generated emissions are temporary and short-term but have the potential to represent a significant air quality impact. Emissions generated during Project construction would not exceed the SCAQMD's regional thresholds of significance. Therefore, criteria pollutant emissions generated during Project construction would not result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is nonattainment under an applicable federal or state ambient air quality standard. Further, diesel emissions generated during the construction of the Project could impact sensitive receptors within the Project area. Maximum air pollutant emissions resulting from Project construction would not result in significant concentrations of pollutants at nearby sensitive receptors. Therefore, impacts concerning LSTs during construction activities would be less than significant.

The increases in criteria pollutants generated by the proposed Project when combined with the existing criteria pollutants emitted regionally, would affect people, especially those with impaired respiratory systems located in the immediate vicinity of the Project site. Construction emissions would be temporary in nature, while the operational activities of a Project would be most likely to cause substantial adverse effects on human beings, since ongoing, chronic, and lifetime exposure to criteria pollutants are key in the level of health impact. However, the increases of these pollutants generated by the proposed Project are not on their own likely to generate an increase in the number of days exceeding the health-based national or state air quality standards, based on the size of the Project in comparison to Los Angeles County as a whole. Nevertheless, even with implementation of the mitigation measures provided in Section 3.2 (Mitigation Measures 3.2-1 and 3.2-2), operational NOx emissions would be above the applicable SCAQMD mass emission threshold. As such, implementation of the proposed Project would have a

cumulatively considerable contribution and significant and unavoidable impact from air emissions.

(2) Overriding Considerations. The environmental, economic, social and other benefits of the Project override any remaining significant adverse impact of the Project associated with cumulative impacts to the region's air quality, as more fully stated in the Statement of Overriding Considerations in Section VII, below.

IV. FINDINGS AND RECOMMENDATIONS REGARDING SIGNIFICANT IMPACTS WHICH ARE MITIGATED TO A LESS THAN SIGNIFICANT LEVEL

A. AESTHETICS AND VISUAL RESOURCES

1. IMPACT 3.1-3: PROJECT IMPLEMENTATION MAY RESULT IN LIGHT AND GLARE IMPACTS.

(a) Potential Impact. The potential for the Project to result in light and glare impacts is discussed on pages 3.1-8 and 3.1-9 of the Draft EIR.

(b) Mitigation Measure. The following mitigation measure is hereby adopted and will be implemented as provided by the Mitigation Monitoring Program: Mitigation Measure 3.1-1.

(c) Findings. Development of the site with an industrial warehouse use would introduce lighting to the site that does not currently exist. Lighting would primarily consist of interior lighting within the building, security and landscape lighting surrounding the building, and security lighting along interior pedestrian walkways and within the parking areas. There are no specific lighting features within the proposed Project that would create unusual or significant impacts on adjacent uses associated with the lighting. The Project site is not located directly adjacent to residential uses or other sensitive receptors that would potentially be impacted as a result of new light sources within the Project site.

The proposed Project would be subject to the City of Irwindale's Site Plan and Design Review process (Chapter 17.70 of the City's Municipal Code), which provides direction on appropriate Project lighting, location, mounting, direction, and standards to prevent adverse effect on surrounding properties. The proposed Project would also be designed consistent with the City's Commercial and Industrial Design Guidelines (2009), which contain standards to prevent light spillover onto adjacent property. Outdoor lighting would be installed in conformance with all City codes and ordinances, applicable safety and illumination requirements, and California Title 24 requirements. Proposed lighting would also be placed to ensure it illuminates only the intended areas and does not penetrate into residential communities or adjacent properties.

Compliance with the City's Municipal Code would reduce potential impacts associated with the introduction of lighting to the Project site. Through the design review and approval process, lighting proposed for the Project site would be reviewed to ensure spillover lighting onto adjacent properties would be minimized. Impacts would be reduced to a less than significant level.

Implementation of Mitigation Measures 3.1-1 would reduce potential impacts associated with nighttime lighting, glare and light spillage onto adjacent properties to a less than significant level.

In accordance with Public Resources Code, § 21081, Mitigation Measure 3.1-1 is an appropriate change or alteration that has been required in, or incorporated into, the Project which avoid or substantially lessen the significant environmental effect as identified in the EIR. Based upon the EIR and the entire record before this City Council, this City Council finds that the potential for adverse effects from light or glare will be mitigated to a less than significant level.

B. AIR QUALITY

1. IMPACT 3.2-3: PROPOSED PROJECT CONSTRUCTION HAS THE POTENTIAL TO EXPOSE SENSITIVE RECEPTORS TO SUBSTANTIAL POLLUTANT CONCENTRATIONS OR RESULT IN A CUMULATIVELY CONSIDERABLE NET INCREASE OF ANY CRITERIA POLLUTANT FOR WHICH THE PROJECT REGION IS IN NONATTAINMENT UNDER AN APPLICABLE FEDERAL OR STATE AMBIENT AIR QUALITY STANDARD.

   (a) Potential Impact. The potential for the Project to expose sensitive receptors to substantial pollutant concentrations or result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is in nonattainment under an applicable federal or state ambient air quality standard is discussed on pages 3.2-34 through 3.2-28 of the Draft EIR.

   (b) Mitigation Measure. The following mitigation measure is hereby adopted and will be implemented as provided by the Mitigation Monitoring Program: Mitigation Measure 3.2-2.

   (c) Findings. Construction-generated emissions are temporary and short-term but have the potential to represent a significant air quality impact. Three basic sources of short-term emissions will be generated through construction of the proposed Project: operation of the construction vehicles (i.e., excavators, trenchers, dump trucks), the creation of fugitive dust during clearing and grading, and the use of asphalt or other oil-based substances during paving activities. Construction activities such as excavation and grading operations, construction vehicle traffic, and wind blowing over exposed soils would generate exhaust emissions and fugitive PM emissions that affect local air quality at various times during construction. Effects would be variable depending on the weather, soil conditions, the amount of activity taking place, and the nature of dust

control efforts. The dry climate of the area during the summer months creates a high potential for dust generation. Construction activities would be subject to SCAQMD Rule 403, which requires taking reasonable precautions to prevent the emissions of fugitive dust, such as using water or chemicals, where possible, for control of dust during the clearing of land and other construction activities.

The emissions generated during Project construction would not exceed the SCAQMD's regional thresholds of significance. Therefore, criteria pollutant emissions generated during Project construction would not result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is nonattainment under an applicable federal or state ambient air quality standard. Additionally, the maximum air pollutant emissions resulting from Project construction would not result in significant concentrations of pollutants at nearby sensitive receptors.

The proposed Project would be required to implement Mitigation Measure 3.2-2, which requires the Project applicant to demonstrate to the satisfaction of the City of Irwindale Community Development Department Manager/City Planner and/or their designee that various measures would be implemented during Project construction activities. These measures would be enforced and maintained by the construction contractor throughout construction activities.

In accordance with Public Resources Code, § 21081, Mitigation Measure 3.2-2 is an appropriate change or alteration that has been required in, or incorporated into, the Project which avoid or substantially lessen the significant environmental effect as identified in the EIR. Based upon the EIR and the entire record before this City Council, this City Council finds that the potential for the Project to cause a violation of an air quality standard or contribute substantially to an existing or projected air quality violation will be mitigated to a less than significant level.

C. GEOLOGY AND SOILS

1. IMPACT 3.3-2: THE PROPOSED PROJECT HAS THE POTENTIAL TO BE LOCATED ON A GEOLOGIC UNIT OR SOIL THAT IS UNSTABLE, OR THAT WOULD BECOME UNSTABLE AS A RESULT OF PROJECT IMPLEMENTATION, AND POTENTIALLY RESULT IN LANDSLIDE, LATERAL SPREADING, SUBSIDENCE, LIQUEFACTION OR COLLAPSE.

   (a) Potential Impact. The potential to be located on a geologic unit or soil that is unstable, or that would become unstable as a result of Project implementation, and potentially result in landslide, lateral spreading, subsidence, liquefaction or collapse is discussed on pages 3.3-14 and 3.3-15 of the Draft EIR.

   (b) Mitigation Measures. The following mitigation measure is hereby adopted and will be implemented as provided by the Mitigation Monitoring Program: Mitigation Measure 3.3-1.

(c) Findings. Soil data suggests there is a moderate potential for liquefaction of the underlaying soils within the Project site. However, as a result of previous remediation, grading and compaction efforts, the potential for liquefaction on the Project site is considered low. The City of Irwindale 2020 General Plan Safety Element requires sites susceptible to liquefaction to implement mitigation measures to reduce liquefaction hazards to an acceptable, less than significant level. Since the potential for liquefaction is low due to previous remediation, grading and compaction efforts, the potential for lateral spreading is also considered to be low. Additionally, since the potential for liquefaction is low due to previous remediation, grading and compaction efforts, the potential for collapsible soils is also considered to be low. However, as stated, sites susceptible to liquefaction conditions would be required to implement mitigation measures to reduce the potential hazard associated with development.

Further, the Project site is relatively flat as a result of remediation and engineering efforts. According to geologic site reviews, and site grading and compaction efforts, there are no slopes or topographical features within the area subject to landslides. Subsidence has not been identified in the Irwindale General Plan as an issue in the Irwindale area.

Soil analysis and management plans have been prepared for the Project site over the last 11 years, including an Excavation Management Plan for the Manning Pit – North Portion of Manning Pit, developed by The Source Group (2009) and a Grading Progress Report, developed by Tetra Tech BAS Geosciences (2015). The Excavation Management Plan was prepared in order to comply with the requirements of both the RWQCB and the SCAQMD. The Project site does not have a significant risk of becoming unstable as a result landslide, subsidence, or soil collapse. There is a potential for liquefaction, liquefaction induced settlement, and lateral spreading, of the underlaying soils. However, Mitigation Measure 3.3-1 requires a final geotechnical evaluation of the soils at a design-level, which would include design recommendations to ensure that soil conditions do not pose a threat to the health and safety of people or structures, including threats from liquefaction, liquefaction induced settlement, or lateral spreading.

In accordance with Public Resources Code, § 21081, Mitigation Measures 3.3-1 is an appropriate change or alteration that has been required in, or incorporated into, the Project which avoid or substantially lessen the significant environmental effect as identified in the EIR. Based upon the EIR and the entire record before this City Council, this City Council finds that the potential to be located on a geologic unit or soil that is unstable, or that would become unstable as a result of Project implementation, and potentially result in landslide, lateral spreading, subsidence, liquefaction or collapse will be mitigated to a less than significant level.

2. IMPACT 3.3-3: POTENTIAL FOR EXPANSIVE SOILS TO CREATE SUBSTANTIAL RISKS TO LIFE OR PROPERTY.

   (a) Potential Impact. The potential for expansive soils to create substantial risks to life or property is discussed on pages 3.3-15 and 3.3-16 of the Draft EIR.

   (b) Mitigation Measures. The following mitigation measure is hereby adopted and will be implemented as provided by the Mitigation Monitoring Program: implementation of Mitigation Measure 3.3-1.

   (c) Findings. Although engineered artificial fills occur within the Project Site, seismic hazard zoning for expansive soils of the Project site is governed by the expansive susceptibility of natural soils underlying the fill sites. According to the Natural Resources Conservation Service (NRCS) Web Soil Survey, the soils in the Project site have a low shrink-swell potential. The NRCS Web Soil Survey indicates that near surface soils within the Project site have low plasticity, and the expansion potential of the soils would respond to fluctuations in moisture content.

   The California Building Code Title 24, Part 2, Chapter 18, Section 1803.1.1.2 requires specific geotechnical evaluation when a preliminary geotechnical evaluation determines that expansive or other special soil conditions are present, which, if not corrected, would lead to structural defects. Collectively, these state requirements, which have been adopted by the City of Irwindale, include design standards and requirements that are intended to minimize impacts to structures in seismically active areas of California. Section 1613 specifically provides structural design standards for earthquake loads. Section 1803.5.11 and 1803.5.12 provide requirements for geotechnical investigations for structures assigned varying Seismic Design Categories in accordance with Section 1613. Design in accordance with these standards and policies would reduce any potential impact to the extent feasible.

   Mitigation Measure 3.3-1, presented above, provides the requirement for a final geotechnical evaluation in accordance with the standards and requirements outlined in the California Building Code, Title 24, Part 2, Chapter 16, Chapter 17, and Chapter 18, which addresses structural design, tests and inspections, and soils and foundation standards. The final geotechnical evaluation would include design recommendations to ensure that soil conditions do not pose a threat to the health and safety of people or structures. The grading and improvement plans, as well as the storm drainage and building plans, are required to be designed in accordance with the recommendations provided in the final geotechnical evaluation.

   In accordance with Public Resources Code, § 21081, Mitigation Measures 3.3-1 is an appropriate change or alteration that has been required in, or incorporated into, the Project which avoid or substantially lessen the significant environmental effect as identified in the EIR. Based upon the EIR and the entire record before this City Council,

this City Council finds that the potential to result in impacts from expansive soils will be mitigated to a less than significant level.

E. HAZARDS AND HAZARDOUS MATERIALS

1. IMPACT 3.5-1: POTENTIAL TO CREATE A SIGNIFICANT HAZARD THROUGH THE ROUTINE TRANSPORT, USE, OR DISPOSAL OF HAZARDOUS MATERIALS OR THROUGH THE REASONABLY FORESEEABLE UPSET AND ACCIDENT CONDITIONS INVOLVING THE RELEASE OF HAZARDOUS MATERIALS INTO THE ENVIRONMENT.

(a) Potential Impact. The potential for the Project to create a significant hazard through the routine transport, use, or disposal of hazardous materials or through the reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment is discussed on pages 3.8-12 through 3.7-14 of the Draft EIR.

(b) Mitigation Measure. The following mitigation measure is hereby adopted and will be implemented as provided by the Mitigation Monitoring Program: Mitigation Measure 3.5-1.

(c) Findings. Construction activities would occur in phases through the development of the proposed Project. Construction equipment and materials would likely require the use of petroleum-based products (oil, gasoline, diesel fuel), and a variety of chemicals including paints, cleaners, and solvents. The use of these materials at a construction site could pose a reasonable risk of release into the environment if not properly handled, stored, and transported. More specifically, a release into the environment could pose significant impacts to the health and welfare of people and/or wildlife, and could result in contamination of water (groundwater or surface water), habitat, and other natural resources. Transportation, storage, use, and disposal of hazardous materials during construction activities would be required to comply with applicable federal, state, and local statutes and regulations. Compliance would ensure that human health and the environment are not exposed to hazardous materials resulting in a significant impact.

The operational phase would occur after construction is completed and business operations commence on a day-to-day basis. Due to the past use of the site and the recent remediation efforts completed by the City, soil contamination and underground facilities (i.e., underground wells, septic systems, etc.) do not occur within the site.

There is not a specific end user/business established for the building at this time. The uses for the proposed building may include any of the following: Manufacturing Warehouse, Light Industrial, High-Cube Short-term, and High-Cube Transload; refer to Section 2.0, Project Description. These uses are allowed under the Industrial/Business Park land use designation and M-2 “Heavy Manufacturing” zoning designation. However, the Project would be conditioned to specifically prohibit the following uses: fulfillment center, parcel hub, and cold storage facility.

Depending on the ultimate end user, there is a risk of release of hazardous materials into the environment if they are not stored and handled in accordance with best management practices. There is a wide variety of hazardous materials that could be used as part of industrial and commercial operations within the proposed warehouse building. Any operations that involve the use of hazardous materials would be required to have the hazardous material transported, stored, used, and disposed of in compliance with local, state, and federal regulations. The Los Angeles County Fire Department Health Hazardous Materials Division is the CUPA for Los Angeles County and is responsible for the implementation of statewide programs within the City including Hazardous Materials Business Plan (HMBP) requirements, among numerous other programs. Implementation of this program involves permitting, inspecting, providing education/guidance, investigations, and enforcement. The Los Angeles County Fire Department Health Hazardous Materials Division also requires facilities/businesses to report hazardous materials using the California Environmental Reporting System (CERS) that exceed the hazardous materials reporting thresholds outlined in their Hazardous Materials Reporting Matrix as well as the thresholds under State Law, pursuant to Health & Safety Code (HSC), Chapter 6.95, Article 1, §25507. State law requires that specified changes or updates to a facility's reportable inventory be submitted in CERS within 30 days (HSC §25508.1). In addition, a facility is required to submit the hazardous materials inventory annually by the deadline set by the Los Angeles County Fire Department Health Hazardous Materials Division. Consistency with local, state, and federal regulations related to the transport, storage, use, and disposal of hazardous materials ensures that the potential risk of upset and accident conditions from a release is minimized to the extent practical.

Implementation of the federal, state, and local requirements for the proper handling, transport, and disposal of hazardous materials would reduce potential impacts associated with the Project. As the specific end user is not currently known, compliance with Mitigation Measure 3.5-1 will ensure that business operators consult with the Los Angeles County Fire Department Health Hazardous Materials Division for education/guidance related to specific requirements that their businesses must implement in the day-to-day operations. This includes the establishment of management practices for handling, storing, and disposal of hazardous materials, including fuels, paints, cleaners, solvents, pesticides, fertilizers, etc., during operations to reduce the potential for spills and to direct the safe handling of these materials if encountered. It also includes consultation related to specific permits that a business may require in order to operate (i.e., permits of underground storage tanks if they are part of the business).

In accordance with Public Resources Code, § 21081, Mitigation Measure 3.5-1 is an appropriate change or alteration that has been required in, or incorporated into, the Project which avoid or substantially lessen the significant environmental effect as identified in the EIR. Based upon the EIR and the entire record before this City Council, this City Council finds that the potential to create a significant hazard through the

routine transport, use, or disposal of hazardous materials or through the reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment will be mitigated to a less than significant level.

F. HYDROLOGY AND WATER QUALITY

1. IMPACT 3.6-1: THE PROPOSED PROJECT HAS THE POTENTIAL TO VIOLATE WATER QUALITY STANDARDS OR WASTE DISCHARGE REQUIREMENTS OR OTHERWISE SUBSTANTIALLY DEGRADE SURFACE OR GROUND WATER QUALITY.

(a) Potential Impact. The potential for the Project to violate water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality is discussed on pages 3.6-18 through 3.6-20 of the Draft EIR.

(b) Mitigation Measures. The following mitigation measure is hereby adopted and will be implemented as provided by the Mitigation Monitoring Program: Mitigation Measure 3.6-1.

(c) Findings. Grading, excavation, removal of vegetation cover, and loading activities associated with construction activities could temporarily increase runoff, erosion, and sedimentation. Construction activities also could result in soil compaction and wind erosion effects that could adversely affect soils and reduce the revegetation potential at construction sites and staging areas. To ensure Project construction activities are covered under General Permit 2009-0009-DWQ (amended by 2010-0014-DWQ & 2012-0006-DWQ), the Project would be required to prepare a Stormwater Pollution Prevention Plan (SWPPP) containing Best Management Practices (BMPs) to reduce erosion and sediments to meet water quality standards. Such BMPs may include: temporary erosion control measures such as silt fences, staked straw bales/wattles, silt/sediment basins and traps, check dams, geofabric, sandbag dikes, and temporary revegetation or other ground cover. The BMPs and overall SWPPP is reviewed by the Regional Water Quality Control Board as part of the permitting process. The SWPPP, once approved, is kept on site and implemented during construction activities and must be made available upon request to representatives of the RWQCB and/or the lead agency. Upon completion of the project, the applicant would be required to submit a Notice of Termination to the State Regional Water Quality Control Board to indicate that construction is completed. Mandatory compliance with the SWPPP would ensure that the proposed Project would not violate any water quality standards or waste discharge requirements during construction activities. Therefore, water quality impacts associated with construction activities would be less than significant.

The long-term operations of the proposed Project (all phases) could result in long-term impacts to surface water quality from urban stormwater runoff. The proposed Project would result in increased impervious area at the site as a result of the proposed development. Normal activities in these developed areas include the use of various automotive petroleum products (i.e. oil, grease, and fuel), common household

hazardous materials, heavy metals, pesticides, herbicides, fertilizers, and sediment. Within urban areas, these pollutants are generally called nonpoint source pollutants. The pollutant levels vary based on factors such as time between storm events, volume of storm event, type of uses, and density of people.

The Project site consists of two drainage sub-areas, 1A (12.83 acres) and 2A (12.62 acres), which roughly bisect the site. The onsite runoff will be conveyed via curb gutter, ribbon gutter, downspouts and sheet flow into proposed catch basins with filter inserts then routed via storm drain pipes to a proposed underground infiltration/detention system. The underground infiltration system will be utilized as a combination of stormwater treatment/storage and on-site detention system. Any excess flow would be routed off-site via a 30-inch storm drain pipe prior to ultimately discharging to an existing 90-inch storm drain pipe which is owned and maintained by the Los Angeles County Flood Control District.

In order to meet the City of Irwindale and County of Los Angeles storm water quality requirements, a combination of a rain garden and/or underground infiltration/detention system will be utilized as LID treatment devices to treat the low-flow. The underground infiltration/detention system will be located within an area (50-feet wide, eight-feet high, and 653-feet long) on the west side of the property. The rain garden areas will be located throughout the site, mainly around the perimeter. Within subarea 2A, the low flow will discharge into the LID treatment device rain garden via curb openings and then directed into the underground infiltration/detention system via infiltration. Subarea 1A will be directed to and treated by the proposed underground infiltration/detention system via underground storm drain pipe. The owner of the property will privately maintain the on-site drainage system, which would consist of catch basin, curb drains, and infiltration/detention system. The proposed storm drains and infiltration/detention system has been designed to convey the required flow rates and will comply with the flood protection and storm water quality requirements of the City of Irwindale and County of Los Angeles. Thus, construction and operation of the proposed storm drain facilities would ensure that storm water would be conveyed and treated prior to outletting to the regional storm drain system, resulting in less than significant impacts to water quality.

Mitigation Measure 3.6-1 ensures compliance with existing regulatory requirements to prepare a SWPPP designed to control erosion and the loss of topsoil to the extent practicable using BMPs that the RWQCB has deemed effective in controlling erosion, sedimentation, runoff during construction activities. The RWQCB has stated that these erosion control measures are only examples of what should be considered and should not preclude new or innovative approaches currently available or being developed. The specific controls are subject to the review and approval by the RWQCB and are an existing regulatory requirement. Implementation of the proposed Project would have a less than significant impact relative to this topic.

In accordance with Public Resources Code, § 21081, Mitigation Measure 3.6-1 is an appropriate change or alteration that has been required in, or incorporated into, the Project which avoid or substantially lessen the significant environmental effect as identified in the EIR. Based upon the EIR and the entire record before this City Council, this City Council finds that the potential for the Project to violate water quality standards or waste discharge requirements during construction will be mitigated to a less than significant level.

G. NOISE

1. IMPACT 3.7-2: THE PROJECT MAY RESULT IN EXPOSURE OF PERSONS TO OR GENERATION OF SUBSTANTIAL TEMPORARY INCREASE IN AMBIENT NOISE LEVELS IN EXCESS OF STANDARDS ESTABLISHED IN THE LOCAL GENERAL PLAN OR NOISE ORDINANCE, OR APPLICABLE STANDARDS OF OTHER AGENCIES – PROJECT CONSTRUCTION.

(a) Potential Impact. The potential for the Project to increase noise levels associated with construction activities is discussed on pages 3.7-16 through 3.7-18 of the Draft EIR.

(b) Mitigation Measure. The following mitigation measure is hereby adopted and will be implemented as provided by the Mitigation Monitoring Program: Mitigation Measure 3.7-1.

(c) Findings. During the construction phases of the Project, noise from construction activities would add to the noise environment in the immediate Project vicinity. Site preparation, grading, and building construction are predicted to be the loudest phases of construction with an average noise exposure of 88 A-weighted sound levels (expressed as dBA) at 50 feet. The proposed Project is predicted to generate average construction noise levels of less than 75 dBA equivalent or energy-averaged sound level (L_{eq}) at the boundaries of the Project site.

Per the City of Irwindale noise ordinance, if construction activities are within a radius of 500 feet of a residential zone, construction activities exceeding 75 dBA ambient base noise levels between 7 a.m. and 7 p.m. at the property boundary of an industrial zone would be considered a significant impact, unless authorization therefore has been duly obtained beforehand from the building inspector. Construction of the Project is not predicted to cause construction noise levels to exceed 75 dBA L_{eq} at the Project boundaries.

Compliance with the City's permissible hours of construction, as well as implementing the best management noise reduction techniques and practices (both outlined in Mitigation Measure 3.7-1), would ensure that construction noise would not result in a substantial temporary increase in ambient noise levels that would result in annoyance or sleep disturbance of nearby sensitive receptors. Mitigation Measure 3.7-1 requires Project construction activities to implement various measures during construction in order to reduce potential noise impacts.

In accordance with Public Resources Code, Section 21081, Mitigation Measure 3.7-1 is an appropriate change or alteration that has been required in, or incorporated into, the Project which avoid or substantially lessen the significant environmental effect as identified in the EIR. Based upon the EIR and the entire record before this City Council, this City Council finds that the potential for the Project to increase noise levels associated with construction activities will be mitigated to a less than significant level.

H. TRANSPORTATION AND CIRCULATION

1. IMPACT 3.8-1: THE PROJECT WOULD NOT CONFLICT OR BE INCONSISTENT WITH CEQA GUIDELINE SECTION 15064.3, SUBDIVISION (B).

(a) Potential Impact. The potential for proposed Project to conflict or be inconsistent with CEQA Guideline section 15064.3, subdivision (b) is discussed on pages 3.8-7 through 3.8-10 of the Draft EIR.

(b) Mitigation Measures. The following mitigation measure is hereby adopted and will be implemented as provided by the Mitigation Monitoring Program: Mitigation Measure 3.8-1.

(c) Findings. Because the proposed Project does not satisfy any of the San Gabriel Valley Council of Governments (SGVCOG) screening criteria, a detailed vehicle-miles-traveled (VMT) analysis for the Project was performed using the SGVCOG VMT Evaluation Tool. The SGVCOG VMT Evaluation Tool was developed using data from the Southern California Association of Governments (SCAG) Regional Travel Demand Model (2016 RTP Base Year 2012 data version). The Project site is located in Traffic Analysis Zone (TAZ) 22307100. A baseline year of 2020 was used for the analysis.

Because the proposed Project consists of an industrial land use, the applicable VMT per service population is defined as home-base work VMT per employee. Based on the City-adopted thresholds, a "yes" to any of the following applicable criteria would indicate a significant VMT impact for the proposed Project:

- Project Impact: Would the Project-generated home-based work VMT per employee exceed a level of 15 percent below City of Irwindale average home-based work VMT per employee?
- Cumulative Impact: Would the Project increase the total regional VMT compared to cumulative no Project conditions?
- Cumulative Impact: Is the Project inconsistent with the SCAG Regional Transportation Plan/Sustainable Communities Strategies (RTP/SCS)?

For the first criteria, based on the SGVCOG VMT Evaluation Tool, the average City of Irwindale VMT for the 2020 baseline year is 22.51 home-based work VMT per employee. Accordingly, a project impact would be significant if the project-generated home-based work VMT per employee exceeds 19.13. Based on SGVCOG VMT Evaluation Tool Report, the Project-generated home-based work VMT per employee is equal to 21.72.

Therefore, the proposed Project would exceed the City-established threshold, and mitigation would be required to reduce the Project-generated home-based work VMT.

With implementation of Mitigation Measure 3.8-1, the Project-generated home-based work VMT Project employee is equal to 17.38. Therefore, the Project-generated home-based work VMT per employee would not exceed a level of 15 percent below City of Irwindale average home-based work VMT per employee.

For the second criteria, the State's Technical Advisory notes that a project's cumulative impacts are based on an assessment of whether the "incremental effects of an individual project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects." (Pub. Resources Code, § 21083, subd. (b)(2); see CEQA Guidelines, § 15064, subd. (h)(1).)" The Technical Advisory further clarifies that a project that falls below an efficiency-based threshold (such as VMT per employee) that is aligned with long-term environmental goals and relevant plans would have no cumulative impact distinct from the project impact. Accordingly, a finding of a less than significant project impact would imply a less than significant cumulative impact, and vice versa.

With implementation of Mitigation Measure 3.8-1, the Project is forecast to generate VMT that is 15 percent below the City of Irwindale average. Therefore, the Project would not increase the total regional VMT.

For the third criteria, the SCAG 2020-2045 RTP/SCS, also known as Connect SoCal, was developed with input from all 197 local jurisdictions, including the City of Irwindale. The information used to develop the RTP/SCS includes the current land use, socio-economic demographics, and sustainability practices and is documented in a Data Map/Book for each jurisdiction. The Data Map/Book illustrates that the Project site is designated as "Industrial" land use in the 2016 SCAG Land Use Codes. Therefore, the proposed Project is consistent with the SCAG RTP/SCS.

With implementation of Mitigation Measure 3.8-1 (which requires the Project employer to provide general commute benefits to employees, which may include financial subsidies or pre-tax deductions for transit, carpooling, and vanpooling activities), the Project-generated home-based work VMT per employee is equal to 17.38, which does not exceed the City-established threshold of 15% below the City of Irwindale average, or 19.13 home-based work VMT per employee.

In accordance with Public Resources Code, § 21081, Mitigation Measure 3.8-1 is an appropriate change or alteration that has been required in, or incorporated into, the Project which avoid or substantially lessen the significant environmental effect as identified in the EIR. Based upon the EIR and the entire record before this City Council, this City Council finds that the potential for proposed Project to conflict or be inconsistent with CEQA Guideline section 15064.3, subdivision (b) will be mitigated to a less than significant level.

V. FINDINGS AND RECOMMENDATIONS REGARDING THOSE IMPACTS WHICH ARE LESS THAN SIGNIFICANT OR LESS THAN CUMULATIVELY CONSIDERABLE

Specific impacts within the following categories of environmental effects were found to be less than significant as set forth in more detail in the Draft EIR.

Aesthetics: The following specific impacts were found to be less than significant: 3.1-1 and 3.1-2.

Air Quality: The following specific impacts was found to be less than significant: 3.2-4.

Geology and Soils: The following specific impact was found to be less than significant: 3.3-1.

Greenhouse Gases and Climate Change: The following specific impacts were found to be less than significant: 3.4-2 and 3.4-3.

Hazards and Hazardous Materials: The following specific impacts were found to be less than significant: 3.5-2, 3.5-3, 3.5-4, 3.5-5, and 3.5-6.

Hydrology and Water Quality: The following specific impacts were found to be less than significant: 3.6-2 and 3.6-4.

Noise: The following specific impacts were found to be less than significant: 3.7-1 and 3.7-3.

Transportation and Circulation: The following specific impacts were found to be less than significant: 3.8-2 and 3.8-4.

The Project was found to have a less than cumulatively considerable contribution to specific impacts within the following categories of environmental effects as set forth in more detail in the Draft EIR.

Hazards and Hazardous Materials: The following specific impact was found to be less than cumulatively considerable: 4.5.

Noise: The following specific impact was found to be less than cumulatively considerable: 4.7.

Transportation and Circulation: The following specific impact was found to be less than cumulatively considerable: 4.8.

The above impacts are less than significant or less than cumulatively considerable for one of the following reasons:

- The EIR determined that the impact is less than significant for the Project.

- The EIR determined that the Project would have a less than cumulatively considerable contribution to the cumulative impact.
- The EIR determined that the impact is beneficial (would be reduced) for the Project.

VI. PROJECT ALTERNATIVES

A. IDENTIFICATION OF PROJECT OBJECTIVES

An EIR is required to identify a range of reasonable alternatives to the project. The "range of potential alternatives to the project shall include those that could feasibly accomplish most of the basic purposes of the project and could avoid or substantially lessen one of more of the significant effects." (CEQA Guidelines Section 15126.6(c).) "Among the factors that may be taken into account when addressing the feasibility of alternatives are site suitability, economic viability, availability of infrastructure, general plan consistency, other plans or regulatory limitations, jurisdictional boundaries (projects with a regionally significant impact should consider the regional context), and whether the proponent can reasonably acquire, control or otherwise have access to the alternative site (or the site is already owned by the proponent)." (CEQA Guidelines Section 15126.6(f)(1).)

The principal objective of the proposed Project is the approval and subsequent development of the 26.05-acre parcel for Industrial uses. The quantifiable objectives of the proposed Project include the development of 26.05 acres with a 545,735-sf industrial warehouse building.

The 5175 Vincent Avenue Project identifies the following objectives:

- Quantified Development: Development of land use densities and intensities at quantities that maximize the use of the land as a single development to meet the demands of the market while considering zoning and land uses restrictions. The quantifiable objectives include the development of approximately to 26.05 acres with a 545,735 square-foot industrial warehouse that provides employment-generating development.
- Economic Contribution: Strengthen the City's economic base through Project's job creation; development related investment; disposable income from future employees; and increased property, sales, and transient occupancy taxes.
- Employment Opportunities: Provide for local and regional employment opportunities that take advantage of the areas high level of accessibility, allow for the expansion of the City's economic base, help create a jobs/housing balance, and reduce the commute for local residents.
- Public Facilities and Services: Provide infrastructure and services that meet City standards, integrate with existing and planned facilities and connections and do not diminish services to existing residents of the City.
- Marketable High Cube Warehouse: Provide for the construction of a high-cube warehouse facility that could attract a variety of end users, including transload facility, short-term storage facility, light industrial, and/or manufacturing uses. The facility should be designed with efficient transportation access and circulation within the site, accessible loading bays on two sides of the building, and a high level of on-site automation and logistics

management to enable highly-efficient processing of goods through the high-cube warehouse.

- End User Restrictions: Restrict the use of the warehouse building such that no business would be able to operate a fulfillment center, parcel hub, or cold storage facility. The intent of this restriction is to minimize the potential air quality impacts from such end users.
- Buffer Surrounding Uses: Provide a landscaped buffer with sound attenuation along Vincent Avenue to buffer neighboring uses.
- Redevelopment of the Manning Pit: With the completed remediation and closure of the Manning Pit, provide for redevelopment of the site in accordance with the General Plan, such that the site can be utilized in a manner that provides jobs and provides a tax base for the community.

B. ALTERNATIVES NOT SELECTED FOR FURTHER CONSIDERATION

1. ALTERNATIVE LOCATION CONSIDERED:

An Alternative Location is discussed on page 5.0-2 of the Draft EIR.

Findings: The City of Irwindale considered alternative locations early in the public scoping process. The City's key considerations in identifying an alternative location were as follows:

- Is there an alternative location where significant effects of the project would be avoided or substantially lessened?

- Is there a site available within the City's Sphere of Influence with the appropriate size and characteristics such that it would meet the basic project objectives?

The City has reviewed maps and planning documents in their consideration of alternative locations for the Project. The City has not found an alternative location that exists within the City's Sphere of Influence with the appropriate size and characteristics that would meet the basic Project objectives. An alternative location would also specifically conflict with the objective of "Redevelopment of the Manning Pit." As such, an alternative location is not feasible.

2. OTHER ALTERNATIVES CONSIDERED:

One other alternative was considered, the Reduced Land Area Project Alternative. Under this alternative, the portion of Assessor's Parcel Number 8417-034-016 which would require a General Plan Amendment to change the current designation from "Residential" to "Industrial/Business Park" would be removed from the Project site; this would result in reducing the Project site by approximately 26.6 percent. This alternative assumes that the approximately 6.93 acres of land along the western boundary of the Project site, which is currently designated Residential, would be removed from the development and would remain as undeveloped land. The balance of the parcel, the 19.12 acres of land making up the eastern portion of the Project site, which is currently designated Industrial/Business Park, would be developed with a high cube warehouse building. This alternative would not warrant a General Plan amendment for the 6.93 acres of residential land, because it would not be a part of the development. The existing General Plan designation and zoning

designation for the 6.93 acres would remain in conflict and would require reconciliation at some other time.

In addition to the zoning conflict that would result from this Alternative, the City considered this alternative and found that the residual 6.93-acre parcel would be very difficult to develop by itself as either residential or industrial at some future time given its shape and size. The 6.93-acre area is approximately 250 feet (0.05 miles) by 1,240 feet (0.23 miles). Development on an area that is only 250 feet wide results in difficult planning circumstances. For example, roadway, sidewalk, and landscaping improvements would be required to access and move through the 6.93-acre area. These improvements would further reduce the area buildable for residential uses. Setbacks and sound walls may also be warranted, which would further reduce the usable area. The City found that there is a high likelihood that the 6.93 acres may end up being a residual undevelopable parcel, and that this alternative is in conflict with the Project objectives which include strengthening the City's economic base through job creation, development related investment, increased property, sales, and transient occupancy taxes, and to generating local and regional employment opportunities. Further, this alternative would not achieve or would partially not achieve most of the Project objectives, including the quantified development objective, the economic contribution objective, the employment opportunity's objective, the marketable high cube warehouse objective, and the redevelopment of the Manning Pit objective. As such, the reduced land area alternative is not a feasible alternative.

C. ALTERNATIVES ANALYSIS IN EIR

1. NO PROJECT (NO BUILD) ALTERNATIVE:

The **No Project (No Build) Alternative** is discussed on pages 5.0-3, and 5.0-4 through 5.0-8 of the Draft EIR. This alternative assumes that development of the Project would not occur, and the Project site would remain in its current undeveloped condition. It is noted that the No Project (No Build) Alternative would fail to meet the Project objectives identified for the proposed Project and is inconsistent with the goals of the General Plan for the development of the Manning Pit.

Findings: Environmental benefits of this alternative over the proposed Project include the reduction of impacts to aesthetics and visual resources, air quality, geology and soils, greenhouse gases, climate change, and energy, hazards and hazardous materials, hydrology and water quality, noise, and transportation and circulation.

While the City recognizes the environmental benefits of the No Project (No Build) Alternative, this alternative would not achieve any of the Project objectives, and would not provide new industrial opportunities, local jobs, or tax revenue generation for the City of Irwindale. For these reasons, this alternative is rejected.

2. MULTIPLE BUILDING ALTERNATIVE:

The **Multiple Building Alternative** is discussed on pages 5.0-4 and 5.0-9 through 5.0-15 of the Draft EIR. Under this alternative, the Project site would be developed with three separate industrial warehouse buildings: Building 1 (121,397 sf with 111 parking stalls); Building 2 (121,373 sf with 91

parking stalls); and Building 3 (301,713 sf with 194 parking stalls). As shown in Figure 5.0-1, Buildings 1 and 2 would be located along Vincent Avenue (on the eastern half of the site), and Building 3 would be located on the western half of the site. Buildings 1 and 2 would each contain two 5,000 sf office areas, and Building 3 would contain four 5,000 sf office areas. Automobile parking among the three buildings would not be shared and would be dedicated to each building. However, the trailer parking for the trucks would be shared. Overall, the Multiple Building Alternative would include development of up to 544,483 sf of industrial uses (a reduction of 1,252 sf compared to the Project).

Findings: Environmental benefits of this alternative over the proposed Project include the reduction of impacts to noise and transportation and circulation. The Multiple Building Alternative is predicted to generate noise levels of approximately 53.5 dBA Day/Night Average Sound Level (L_{dn}) at the residential uses to the west of the Project site (compared to 58.1 dBA L_{dn} under the proposed Project). This alternative is also predicted to generate noise levels of approximately 52.9 dBA L_{dn} at the residential uses to the east of the Project site (compared to 64.4 dBA L_{dn} under the proposed Project). Additionally, the resulting VMT under this alternative would be slightly less than the proposed Project.

While the City recognizes the environmental benefits of this alternative, this alternative would not fully achieve all of the Project objectives, and would decrease Project impacts in only two resources areas. For these reasons, this alternative is rejected.

3. MAXIMUM FAR ALTERNATIVE:

The **Maximum FAR Alternative** is discussed on pages 5.0-4 and 5.0-15 through 5.0-21 of the Draft EIR. Under this alternative, the Project site would have the same footprint as the proposed Project. This alternative assumes that the full 26.05 acres would be developed using the maximum floor-area-ratio (FAR) for the Industrial/Business Park designation (1.0). This alternative would result in a high cube warehouse that would total 1,134,738 square feet of industrial uses. This alternative would warrant a General Plan amendment for the 6.93 acres of residential land, because it would be a part of the development. The existing General Plan designation and zoning designation for the 6.93 acres would be reconciled through the General Plan amendment.

Findings: This alternative would not result in reduced impacts compared to the Project in any resource area. Instead, this alternative would potentially increase impacts related to aesthetics and visual resources, air quality, greenhouse gases, climate change, and energy, noise, and transportation and circulation. This alternative would also not fully achieve all of the Project objectives. For these reasons, this alternative is rejected.

4. ENVIRONMENTALLY SUPERIOR ALTERNATIVE:

CEQA requires that an environmentally superior alternative be identified among the alternatives that are analyzed in the EIR. If the No Project Alternative is the environmentally superior alternative, an EIR must also identify an environmentally superior alternative among the other alternatives

(CEQA Guidelines Section 15126.6(e)(2)). The environmentally superior alternative is that alternative with the least adverse environmental impacts when compared to the proposed Project.

As discussed in Chapter 5.0, and shown on Table 5.0-1 of the Draft EIR (page 5.0-21) a comparison of alternatives is presented. As shown in the table, the No Project (No Build) Alternative is the environmentally superior alternative. However, as required by CEQA, when the No Project (No Build) Alternative is the environmentally superior alternative, the environmentally superior alternative among the others must be identified. Therefore, the Multiple Building Alternative would be the next environmentally superior alternative because this alternative would reduce impacts related to noise and transportation. However, the Multiple Building Alternative would not fully meet all of the Project objectives.

While the City recognizes the environmental benefits of the Multiple Building Alternative, this alternative may not be as marketable as the proposed Project because, by splitting up the warehouse into three buildings, and limiting loading bays to one side of the building, the types of end users may be limited. For example, an end user which requires loading bays on both sides of the buildings due to the logistical efficiencies that are created with this design may be uninterested in these buildings. Additionally, end users that require ample storage space for inventory and large products may prefer one large building to three small or medium buildings. Overall, there are logistical inefficiencies that are created in warehouse operations through this Alternative, which is anticipated to translate into reduced interest from operators that are in need of warehouse facilities in the market. As such, the Multiple Building Alternative would partially meet this objective, but to a lesser extent than the proposed Project because of the operational and logistical inefficiencies that are created through this design.

The Maximum FAR Alternative meets the Project objectives, but to a lesser extent than the Project. Additionally, this alternative would potentially increase impacts related to aesthetics and visual resources, air quality, greenhouse gases, climate change, and energy, noise, and transportation and circulation. For the reasons provided above, this alternative is rejected.

VII. STATEMENTS OF OVERRIDING CONSIDERATIONS RELATED TO THE 5175 VINCENT AVENUE PROJECT FINDINGS

As described in detail in Section III of these Findings, the following significant and unavoidable impacts could occur with implementation of the Project:

- Impact 3.2-1: The proposed Project has the potential to conflict with or obstruct implementation of the applicable air quality plan.
- Impact 3.2-2: Proposed Project operation has the potential to expose sensitive receptors to substantial pollutant concentrations or result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is in nonattainment under an applicable federal or state ambient air quality standard.
- Impact 3.2-5: The proposed Project has the potential cause substantial adverse effects on human beings, either directly or indirectly.
- Impact 4.2: Cumulative Impact on the Region's Air Quality

The adverse effects listed above, and described in detail in Section III, are substantive issues of concern to the City. However, the City of Irwindale has a General Plan that provides for an array of land uses throughout the City that are intended to accommodate the City's needs for growth over the foreseeable future. The proposed Project has been designated with land uses that are intended to generate jobs and tax revenue for the City, while providing industrial development opportunities. The proposed Project would provide an increase in local jobs that could be served by the citizens of Irwindale, reducing the number of citizens commuting. The actual number of jobs would vary by the exact business that locates within the Project site. Additionally, the proposed Project would generate tax revenue that the City would not otherwise benefit from if the Project was not developed. The job creating uses, additional industrial opportunities, and tax benefits discussed above would ultimately improve the overall quality of life in the City of Irwindale.

Based on the entire record and the EIR, the economic and social benefits of the Project in Irwindale outweigh and override any significant unavoidable environmental effects that would result from future Project implementation as more fully described in Section III, Findings and Recommendations Regarding Significant and Unavoidable Impacts. The City Council has determined that any environmental detriment caused by the proposed Project has been minimized to the extent feasible through the mitigation measures identified herein, and, where mitigation is not feasible, has been outweighed and counterbalanced by the significant social, environmental, and land use benefits to be generated to the region.

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