



## Final Environmental Impact Report

SCH No. 2021050017

# Spreckels Distribution Center

City of Manteca, California



*Lead Agency:*

**City of Manteca**

Development Services Department  
1215 West Center Street, Suite 201  
Manteca, CA 95337

**September 2025**

Final Environmental Impact Report  
SCH No. 2021050017

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**Spreckels Distribution Center**  
City of Manteca, California

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**Lead Agency**

City of Manteca  
1215 W. Center St., Suite 201  
Manteca, CA 95337

**CEQA Consultant**

T&B Planning, Inc.  
3200 El Camino Real, Suite 100  
Irvine, CA 92602

**Project Applicant**

Prologis, Inc.  
615 International Parkway  
Tracy, CA 95377

**Lead Agency Discretionary Permits**

Conditional Use Permit  
Site Plan Review

September 2025



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**ATTACHMENTS**

Attachment A Updated Health Risk Assessment

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## SECTION 1.0 INTRODUCTION

In accordance with Section 15088 of the California Environmental Quality Act (CEQA) Guidelines, the City of Manteca, as the Lead Agency, has evaluated the comments received on the Draft Environmental Impact Report (Draft EIR) for the Spreckels Distribution Center (Project) (SCH No. 2021050017) and has prepared written responses to these comments. This document has been prepared in accordance with CEQA and represents the independent judgment of the lead agency.

According to State CEQA Guidelines Section 15132, the Final EIR shall consist of:

- (a) *The Draft EIR or a revision of the draft;*
- (b) *Comments and recommendations received on the Draft EIR either verbatim or in summary;*
- (c) *A list of persons, organizations, and public agencies commenting on the Draft EIR;*
- (d) *The responses of the Lead Agency to significant environmental points raised in the review and consultation process; and*
- (e) *Any other information added by the Lead Agency.*

The Planning Commission will consider certification of the EIR, adoption of a Mitigation Monitoring and Reporting Program, Findings and Facts, and a Statement of Overriding Considerations as part of the approval process for the Project.

This Final EIR document is organized as follows:

**Section 1** provides a brief introduction to this document, a summary of the public review process, and a list of commenters.

**Section 2** provides responses to the public comments received on the Draft EIR during the public review period. Responses are provided in the form of individual responses to comment letters received. Comment letters are followed immediately by the responses to each letter.

**Section 3** contains revisions and clarifications to the Draft EIR as a result of the comments received from agencies and interested persons as well as errata identified in the EIR. This information does not constitute significant new information and recirculation of the EIR for further review pursuant to CEQA Guidelines Section 15088.5 is not required.

### 1.1 PUBLIC REVIEW PROCESS

In compliance with Section 15201 of the State CEQA Guidelines, the City of Manteca (City) has taken steps to provide opportunities for public participation in the environmental review process. A Notice of Preparation (NOP) and Initial Study were distributed on December 5, 2024 to responsible agencies, local government agencies, and interested parties for a 30-day public review period (from December 7, 2024 to January 7, 2025) in order to solicit comments and inform agencies and the public of the Project. The NOP was also distributed to the State of California Office of Land Use and Climate Innovation, State Clearinghouse (SCH) for distribution to State agencies. The NOP was posted on the City's website on December 5, 2024, Manteca Bulletin Newspaper on December 5, 2024, and at the San Joaquin County Clerk's office on December 6, 2024. The Project was described; potential





environmental effects associated with Project implementation were identified; and agencies and the public were invited to review and comment on the NOP. Additionally, the City held a Public Scoping Meeting on December 12, 2024 at the Manteca Transit Center to provide an overview of the Project, explain the CEQA process, and accept public comment. A copy of the NOP and comments received during the 30-day public review period are included in Appendix A of the Draft EIR. The City received 8 comment letters in response to the NOP. Table 2-2 of the Draft EIR provides a brief summary of the NOP comments received that address environmental and related issues.

CEQA requires that a Draft EIR have a review period lasting at least 45 days for projects that have been submitted to the SCH for review (State CEQA Guidelines, Section 15105(a)). The Draft EIR was distributed to various public agencies, organizations, and individuals on June 10, 2025; the EIR was available for public review and comment for a period of 45 days. The review period started on June 10, 2025 and ended on July 24, 2025. The City used several methods to elicit comments on the Draft EIR. A Notice of Availability (NOA) and the Draft EIR was distributed to the SCH for distribution to State agencies and was posted on the City’s website. The NOA was posted also at the San Joaquin County Clerk’s office on June 10, 2025. The NOA was mailed to responsible agencies, local government agencies, and interested parties that received the NOP, to individuals who had previously requested the NOA or EIR, and to individuals who provided NOP comments on June 10, 2025. The NOA and Draft EIR were made available for review on the City’s website at [https://www.manteca.gov/departments/development-services/planning/planning-division-documents/-folder-331#docfold\\_761\\_1772\\_216\\_331](https://www.manteca.gov/departments/development-services/planning/planning-division-documents/-folder-331#docfold_761_1772_216_331)

The City of Manteca Planning Commission, as the final approval body, will hold a public hearing at which they will consider approving the proposed Project, associated actions, and certification of the Final EIR for the Project.

**1.2 LIST OF EIR COMMENTERS**

In accordance with Section 15132 of the State CEQA Guidelines, following is a list of the agencies, organizations, and individuals that submitted comments on the Draft EIR. The City received comments from seven (7) agencies and organizations during the public review period.

Responses to each comment are in Section 2.0. The comment letter has been assigned a letter (i.e., A, B, C) and each comment within the transmittal is divided into sequential numbered comments (i.e., A-1, A-2, A-3).

<u>Comment</u>	<u>Date of Letter</u>
A. Advocates for the Environment	July 24, 2025
B. Muwekma Ohlone Tribe of the San Francisco Bay Area	June 18, 2025
C. Pacific Gas and Electric Company	July 28 and June 23, 2025
D. San Joaquin County Environmental Health Department	July 1, 2025
E. San Joaquin Council of Governments	June 24, 2025
F. San Joaquin Valley Air Pollution Control District	July 23, 2025
G. Wilton Rancheria	June 26, 2025



## **SECTION 2.0    RESPONSES TO COMMENTS RECEIVED DURING THE PUBLIC REVIEW PERIOD**

All of the comment letters received by the City have been included and responded to in this Final Environmental Impact Report (Final EIR). Comments that address environmental concerns have been thoroughly addressed. Comments that do not require a response are indicated below and include those that (1) do not address the adequacy or completeness of the Draft EIR (i.e., are outside the scope of CEQA); (2) do not raise environmental issues; (3) do not address the Project; or (4) request the incorporation of additional information not relevant to environmental issues.

CEQA Guidelines Section 15204(a) outlines the parameters for public agencies and interested parties to submit comments and the Lead Agency’s responsibility for responding to specific comments. Per CEQA Guidelines Section 15204(a), comments should be related to:

*[T]he sufficiency of the document in identifying and analyzing possible impacts on the environment and ways in which the significant effects of the project might be avoided or mitigated. Comments are most helpful when they suggest additional specific alternatives or mitigation measures that would provide better ways to avoid or mitigate the significant environmental effects. At the same time, reviewers should be aware that the adequacy of an EIR is determined in terms of what is reasonably feasible...CEQA does not require a lead agency to conduct every test or perform all research, study, and experimentation recommended or suggested by commenters. When responding to comments, lead agencies need only respond to significant environmental issues and do not need to provide all information requested by reviewers, as long as a good faith effort at full disclosure is made in the EIR.*

CEQA Guidelines Section 15204(c) further advises that, “[r]eviewers should explain the basis for their comments, and should submit data or references offering facts, reasonable assumptions based on facts, or expert opinion supported by facts in support of the comments. Pursuant to CEQA Guidelines Section 15064, an effect shall not be considered significant in the absence of substantial evidence.” Additionally, CEQA Guidelines Section 15204(d) notes that, “[e]ach responsible agency and trustee agency shall focus its comments on environmental information germane to that agency’s statutory responsibility;” but, pursuant to CEQA Guidelines Section 15204(e), “[t]his section shall not be used to restrict the ability of reviewers to comment on the general adequacy of a document or of the lead agency to reject comments not focused as recommended by this section [CEQA Guidelines Section 15204].”

Section 15088 of the California Environmental Quality Act (CEQA) Guidelines, Evaluation of and Response to Comments, states:

- a) *The lead agency shall evaluate comments on environmental issues received from persons who reviewed the draft EIR and shall prepare a written response. The lead agency shall respond to comments raising significant environmental issues received during the noticed comment period and any extensions and may respond to late comments.*



- b) *The lead agency shall provide a written proposed response, either in a printed copy or in an electronic format, to a public agency on comments made by that public agency at least 10 days prior to certifying an environmental impact report.*
- c) *The written response shall describe the disposition of significant environmental issues raised (e.g., revisions to the proposed project to mitigate anticipated impacts or objections). In particular, the major environmental issues raised when the Lead Agency's position is at variance with recommendations and objections raised in the comments must be addressed in detail giving reasons why specific comments and suggestions were not accepted. There must be good faith, reasoned analysis in response. Conclusory statements unsupported by factual information will not suffice. The level of detail contained in the response, however, may correspond to the level of detail provided in the comment (i.e., responses to general comments may be general). A general response may be appropriate when a comment does not contain or specifically refer to readily available information, or does not explain the relevance of evidence submitted with the comment.*
- d) *The response to comments may take the form of a revision to the draft EIR or may be a separate section in the final EIR. Where the response to comments makes important changes in the information contained in the text of the draft EIR, the lead agency should either:*
  - 1. *Revise the text in the body of the EIR; or*
  - 2. *Include marginal notes showing that the information is revised in the response to comments.*

This section includes responses to substantive Draft EIR comments received by the City. With respect to comment letters received, aside from certain courtesy statements, introductions, and closings, individual comments within the body of each letter have been identified and numbered. A copy of each comment letter and the City's responses to each applicable comment are included in this section. Brackets delineating the individual comments and a numeric identifier have been added to the right margin of the letter. Responses to each comment identified are included on the page(s) following each comment letter. Responses to comments are being sent to the agencies and organizations that provided comments at least 10 days prior to the Planning Commission's consideration of certification of the EIR.

Revisions to the Draft EIR have been prepared to make minor corrections and clarifications to the Draft EIR as a result of City review, and comments received during the public review period (refer to Section 3.0, *Draft EIR Clarifications and Revisions*, of this document). Therefore, this Response to Comments section, and the Draft EIR Clarifications and Revisions section, are included as part of this Final EIR along with the Draft EIR for consideration by the Planning Commission prior to a vote to certify the EIR.

As further discussed in Section 3.0 of this document, the Draft EIR revisions and information presented in the responses to comments do not result in any of the conditions set forth in Section 15088.5 of the State CEQA Guidelines; therefore, the EIR does not need to be recirculated prior to its certification.



**COMMENT LETTER A**

July 24, 2025

**Advocates for the Environment**

*A non-profit public-interest law firm  
and environmental advocacy organization*



David Ruby  
Senior Planner  
City of Manteca  
1215 W. Center Street, Suite 201  
Manteca, CA 95337

Via U.S. Mail and email to druby@manteca.gov

re: Comments on Draft Environmental Impact Report for Spreckels Distribution Center  
Project, SCH No. 2021050017

Dear Mr. Ruby:

Advocates for the Environment submits the comments in this letter regarding the Draft Environmental Impact Report (DEIR) for the Spreckels Distribution Center Project (Project). The Project Site is located at 407 Spreckels Avenue within the existing Spreckels Business Park in the City of Manteca (City), County of San Joaquin. The Project proposes to develop the 14.83-acre Project Site by constructing an industrial building with 279,449 square feet of warehouse and 10,000 square feet of office space. We have reviewed the DEIR released in June 2025 and submit comments regarding the sufficiency of the DEIR's Greenhouse-Gas (GHG) analysis under the California Environmental Quality Act (CEQA).

A-1

**The City should require the Project to be net-zero**

Given the current regulatory context and technological advancements, a net-zero significance threshold is feasible and extensively supportable. GHG emissions from buildings, including indirect emissions from offsite generation of electricity, direct emissions produced onsite, and from construction with cement and steel, amounted to 21% of global GHG emissions in 2019. (IPCC Sixth Assessment Report, Climate Change 2022, WGIII, Mitigation of Climate Change, p. 9-4.) This is a considerable portion of global GHG emissions. It is much more affordable to construct new building projects to be net-zero than to obtain the same level of GHG reductions by expensively retrofitting older buildings to comply with climate change regulations. Climate damages will keep increasing until we reach net zero GHG emissions, and there is a California state policy requiring the state to be net-zero by 2045. It therefore is economically unsound to construct new buildings that are not net-zero.

A-2

Environmental groups have achieved incredible outcomes by litigation under CEQA. Two of the largest mixed-use development projects in the history of California, Newhall Ranch (now FivePoint Valencia), and Centennial (part of Tejon Ranch) decided to move

10211 Sunland Blvd., Shadow Hills, CA 91040 (818) 650-0030 X101 dw@aenv.org



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forward as net-zero communities after losing CEQA lawsuits to environmental groups. The ability for these large projects to become net-zero indicates that it is achievable, even for large-scale developments. The Applicant for this Project should do the same.

We urge the City to adopt net-zero as the GHG significance threshold for this project. This threshold is well-supported by plans for the reduction of GHG emissions in California, and particularly the CARB Climate Change Scoping Plans. The CARB 2017 Scoping Plan states that “achieving no net additional increase in GHG emissions, resulting in no contribution to GHG impacts, is an appropriate overall objective for new development.” (CARB 2017 Scoping Plan, p. 101.) Additionally, the CARB 2022 Scoping Plan reaffirms the necessity of a net zero target by expressing: “it is clear that California must transition away from fossil fuels to zero-emission technologies with all possible speed ... in order to meet our GHG and air quality targets.” (CARB 2022 Scoping Plan, p. 184.) CARB further encourages a net-zero threshold in its strategies for local actions in Appendix D to the 2022 Scoping Plan. (CARB 2022 Scoping Plan, Appendix D p. 24-26.)

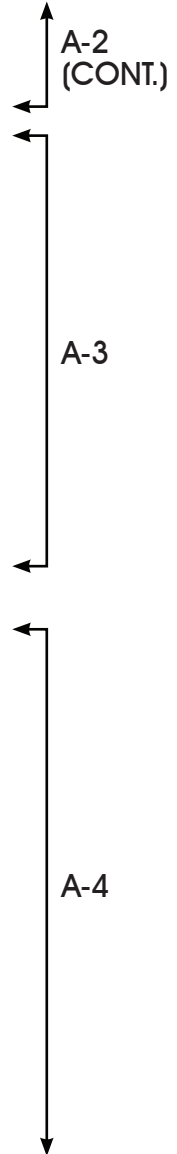
Moving this Project forward as a net-zero project would not only be the right thing for the City to do, but also would help protect the City and the Applicant from CEQA GHG litigation.

**The Project has a significant GHG impact overall**

A finding of significant impact under either of the two GHG thresholds means the GHG impact as a whole would be significant. CEQA requires that lead agencies to determine overall significance as to each environmental impact, including the category of GHG impact. Further, lead agencies should communicate this overall significance determination in a way that does not mislead decision-makers and the public.

Here, the City summarized the GHG impact under its second chosen threshold as “less-than-significant impact,” because it determined that the Project would not conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing GHGs. (DEIR, p. S-12.) However, under the first chosen threshold, whether the Project would “generate greenhouse gas emissions,” the City determined that the Project’s GHG impact would be “significant and unavoidable.” (DEIR, p. S-11.) The determination that there would be no impact under the second threshold does not undermine the City’s conclusion that the Project would have a significant impact under the first threshold, and the City should have determined that the Project’s GHG impact overall would be cumulatively considerable.

Summarizing the impact as less-than-significant in these circumstances is misleading and erroneous because the Project would conflict with several applicable plans. The DEIR’s failure to acknowledge the Project’s GHG significant impact overall is indicated by the





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summary of the significance of the Project’s GHG impact before mitigation that stated the GHG impact as significant and simultaneously less-than-significant. (DEIR, 4.6-30, Section 4.6.8 “Significance of Impacts Before Mitigation.”) This is not only illogical, but it also evades one of the purposes of the GHG analysis, which is to identify whether the GHG impact would be significant before mitigation. The DEIR should state a single unified significance conclusion as to GHG impact overall, both before and after mitigation, which the lead agency failed to do here.

A-4  
(CONT.)

**Consistency with Identified Applicable Plans**

The DEIR included a discussion of the California Air Resources Board (CARB) 2022 Scoping Plan and the City of Manteca Climate Action Plan (CAP), to support its determination that the Project would not conflict with an applicable plan, policy, or regulation for GHG emissions reductions. This significance analysis violates CEQA by erroneously overlooking the Project’s conflict with the 2022 Scoping Plan and failing to acknowledge and analyze all applicable plans for the reduction of GHGs.

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The Project would conflict with the 2022 Scoping Plan, which sets a goal for 50% of all industrial energy demand to be electrified by 2045 (2022 CARB Scoping Plan, p. 77).<sup>1</sup> The DEIR makes no showing that the Project is consistent with this goal. The 2022 CARB Scoping Plan also places particular emphasis on decarbonizing industrial facilities by “displacing fossil fuel use with a mix of electrification, solar thermal heat, biomethane, low- or zero-carbon hydrogen, and other low-carbon fuels to provide energy for heat and reduce combustion emissions” (2022 CARB Scoping Plan, p. 208). Again, the Project does not appear to be consistent with this goal, based on the analysis provided in the DEIR. The Project creates a conflict with the 2022 Scoping Plan by its reliance on diesel fuel in its operations.

A-5

Furthermore, the City’s claims that the Project would be in compliance with transportation sector policies fall short of maximum feasible mitigation because relying on vehicle manufacturer compliance is not sufficient to be consistent with the 2022 Scoping Plan. (See DEIR, p. 4.6-27.) In addition to adhering to vehicle regulations, the City should apply project-specific measures to reduce vehicle trips and decrease reliance on fossil fuels. Additionally, the finding of less-than-significant impacts before mitigation improperly relies on the assumption that the State will update and enforce applicable mitigation measures, and it is these assumptions that make the Project less-than-significant. This shifts responsibility away from the Project itself, and the measures identified are neither project-specific nor sufficiently detailed, effectively failing to adequately adopt mitigation measures to ensure that

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A-6

<sup>1</sup> 2022 Scoping Plan located at: <https://ww2.arb.ca.gov/sites/default/files/2023-04/2022-sp.pdf>





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the Project would achieve emissions reductions necessary to adhere to regulations and state climate policy.

Therefore, the Project would conflict with the policies of the applicable plans that it chose to analyze.

A-6  
(CONT.)

**Some of the chosen plans, policies, and regulations are not applicable because they are outdated**

The City’s CAP is outdated and doesn’t adequately align with current state-level climate policies and scientific understandings. While the CAP outlines measures aimed at reducing GHG emissions, it was adopted in 2013, and does not accurately reflect the current GHG emissions in Manteca. Moreover, the CAP’s framework is primarily based on achieving targets set by AB 32, which aimed to reduce emissions to 1990 levels by 2020, a goal already achieved. Given the evolving climate policy landscape, the CAP cannot adequately demonstrate that the Project would have a less than significant GHG impact, as it is based on an outdated and inapplicable policy.

A-7

**The DEIR should have analyzed all applicable plans**

The City chose, as its second GHG threshold, whether the Project would “[c]onflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases.” (DEIR, p. 4.6-26.) This language requires that the DEIR analyze the Project’s consistency with all other applicable plans, not just the plans that the City prefers to analyze. Although the DEIR identified and described relevant regulatory information, the City did not analyze the Project’s consistency with the majority of these identified regulations.

A-8

An agency must consider a project’s GHG impact over the project’s lifetime to reasonably evaluate the full extent of environmental impact as CEQA requires. The City estimated that the Project lifespan would be 30 years, as indicated by the construction emissions amortization across 30 years. (DEIR, p. 4.6-25.) Accordingly, the Project must show consistency with long-term, state GHG goals to comply with CEQA. In particular, the DEIR must also demonstrate consistency with Executive Order B-55-18 (EO B-55-18).

A-9

EO B-55-18 requires the State of California to achieve carbon neutrality—net zero GHG emissions—by 2045. The Project is inconsistent with EO B-55-18 because it does not prohibit the use of gasoline, diesel, and natural gas. The use of trucks can be expected to significantly contribute to fossil fuel consumption. Burning non-renewable fuels results in substantial GHG emissions, preventing the Project from ever achieving carbon neutrality, unless it enters into agreements with the applicant and/or future tenant to ensure that fossil fuel use is on track to be eliminated by 2045 as required by EO B-55-18.

A-10



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The DEIR also fails to discuss the Project’s conflicts with the 2017 Scoping Plan, which is still in effect because the goals have not yet been achieved. The CARB 2017 Scoping Plan was developed to help California comply with SB 32, which mandates a 40% reduction in GHG emissions below 1990 levels by 2030 (Health & Safety Code § 38566). The DEIR claims that consistency with the 2017 Scoping Plan is “not necessary” because it was superseded by the 2022 Scoping Plan. (DEIR, p.4.6-27.) However, this is misleading because the 2022 Scoping Plan does not replace the 2017 Plan, rather it builds upon it to stay current with California climate goals.

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A-11  
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The Project would conflict with the 2017 Scoping Plan, which is still in effect because the goals have not yet been achieved. The CARB 2017 Scoping Plan was developed to help California comply with SB 32, which mandates a 40% reduction in GHG emissions below 1990 levels by 2030 (Health & Safety Code § 38566). The DEIR claims to be consistent with the objectives of the 2017 Scoping Plan (DEIR, p. 4.2-18 – 4.2-22), but the DEIR does not explain how the Project aligns with the 2050 goal of reducing emissions by 80% below 1990 levels.

The 2017 Scoping Plan sets statewide per capita GHG emissions targets of 6 MTCO<sub>2e</sub> by 2030 and 2 MTCO<sub>2e</sub> by 2050. (CARB Scoping Plan, p. 99.) The Project would significantly overshoot, and thus conflict with, the 2030 target because the Project would emit over 18 MTCO<sub>2e</sub> per service population, greatly exceeding both the 2030 and the 2050 per-capita targets.<sup>2</sup> Thus, it is evident that without mitigation, the Project will remain inconsistent with the 2017 Scoping Plan’s long-term goals. The DEIR did not calculate GHG emissions after mitigation. But it is unlikely that the proposed mitigation measures would reduce the Project’s GHG emissions to the extent necessary to reach the per-capita targets. The proposed mitigation measures mainly target Transportation Refrigeration Unit (TRU) emissions, area sources, and cargo equipment, which amount to 11.5%, 0.066%, and 1.46% of the Project’s total emissions, respectively, and would not substantially reduce the main sources of the Project’s GHG impact.<sup>3</sup> Therefore, with or without mitigation, the Project directly conflicts with the 2017 Scoping Plan and SB 32.

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A-12  
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<sup>2</sup> 6,469.73 MTCO<sub>2e</sub> ÷ 358 employees = approximately 18.07 MTCO<sub>2e</sub> per service population. DEIR, p. 4.6-29, referencing the number of employees.

<sup>3</sup> MM 4.1-1 (sufficiently large electrical room for future electrified loading docks) and MM 4.1-2 (installing electric hookups for any future cold storage operator) are TRU-related measures. MM 4.6-2, which requires electric landscape equipment, is an area source measure. MM 4.6-1 for electric outdoor cargo handling equipment is a cargo equipment measure. The remaining measure, MM 4.1-3, requires signage for 3-minute idling restrictions and CARB regulations, which does not extend beyond regulatory requirements and thus does not constitute additional emissions reductions.

$$\begin{aligned} 744.14 \text{ MTCO}_2e \text{ TRU} \div 6,469.73 \text{ MTCO}_2e \text{ Project} &= 11.5\% \\ 4.24 \text{ MTCO}_2e \text{ area sources} \div 6,469.73 \text{ MTCO}_2e \text{ Project} &= 0.066\% \\ 94.75 \text{ MTCO}_2e \text{ cargo equipment} \div 6,469.73 \text{ MTCO}_2e \text{ Project} &= 1.46\% \end{aligned}$$

Emissions quantifications by source obtained from Table 4.6-4, DEIR, p. 4.6-26.



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Consequently, because the Project is inconsistent with applicable plans for the reduction of GHGs, it is significant under the second threshold. The City's significance determination as to the second GHG threshold is not supported by substantial evidence.

A-13

**GHG mitigation is insufficient under CEQA**

The calculated project-related emissions amount to 6,469.73 metric tons of carbon dioxide equivalent (MTCO<sub>2e</sub>) per year (DEIR, p. 4.6-26). The City adopted a numeric GHG significance threshold of 3,000 MTCO<sub>2e</sub> based on the South Coast Air Quality Management District (SCAQMD) (DEIR, p. 4.6-24.) Under the first significance threshold, the City concluded the Project would have significant GHG emissions for exceeding this numerical threshold. To reduce this identified significant GHG impact, the GHG analysis offered the following mitigation measures: MM 4.6-1, which would require all on-site outdoor cargo handling equipment to be powered by electricity, compressed natural gas, or gasoline and all indoor cargo handling equipment to be powered by electricity; and MM 4.6-2, which would require all landscaping equipment to be electric-powered. Additionally, the DEIR relies on the co-benefits of Air Quality Mitigation Measures 4.1-1 through MM 4.1-3 to mitigate GHG emissions. (DEIR, p. S-11.)

A-14

While this is a good start, the DEIR fails to explain how the above mitigation measures will meaningful reduce GHG emissions to the maximum feasible extent. Despite the availability of other GHG mitigation, the DEIR declared that the Project's mitigated emissions were unavoidable. However, because this conclusion is not supported by substantial evidence, the DEIR should have included more mitigation to reduce the Project's GHG emissions to the extent required by CEQA.

**Infeasibility Finding Lacks Substantial Evidence**

The conclusion that the Project will not be able to achieve any mitigation beyond which was identified in the proposed mitigation measures is not supported with substantial evidence. The DEIR should have proposed these features to be applied to the maximum-feasible extent in order to justify the conclusion that the Project's GHG impact would be unavoidable due to lack of feasibility of further mitigation. Overall, the lead agency carries the burden of including an adequate discussion of feasible mitigation measures, including identifying the reasons for infeasibility, and the failure to do so here is a violation of CEQA and insufficient to meet the City's burden.

A-15



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CEQA requires that the lead agency identifies specific reasons for infeasibility of further mitigation when concluding significant and unavoidable impact. The City did not attempt to specify any infeasible mitigation measures when concluding that the Project's GHG impact would be unavoidable, nor did it provide any reasoning that the identified mitigation measures represent the maximum feasible mitigation.

Thus, the conclusion that further mitigation is infeasible was not supported by substantial evidence; there are other readily available mitigation measures, especially considering that the majority of the impact originates from mobile emissions which the mitigation measures were not focused on reducing. The City and Applicant together can commit to design and technology specifications that reduce emissions, especially in the heavy-duty truck and transportation vehicle fleet. Further, the City can choose to further reduce energy usage by adopting more green building features beyond which have already been incorporated by existing mitigation measures.

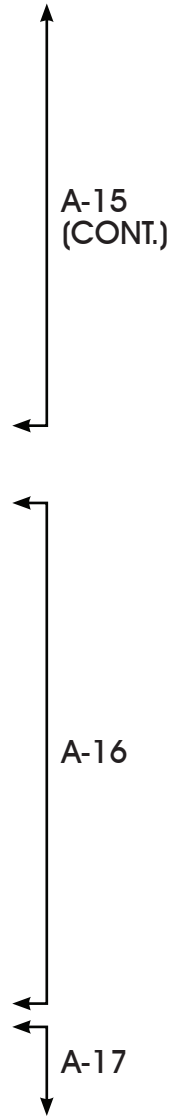
**The Project's GHG impacts must be fully mitigated**

CEQA requires that the Project include fair-share mitigation for all significant cumulative impacts. (*Napa Citizens for Honest Gov't v. Napa County Board of Supervisors* (2001) 91 Cal.App.4th 342, 364.) Here, this means mitigation of the full extent of the Project's GHG impacts. The DEIR claims that no other mitigation measures are feasible, beyond the identified mitigation measures. But that conclusion is incorrect and not supported by substantial evidence.

The amount of GHG emissions that comprises the Project's fair share is clear. The DEIR does not quantify estimated emissions after mitigation, rather it supports the significant and unavoidable conclusion with the fact the Project will not reduce mobile source emissions, thus emissions are implicitly unavoidable. Yet, the DEIR did not propose mitigation to reduce the non-mobile emissions to the maximum feasible extent and did not quantify the potential GHG reductions of the proposed mitigation measures. Thus, the Project's GHG emissions is a good starting point from which to subtract the effect of additional non-offset mitigation measures, before implementing offset purchases. The Project's annual emissions are estimated at 6,469.73 MTCO<sub>2e</sub>, and the reasonable lifespan of this Project is approximately 30 years, as indicated by the amortization of construction emissions. (DEIR, p. 4.6-25.) Therefore, the Project would likely contribute to over 190,000 MTCO<sub>2e</sub> during its entire lifespan.<sup>4</sup>

In addition to the recommended modifications to the existing mitigation measures, there are several ways that the City could improve upon and go beyond the existing mitigation measures, including by entering into agreements with the applicant to install heavy-duty truck

<sup>4</sup> 6,469.73 MTCO<sub>2e</sub> × 30 years = 194,091.9 MTCO<sub>2e</sub> lifetime emissions





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charging stations at the loading docks, and install electric vehicle (EV) charging stations in the parking areas.

Additionally, the Project could install solar panels to produce renewable electricity on-site beyond the Title 24 Standards. The City could require future tenants to enroll in the U.S. Environmental Protection Agency’s SmartWay program<sup>5</sup>, which helps reduce the GHG impact of trucking and deliveries. To further encourage fleet upgrades to zero-emission vehicles, the applicant could provide tenants with information on fleet upgrade incentive programs such as the Carl Moyer Program<sup>6</sup> and the Voucher Incentive Program<sup>7</sup> to upgrade their fleets. Thus, the conclusion that further mitigation is infeasible was not supported by substantial evidence.

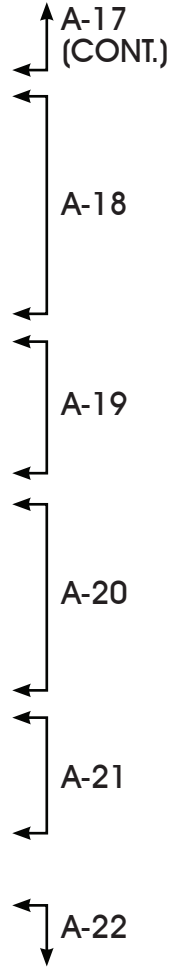
Further, even though the Project contemplates the possibility of involving cold storage and refrigeration there is no proposed mitigation for warehouse refrigeration storage—only for potential mitigation of the Transportation Refrigeration Units (TRUs). If the Project ends up involving cold storage warehousing, the City could commit to low-warming HFCs or other alternatives to traditional coolants, as well as energy efficient refrigeration systems.

Even after implementing on-site emissions reductions to the maximum-feasible extent, the City could also require the Applicant to enter into an agreement to have a zero-emission light duty, medium duty, and heavy-duty truck fleet as soon as feasible and to buy clean power for the warehouse’s remaining electricity usage that it is unable to produce through solar power on-site. The City could also require the Applicant to purchase carbon offsets to the extent necessary to mitigate the Project’s emissions to the fair-share and maximum feasible extent.

Overall, there are more options available to mitigate emissions to the full extent of project emissions, including many recommendations of warehouse best practice measures encouraged by the California Attorney General.<sup>8</sup> The City did not demonstrate that it would be infeasible to implement more mitigation measures than the ones identified in the DEIR.

**Conclusion**

The DEIR fails to require all feasible mitigation, despite concluding that the significant GHG impact would be unavoidable. The lead agency has not met its burden of showing that



<sup>5</sup> Learn About Smart Way, <https://www.epa.gov/smartway/learn-about-smartway>  
<sup>6</sup> <https://ww2.arb.ca.gov/our-work/programs/carl-moyer-memorial-air-quality-standards-attainment-program>  
<sup>7</sup> <https://ww2.arb.ca.gov/our-work/programs/road-heavy-duty-voucher-incentive-program>  
<sup>8</sup> State of California Department of Justice, Rob Bonta Attorney General, “Warehouse Projects: Best Practices and Mitigation Measures to Comply with the California Environmental Quality Act,” Updated September 2022, pp. 7 – 10, available at: <https://oag.ca.gov/system/files/media/warehouse-best-practices.pdf>. Last accessed July 23, 2025.



**COMMENT LETTER A**

*City of Manteca  
CEQA Comments on the Spreckels Distribution Center Project*

*Page 9  
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any further mitigation measures would be infeasible, and therefore the DEIR should be amended to reflect all feasible mitigation to the fair-share extent.

Please put me on the interest list to receive updates about the progress of this Project. We make this request under Public Resources Code, section 21092.2.

Sincerely,

Dean Wallraff, Attorney at Law  
Executive Director, Advocates for the Environment

A-22  
(CONT.)





**Responses to Comment A**

**Advocates for the Environment, dated July 24, 2025**

- A-1 The commenter provides a brief introduction and submits comments on the Draft EIR regarding the adequacy of its Greenhouse Gas (GHG) analysis under CEQA. Refer to Response to Comment Nos. A-2 through A-22, below, for responses to specific comments raised by the commenter.
- A-2 The commenter states that given the current regulatory context and technological advancements, a net-zero significance threshold is feasible and economically practical. The commenter provides examples of litigation outcomes where other development projects moved forward with net-zero communities and recommends the Project Applicant do the same. Lead agencies are called on to establish significance thresholds for their respective jurisdictions and may appropriately look to thresholds developed by other public agencies or suggested by other experts, such as the California Air Pollution Control Officers Association (CAPCOA), as long as any threshold chosen is supported by substantial evidence (see State CEQA Guidelines Section 15064.7(c)). As discussed in Draft EIR Section 4.6, *Greenhouse Gas Emissions*, neither the San Joaquin Valley Air Pollution Control District (SJVAPCD) nor the City of Manteca have established quantitative thresholds for determining the significance of GHG emissions. (Refer to page 4.6-23 of the Draft EIR)

In the absence of applicable quantitative thresholds, the GHG analysis relies on screening levels thresholds established by the South Coast Air Quality Management District (SCAQMD). SCAQMD has been evaluating GHG significance thresholds since April 2008. On December 5, 2008, the SCAQMD Governing Board adopted an Interim CEQA Greenhouse Gas Significance Threshold of 3,000 MTCO<sub>2</sub>e per year for projects for which the SCAQMD is the lead agency. The 3,000 MTCO<sub>2</sub>e per year threshold is based on a 90 percent emission “capture” rate methodology. Prior to its use by the SCAQMD, the 90 percent emissions capture approach was one of the options suggested by the CAPCOA in their CEQA & Climate Change white paper. A 90 percent emission capture rate means that unmitigated GHG emissions from the top 90 percent of all GHG-producing projects within a geographic area would be subject to a detailed analysis of potential environmental impacts from GHG emissions, while the bottom 10 percent of all GHG-producing projects would be excluded from detailed analysis.

A GHG significance threshold based on a 90 percent emission capture rate is appropriate to address the long-term adverse impacts associated with global climate change because medium and large projects will be required to implement measures to reduce GHG emissions, while small projects, which are generally infill development projects that are not the focus of the State’s GHG reduction targets, are allowed to proceed. Further, a 90 percent emission capture rate sets the emission threshold low enough to capture a substantial proportion of future development projects and demonstrate that cumulative emissions reductions are being achieved while setting the emission threshold high enough to exclude small projects that will, in aggregate, contribute approximate 1 percent of projected statewide GHG emissions in the Year 2050. Therefore, a screening threshold of 3,000 MTCO<sub>2</sub>e/yr is based on substantial evidence, provides an acceptable approach for small projects to determine if additional analysis



is required, and is conservatively applied for this Project in the absence of other thresholds of significance adopted by the SJVAPCD. (Refer to page 4.6-24 of the Draft EIR)

The commenter's assertion that requiring net-zero emissions from the Project would be feasible is inaccurate as are the commenter's allegations that requiring net-zero emissions is necessary to ensure Project compliance with the California Air Resources Board (CARB) 2017 or 2022 Scoping Plans. In fact, the CARB 2022 Scoping Plan specifically cautions against using net-zero targets at Appendix D, page 18 of the Scoping Plan:

*Jurisdictions should also avoid creating targets that are impossible to meet as a basis to determine significance. For example, a net-zero target may imply that the GHG emissions of any project that are not reduced or offset to zero would be considered potentially significant. This may lead to undue burdens and frustrate project approval processes, which may be particularly problematic for residential development in climate-smart, infill areas. In addition, some jurisdictions have more land capacity to remove and store carbon, while others host GHG-emitting facilities that serve necessary functions and will take time to transition to new technology (e.g., municipal wastewater treatment plants, landfills, energy generation facilities).*

The commenter also refers to the Newhall Ranch (now FivePoint Valencia) and Centennial (Tejon Ranch) development projects as examples of (voluntary) net-zero development. The capabilities and feasibility of mitigating GHG impacts for Newhall Ranch and Tejon Ranch are different than those for the proposed Project due to their vastly different scales. Newhall Ranch is a mixed-use project that will provide 21,500 residential homes and over 11.5 million square feet of commercial retail and industrial land uses, while Tejon Ranch is a mixed-use project that will provide 19,300 residential homes and 10.1 million square feet of retail, commercial, and institutional uses. Given the sizes and scopes of the Newhall Ranch and Tejon Ranch projects, they are not directly comparable to the Project, which proposes a different type of land use (industrial warehouse) and provides only one building at fraction of the total building area as compared to the tens of thousands of buildings proposed by the Newhall Ranch and Tejon Ranch projects. The sheer differences in size affords the Newhall Ranch and Tejon Ranch opportunities to reduce GHG emissions and economies of scale in incorporating new technologies to reduce GHG emissions that are not available for the Project. As such, it would not be feasible to require the Project to achieve net-zero GHG emissions or adopt a net-zero significance threshold.

- A-3 The commenter urges the City to adopt a net-zero GHG significance threshold for the project, and states that it aligns with California's climate policies and the California Air Resources Board's (CARB) Scoping Plans, which support net-zero emissions as a necessary and appropriate goal for new development. The commenter states that in doing so would also protect the City and Applicant from litigation under CEQA. Refer to Response to Comment A-2 above regarding the feasibility to adopt a net-zero GHG significance threshold.
- A-4 The commenter states that a finding of significant impact under either of the GHG thresholds means the GHG impact as a whole would be significant and recommends that the lead agency communicate the overall significance determination in a way that does not mislead decision-makers and the public. The commenter states that the City should have determined that the



Project’s GHG impact overall would be cumulatively considerable and that the Draft EIR should state a single unified significance conclusion as to GHG impact overall, both before and after mitigation, which the City failed to do.

CEQA Guidelines Section 15064 does not require the Draft EIR to state a single unified significance conclusion if there is a significant impact under ones of the thresholds but not the others. The Draft EIR correct identified impacts under each significance threshold; and explicitly discusses the cumulative impact analysis, impact conclusions before mitigation, and after mitigation in Draft EIR subsections 4.6.7, 4.6.8, and 4.6.10, respectively. (Refer to pages 4.6-30 through 4.6-31 of the Draft EIR). As discussed in Draft EIR Section 4.6, *Greenhouse Gas Emissions*, Project-related GHG emissions and their contribution to global climate change would be cumulatively considerable, and GHG emissions impacts would be potentially significant. (Refer to page 4.6-30 of the Draft EIR)

- A-5 The commenter states that the consistency analysis violates CEQA by erroneously overlooking the Project’s conflict with the 2022 Scoping Plan and failing to acknowledge and analyze all applicable plans for the reduction of GHGs. The commenter states that the Draft EIR does not show consistency with the Scoping Plan’s goal for 50% of all industrial energy demand to be electrified by 2045 and “displacing fossil fuel use with a mix of electrification, solar thermal heat, biomethane, low- or zero-carbon hydrogen, and other low-carbon fuels to provide energy for heat and reduce combustion emissions”.

As discussed in Section 4.6, *Greenhouse Gas Emissions*, Threshold b under subsection 4.6.6 includes the full analysis of the Project’s consistency with State, regional, and local plans, policies, and programs designed to reduce GHG emissions, which supports the impact conclusion that the Project would not conflict with applicable plans, policies, and regulations adopted for the purpose of reducing the emissions of GHG emissions. The commenter is incorrect in its assessment of 2022 Scoping Plan goals, and statements are taken out of context. The statement of “0% energy demand electrified by 2030 and 50% by 2045” discusses the 2022 Scoping Plan scenario that shows actions needed to drastically reduce GHG emissions from the AB 32 Inventory Sectors. Additionally, the reference of “displacing fossil fuel use...and reduce combustion emissions” is a strategy to decarbonize industrial facilities. The 2022 Scoping Plan also states that “Policies that support decarbonization strategies like electrification, use of renewable energy, and transition to alternative fuels are needed” (2022 CARB Scoping Plan, p. 208).<sup>1</sup> As discussed in Section 4.6, *Greenhouse Gas Emissions*, of the Draft EIR, the Project would be designed and built to meet the standard for Leadership in Energy and Environmental Design (LEED) Silver Certification or above. Additionally, the Project would install 79 parking stalls that would be designed as electric vehicle capable and support use of electric standby and/or hybrid electric TRUs (Refer to pages 4.6-28 through 4.6-30 of the Draft EIR). The Project would not impede the State’s progress towards carbon neutrality by 2045 under the 2022 Scoping Plan (Refer to page 4.6-27 of the Draft EIR).

- A-6 The commenter states that relying on vehicle manufacturer compliance is not sufficient to be consistent with the 2022 Scoping Plan and that the City should apply Project-specific measures to reduce vehicle trips and decrease reliance on fossil fuels. The commenter states that the

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<sup>1</sup> <https://ww2.arb.ca.gov/sites/default/files/2023-04/2022-sp.pdf>



finding of less-than-significant impacts before mitigation improperly relies on the assumption that the State will update and enforce applicable mitigation measures and that the Project conflicts with the policies of the applicable plans that it chose to analyze. The commenter's suggestion regarding requiring Project-specific mitigation to reduce vehicle trips is infeasible because regulating and enforcing the types of vehicles sold and permitted to operate on public roads in the State of California falls outside of the jurisdictional authority of the City. The City has no ability or capacity to exclude vehicles that are permitted to be driven on public roads from accessing the Project site. It is the responsibility of federal and State agencies to regulate the types of vehicles sold and driven in California.

- A-7 The commenter states that the City's Climate Action Plan (CAP) is outdated and inapplicable and that the CAP cannot adequately demonstrate the Project would have a less than significant GHG impact. Section 4.6, *Greenhouse Gas Emissions*, of the Draft EIR analyzed the Project with respect to applicable plans that have been adopted and in effect, including the City's CAP. Although the Project would be consistent with the City of Manteca CAP, consistency with the CAP does not ensure compliance with SB 32, as the CAP was intended to support the goals of AB 32, which seek to reduce California's GHG emissions to 1990 levels by 2020. (Refer to page 4.6-23 of the Draft EIR).

Pursuant to 15604.4 of the CEQA Guidelines, a lead agency may rely on qualitative analysis or performance-based standards to determine the significance of impacts from GHG emissions. As such, the Project's consistency with the 2022 Scoping Plan is discussed. It should be noted that the Project's consistency with the 2022 Scoping Plan also satisfies consistency with AB 32 since the 2022 Scoping Plan is based on the overall targets established by AB 32 and SB 32. Consistency with the 2008 and 2017 Scoping Plan is not necessary since both of these plans have been superseded by the 2022 Scoping Plan (Refer to Pages 4.6-26 through 4.6-28).

- A-8 The commenter states that the second GHG threshold requires the Draft EIR to analyze the Project's consistency with all other applicable plans, not just the plans that the City prefers to analyze. Refer to Response to Comment A-7 above. Refer to Responses to Comments A-8 to A-13, below, for responses related to other applicable plans referenced by the commenter.

- A-9 The commenter states that the Project must show consistency with long-term, state GHG goals to comply with CEQA, particularly Executive Order B-55-18. Executive Order B-55-18 establishes a statewide goal to achieve carbon neutrality by 2045. Section 4.6, *Greenhouse Gas Emissions*, of the Draft EIR includes an analysis of the Project's consistency with State, regional, and local plans, policies, and programs designed to reduce GHG emissions. The Project would not impede the State's progress towards carbon neutrality by 2045 under the 2022 Scoping Plan. The Project would be required to comply with applicable regulatory requirements promulgated through the 2022 Scoping Plan. (Refer to pages 4.6-27 through 4.6-28 of the Draft EIR) Additionally, implementation of Mitigation Measures MM 4.1-1 through 4.1-3 and MM 4.6-1 and 4.6-2, as listed in Section 4.1, *Air Quality*, and Section 4.6, *Greenhouse Gas Emissions*, of the Draft EIR, would further reduce GHG emissions. Thus, no further response is required.

- A-10 The commenter states that the Project is inconsistent with Executive Order B-55-18 because it does not prohibit the use of gasoline, diesel, and natural gas. Executive Order B-55-18 does



not prohibit development projects from using gasoline, diesel, and/or natural gas, but instead establishes a statewide goal to achieve carbon neutrality by 2045. Refer to Response to Comment A-9 above.

- A-11 The commenter states that the Draft EIR fails to discuss the Project’s conflicts with the 2017 Scoping Plan, which is still in effect because the goals have not yet been achieved and states that the 2022 Scoping Plan does not replace the 2017 Scoping Plan. The commenter states that the Draft EIR does not explain how the Project aligns with the 2050 goal of reducing emissions by 80% below 1990 levels. As discussed in Section 4.6, *Greenhouse Gas Emissions*, the Project would be consistent with CARB’s 2022 Scoping Plan. It should be noted that the Project’s consistency with the 2022 Scoping Plan also satisfies consistency with AB 32 since the 2022 Scoping Plan is based on the overall targets established by AB 32 and SB 32. Consistency with the 2008 and 2017 Scoping Plans is not necessary since both of these plans have been superseded by the 2022 Scoping Plan. (Refer to Pages 4.6-26 through 4.6-28)
- A-12 The commenter states that the Project significantly overshoots and conflicts with the 2017 Scoping Plan’s 2030 and 2050 GHG emissions target. The commenter states that with or without mitigation, the Project conflicts with the 2017 Scoping Plan and SB 32. The commenter states that the Draft EIR did not calculate GHG emissions after mitigation and that it is unlikely that the proposed mitigation measures would reduce the Project’s GHG emissions to the extent necessary to reach the per-capita targets. Refer to Response to Comment A-11 above. As stated under Footnote 241 in the 2017 Scoping Plan, the 2030 and 2050 statewide target goals are appropriate for the plan level (city, county, subregional, or regional level, as appropriate), but not appropriate for specific individual projects because they include all emissions sectors in the State.<sup>2</sup>

The commenter is correct that GHG emissions would exceed the GHG threshold even with mitigation measures. As described on Page 4.6-31 of the Draft EIR. The Project has the potential to generate a total of approximately 6,469.73 MTCO<sub>2</sub>e/yr and would exceed the 3,000 MTCO<sub>2</sub>e/yr threshold of significance used for this analysis. Of the total emissions, 5,335.14 MTCO<sub>2</sub>e/yr would be generated from mobile sources or 82.46%. Mitigation Measures MM 4.1-1 (sufficiently sized electric room), MM 4.1-2 (electrical hookups at TRU loading docks), MM 4.1-3 (signage for CARB anti-idling regulations), MM 4.6-1 (non-diesel outdoor cargo handling equipment), and MM 4.6-2 (electric powered landscape equipment) would reduce GHG emissions from the Project. However, neither the City of Manteca nor the Project Applicant have regulatory authority to control mobile source (tailpipe) emissions, and no feasible mitigation measures exist that would reduce GHG emissions to levels that are less-than-significant; thus, these emissions are considered significant and unavoidable. The Project would have the potential to result in a cumulatively considerable impact with respect to GHG emissions.

- A-13 The commenter states that because the Project is inconsistent with applicable plans for the reduction of GHGs, it is significant under the second threshold. The commenter also states that the City’s significance determination to the second GHG threshold is not supported by substantial evidence. Pages 4.6-26 through 4.6-30 of the Draft EIR has demonstrated that the

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<sup>2</sup> [https://ww2.arb.ca.gov/sites/default/files/classic/cc/scopingplan/scoping\\_plan\\_2017.pdf](https://ww2.arb.ca.gov/sites/default/files/classic/cc/scopingplan/scoping_plan_2017.pdf)





Project would not conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of GHG. Refer to Response to Comment A-9 above.

- A-14 The commenter summarizes the Draft EIR’s GHG findings and states that the Draft EIR fails to explain how the GHG mitigation measures will meaningfully reduce GHG emissions to the maximum feasible extent. The commenter states that because this conclusion is not supported by substantial evidence, the Draft EIR should have included more mitigation to reduce the Project’s GHG emissions to the extent required by CEQA. As discussed in Section 4.6, *Greenhouse Gas Emissions*, of the Draft EIR, neither the City of Manteca nor the Project Applicant have regulatory authority to control mobile source (tailpipe) emissions, and no feasible mitigation measures exist that would reduce GHG emissions to levels that are less-than-significant; thus, these emissions are considered significant and unavoidable (Refer to Response to Comment A-13 and Page 4.6-31 of the Draft EIR).
- A-15 The commenter states that the Draft EIR should have supported the proposed GHG mitigation measures to the maximum-feasible extent in order to justify the conclusion that the Project’s GHG impact would be unavoidable due to lack of feasibility of further mitigation. The commenter states that there are other readily available mitigation measures and that the City and Applicant can commit to design and technology specifications that reduce emissions, especially in heavy-duty truck and transportation vehicle fleet. The commenter does not provide details on the specific readily available mitigation measures that the Project should adopt. The commenter’s suggestion regarding requiring heavy-duty truck and transportation vehicle fleet mitigation is infeasible because regulating and enforcing the types of vehicles sold and permitted to operate on public roads in the State of California falls outside of the jurisdictional authority of the City. The City has no ability or capacity to exclude vehicles that are permitted to be driven on public roads from accessing the Project site. It is the responsibility of federal and State agencies to regulate the types of vehicles sold and driven in California.
- A-16 The commenter states that the Draft EIR conclusion regarding GHG mitigation measures is incorrect and not supported by substantial evidence. The commenter states that the Draft EIR did not propose mitigation to reduce the non-mobile emissions to the maximum feasible extent and did not quantify the potential GHG reductions of the proposed mitigation measures. The commenter states that the Project’s GHG emissions is a good starting point from which to subtract the effect of additional non-offset mitigation measures, before implementing offset purchases. Recent Court of Appeal decisions have cast considerable doubt on the use of such offsets to mitigate GHG impacts from land use development projects. In *Golden Door Properties, LLC v. County of San Diego* (2020) 50 Cal.App.5th 467, the Court of Appeal invalidated a mitigation measure that required the purchase of offsets from a “CARB-approved registry, such as the Climate Action Reserve, the American Carbon Registry, and the Verified Carbon Standard.” (*Id.* at 510.) Although the court insisted its decision “should not be construed as blanket prohibition on using carbon offsets” to mitigate GHG emissions under CEQA, it found numerous flaws with the measure at issue and failed to provide a clear roadmap for how to craft a similar valid measure. The court also declined to express an opinion on a number of issues, including whether offsets could potentially be used to mitigate more than 8% of a project’s emissions and the extent to which out-of-county offsets could be used. (*Id.* at 503, 513, n. 27.) Subsequent to *Golden Door* (and within the last two years), another measure requiring the purchase of offsets was similarly found to be invalid in an unpublished Court of





Appeal decision, with the court finding the measure’s inclusion of additional standards for offsets did “not cure the defects found in Golden Door.” (*Sierra Club v. County of San Diego* (Dec. 21, 2021, No. D077548) 2021 WL 6050624, at \*11.) Considering such uncertainty, carbon offsets are not a feasible method for mitigating the Project’s GHG emissions.

*Golden Door* and other cases make clear that the purchase of offsets is not a substitute for avoiding emissions and that measures that result in actual reductions in emissions from a development project are preferable to attempting to offset emissions via offsets. Thus, the Draft EIR requires that the Project implement numerous mitigation measures designed to reduce the Project’s GHG emissions, in addition to regulatory requirements designed to reduce GHG emissions (Refer to Pages 4.6-30 through 4.6-31 of the Draft EIR).

- A-17 The commenter states that the City could improve upon and go beyond the existing GHG mitigation measures, including entering into agreements with the Project Applicant to install heavy-duty truck charging stations at the loading docks and to install electric vehicle (EV) charging stations in the parking areas. As discussed in Section 4.6, *Greenhouse Gas Emissions*, the Project would be consistent with the Low Carbon Fuel Standard. The Project would install 79 parking stalls that would be designed as electric vehicle capable and support use of electric standby and/or hybrid electric TRUs. (Refer to page 4.6-28 of the Draft EIR)
- A-18 The commenter states that the Project could install solar panels to produce renewable electricity onsite beyond the Title 24 Standards and could require future tenants to enroll in the U.S. Environmental Protection Agency’s SmartWay program. The commenter also states that the Project Applicant could provide tenants with information on fleet upgrade incentive programs such as the Carl Moyer Program and the Voucher Incentive Program. Mitigation Measure 4.1-2 requires all TRU loading docks to be designed to be compatible with EPA’s SmartWay Trucks. Providing solar panels to produce renewable electricity beyond the required Title 24 standards would not substantially reduce any of the Project’s significant environmental impacts since the Project’s energy source emissions only account for 12% of the total emissions. However, the Project building would be designed and built to meet the standard for LEED Silver Certification, or above, which incorporates energy efficiency features and solar would be installed at the Project building at the time the tenant is known.
- A-19 The commenter states that the Project does not propose mitigation for warehouse refrigeration storage, only potential mitigation of the Transportation Refrigeration Units (TRUs). The commenter states that the City could commit to low-warming HFCs or other alternatives to traditional coolants, as well as energy efficient refrigeration systems. CARB already has a regulation in place to minimize GHG emissions from refrigerants (The Refrigerant Management Program, codified at 17 CCR § 95380 et seq.).<sup>3</sup> Furthermore, as noted in the *Final Environmental Analysis*<sup>4</sup>:

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<sup>3</sup> <https://ww2.arb.ca.gov/sites/default/files/2022-12/2022-sp-appendix-b-final-environmental-analysis.pdf> (page 30)

<sup>4</sup> *Id.*, (Page 32)



*Finally, it is important to note that under the American Innovation and Manufacturing (AIM) Act of 2020, a national HFC phasedown is now underway in the United States. Under the phasedown, a nationwide shift away from high-GWP HFCs to lower-GWP and HFC-free alternatives is expected to occur. The national phasedown mirrors the global HFC phasedown already in effect under the Kigali Amendment to the Montreal Protocol. These measures have paved the way for a global technological shift towards lower-GWP and HFC-free alternatives in all sectors that rely on HFCs. Thus, any major shifts in the HFC market – such as increased production and imports of lower GWP alternatives, modifications to facilities where these gases are produced and used, and enhanced transportation of high-and low-GWP gases – will be driven predominantly by the global and national HFC phasedowns currently underway, not by California’s measures.*

As demonstrated by the above text from CARB, the global market already is moving to low-warming refrigerants and over the course of the Project’s lifespan it is unlikely that high-GWP refrigerants would be used in any substantive form on the Project Site. Based on the CARB regulation already in effect and the global phasedown of high-GWP refrigerants, no additional mitigation is needed for the Project.

- A-20 The commenter states that the City could also require the Applicant to enter into an agreement to have a zero-emission light duty, medium duty, and heavy-duty truck fleet as soon as feasible and to buy clean power for the warehouse’s remaining electricity usage that it is unable to produce through solar power on-site. The commenter also states that the City could also require the Applicant to purchase carbon offsets to the extent necessary to mitigate the Project’s emissions to the fair-share and maximum feasible extent. Refer to Response to Comment A-15 and A-16 above.
- A-21 The commenter states that there are more options available to mitigate emissions to the full extent, including recommendations of warehouse best practice measures encouraged by the California Attorney General. The commenter states that the City did not demonstrate that it would be infeasible to implement more mitigation measures than the ones identified in the Draft EIR. As discussed in Section 4.9, *Land Use and Planning*, the Project would be consistent with Policy LU-5.11: As part of the application review process, ensure that employment generating projects incorporate best practices and mitigation measures, where necessary, as recommended by the State, including best practices identified by CARB, SJVAPCD, and the California Attorney General, including the Warehouse Projects: Best Practices and Mitigation Measures to Comply with the California Environmental Quality Act, as may be amended or replaced. (Refer to page 4.9-6 of the Draft EIR). As discussed in Section 4.1, *Air Quality*, of the Draft EIR, Project-related activities would not exceed the applicable SJVAPCD thresholds of significance during construction and operations. As such, Project-related emissions would not violate SJVAPCD air quality standards or contribute to the non-attainment of ozone standards in SJVAB, and impacts would be less than significant. Mitigation Measure MM 4.1-1, which requires electrical hookups for all TRU loading docks, would ensure the Project’s operational TAC emissions would not exceed SJVAPCD cancer risk significance thresholds. (Refer to Pages 4.1-30 through 4.1-32 of the Draft EIR).
- A-22 The commenter concludes the letter and states that the Draft EIR fails to require all feasible mitigation, despite concluding that the significant GHG impact would be unavoidable and that



**Spreckels Distribution Center  
Final Environmental Impact Report**

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the Draft EIR should be amended to reflect all feasible mitigation to the fair-share extent. Refer to Response to Comment Nos. A-2 through A-21 above. Thus, no further response is required.



**COMMENT LETTER B**

**From:** [Richard Massiatt](#)  
**To:** [Nicole Morse](#); [David Ruby](#)  
**Cc:** [Alan Leventhal](#); [Marni McManus](#)  
**Subject:** Re: Manteca, Spreckels NOA of Draft EIR  
**Date:** Wednesday, June 18, 2025 9:15:08 PM  
**Attachments:** [image001.png](#)  
[image002.png](#)  
[image003.png](#)  
[image004.png](#)  
[image005.png](#)  
[image006.png](#)  
[image007.png](#)  
[image008.png](#)  
[image009.png](#)  
[image010.png](#)  
[Outlook-3mvzkoiv.png](#)  
[407 Spreckels DEIR NOA 20250610.pdf](#)

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Hello Nicole Morse

Thank you for reaching out to Muwekma Ohlone Tribe, Inc., we are interested in your project and would like to have further discussions in assisting you with our services if needed. We offer Tribal Consultations as defined under Section 106, CEQA, Assembly Bill (AB) 52, Senate Bill (SB) 18 Consultation, and California Public Resources Code § 21080.3.1.

Should your agency and/or project developers choose to work with our Tribe for monitoring and, if necessary, burial recovery services after our Senior Tribal Archeologist and Ethnohistorian Alan Leventhal have reviewed all documents, he will have further discussions with you.

At your request we can email you our services and our Muwekma Rate sheet for your review. Any other future concerns please contact us.

Please update new mailing address 1169 S. Main St. Ste. 336 Manteca CA. 95337

Best regards,

Richard Massiatt  
Executive Director  
Muwekma Ohlone Tribe of the San Francisco Bay Area  
(209) 321-0372



B-1



**Responses to Comment B**

**Muwekma Ohlone Tribe of the San Francisco Bay Area, dated June 18, 2025**

- B-1 The commenter states that the Muwekma Ohlone Tribe is interested in the Project and would like to have further discussions regarding assisting in Tribal Consultation services. The commenter requests that the City change the Tribe's mailing address to 1169 S. Main St. Ste. 336 Manteca CA. 95337. As discussed in Section 4.12, *Tribal Cultural Resources*, during the Native American consultation process, the City received correspondence that the Muwekma Ohlone Tribe requested tribal and archaeological monitors to be present for all groundbreaking activities and provided publications, reports, and historical documents relating to the history and heritage of the Tribe. Information from the materials provided by the Muwekma Ohlone Tribe relevant to the Project is incorporated into Section 2.3 of the Cultural Resources Study (*Technical Appendix D* of the Draft EIR). Impacts Related to tribal cultural resources were determined to be potentially significant and mitigation was incorporated. Mitigation Measure MM 4.12-1 of the Draft EIR includes the requirement to retain a tribal/archaeological monitor from the Muwekma Ohlone Tribe prior to grading permits to implement the monitoring program (Refer to Page 4.12-10 of the Draft EIR). The City will update the mailing address for future tribal consultation services as necessary. Thus, no further response is required.



**COMMENT LETTER C**



Pacific Gas and Electric Company  
PGEPlanReview@pge.com  
Land Management  
300 Lakeside Drive  
Oakland, CA 94612

July 28, 2025

Re: Gas and Electric Transmission and Distribution

Dear David Ruby,

Thank you for providing PG&E the opportunity to review your proposed plans for Spreckles. Our review indicates the proposed work and/or improvements do not appear to directly interfere with any of PG&E’s existing facilities or land rights.

C-1

Please note, this is our preliminary review and PG&E may provide additional comments in the future as the project progresses or if additional information is provided. If there are subsequent modifications made to the design, we ask that the plans be resubmitted for review to the email address listed below.

C-2

If PG&E gas and/or electric service are needed, please submit an application through PG&E’s Your Project Portal: [Sign In \(yourprojects-pge.com\)](https://yourprojects-pge.com).

C-3

As a reminder, before any digging or excavation occurs, please contact Underground Service Alert (USA) by dialing 811 a minimum of two (2) working days prior to commencing any work. This free and independent service will ensure that all existing underground utilities are identified and marked on-site.

C-4

If you have any questions regarding this response, please contact me at (877) 259-8314 or [pgeplanreview@pge.com](mailto:pgeplanreview@pge.com)

C-5

Sincerely,

PG&E Plan Review Team  
Land Management







**COMMENT LETTER C**

**From:** PGE Plan Review <PGEPlanReview@pge.com>  
**Sent:** Monday, June 23, 2025 2:28 PM  
**To:** David Ruby <druby@manteca.gov>  
**Cc:** Nicole Morse <NMorse@tbplanning.com>  
**Subject:** RE: Manteca, Spreckels NOA of Draft EIR

Classification: Internal

Dear David Ruby,

Thank you for submitting **the Spreckels** project plans. The PG&E Plan Review Team is currently reviewing the information provided. If the project has the potential to interfere with PG&E's facilities, we will provide project-specific comments in response.

Attached, you will find general guidelines regarding work near PG&E facilities and land rights. Please ensure compliance with these requirements when conducting work in proximity to PG&E's infrastructure.

Please note that this email and its attachment do not constitute PG&E's consent to utilize any portion of PG&E's land rights for purposes not previously granted. If there are any modifications to your design, we kindly request that you resubmit the revised plans to the email address listed below to ensure accurate review and assessment.

Should you have any questions regarding our review process or require further clarification, please do not hesitate to contact the PG&E Plan Review Team at [pgeplanreview@pge.com](mailto:pgeplanreview@pge.com).

Thank you for your cooperation. We appreciate the opportunity to assist.

Best regards,



**Pacific Gas and Electric Company  
Plan Review Team**

Email: [pgeplanreview@pge.com](mailto:pgeplanreview@pge.com)

C-6



**COMMENT LETTER C**



Plan Review Team  
Land Management

PGEPlanReview@pge.com

June 23, 2025

**David Ruby, Senior Planner  
Manteca Development Services Department  
1215 W. Center Street, Suite 201  
Manteca, CA 95337**

Ref: Gas and Electric Transmission and Distribution

Dear David Ruby,

Thank you for submitting project the **Spreckels** plans for our review. PG&E will review the submitted plans in relationship to any existing Gas and Electric facilities within the project area. If the proposed project is adjacent/or within PG&E owned property and/or easements, we will be working with you to ensure compatible uses and activities near our facilities.

Attached you will find information and requirements as it relates to Gas facilities (Attachment 1) and Electric facilities (Attachment 2). Please review these in detail, as it is critical to ensure your safety and to protect PG&E's facilities and its existing rights.

Below is additional information for your review:

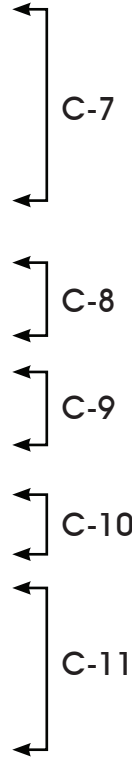
1. This plan review process does not replace the application process for PG&E gas or electric service your project may require. For these requests, please continue to work with PG&E Service Planning: <https://www.pge.com/en/account/service-requests/building-and-renovation.html>.
2. If the project being submitted is part of a larger project, please include the entire scope of your project, and not just a portion of it. PG&E's facilities are to be incorporated within any CEQA document. PG&E needs to verify that the CEQA document will identify any required future PG&E services.
3. An engineering deposit may be required to review plans for a project depending on the size, scope, and location of the project and as it relates to any rearrangement or new installation of PG&E facilities.

Any proposed uses within the PG&E fee strip and/or easement, may include a California Public Utility Commission (CPUC) Section 851 filing. This requires the CPUC to render approval for a conveyance of rights for specific uses on PG&E's fee strip or easement. PG&E will advise if the necessity to incorporate a CPUC Section 851 filing is required.

This letter does not constitute PG&E's consent to use any portion of its easement for any purpose not previously conveyed. PG&E will provide a project specific response as required.

Sincerely,

Plan Review Team  
Land Management





**COMMENT LETTER C**



**Attachment 1 – Gas Facilities**

There could be gas transmission pipelines in this area which would be considered critical facilities for PG&E and a high priority subsurface installation under California law. Care must be taken to ensure safety and accessibility. So, please ensure that if PG&E approves work near gas transmission pipelines it is done in adherence with the below stipulations. Additionally, the following link provides additional information regarding legal requirements under California excavation laws: <https://www.usanorth811.org/images/pdfs/CA-LAW-2018.pdf>

1. Standby Inspection: A PG&E Gas Transmission Standby Inspector must be present during any demolition or construction activity that comes within 10 feet of the gas pipeline. This includes all grading, trenching, substructure depth verifications (potholes), asphalt or concrete demolition/removal, removal of trees, signs, light poles, etc. This inspection can be coordinated through the Underground Service Alert (USA) service at 811. A minimum notice of 48 hours is required. Ensure the USA markings and notifications are maintained throughout the duration of your work.

2. Access: At any time, PG&E may need to access, excavate, and perform work on the gas pipeline. Any construction equipment, materials, or spoils may need to be removed upon notice. Any temporary construction fencing installed within PG&E's easement would also need to be capable of being removed at any time upon notice. Any plans to cut temporary slopes exceeding a 1:4 grade within 10 feet of a gas transmission pipeline need to be approved by PG&E Pipeline Services in writing PRIOR to performing the work.

3. Wheel Loads: To prevent damage to the buried gas pipeline, there are weight limits that must be enforced whenever any equipment gets within 10 feet of traversing the pipe.

Ensure a list of the axle weights of all equipment being used is available for PG&E's Standby Inspector. To confirm the depth of cover, the pipeline may need to be potholed by hand in a few areas.

Due to the complex variability of tracked equipment, vibratory compaction equipment, and cranes, PG&E must evaluate those items on a case-by-case basis prior to use over the gas pipeline (provide a list of any proposed equipment of this type noting model numbers and specific attachments).

No equipment may be set up over the gas pipeline while operating. Ensure crane outriggers are at least 10 feet from the centerline of the gas pipeline. Transport trucks must not be parked over the gas pipeline while being loaded or unloaded.

4. Grading: PG&E requires a minimum of 36 inches of cover over gas pipelines (or existing grade if less) and a maximum of 7 feet of cover at all locations. The graded surface cannot exceed a cross slope of 1:4.

5. Excavating: Any digging within 2 feet of a gas pipeline must be dug by hand. Note that while the minimum clearance is only 24 inches, any excavation work within 24 inches of the edge of a pipeline must be done with hand tools. So to avoid having to dig a trench entirely with hand tools, the edge of the trench must be over 24 inches away. (Doing the math for a 24 inch



**COMMENT LETTER C**



wide trench being dug along a 36 inch pipeline, the centerline of the trench would need to be at least 54 inches [ $24/2 + 24 + 36/2 = 54$ ] away, or be entirely dug by hand.)

Water jetting to assist vacuum excavating must be limited to 1000 psig and directed at a 40° angle to the pipe. All pile driving must be kept a minimum of 3 feet away.

Any plans to expose and support a PG&E gas transmission pipeline across an open excavation need to be approved by PG&E Pipeline Services in writing PRIOR to performing the work.

6. Boring/Trenchless Installations: PG&E Pipeline Services must review and approve all plans to bore across or parallel to (within 10 feet) a gas transmission pipeline. There are stringent criteria to pothole the gas transmission facility at regular intervals for all parallel bore installations.

For bore paths that cross gas transmission pipelines perpendicularly, the pipeline must be potholed a minimum of 2 feet in the horizontal direction of the bore path and a minimum of 24 inches in the vertical direction from the bottom of the pipe with minimum clearances measured from the edge of the pipe in both directions. Standby personnel must watch the locator trace (and every ream pass) the path of the bore as it approaches the pipeline and visually monitor the pothole (with the exposed transmission pipe) as the bore traverses the pipeline to ensure adequate clearance with the pipeline. The pothole width must account for the inaccuracy of the locating equipment.

7. Substructures: All utility crossings of a gas pipeline should be made as close to perpendicular as feasible (90° +/- 15°). All utility lines crossing the gas pipeline must have a minimum of 24 inches of separation from the gas pipeline. Parallel utilities, pole bases, water line 'kicker blocks', storm drain inlets, water meters, valves, back pressure devices or other utility substructures are not allowed in the PG&E gas pipeline easement.

If previously retired PG&E facilities are in conflict with proposed substructures, PG&E must verify they are safe prior to removal. This includes verification testing of the contents of the facilities, as well as environmental testing of the coating and internal surfaces. Timelines for PG&E completion of this verification will vary depending on the type and location of facilities in conflict.

8. Structures: No structures are to be built within the PG&E gas pipeline easement. This includes buildings, retaining walls, fences, decks, patios, carports, septic tanks, storage sheds, tanks, loading ramps, or any structure that could limit PG&E's ability to access its facilities.

9. Fencing: Permanent fencing is not allowed within PG&E easements except for perpendicular crossings which must include a 16 foot wide gate for vehicular access. Gates will be secured with PG&E corporation locks.

10. Landscaping: Landscaping must be designed to allow PG&E to access the pipeline for maintenance and not interfere with pipeline coatings or other cathodic protection systems. No trees, shrubs, brush, vines, and other vegetation may be planted within the easement area. Only those plants, ground covers, grasses, flowers, and low-growing plants that grow unsupported to a maximum of four feet (4') in height at maturity may be planted within the easement area.



**COMMENT LETTER C**



11. Cathodic Protection: PG&E pipelines are protected from corrosion with an “Impressed Current” cathodic protection system. Any proposed facilities, such as metal conduit, pipes, service lines, ground rods, anodes, wires, etc. that might affect the pipeline cathodic protection system must be reviewed and approved by PG&E Corrosion Engineering.

12. Pipeline Marker Signs: PG&E needs to maintain pipeline marker signs for gas transmission pipelines in order to ensure public awareness of the presence of the pipelines. With prior written approval from PG&E Pipeline Services, an existing PG&E pipeline marker sign that is in direct conflict with proposed developments may be temporarily relocated to accommodate construction work. The pipeline marker must be moved back once construction is complete.

13. PG&E is also the provider of distribution facilities throughout many of the areas within the state of California. Therefore, any plans that impact PG&E’s facilities must be reviewed and approved by PG&E to ensure that no impact occurs which may endanger the safe operation of its facilities.



COMMENT LETTER C



Attachment 2 – Electric Facilities

It is PG&E's policy to permit certain uses on a case by case basis within its electric transmission fee strip(s) and/or easement(s) provided such uses and manner in which they are exercised, will not interfere with PG&E's rights or endanger its facilities. Some examples/restrictions are as follows:

1. Buildings and Other Structures: No buildings or other structures including the foot print and eave of any buildings, swimming pools, wells or similar structures will be permitted within fee strip(s) and/or easement(s) areas. PG&E's transmission easement shall be designated on subdivision/parcel maps as "**RESTRICTED USE AREA – NO BUILDING.**"
2. Grading: Cuts, trenches or excavations may not be made within 25 feet of our towers. Developers must submit grading plans and site development plans (including geotechnical reports if applicable), signed and dated, for PG&E's review. PG&E engineers must review grade changes in the vicinity of our towers. No fills will be allowed which would impair ground-to-conductor clearances. Towers shall not be left on mounds without adequate road access to base of tower or structure.
3. Fences: Walls, fences, and other structures must be installed at locations that do not affect the safe operation of PG&E's facilities. Heavy equipment access to our facilities must be maintained at all times. Metal fences are to be grounded to PG&E specifications. No wall, fence or other like structure is to be installed within 10 feet of tower footings and unrestricted access must be maintained from a tower structure to the nearest street. Walls, fences and other structures proposed along or within the fee strip(s) and/or easement(s) will require PG&E review; submit plans to PG&E Centralized Review Team for review and comment.
4. Landscaping: Vegetation may be allowed; subject to review of plans. On overhead electric transmission fee strip(s) and/or easement(s), plant only low-growing shrubs under the wire zone and only grasses within the area directly below the tower. Along the border of the transmission line right-of-way, plant only small trees no taller than 10 feet in height at maturity. PG&E must have access to its facilities at all times, including access by heavy equipment. No planting is to occur within the footprint of the tower legs. Greenbelts are encouraged.
5. Reservoirs, Sumps, Drainage Basins, and Ponds: Prohibited within PG&E's fee strip(s) and/or easement(s) for electric transmission lines.
6. Automobile Parking: Short term parking of movable passenger vehicles and light trucks (pickups, vans, etc.) is allowed. The lighting within these parking areas will need to be reviewed by PG&E; approval will be on a case by case basis. Heavy equipment access to PG&E facilities is to be maintained at all times. Parking is to clear PG&E structures by at least 10 feet. Protection of PG&E facilities from vehicular traffic is to be provided at developer's expense AND to PG&E specifications. Blocked-up vehicles are not allowed. Carports, canopies, or awnings are not allowed.
7. Storage of Flammable, Explosive or Corrosive Materials: There shall be no storage of fuel or combustibles and no fueling of vehicles within PG&E's easement. No trash bins or incinerators are allowed.



COMMENT LETTER C



8. Streets and Roads: Access to facilities must be maintained at all times. Street lights may be allowed in the fee strip(s) and/or easement(s) but in all cases must be reviewed by PG&E for proper clearance. Roads and utilities should cross the transmission easement as nearly at right angles as possible. Road intersections will not be allowed within the transmission easement.

9. Pipelines: Pipelines may be allowed provided crossings are held to a minimum and to be as nearly perpendicular as possible. Pipelines within 25 feet of PG&E structures require review by PG&E. Sprinklers systems may be allowed; subject to review. Leach fields and septic tanks are not allowed. Construction plans must be submitted to PG&E for review and approval prior to the commencement of any construction.

10. Signs: Signs are not allowed except in rare cases subject to individual review by PG&E.

11. Recreation Areas: Playgrounds, parks, tennis courts, basketball courts, barbecue and light trucks (pickups, vans, etc.) may be allowed; subject to review of plans. Heavy equipment access to PG&E facilities is to be maintained at all times. Parking is to clear PG&E structures by at least 10 feet. Protection of PG&E facilities from vehicular traffic is to be provided at developer's expense AND to PG&E specifications.

12. Construction Activity: Since construction activity will take place near PG&E's overhead electric lines, please be advised it is the contractor's responsibility to be aware of, and observe the minimum clearances for both workers and equipment operating near high voltage electric lines set out in the High-Voltage Electrical Safety Orders of the California Division of Industrial Safety (<https://www.dir.ca.gov/Title8/sb5g2.html>), as well as any other safety regulations. Contractors shall comply with California Public Utilities Commission General Order 95 ([http://www.cpuc.ca.gov/gos/GO95/go\\_95\\_startup\\_page.html](http://www.cpuc.ca.gov/gos/GO95/go_95_startup_page.html)) and all other safety rules. No construction may occur within 25 feet of PG&E's towers. All excavation activities may only commence after 811 protocols has been followed.

Contractor shall ensure the protection of PG&E's towers and poles from vehicular damage by (installing protective barriers) Plans for protection barriers must be approved by PG&E prior to construction.

13. PG&E is also the owner of distribution facilities throughout many of the areas within the state of California. Therefore, any plans that impact PG&E's facilities must be reviewed and approved by PG&E to ensure that no impact occurs that may endanger the safe and reliable operation of its facilities.



### **Responses to Comment C**

#### **Pacific Gas and Electric Company, dated July 28, 2025 and June 23, 2025**

- C-1 This comment serves as an introductory comment and states that the Project would not directly interfere with any of the Pacific Gas and Electric Company (PG&E) existing facilities or land rights. The City appreciates PG&E's review of the project with respect to their existing facilities and land rights. This comment does not raise any issues concerning the environmental analysis provided in the Draft EIR and thus no further response is required.
- C-2 The commenter states that this comment letter serves as a preliminary review and there may be additional comments as the Project progresses or if Project plans are modified. The City and Project Applicant acknowledge that if Project plans are modified, the plans will be resubmitted to the commenter for review. This comment does not raise any issues concerning the environmental analysis provided in the Draft EIR and thus no further response is required.
- C-3 The commenter provides information on the application process for gas and/or electric services. The Project Applicant will submit applications as necessary for these services. This comment does not raise any issues concerning the environmental analysis provided in the Draft EIR and thus no further response is required.
- C-4 The commenter states that Underground Service Alert should be contacted a minimum of two (2) working days prior to commencing any digging or excavation activities to ensure that all existing underground utilities are identified and marked on-site. The Project Applicant and City will comply with this procedure prior to construction activities. This comment does not raise any issues concerning the environmental analysis provided in the Draft EIR and thus no further response is required.
- C-5 This commenter provides concluding remarks. The Project Applicant and the City acknowledge the PG&E Plan Review Team as the main contact for PG&E. Thus, no further response is required.
- C-6 This comment serves as an introductory comment for the attached letter that includes general guidelines regarding work near PG&E facilities and land rights. Refer to Response to Comments C-7 to C-11 below. Thus, no further response is required.
- C-7 The commenter provides introductory comments, states that PG&E will review the Project in relation to existing facilities within the Project area and provides information and requirements as it relates to its facilities as attachments. As provided in the subsequent letter by the commenter on July 28, 2025, the commenter states that the Project would not directly interfere with any of the PG&E existing facilities. This comment does not raise any issues concerning the environmental analysis provided in the Draft EIR and thus no further response is required.
- C-8 The commenter states that the plan review process does not replace the application process for PG&E gas or electric service the Project may require. The Project Applicant and City acknowledge PG&E application process and will adhere to its procedure as required. This comment does not raise any issues concerning the environmental analysis provided in the Draft EIR and thus no further response is required.



- C-9 The commenter states that if the Project being submitted is part of a larger project, the entire scope of the Project should be included. The Project is not part of a larger project; therefore, no additional information is required to be submitted to PG&E. This comment does not raise any issues concerning the environmental analysis provided in the Draft EIR and thus no further response is required.
- C-10 The commenter states that an engineering deposit may be required to review plans for a project depending on the size, scope, and location of the project and as it relates to any rearrangement or new installation of PG&E facilities. The Project Applicant and City acknowledges the fee requirements and will pay applicable fees for review as necessary. This comment does not raise any issues concerning the environmental analysis provided in the Draft EIR and thus no further response is required.
- C-11 The commenter states that any proposed uses within the PG&E fee strip and/or easement, may include a California Public Utility Commission (CPUC) Section 851 filing and this letter does not constitute PG&E's consent to use any portion of its easement for any purpose not previously conveyed. The Project Applicant acknowledges the requirements for PG&E fee strip and/or easement. This comment does not raise any issues concerning the environmental analysis provided in the Draft EIR and thus no further response is required.



**COMMENT LETTER D**



**Environmental Health Department**

**Jasjit Kang, REHS, Director**

Muniappa Naidu, REHS, Assistant Director

**PROGRAM COORDINATORS**

Jeff Carruesco, REHS, RDI

Willy Ng, REHS

Steven Shih, REHS

Elena Manzo, REHS

Natalia Subbotnikova, REHS

July 1, 2025

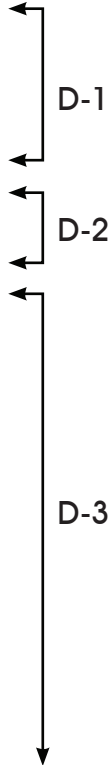
To: City of Manteca Development Services Department  
Attention: David Ruby, Senior Planner

From: Sastina Thammavongsa; (209) 616-3068 *ST*  
Registered Environmental Health Specialist

RE: **Spreckels Distribution Center, Draft Environmental Impact Report, Referral,  
SU-2500676  
407 Spreckels Avenue, Manteca APN: 221-250-35**

The San Joaquin County Environmental Health Department (EHD) recommends the following conditions as a part of developing this project:

- 1) Any existing wells or septic systems to be abandoned shall be destroyed under permit and inspection by the EHD (San Joaquin County Development Title, Section 9-605.010 & 9-601.020)
- 2) Any geotechnical drilling shall be conducted under permit and inspection by The Environmental Health Department (San Joaquin County Development Title, Section 9-601.010(b) and 9-601.020(i)).
- 3) Before any hazardous materials/waste can be stored or used onsite, the owner/operator must report the use or storage of these hazardous materials to the California Environmental Reporting System (CERS) at [cers.calepa.ca.gov/](http://cers.calepa.ca.gov/) and comply with the laws and regulations for the programs listed below (based on quantity of hazardous material in some cases). The applicant may contact the Program Coordinator of the CUPA program, Elena Manzo (209) 953-7699, with any questions.
  - a. Any amount but not limited to the following hazardous waste; hazardous material spills, used oil, used oil filters, used oil-contaminated absorbent/debris, waste antifreeze, used batteries or other universal waste, etc. – **Hazardous Waste Program** (Health & Safety Code (HSC) Sections 25404 & 25180 et sec.)
  - b. Onsite treatment of hazardous waste – **Hazardous Waste Treatment Tiered Permitting Program** (HSC Sections 25404 & 25200 et sec. & California Code of Regulations (CCR), Title 22, Section 67450.1 et sec.)
  - c. Reportable quantities of hazardous materials-reportable quantities are 55 gallons or more of liquids, 500 pounds for solids, or 200 cubic feet for compressed gases, with some exceptions. Carbon dioxide is a regulated substance and is required to be reported as a hazardous material if storing 1,200 cubic feet (137 pounds) or more onsite in San





**COMMENT LETTER D**

Spreckels Distribution Center, Draft Environmental Impact Report, Referral, SU-2500676  
407 Spreckels Avenue, Manteca APN: 221-250-35

Page 2 of 2  
July 1, 2025

- Joaquin County – **Hazardous Materials Business Plan Program** (HSC Sections 25508 & 25500 et sec.)
- d. Any amount of hazardous material stored in an Underground Storage Tank – **Underground Storage Tank Program** (HSC Sections 25286 & 25280 et sec.)
    - i. If an underground storage tank (UST) system will be installed, a permit is required to be submitted to, and approved by, the San Joaquin County Environmental Health Department (EHD) before any UST installation work can begin.
    - ii. Additionally, an EHD UST permit to operate is required once the approved UST system is installed.
  - e. Storage of at least 1,320 gallons of petroleum aboveground or any amount of petroleum stored below grade in a vault – **Aboveground Petroleum Storage Program** (HSC Sections 25270.6 & 25270 et sec.)
    - i. **Spill Prevention, Countermeasures and Control (SPCC) Plan requirement**
    - f. Threshold quantities of regulated substances stored onsite - **California Accidental Release Prevention (CalARP) Program** (Title 19, Section 2735.4 & HSC Section 25531 et sec.)
      - i. **Risk Management Plan requirement for covered processes**

D-3  
(CONT.)



**Responses to Comment D**

**San Joaquin County Environmental Health Department, dated July 1, 2025**

- D-1 The commenter provides a list of conditions that the San Joaquin County Environmental Health Department (EHD) recommends as a part of Project development. The commenter lists the condition: Any existing wells or septic systems to be abandoned shall be destroyed under permit and inspection by the EHD (San Joaquin County Development Title, Section 9-605.010 & 9601.020). According to Table 6-1, Subject Property Observations, of the Project's Phase I Environmental Site Assessment (ESA), no septic systems (e.g., tank and leach fields), wells (irrigation, monitoring, or domestic), wells (dry), or wells (oil and gas) were observed on the Project site (Refer to *Technical Appendix H1* of the Draft EIR). Therefore, permit and inspection by the San Joaquin County EHD is not required. No further response is required.
- D-2 The commenter lists the condition: Any geotechnical drilling shall be conducted under permit and inspection by The Environmental Health Department (San Joaquin County Development Title, Section 9601.010(b) and 9-601.020(i)). The Project will include this condition of approval of Project development.
- D-3 The commenter lists the condition: Before any hazardous materials/waste can be stored or used onsite, the owner/operator must report the use or storage of these hazardous materials to the California Environmental Reporting System (CERS) at [cers.calepa.ca.gov/](http://cers.calepa.ca.gov/) and comply with the laws and regulations for the programs listed (based on quantity of hazardous material in some cases). The applicant may contact the Program Coordinator of the CUPA program, Elena Manzo (209) 953-7699, with any questions.

As discussed in Section 4.7, *Hazards and Hazardous Materials*, of the Draft EIR, Project construction and operation would be conducted in accordance with all applicable local, State, and federal regulations (Refer to Pages 4.7-10 through 4.7-14 of the Draft EIR). Following Project approval, if any future tenant proposes to store or use hazardous materials/waste on site, they will be required to contact the Program Coordinator of the CUPA program and comply required regulations. This will be added as a condition of approval for the project. The Project Applicant and City acknowledges Elena Manzo as the Program Coordinator of the CUPA program. No further response is required.



**COMMENT LETTER E**



**S J C O G, Inc.**

555 East Weber Avenue • Stockton, CA 95202 • (209) 235-0574 • Email: boyd@sjcog.org

*San Joaquin County Multi-Species Habitat Conservation & Open Space Plan (SJMSCP)*

**SJMSCP RESPONSE TO LOCAL JURISDICTION (RTLJ)  
ADVISORY AGENCY NOTICE TO SJCOC, Inc.**

**To:** David Ruby, City of Manteca, Development Services Department  
**From:** Laurel Boyd, SJCOC, Inc. Phone: (209) 235-0574 Email: boyd@sjcog.org  
**Date:** June 24, 2025  
**Local Jurisdiction Project Title:** Notice of Availability Spreckels Distribution Center Project Draft EIR  
**Assessor Parcel Number(s):** 221-250-35  
**Local Jurisdiction Project Number:** SCH# 2021050017  
**Total Acres to be converted from Open Space Use:** Unknown  
**Habitat Types to be Disturbed:** Urban Habitat Land  
**Species Impact Findings:** Findings to be determined by SJMSCP biologist.

Dear Mr. Ruby:

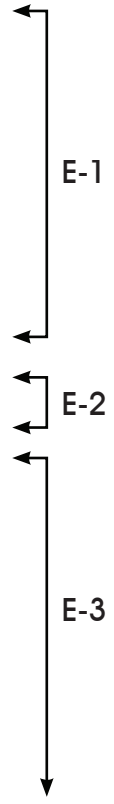
SJCOC, Inc. has reviewed the project referral for the Notice of Availability for a Draft Environmental Impact Report for the Spreckels Distribution Center Project. This project consists of the construction of a 289,449 square foot warehouse and office building with 46 truck dock doors, 184 parking automobile spaces (97 standard parking spaces, 4 accessible parking spaces, 4 van accessible parking spaces, 79 electric vehicle capable parking spaces), and 83 truck trailer spaces. Of the total square footage of the building, the project would allocate 279,449 square feet for warehousing/distribution and 10,000 square feet for office uses. The project site is located north of State Route 120 Highway and west of State Route 99 Highway, Manteca (APN: 221-250-35).

The City of Manteca is a signatory to San Joaquin County Multi-Species Habitat Conservation and Open Space Plan (SJMSCP). Participation in the SJMSCP satisfies requirements of both the state and federal endangered species acts, and ensures that the impacts are mitigated below a level of significance in compliance with the California Environmental Quality Act (CEQA). The LOCAL JURISDICTION retains responsibility for ensuring that the appropriate Incidental Take Minimization Measure are properly implemented and monitored and that appropriate fees are paid in compliance with the SJMSCP. Although participation in the SJMSCP is voluntary, Local Jurisdiction/Lead Agencies should be aware that if project applicants choose against participating in the SJMSCP, they will be required to provide alternative mitigation in an amount and kind equal to that provided in the SJMSCP.

***This Project is subject to the SJMSCP.*** This can be up to a 30 day process and it is recommended that the project applicant contact SJMSCP staff as early as possible. It is also recommended that the project applicant obtain an information package. <http://www.sjcog.org>

Please contact SJMSCP staff regarding completing the following steps to satisfy SJMSCP requirements:

- Schedule a SJMSCP Biologist to perform a pre-construction survey **prior to any ground disturbance**
- SJMSCP Incidental take Minimization Measures and mitigation requirement:
  1. Incidental Take Minimization Measures (ITMMs) will be issued to the project and must be signed by the project applicant prior to any ground disturbance but no later than six (6) months from receipt of the ITMMs. If ITMMs are not signed within six months, the applicant must reapply for SJMSCP Coverage. Upon receipt of signed ITMMs from project applicant, SJCOC, Inc. staff will sign the ITMMs. This is the effective date of the ITMMs.
  2. Under no circumstance shall ground disturbance occur without compliance and satisfaction of the ITMMs.
  3. Upon issuance of fully executed ITMMs and prior to any ground disturbance, the project applicant must:
    - a. Post a bond for payment of the applicable SJMSCP fee covering the entirety of the project acreage being covered (the bond should be valid for no longer than a 6 month period); or
    - b. Pay the appropriate SJMSCP fee for the entirety of the project acreage being covered; or
    - c. Dedicate land in-lieu of fees, either as conservation easements or fee title; or
    - d. Purchase approved mitigation bank credits.
  4. Within 6 months from the effective date of the ITMMs or issuance of a building permit, whichever occurs first, the project applicant must:





COMMENT LETTER E

2 | SJCOG, Inc.

- a. Pay the appropriate SJMSCP for the entirety of the project acreage being covered; or
- b. Dedicate land in-lieu of fees, either as conservation easements or fee title; or
- c. Purchase approved mitigation bank credits.

Failure to satisfy the obligations of the mitigation fee shall subject the bond to be called.

- Receive your Certificate of Payment and release the required permit

*It should be noted that if this project has any potential impacts to waters of the United States [pursuant to Section 404 Clean Water Act], it would require the project to seek voluntary coverage through the unmapped process under the SJMSCP which could take up to 90 days. It may be prudent to obtain a preliminary wetlands map from a qualified consultant. If waters of the United States are confirmed on the project site, the Corps and the Regional Water Quality Control Board (RWQCB) would have regulatory authority over those mapped areas [pursuant to Section 404 and 401 of the Clean Water Act respectively] and permits would be required from each of these resource agencies prior to grading the project site.*

If you have any questions, please call (209) 235-0574.

E-3  
(CONT.)





COMMENT LETTER E

3 | S J C O G , I n c .



S J C O G , I n c .

*San Joaquin County Multi-Species Habitat Conservation & Open Space Plan*

555 East Weber Avenue • Stockton, CA 95202 • (209) 235-0574 • Email: [boyd@sjcog.org](mailto:boyd@sjcog.org)

**SJMSCP HOLD**

TO: Local Jurisdiction: Community Development Department, Planning Department, Building Department, Engineering Department, Survey Department, Transportation Department, Other:

FROM: Laurel Boyd, SJCOG, Inc.

**DO NOT AUTHORIZE SITE DISTURBANCE  
DO NOT ISSUE A BUILDING PERMIT  
DO NOT ISSUE \_\_\_\_\_ FOR THIS PROJECT**

The landowner/developer for this site has requested coverage pursuant to the San Joaquin County Multi-Species Habitat Conservation and Open Space Plan (SJMSCP). In accordance with that agreement, the Applicant has agreed to:

- 1) SJMSCP Incidental Take Minimization Measures and mitigation requirement:
    1. Incidental Take Minimization Measures (ITMMs) will be issued to the project and must be signed by the project applicant prior to any ground disturbance but no later than six (6) months from receipt of the ITMMs. If ITMMs are not signed within six months, the applicant must reapply for SJMSCP Coverage. Upon receipt of signed ITMMs from project applicant, SJCOG, Inc. staff will sign the ITMMs. This is the effective date of the ITMMs.
    2. Under no circumstance shall ground disturbance occur without compliance and satisfaction of the ITMMs.
    3. Upon issuance of fully executed ITMMs and prior to any ground disturbance, the project applicant must:
      - a. Post a bond for payment of the applicable SJMSCP fee covering the entirety of the project acreage being covered (the bond should be valid for no longer than a 6 month period); or
      - b. Pay the appropriate SJMSCP fee for the entirety of the project acreage being covered; or
      - c. Dedicate land in-lieu of fees, either as conservation easements or fee title; or
      - d. Purchase approved mitigation bank credits.
    4. Within 6 months from the effective date of the ITMMs or issuance of a building permit, whichever occurs first, the project applicant must:
      - a. Pay the appropriate SJMSCP for the entirety of the project acreage being covered; or
      - b. Dedicate land in-lieu of fees, either as conservation easements or fee title; or
      - c. Purchase approved mitigation bank credits.
- Failure to satisfy the obligations of the mitigation fee shall subject the bond to be called.

Project Title: NOA of DEIR for the Spreckels Distribution Center Project

Assessor Parcel #s: 221-250-35

T \_\_\_\_\_, R \_\_\_\_\_, Section(s): \_\_\_\_\_

Local Jurisdiction Contact: David Ruby

**The LOCAL JURISDICTION retains responsibility for ensuring that the appropriate Incidental Take Minimization Measures are properly implemented and monitored and that appropriate fees are paid in compliance with the SJMSCP.**

E-X  
(CONT.)

E-X  
(CONT.)

E-X

E-X



**Responses to Comment E**

**San Joaquin Council of Governments, dated June 24, 2025**

- E-1 This comment serves as an introductory comment stating that the San Joaquin Council of Governments (SJCOG) acknowledges the City of Manteca as a signatory to San Joaquin County Multi-Species Habitat Conservation and Open Space Plan (SJMSCP). The commenter provides an accurate summary of the proposed Project. This comment does not raise any issues concerning the environmental analysis provided in the Draft EIR and thus no further response is required.
- E-2 The commenter states that the Project is subject to the SJMSCP and recommends the Project Applicant contact SJMSCP staff early, as the process can take up to 30 days. The commenter also recommends the Project Applicant obtain an information package. The Project Applicant acknowledges that the Project is subject to the SJMSCP and contacted SJMSCP staff to comply with the SJMSCP requirements. The fully executed copy of the SJMSCP Incidental Take Minimization Measures (ITMM) and Certificate of Payment was obtained on April 21, 2025 and are provided in *Attachment B* of this Final EIR. These measures will be implemented through a condition on approval on the Project. Specifically, the Project Applicant is responsible for contacting all responsible and commenting agencies and ensuring compliance with any applicable fees and/or rules, including but not limited to San Joaquin County Multi-Species Habitat Conservation & Open Space Plan.
- E-3 The commenter provides guidance to satisfy the SJMSCP requirements and recommends contacting SJMSCP staff upon fulfillment of the requirements. The Project Applicant acknowledges the steps required including pre-construction survey, ITMM, and certification of payment. The Project complied with these steps and received a fully executed copy of the SJMSCP ITMM and Certificate of Payment on April 21, 2025 (*Attachment B* of this Final EIR).



**COMMENT LETTER F**



July 23, 2025

David Ruby  
City of Manteca  
Development Services Department  
1215 W. Center Street, Suite 201  
Manteca, CA 95337

**Project: Draft Environmental Impact Report for the Spreckels Distribution Center (SCH#2021050017)**

**District CEQA Reference No: 20250682**

Dear Mr. Ruby:

The San Joaquin Valley Air Pollution Control District (District) has reviewed the Draft Environmental Impact Report (DEIR) from the City of Manteca (City) for the project mentioned above. Per the DEIR, the project consists of a 289,449 square foot warehouse and office warehouse /distribution building with 46 truck dock doors, 180 standard parking spaces, 6 accessible parking spaces, and 63 truck trailer spaces (Project). The Project is located at 407 Spreckels Avenue in Manteca, CA (APN: 221-250-350).

F-1

The District offers the following comments at this time regarding the Project:

**1) Project Related Emissions**

At the federal level under the National Ambient Air Quality Standards (NAAQS), the District is designated as extreme nonattainment for the 8-hour ozone standards and serious nonattainment for the particulate matter less than 2.5 microns in size (PM2.5) standards. At the state level under California Ambient Air Quality Standards (CAAQS), the District is designated as nonattainment for the 8-hour ozone, PM10, and PM2.5 standards.

F-2

Based on information provided to the District, Project specific annual criteria pollutant emissions from construction and operation are not expected to exceed any of the significance thresholds as identified in the District's Guidance for Assessing and Mitigating Air Quality Impacts (GAMAQI): <https://ww2.valleyair.org/media/g4nl3p0q/gamaqi.pdf>.

**Samir Sheikh**  
Executive Director/Air Pollution Control Officer

**Northern Region**  
4800 Enterprise Way  
Modesto, CA 95356-8718  
Tel: (209) 557-6400 FAX: (209) 557-6475

**Central Region (Main Office)**  
1990 E. Gettysburg Avenue  
Fresno, CA 93726-0244  
Tel: (559) 230-8000 FAX: (559) 230-8061

**Southern Region**  
34946 Flyover Court  
Bakersfield, CA 93308-9725  
Tel: (661) 392-5500 FAX: (661) 392-5685

[www.valleyair.org](http://www.valleyair.org) [www.healthyairliving.com](http://www.healthyairliving.com)

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**COMMENT LETTER F**

**1a) Construction Emissions**

The District recommends, to reduce impacts from construction-related diesel exhaust emissions, the Project should utilize the cleanest available off-road construction equipment.

F-3

**2) Health Risk Screening/Assessment**

Based on the DEIR, specifically on page 4.1-32, states that with implementation of mitigation measures (MM) 4.1-1 through MM 4.1-3 the Project would result in a less than significant health risk impact. Per the Project, there are single family residential homes adjacent to the Project location. The California Air Resources Board, in their "Air Quality and Land Use Handbook: A Community Health Perspective", recommends to avoid siting distribution centers (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) within 1,000 feet of a sensitive (residential) land use.

F-4

The Projects Health Risk Assessment (HRA) did not use the District's default exposure durations from Districts APR 1906 (Framework for Performing Health Risk Assessment), including cancer risk thresholds which are based upon a 70 year residential exposure period and a 40 year worker exposure period. The Project evaluated residential cancer risk over a 30 year period and worker risk over a 25 year period. The District recommends the HRA be revised to include the Districts default exposure durations per APR1906.

F-5

Also, the District was unable to validate many of the diesel particulate matter emission rates used in the model. Based upon the District's interpretation of the data, the combined cancer risk from construction and operation may exceed twenty in a million, and would therefore be significant.

F-6

Modifications to the HRA based on the deficiencies mentioned above have the potential to cause the Project to exceed District cancer health risk thresholds of 20 in one million. Therefore, the District recommends revising the HRA to ensure the analysis is representative and adequately reflects the Project's potential air quality impacts.

F-7

**3) Industrial/Warehouse Emission Reduction Strategies**

The District recommends the City incorporate emission reduction strategies that can reduce potential harmful health impacts, such as those listed below:

- Require HHD truck routing patterns that limit exposure of residential communities and sensitive receptors to emissions (see comment 4)
- Require cleanest available heavy-duty trucks and off-road equipment (see

F-8  
F-9



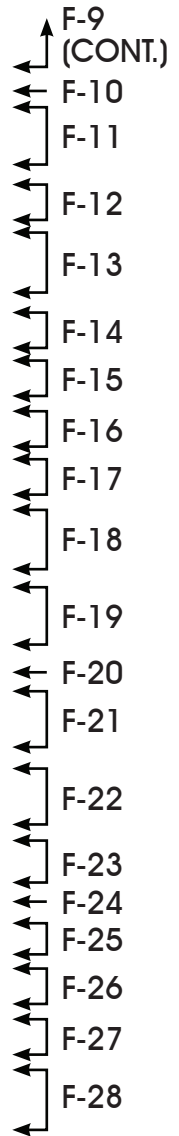
**COMMENT LETTER F**

*San Joaquin Valley Air Pollution Control District  
District Reference No: 20250682  
July 23, 2025*

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comments 5 and 7)

- Require minimization of heavy-duty truck idling (see comment 6)
- Require solid screen buffering trees, solid decorative walls, and/or other natural ground landscaping techniques are implemented along the property line of adjacent sensitive receptors
- Orient loading docks away from sensitive receptors unless physically impossible
- Require loading docks a minimum of 500 feet away from the property line of the nearest truck loading bay opening, unless dock is exclusively used for electric trucks
- Incorporate signage and "pavement markings" to clearly identify on-site circulation patterns to minimize unnecessary on-site vehicle travel
- Require truck entries be located on streets of a higher commercial classification
- Locate and require truck entry, exit, and internal circulation away from sensitive receptors
- Prohibit Heavy-Duty diesel truck drive aisles from being used on sides of the building that are directly adjacent to a sensitive receptor property line
- Require a separate entrance for heavy-duty trucks accessible via a truck route, arterial road, major thoroughfare, or a local road that predominantly serves commercial oriented uses
- Require projects be designed to provide the necessary infrastructure to support use of zero-emissions on-road vehicles and off-road equipment (see comment 10)
- Require all building roofs are solar-ready
- Require all portions of roof tops that are not covered with solar panels are constructed to have light colored roofing material with a solar reflective index of greater than 78
- Ensure rooftop solar panels are installed and operated to supply 100% of the power needed to operate all non-refrigerated portions of the development project
- Install solar photovoltaic systems and associated battery storage on the project site
- Incorporate bicycle racks and electric bike plug-ins
- Require the use of low volatile organic compounds (VOC) architectural and industrial maintenance coatings
- Designate an area during construction to charge electric powered construction vehicles and equipment, if temporary power is available
- Prohibit the use of non-emergency diesel-powered generators during construction
- Inform the project proponent of the incentive programs (e.g., Carl Moyer Program and Voucher Incentive Program) offered to reduce air emissions from the Project



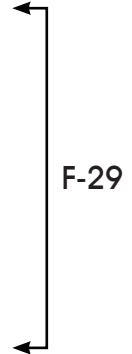


**COMMENT LETTER F**

**4) Truck Routing**

Truck routing involves the assessment of which roads Heavy Heavy-Duty (HHD) trucks take to and from their destination, and the emissions impact that the HHD trucks may have on residential communities and sensitive receptors. Since the Project consists of a warehouse/distribution building, the Project is expected to generate HHD truck trips

The District recommends the City evaluate HHD truck routing patterns for the Project, with the aim of limiting exposure of residential communities and sensitive receptors to emissions. This evaluation would consider the current truck routes, the quantity and type of each truck (e.g., Medium Heavy-Duty, HHD, etc.), the destination and origin of each trip, traffic volume correlation with the time of day or the day of the week, overall Vehicle Miles Traveled (VMT), and associated exhaust emissions. The truck routing evaluation would also identify alternative truck routes and their impacts on VMT and air quality.



**5) Cleanest Available Heavy-Duty Trucks**

The San Joaquin Valley will not be able to attain stringent health-based federal air quality standards without significant reductions in emissions from HHD trucks, the single largest source of NOx emissions in the San Joaquin Valley. Accordingly, to meet federal air quality attainment standards, the District's ozone and particulate matter attainment plans rely on a significant and rapid transition of HHD fleets to zero or near-zero emissions technologies.

The Project consists of a warehouse/distribution building, the Project is expected to generate HHD truck trips. Although the Project is not expected to exceed District significance thresholds, the District recommends that the following measures be considered by the City to reduce Project-related operational emissions:

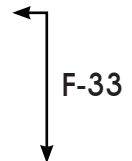
- *Recommended Measure:* Fleets associated with operational activities utilize the cleanest available HHD trucks, including zero and near-zero technologies.
- *Recommended Measure:* All on-site service equipment (cargo handling, yard hostlers, forklifts, pallet jacks, etc.) utilize zero-emissions technologies.



**6) Reduce Idling of Heavy-Duty Trucks**

The goal of this strategy is to limit the potential for localized PM2.5 and toxic air contaminant impacts associated with the idling of Heavy-Duty trucks. The diesel exhaust from idling has the potential to impose significant adverse health and environmental impacts.

Since the Project is expected to result in HHD truck trips, the District recommends the DEIR include measures to ensure compliance of the state anti-idling regulation





**COMMENT LETTER F**

(13 CCR § 2485 and 13 CCR § 2480) and discuss the importance of limiting the amount of idling, especially near sensitive receptors. In addition, the District recommends the City consider the feasibility of implementing a more stringent 3-minute idling restriction and requiring appropriate signage and enforcement of idling restrictions.

F-33  
(CONT.)

**7) Electric On-Site Off-Road and On-Road Equipment**

Since the development project includes industrial uses, the Project may have the potential to result in increased use of off-road equipment (e.g., forklifts) and on-road equipment (e.g., mobile yard trucks with the ability to move materials). The District recommends that the DEIR include requirements for project proponents to utilize electric or zero emission off-road and on-road equipment.

F-34

**8) Vegetative Barriers and Urban Greening**

There are single family residential units located west and north of the Project. The District suggests the City consider the feasibility of incorporating vegetative barriers and urban greening as a measure to further reduce air pollution exposure on sensitive receptors (e.g., residential units).

While various emission control techniques and programs exist to reduce air quality emissions from mobile and stationary sources, vegetative barriers have been shown to be an additional measure to potentially reduce a population's exposure to air pollution through the interception of airborne particles and the uptake of gaseous pollutants. Examples of vegetative barriers include, but are not limited to the following: trees, bushes, shrubs, or a mix of these. Generally, a higher and thicker vegetative barrier with full coverage will result in greater reductions in downwind pollutant concentrations. In the same manner, urban greening is also a way to help improve air quality and public health in addition to enhancing the overall beautification of a community with drought tolerant, low-maintenance greenery.

F-35

**9) On-Site Solar Deployment**

It is the policy of the State of California that renewable energy resources and zero-carbon resources supply 100% of retail sales of electricity to California end-use customers by December 31, 2045. While various emission control techniques and programs exist to reduce air quality emissions from mobile and stationary sources, the production of solar energy is contributing to improving air quality and public health. The District suggests that the City consider incorporating solar power systems as an emission reduction strategy for the Project.

F-36





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July 23, 2025*

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**10) Electric Infrastructure**

The District recommends that the City require all nonresidential buildings be designed to provide electric infrastructure to support the use of on-road zero emissions vehicles, such as Medium-Heavy Duty trucks and HHD trucks associated with a warehouse project.

F-37

**11) District Rules and Regulations**

The District issues permits for many types of air pollution sources, and regulates some activities that do not require permits. A project subject to District rules and regulations would reduce its impacts on air quality through compliance with the District's regulatory framework. In general, a regulation is a collection of individual rules, each of which deals with a specific topic. As an example, Regulation II (Permits) includes District Rule 2010 (Permits Required), Rule 2201 (New and Modified Stationary Source Review), Rule 2520 (Federally Mandated Operating Permits), and several other rules pertaining to District permitting requirements and processes.

F-38

The list of rules below is neither exhaustive nor exclusive. Current District rules can be found online at: <https://ww2.valleyair.org/rules-and-planning/current-district-rules-and-regulations>. To identify other District rules or regulations that apply to future projects, or to obtain information about District permit requirements, the project proponents are strongly encouraged to contact the District's Small Business Assistance (SBA) Office at (209) 557-6446.

**11a) District Rules 2010 and 2201 - Air Quality Permitting for Stationary Sources**

Stationary Source emissions include any building, structure, facility, or installation which emits or may emit any affected pollutant directly or as a fugitive emission. District Rule 2010 (Permits Required) requires operators of emission sources to obtain an Authority to Construct (ATC) and Permit to Operate (PTO) from the District. District Rule 2201 (New and Modified Stationary Source Review) requires that new and modified stationary sources of emissions mitigate their emissions using Best Available Control Technology (BACT).

F-39

This Project may be subject to District Rule 2010 (Permits Required) and Rule 2201 (New and Modified Stationary Source Review) and may require District permits. Prior to construction, the Project proponent should submit to the District an application for an ATC. For further information or assistance, the project proponent may contact the District's SBA Office at (209) 557-6446.



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*San Joaquin Valley Air Pollution Control District  
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**11b) District Rule 9510 - Indirect Source Review (ISR)**

The Project is subject to District Rule 9510 because it will receive a project-level discretionary approval from a public agency and will equal or exceed 25,000 square feet of industrial space.

The purpose of District Rule 9510 is to reduce the growth in both NOx and PM emissions associated with development and transportation projects from mobile and area sources; specifically, the emissions associated with the construction and subsequent operation of development projects. The ISR Rule requires developers to mitigate their NOx and PM emissions by incorporating clean air design elements into their projects. Should the proposed development project clean air design elements be insufficient to meet the required emission reductions, developers must pay a fee that ultimately funds incentive projects to achieve off-site emissions reductions.

Per Section 5.0 of the ISR Rule, an Air Impact Assessment (AIA) application is required to be submitted no later than applying for project-level approval from a public agency. As of the date of this letter, the District has not received an AIA application for this Project. Please inform the project proponent to immediately submit an AIA application to the District to comply with District Rule 9510 so that proper mitigation and clean air design under ISR can be incorporated into the Project's design.

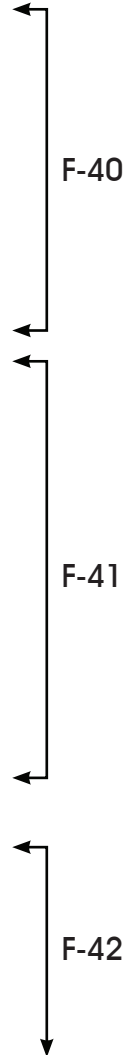
Information about how to comply with District Rule 9510 can be found online at: <https://ww2.valleyair.org/permitting/indirect-source-review-rule-overview>

The AIA application form can be found online at: <https://ww2.valleyair.org/permitting/indirect-source-review-rule-overview/forms-and-applications/>

District staff is available to provide assistance and can be reached by phone at (559) 230-5900 or by email at [ISR@valleyair.org](mailto:ISR@valleyair.org).

**11c) District Rule 9410 (Employer Based Trip Reduction)**

The Project may be subject to District Rule 9410 (Employer Based Trip Reduction) if the project would result in employment of 100 or more "eligible" employees. District Rule 9410 requires employers with 100 or more "eligible" employees at a worksite to establish an Employer Trip Reduction Implementation Plan (eTRIP) that encourages employees to reduce single-occupancy vehicle trips, thus reducing pollutant emissions associated with work commutes. Under an eTRIP plan, employers have the flexibility to select the options that work best for their worksites and their employees.





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Information about District Rule 9410 can be found online at:  
<https://ww2.valleyair.org/compliance/rule-9410-employer-based-trip-reduction/>.

F-42  
(CONT.)

For additional information, you can contact the District by phone at 559-230-6000 or by e-mail at [etrip@valleyair.org](mailto:etrip@valleyair.org)

**11d) District Rule 4601 (Architectural Coatings)**

The Project may be subject to District Rule 4601 since it may utilize architectural coatings. Architectural coatings are paints, varnishes, sealers, or stains that are applied to structures, portable buildings, pavements or curbs. The purpose of this rule is to limit VOC emissions from architectural coatings. In addition, this rule specifies architectural coatings storage, cleanup and labeling requirements. Additional information on how to comply with District Rule 4601 requirements can be found online at:  
<https://ww2.valleyair.org/media/tkgjeusd/rule-4601.pdf>

F-43

**11e) District Regulation VIII (Fugitive PM10 Prohibitions)**

The project proponent may be required to submit a Construction Notification Form or submit and receive approval of a Dust Control Plan prior to commencing any earthmoving activities as described in Regulation VIII, specifically Rule 8021 – *Construction, Demolition, Excavation, Extraction, and Other Earthmoving Activities*.

Should the project result in at least 1-acre in size, the project proponent shall provide written notification to the District at least 48 hours prior to the project proponents intent to commence any earthmoving activities pursuant to District Rule 8021 (Construction, Demolition, Excavation, Extraction, and Other Earthmoving Activities). Also, should the project result in the disturbance of 5-acres or more, or will include moving, depositing, or relocating more than 2,500 cubic yards per day of bulk materials, the project proponent shall submit to the District a Dust Control Plan pursuant to District Rule 8021 (Construction, Demolition, Excavation, Extraction, and Other Earthmoving Activities). For additional information regarding the written notification or Dust Control Plan requirements, please contact District Compliance staff at (559) 230-5950.

F-44

The application for both the Construction Notification and Dust Control Plan can be found online at: <https://ww2.valleyair.org/media/fm3jrbsq/dcp-form.docx>

Information about District Regulation VIII can be found online at:  
<https://ww2.valleyair.org/dustcontrol>



**COMMENT LETTER F**

*San Joaquin Valley Air Pollution Control District  
District Reference No: 20250682  
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**11f) Other District Rules and Regulations**

The Project may also be subject to the following District rules: Rule 4102 (Nuisance) and Rule 4641 (Cutback, Slow Cure, and Emulsified Asphalt, Paving and Maintenance Operations).

F-45

**12) District Comment Letter**

The District recommends that a copy of the District's comments be provided to the Project proponent.

If you have any questions or require further information, please contact Harout Sagherian by e-mail at [Harout.Sagherian@valleyair.org](mailto:Harout.Sagherian@valleyair.org) or by phone at (559) 230-5860.

F-46

Sincerely,

Mark Montelongo  
Director of Policy and Government Affairs

Daniel Martinez  
Program Manager



**Responses to Comment F**

**San Joaquin Valley Air Pollution Control District, dated July 23, 2025**

- F-1 The commenter provides introductory remarks and details of the Project description. Comments are provided in the body of the comment letter. Refer to responses F-2 to F-46 for a detailed response to each comment.
- F-2 The commenter provides general information related to the San Joaquin Valley Air Pollution Control District's (SJVAPCD) federal and State nonstianment standards and reiterates the Draft EIR's conclusion under Section 4.1, *Air Quality* that the Project's construction and operational activities would not exceed any of the significance thresholds identified in the SJVAPCD's Guidance for Assessing and Mitigating Air Quality Impacts. This comment does not raise any issues concerning the environmental analysis provided in the Draft EIR and thus no further response is required.
- F-3 The commenter recommends that the cleanest available off-road construction equipment be used during the Project's construction. As discussed in Section 4.1, *Air Quality*, of the Draft EIR, Project-related activities would not exceed the applicable SJVAPCD thresholds of significance during construction. Additionally, TAC emissions generated as a result of Project construction activities would not exceed SJVAPCD cancer or non-cancer health risk thresholds; thus, impacts are less than significant (Refer to Pages 4.1-23 to 4.1-24 and 4.1-26 of the Draft EIR). Therefore, no additional mitigation measures are required.
- F-4 The commenter states that the Project's location is adjacent to single-family residential homes and recommends avoiding siting distribution centers (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) within 1,000 feet of sensitive (residential) land use. As shown on Figure 4.1-1 of the Draft EIR, the Project is located within 1,000 feet of sensitive receptors and has the potential to result in 217 average truck trips per day (*Technical Appendix K*, Table 1a of the Draft EIR). However, as discussed in Section 4.1, *Air Quality*, of the Draft EIR, with implementation of Mitigation Measures MM 4.1-1 through MM 4.1-3, the Project's operational TAC emissions would not exceed SJVAPCD cancer risk significance thresholds; thus, the Project's operational TAC emissions would result in a less than significant health risk impact with mitigation incorporated (Refer to Page 4.1-31 to 4.1-32 of the Draft EIR).
- F-5 The commenter states the Project's Health Risk Assessment (HRA) did not use the SJVAPD's default exposure durations from SJVAPD APR 1906. The commenter recommends the HRA be revised to include the SJVAPD's default exposure durations per APR1906. Pursuant to the commenter's request, the Project's HRA has been revised to utilize a 70-year residential exposure duration and 40-year worker exposure duration (refer to *Attachment A* to this Final EIR). Result of the Updated HRA showed that with the implementation of Mitigation Measures MM 4.1-1 through MM 4.1-3, Project's operational TAC emissions would not exceed SJVAPCD cancer risk significance thresholds of 20 in one million; thus, the Project's operational TAC emissions would result in a less than significant health risk impact with mitigation incorporated.



- F-6 The commenter states that SJVAPD could not understand many of the diesel particulate matter emission rates used in the technical model. The commenter's interpretation of the combined construction and operational cancer risk data suggests there is an exceedance of twenty in a million, resulting in significant health risk impacts due to the Project. The commenter is correct that the combined construction and operational cancer risk would exceed SJVAPD before implementation of mitigation measures. With incorporation of Mitigation Measures 4.1-1 to 4.1-3, impacts would be less than significant (see below and Response to Comment F-8).

The diesel particulate matter rates for trucks were obtained from CARB's EMFAC 2021 model, and are based on PM<sub>10</sub> emissions for LHDT<sub>1</sub>, LHDT<sub>2</sub>, MHDT, and HHDT diesel trucks traveling at 5 mph (on-site) and 25 mph (off-site). Detailed emission calculations and EMFAC outputs are provided in Appendix 2.2 of the HRA report (*Attachment A* to this Final EIR). Construction diesel particulate matter emissions were obtained from PM<sub>10</sub> exhaust emissions calculated by CalEEMod and detailed CalEEMod construction outputs are provided in Appendix 2.1 of the HRA report (*Attachment A* of this Final EIR).

The land use with the greatest potential exposure to Project construction and operational diesel particulate matter source emissions is Location R4. At the maximally exposed individual receptor, the maximum incremental cancer risk attributable to Project construction and operational DPM source emissions is estimated at 33.15 in one million without mitigation, which would exceed the SJVAPCD threshold of 20 in one million. With mitigation, the combined construction and operational cancer risk is reduced to 12.16 in one million, which would not exceed the SJVAPCD threshold of 20 in one million (refer to Page 26 of *Attachment A* of this Final EIR).

- F-7 The commenter reiterates that modification to the Project's exposure duration could result in the Project's exceedance of the SJVAPD's cancer risk threshold. The commenter recommends revising the HRA to ensure the analysis is representative and adequately reflects the Project's potential air quality impacts. As discussed previously in the Response to Comment F-5, the HRA has been revised to account for a 70 year residential exposure duration and a 40 year worker exposure duration. With the implementation of Mitigation Measures MM 4.1-1 through MM 4.1-3, Project's operational TAC emissions would continue to not exceed SJVAPCD cancer risk significance thresholds; thus, the Project's operational TAC emissions would result in a less than significant health risk impact with mitigation incorporated.

- F-8 The commenter recommends the City incorporate emission reduction strategies that can reduce potential harmful health impacts and recommends requiring HHD truck routing patterns that limit exposure of residential communities and sensitive receptors to emissions. As discussed in Section 4.9, *Land Use and Planning*, of the Draft EIR, the Project's trucks would travel on Spreckels Avenue, Yosemite Avenue and South Main Street, which are designated Surface Transportation Assistance Act (STAA) truck routes to access State Route 99 (SR-99) and SR-120. Moreover, as discussed in Section 4.1, *Air Quality*, of the Draft EIR, with implementation of Mitigation Measures MM 4.1-1 through MM 4.1-3, the Project's operational TAC emissions would not exceed SJVAPCD cancer risk significance thresholds of 20 in one million; thus, the Project's operational TAC emissions would result in a less than significant health risk impact with mitigation incorporated (Refer to Page 4.1-31 to 4.1-32 of the Draft EIR).



- F-9 The commenter encourages use of the cleanest available heavy-duty trucks and off-road equipment. As discussed in Section 4.1, *Air Quality*, of the Draft EIR, with implementation of Mitigation Measures MM 4.1-1 through MM 4.1-3, the Project's operational TAC emissions would not exceed SJVAPCD cancer risk significance thresholds; thus, the Project's operational TAC emissions would result in a less than significant health risk impact with mitigation incorporated (Refer to Page 4.1-31 to 4.1-32 of the Draft EIR). Additionally, the Project will be required to comply with District Rule 9510 - Indirect Source Review to further reduce NOx and PM emissions (Refer to Page 4.1-15 of the Draft EIR).
- F-10 The commenter recommends minimization of heavy-duty truck idling. As discussed in Section 4.1, *Air Quality*, of the Draft EIR, Mitigation Measure MM 4.1-3 would require the placement of legible, durable, weather-proof signs at truck access gates, loading docks, and truck parking areas that identify applicable CARB anti-idling regulations, which would restrict idling to no more than three (3) minutes. Therefore, no additional mitigation measures are required.
- F-11 The commenter suggests using solid screen buffering trees, solid decorative walls, and/or other natural ground landscaping techniques are implemented along the property line of adjacent sensitive receptors. As shown in Figure 3-7, *Landscaping Plan*, of the Draft EIR, dense evergreen screen trees and shrubs are proposed in landscape buffer along the Project's western boundary adjacent to the residential area. Therefore, no additional mitigation measures are required.
- F-12 The commenter recommends orienting loading docks away from sensitive receptors unless physically impossible. As shown in Figure 3-4, *Proposed Site Plan*, of the Draft EIR, the loading dock will be located at the southern side of the proposed building and not adjacent to the residential uses to the west. Thus, no further response is required.
- F-13 The commenter requests loading docks to be a minimum of 500 feet away from the property line of the nearest truck loading bay opening, unless dock is exclusively used for electric trucks. As shown in Figure 3-4, *Proposed Site Plan*, of the Draft EIR, the first dock door is located approximately 319'-2" from the western boundary of the Project site. Moreover, as discussed in Section 4.1, *Air Quality*, of the Draft EIR, with implementation of Mitigation Measures MM 4.1-1 through MM 4.1-3, the Project's operational TAC emissions would not exceed SJVAPCD cancer risk significance thresholds; thus, the Project's operational TAC emissions would result in a less than significant health risk impact with mitigation incorporated (Refer to Page 4.1-31 to 4.1-32 of the Draft EIR). Therefore, no additional mitigation measures are required.
- F-14 The commenter encourages incorporating signage and "pavement markings" to clearly identify on-site circulation patterns to minimize unnecessary on-site vehicle travel. The Project will include signage and pavement markings as necessary to identify onsite circulation patterns. As a condition of approval, the Project applicant must submit a Master Sign Program. A sign plan would be reviewed by the City's Planning Department prior to issuance of a Building Permit.
- F-15 The commenter suggests truck entries be located on streets of a higher commercial classification. As shown in Figure 3-4, *Proposed Site Plan*, of the Draft EIR, the Project's truck entries are located along Speckles Avenue adjacent to existing commercial/industrial uses. As discussed in Section 4.11, *Transportation*, of the Draft EIR, Spreckels Avenue/Industrial Park





- Drive is a north-south arterial and a designated Surface Transportation Assistance Act (STAA) route that extends from Yosemite Avenue to South Main Street.
- F-16 The commenter recommends locating truck entry, exit, and internal circulation away from sensitive receptors. Refer to Response to F-15 above regarding the location of Project truck access. Thus, no further response is required.
- F-17 The commenter requests prohibiting Heavy-Duty diesel truck drive aisles from being used on sides of the building that are directly adjacent to a sensitive receptor property line. As shown in Figure 3-4, *Proposed Site Plan*, of the Draft EIR, the loading docks will be located at the southern side of the proposed building and not adjacent to the residential uses to the west. Thus, no further response is required.
- F-18 The commenter suggests a separate entrance for heavy-duty trucks accessible via a truck route, arterial road, major thoroughfare, or a local road that predominantly serves commercial oriented uses. Refer to Response to F-15 above regarding the location of Project truck access along a designated STAA route. Both automobiles and trucks will access the proposed building via two driveways off of Spreckels Avenue. However, automobile parking is located in a separate lot to the east of the building and would not conflict with truck parking. Thus, no further response is required.
- F-19 The commenter encourages the Project be designed to provide the necessary infrastructure to support use of zero-emissions on-road vehicles and off-road equipment. As discussed in Section 3.0, *Project Description*, of the Draft EIR, the Project will include 79 stalls that are designed as electric vehicle capable (Refer to Page 3-2 of the Draft EIR). Moreover, Mitigation Measure MM 4.1-2 would require the installation of electrical hookups to facilitate plug-in capabilities and support use of electric standby and/or hybrid electric TRUs and Mitigation Measure MM 4.6-1 would require all on-site outdoor cargo handling equipment (including yard trucks, hostlers, yard goats, pallet jacks, forklifts, and other on-site equipment) to be powered by electricity, compressed natural gas, or gasoline and all indoor cargo handling equipment to be powered by electricity (Refer to pages 4.6-28 through 4.6-30 of the Draft EIR).
- F-20 The commenter recommends that all building roofs are solar-ready. As discussed in Section 4.9, *Land Use and Planning*, of the Draft EIR, the Project building would be designed and built to meet the standard for LEED Silver Certification, or above, which incorporates energy efficiency features and solar would be installed at the Project building. The Project Applicant will install solar ready roofs, and the solar panels will be installed when the tenant is identified to meet LEED Silver Certification. Therefore, no additional mitigation measures are required.
- F-21 The commenter suggests all portions of roof tops that are not covered with solar panels are constructed to have light colored roofing material with a solar reflective index of greater than 78. Roof tops of the proposed building will be constructed to have light colored roofing material with a solar reflective index of greater than 78.
- F-22 The commenter recommends ensuring rooftop solar panels are installed and operated to supply 100% of the power needed to operate all non-refrigerated portions of the Project. Refer to Response to Comment F-20 regarding the Project's energy efficiency features. Thus, no further response is required.



- F-23 The commenter encourages installing solar photovoltaic systems and associated battery storage on the Project site. Refer to Response to Comment F-20 regarding the Project's energy efficiency features. Thus, no further response is required.
- F-24 The commenter suggests incorporating bicycle racks and electric bike plug-ins. As discussed in Section 3.0, *Project Description*, of the Draft EIR, the Project would install 12 short-term and 12 long-term bike parking spaces (Refer to Page 3-2 of the Draft EIR). Therefore, no additional mitigation measures are required.
- F-25 The commenter encourages the use of low volatile organic compounds (VOC) architectural and industrial maintenance coatings. The Project will use low VOC architectural and industrial maintenance coatings as part of LEED certification. As shown in Tables 4.1-5 through 4.1-9, of the Draft EIR, the Project would not exceed VOC impacts during construction or operation and impacts would be less than significant.
- F-26 The commenter recommends designating an area during construction to charge electric powered construction vehicles and equipment, if temporary power is available. At grading and building permit issuance, the contractor will specify a designated area of the construction site where electric or non-diesel vehicles, equipment, and tools can be fueled or charged. The provision of temporary electric infrastructure for such purpose shall be approved by the utility provider, Pacific Gas and Electric (PG&E).
- F-27 The commenter requests prohibiting the use of non-emergency diesel-powered generators during construction. The Project will prohibit the use of non-emergency diesel-powered generators during construction to the extent feasible.
- F-28 The commenter recommends informing the Project proponent of the incentive programs (e.g., Carl Moyer Program and Voucher Incentive Program) offered to reduce air emissions from the Project. The Project Applicant acknowledges and is informed of the incentive programs (e.g., Carl Moyer Program and Voucher Incentive Program) offered to reduce air emissions from the Project. Thus, no further response is required.
- F-29 The commenter provides a definition of truck routing, recommends the City evaluate Heavy Heavy-Duty (HHD) truck routing patterns for the Project to limit the exposure to residential communities and sensitive receptors to emissions and provides guidelines for this analysis. Refer to Response to Comment F-8 above regarding the Project's truck travel.
- F-30 The commenter informs that San Joaquin Valley will not be able to attain stringent health-based federal air quality standards without significant reductions in emissions from HHD trucks and states the reliance of transitioning HHD fleets to zero or near-zero emissions technologies. This comment does not raise any issues concerning the environmental analysis provided in the Draft EIR and thus no further response is required.
- F-31 The commenter states that although the Project is not expected to exceed emission significance thresholds, the commenter recommends incorporating a mitigation measure for fleets associated with operational activities to utilize the cleanest available HHD trucks, including zero and near-zero technologies. As discussed in Section 4.1, *Air Quality*, of the Draft EIR, with implementation of Mitigation Measures MM 4.1-1 through MM 4.1-3, the Project's



operational TAC emissions would not exceed SJVAPCD cancer risk significance thresholds; thus, the Project's operational TAC emissions would result in a less than significant health risk impact with mitigation incorporated (Refer to Page 4.1-31 to 4.1-32 of the Draft EIR). Additionally, the Project will be required to comply with District Rule 9510 - Indirect Source Review to further reduce NOx and PM emissions (Refer to Page 4.1-15 of the Draft EIR). Thus, no additional mitigation measures are required.

- F-32 The commenter recommends incorporating a mitigation measure for all on-site service equipment (cargo handling, yard hostlers, forklifts, pallet jacks, etc.) to utilize zero-emissions technologies. As discussed in Section 4.6, *Greenhouse Gas Emissions*, of the Draft EIR, Mitigation Measure MM 4.6-1 would require all on-site outdoor cargo handling equipment (including yard trucks, hostlers, yard goats, pallet jacks, forklifts, and other on-site equipment) to be powered by electricity, compressed natural gas, or gasoline and all indoor cargo handling equipment to be powered by electricity. Thus, no additional mitigation measures are required.
- F-33 The commenter requests the Draft EIR include measures to ensure compliance of the State anti-idling regulation (13 CCR § 2485 and 13 CCR § 2480) and discuss the importance of limiting the amount of idling, especially near sensitive receptors. Additionally, the commenter recommends the City consider the feasibility of implementing a more stringent 3-minute idling restriction and requiring appropriate signage and enforcement of idling restrictions. As discussed in Section 4.1, *Air Quality*, of the Draft EIR, Mitigation Measure MM 4.1-3 would require the placement of legible, durable, weather-proof signs at truck access gates, loading docks, and truck parking areas that identify applicable CARB anti-idling regulations, which would restrict idling to no more than three (3) minutes. Therefore, no additional mitigation measures are required.
- F-34 The commenter suggests incorporating a mitigation measure to utilize electric or zero emission off-road and on-road equipment. As discussed in Section 4.6, *Greenhouse Gas Emissions*, of the Draft EIR, Mitigation Measure MM 4.6-1 would require all on-site outdoor cargo handling equipment (including yard trucks, hostlers, yard goats, pallet jacks, forklifts, and other on-site equipment) to be powered by electricity, compressed natural gas, or gasoline and all indoor cargo handling equipment to be powered by electricity. Thus, no additional mitigation measures are required.
- F-35 The commenter states that single-family residential units are located west and north of the Project and suggests the City consider the feasibility of incorporating vegetative barriers and urban greening as a measure to further reduce air pollution exposure on sensitive receptors. Refer to Response to Comment F-11 above regarding the Project's landscaping plan. Thus, no further response is required.
- F-36 The commenter provides information on the current State's policy on retail sales of electricity and suggests that the City consider incorporating solar power systems as an emission reduction strategy for the Project. Refer to Response to Comment F-20 regarding the Project's energy efficiency features. Thus, no further response is required.
- F-37 The commenter recommends all nonresidential buildings be designed to provide electric infrastructure to support the use of on-road zero emissions vehicles. As discussed in Section 3.0, *Project Description*, of the Draft EIR, the Project will include 79 stalls that are designed



as electric vehicle capable (Refer to Page 3-2 of the Draft EIR). Moreover, Mitigation Measure MM 4.1-2 would require the installation of electrical hookups to facilitate plug-in capabilities and support use of electric standby and/or hybrid electric TRUs and Mitigation Measure MM 4.6-1 would require all on-site outdoor cargo handling equipment (including yard trucks, hostlers, yard goats, pallet jacks, forklifts, and other on-site equipment) to be powered by electricity, compressed natural gas, or gasoline and all indoor cargo handling equipment to be powered by electricity (Refer to pages 4.6-28 through 4.6-30 of the Draft EIR).

- F-38 The commenter provides a list of rules and regulations for Project proponents to utilize as guidance for permitting activities. As discussed in Section 4.1, *Air Quality*, of the Draft EIR, the Project will comply with all applicable District rules. Thus, no further response is required.
- F-39 The commenter informs that the Project may be subject to, and require SJVAPD permits for, District Rule 2010 (Permits Required), which requires operators of emission sources to obtain an Authority to Construct and Permit to Operate from the SJVAPD, and District Rule 2201 (New and Modified Stationary Source Review), which requires that new and stationary sources of emissions mitigate their emissions using Best Available Control Technology. The Project will comply with all applicable District rules, including Rules 2010 and 2201. Specifically, the Project Applicant is responsible for contacting all responsible and commenting agencies and ensuring compliance with any applicable fees and/or rules, including but not limited to San Joaquin Valley Air Pollution Control District.
- F-40 The commenter states that the Project is subject to District Rule 9510 (Indirect Source Rule), which requires developers to mitigate their NO<sub>x</sub> and PM emissions by incorporating clean air design elements into their projects. As discussed in Section 4.1, *Air Quality*, of the Draft EIR, the Project will comply with all applicable District rules, including Rule 9510 (Refer to Page 4.1-15 of the Draft EIR). Additionally, as shown on Tables 4.1-5 through 4.1-9, Project emissions would not exceed any criteria pollutants, including NO<sub>x</sub> and PM emissions thresholds during construction or operation.
- F-41 The commenter states that an Air Impact Assessment application is required to be submitted no later than applying for project-level approval from a public agency. The Project will be required to comply with the San Joaquin Valley Air Pollution Control District's Indirect Source Review, Rule 9510 as a condition of approval.
- F-42 The commenter states that the Project is subject to District Rule 9410 (Employer Based Trip Reduction), which requires employers with 100 or more "eligible" employees at a worksite to establish an Employer Trip Reduction Implementation Plan (eTRIP) that encourages employees to reduce single occupancy vehicle trips, thus reducing pollutant emissions associated with work commutes. As discussed in Section 3.0, *Project Description*, of the Draft EIR, the future tenants of the proposed building are unknown at this time (Refer to Page 3-2 of the Draft EIR). However, once the tenant is in place, the Project will comply with Rule 9410 as applicable.
- F-43 The commenter informs that the Project may be subject to District Rule 4601, which limits VOC emissions from architectural coatings and specifies storage, cleanup, and labeling requirements. The Project will comply with all applicable District rules, including Rule 4601. Specifically, the Project Applicant is responsible for contacting all responsible and



commenting agencies and ensuring compliance with any applicable fees and/or rules, including but not limited to San Joaquin Valley Air Pollution Control District.

- F-44 The commenter states that the Project may be required to submit a Construction Notification Form, required for projects at least 1-acre in size, or submit and receive approval of a Dust Control Plan (pursuant to District Rule 8021), required for a disturbance of 5 acres or more or projects relocating more than 2,500 cubic yards per day, prior to commencing any earthmoving activities. As discussed in Section 4.1, *Air Quality*, of the Draft EIR, the Project will comply with all applicable District rules, including Rule 8021 (Refer to Page 4.1-14 of the Draft EIR). The Project Applicant will submit a Construction Notification Form or Dust Control Plan prior to commencing any earthmoving activities as necessary.
- F-45 The commenter informs that the Project may be subject to District Rule 4102 (Nuisance) and District Rule 4641 (Cutback, Slow Cure and Emulsified Asphalt, Paving and Maintenance Operations). As discussed in Section 4.1, *Air Quality*, of the Draft EIR, the Project will comply with all applicable District rules, including Rule 4102 (Refer to Page 4.1-14 of the Draft EIR). Specifically, the Project Applicant is responsible for contacting all responsible and commenting agencies and ensuring compliance with any applicable fees and/or rules, including but not limited to and San Joaquin Valley Air Pollution Control District.
- F-46 The commenter recommends that a copy of SJVAPD's comments be provided to the Project proponent, and provides contact information for SJVAPD.



**COMMENT LETTER G**

----- Forwarded message -----

From: **Cultural Preservation Department Inbox** <[cpd@wiltonrancheria-nsn.gov](mailto:cpd@wiltonrancheria-nsn.gov)>  
Date: Thu, Jun 26, 2025, 12:04 PM  
Subject: Re: Spreckels Avenue, Manteca  
To: Nicole Saenz <[nsaenz@appliedearthworks.com](mailto:nsaenz@appliedearthworks.com)>  
Cc: Monica Ruth <[mruth@appliedearthworks.com](mailto:mruth@appliedearthworks.com)>, James Dunnigan <[jdunnigan@appliedearthworks.com](mailto:jdunnigan@appliedearthworks.com)>

Nicole,

Thank you for your letter dated June 10, 2025, regarding the proposed project. Wilton Rancheria (“Tribe”) is a federally recognized Tribe as listed in the Federal Register, Vol. 74, No. 132, p. 33468-33469, as “Wilton Rancheria of Wilton, California”. The Tribe’s Service Delivery Area (“SDA”) as listed in the Federal Register, Vol. 78, No. 176, p. 55731, is Sacramento County. The Tribe’s Trust Lands are in Sacramento County however, the Tribe’s ancestral territory spans from Sacramento County to portions of the surrounding Counties.

Although your project is within the ancestral territory of the Wilton Rancheria, we do not have any comments and do not wish to open consultation at this time. We appreciate your continued outreach and/ or consultation for future projects and respectfully request that you contact us if there are any project updates or changes.

Thank you,

←  
G-1  
←



**Wilton Rancheria**  
*Department of Cultural  
Preservation*  
Front Desk: 916-313-4493  
[cpd@wiltonrancheria-nsn.gov](mailto:cpd@wiltonrancheria-nsn.gov)



**Responses to Comment G**

**Wilton Rancheria, dated June 26, 2025**

- G-1 The commenter provides background information on the Wilton Rancheria and its ancestral territory. The commenter also states that the Project is not located within the ancestral territory of the Wilton Rancheria, has no further comments on the Project, and does not wish to open consultation at this time. This comment does not raise any issues concerning the environmental analysis provided in the Draft EIR and thus no further response is required.





### SECTION 3.0 CLARIFICATIONS AND REVISIONS

Corrections to the Draft Environmental Impact Report (EIR) text generated either from responses to comments or independently by the City, are stated in this section of the Final EIR. The information included in this section does not constitute substantial new information that requires recirculation of the Draft EIR. Section 15088.5 of the State CEQA Guidelines states in part:

- (a) *A lead agency is required to recirculate an EIR when significant new information is added to the EIR after public notice is given of the availability of the draft EIR for public review under Section 15087 but before certification. As used in this section, the term “information” can include changes in the project or environmental setting as well as additional data or other information. 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. “Significant new information” requiring recirculation includes, for example, a disclosure showing that:*
- (1) *A new significant environmental impact would result from the project or from a new mitigation measure proposed to be implemented.*
  - (2) *A substantial increase in the severity of an environmental impact would result unless mitigation measures are adopted that reduce the impact to a level of insignificance.*
  - (3) *A feasible project alternative or mitigation measure considerably different from others previously analyzed would clearly lessen the significant environmental impacts of the project, but the project’s proponents decline to adopt it.*
  - (4) *The draft EIR was so fundamentally and basically inadequate and conclusory in nature that meaningful public review and comment were precluded.*
- (b) *Recirculation is not required where the new information added to the EIR merely clarifies or amplifies or makes insignificant modifications in an adequate EIR.*

None of the information contained in this section constitutes significant new information or changes to the analysis or conclusions of the Draft EIR. There were no new significant environmental impacts identified following circulation of the Draft EIR. Likewise, there were no substantial increases in the severity of environmental impacts identified after circulation of the Draft EIR. Therefore, recirculation of the Draft EIR is not required because the new information added to the EIR through these modifications clarifies or amplifies information already provided in the already adequate Draft EIR.



## CLARIFICATIONS AND REVISIONS TO THE DRAFT EIR

This section includes recommended clarifications and revisions to the Draft EIR. This section is organized by respective sections of the Draft EIR. Deleted text is shown as ~~strikeout~~ and new text is underlined.

### Section 2.0 Environmental Setting

1. Figure 2-2 is hereby modified due to typographical error.

### Section 4.1 Air Quality

1. Page 4.2-23 is hereby modified due to typographical error. The associated technical report has also been updated to reflect this change.

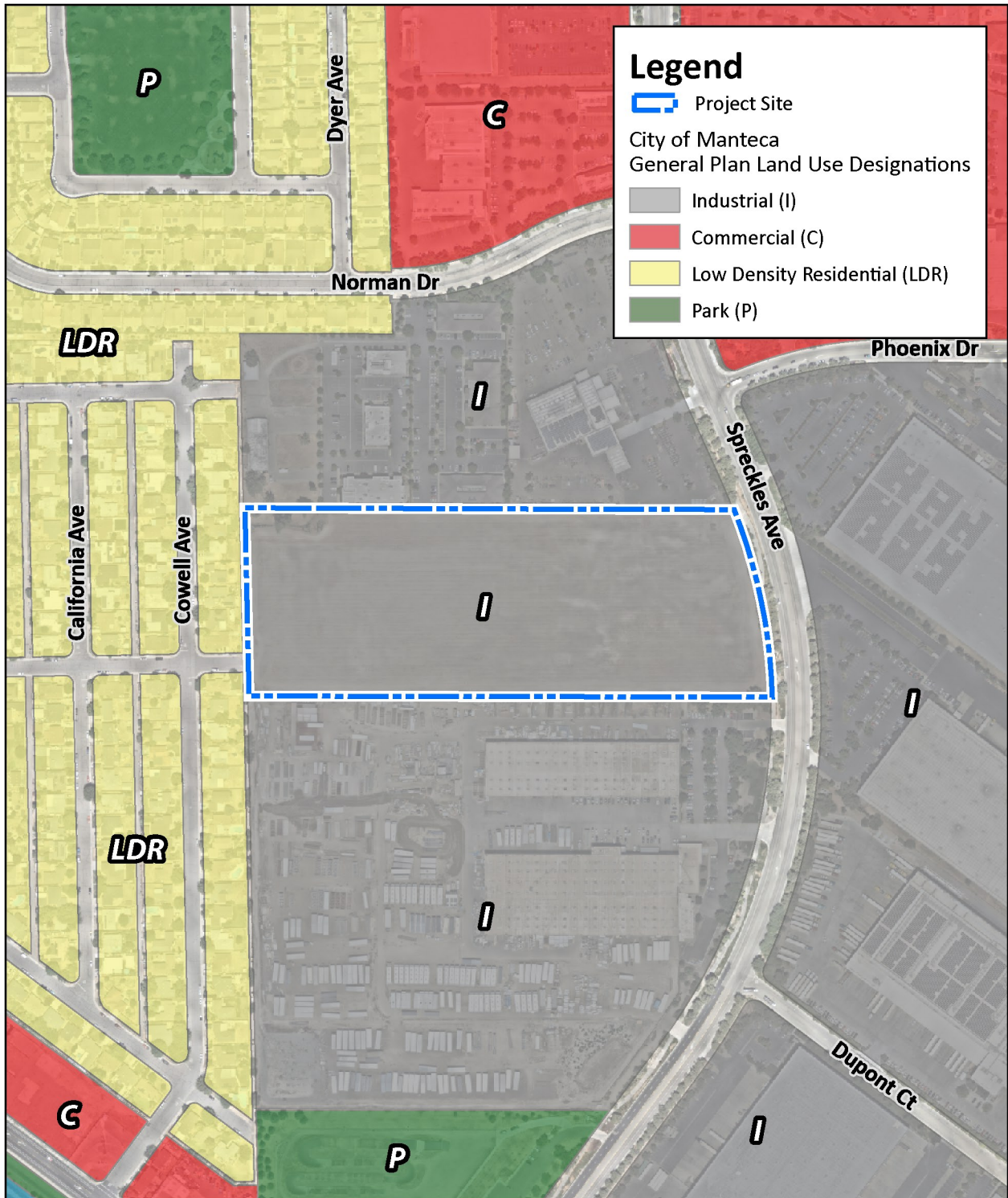
*Consistency Criterion No. 2: The Project will not exceed the assumptions in the AQMP based on the years of project build-out phase.*

The City of Manteca General Plan designates the Project site for ~~Light Industrial (LI)~~ uses, and the site is zoned Business Industrial Park (BIP). The Project Applicant proposes land uses that are consistent with development anticipated under the site's existing General Plan land use and zoning designations. The Project would therefore conform to local land use plans, and the Project is considered to be consistent with the growth assumptions of the applicable AQAP. Therefore, the Project is considered to be consistent with Consistency Criterion No. 2.

2. Pages 4.1-27 and 4.1-28 are hereby modified pursuant to Response to Comment F-5.

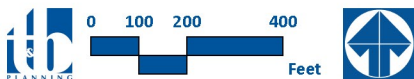
#### **Residential Exposure Scenario:**

The residential land use with the greatest potential exposure to Project DPM source emissions is Location R4 which is located immediately to the west of the Project site at the existing residence at 332 Cowell Avenue. At the MEIR, the maximum incremental cancer risk attributable to Project DPM source emissions is estimated at ~~26.54~~35.92 in one million, which would exceed the SJVAPCD significance threshold of 20 in one million. At this same location, non-cancer risks were estimated to be 0.04 which would not exceed the applicable significance threshold of 1.0. As such, the Project has the potential to cause a significant human health or cancer risk to nearby residences.



Source(s): City of Manteca (April 2025), Esri, Nearmap Imagery (June 2024)

**Figure 2-2**



**Existing General Plan Land Use Designations**



**Worker Exposure Scenario:**

The worker receptor land use with the greatest potential exposure to Project DPM source emissions is Location R6, which represents the adjacent potential worker receptor approximately 116 feet south of the Project site. At the maximally exposed individual worker (MEIW), the maximum incremental cancer risk impact is ~~6.28~~10.06 in one million, which is less than the SJVAPCD threshold of 20 in one million. Maximum non-cancer risks at this same location were estimated to be  $\leq 0.01$ , which would not exceed the applicable significance threshold of 1.0. Because all other modeled worker receptors are located at a greater distance and would experience lower concentrations of DPM than the MEIW analyzed herein, and DPM dissipates with distance from the source, all other worker receptors in the vicinity of the Project would be exposed to less emissions and therefore less risk than the MEIW identified herein. As such, the Project will not cause a significant human health or cancer risk to adjacent workers.

**School Child Exposure Scenario:**

The nearest school and location of the maximally exposed individual school child (MEISC) is Lincoln Elementary School, located approximately 1,231 feet northwest of the Project site. At the MEISC, the maximum incremental cancer risk impact attributable to the Project is calculated to be ~~1.29~~1.68 in one million without mitigation which is less than the significance threshold of 20 in one million. At this same location, non-cancer risks attributable to the Project were calculated to be  $\leq 0.01$  without mitigation, which would not exceed the applicable significance threshold of 1.0. Because all other modeled school receptors would be exposed to lower concentrations of DPM, all other school receptors in the vicinity of the Project would be exposed to less emissions and therefore less risk than the MEISC identified herein.

***D. Construction and Operational Health Impacts***

The land use with the greatest potential exposure to Project construction and operational DPM source emissions is Location R4. At the MEIR, the maximum incremental cancer risk attributable to Project construction and operational DPM source emissions is estimated at ~~23.70~~33.15 in one million without mitigation, which would exceed the SJVAPCD threshold of 20 in one million. At this same location, non-cancer risks were estimated to be 0.04 without mitigation which would not exceed the applicable threshold of 1.0. All other receptors during construction and operational activity would experience less risk than what is identified for this location. Therefore, sensitive receptors would be exposed to substantial pollutant concentrations due to the Project, and impacts would be potentially significant.<sup>5</sup>

3. Page 4.1-30 is hereby modified pursuant to Response to Comment F-5.

Based on the ITE Trip Generation Manual, 11th Edition Land Use Code 150, a combined 2,145,364 square feet of warehouse could generate approximately 856 daily truck trips. As such, these nearby facilities could generate approximately 856 additional combined daily truck trips that could comingle with the Project truck trips. These approximately 856 additional truck trips represent approximately 3.94 times the Project's total truck trip estimate of 217 truck trips. Therefore, it is estimated that these facilities could result in approximately 3.94 times the

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<sup>5</sup> As noted on Pages 4.1-30 through 4.1-32 of the Draft EIR these impacts have been mitigated to less than significant.





risk calculated for the Project, which would result in an additional risk of 31.71 per million. When combined with the Project's estimated risk of ~~8.04~~10.9 in one million with mitigation, the combined estimated cumulative cancer risk would be estimated at ~~39.75~~53.85 in one million.

The maximum incremental cancer risk shown above for each project represents the risk at the maximally exposed individual receptor for each project, and it should be noted that each of these receptors would be in different locations. As such, the total cumulative cancer risk of ~~39.75~~53.85 in one million is highly conservative, and the actual risk contributions from each project would be less than this combined value. Despite this conservative approach, the total cumulative cancer risk from the Project and past, present, and reasonably foreseeable future projects that also contribute to the impact is well below the BAAMD and EPA's standard cumulative cancer risk threshold of 100 in one million. Therefore, cumulative health risk impacts would be less than cumulatively considerable.

4. Page 4.1-32 is hereby modified pursuant to Response to Comment F-5.

Threshold c: Less-Than-Significant Impact with Mitigation Incorporated. The main source of health risk is associated with TRUs and Mitigation Measures MM 4.1-1 through MM 4.1-3 are designed to reduce TAC emissions associated with the operation of TRUs while loading and unloading at building loading docks by requiring sufficiently sized electrical room, electrical hookups at TRU locking docks to facilitate plug-in capabilities, and truck idling signage. The analysis assumes that TRU engine operation would not exceed 30 minutes while parked at building loading docks. With the implementation of mitigation measures, under the residential exposure scenario to both Project construction and operational DPM emissions, the maximum incremental cancer risk at the MEIR is estimated at ~~8.04~~12.16 in one million, which would not exceed the SJVAPCD significance threshold of 20 in one million. At this same location, non-cancer risks were estimated to be ~~0.04~~0.02, which would not exceed the applicable significance threshold of 1.0. With implementation of Mitigation Measures MM 4.1-1 through MM 4.1-3 above, the Project's operational TAC emissions would not exceed SJVAPCD cancer risk significance thresholds; thus, the Project's operational TAC emissions would result in a less than significant health risk impact with mitigation incorporated.

## **Section 4.2, Biological Resources**

1. Page 4.2-23 is hereby modified pursuant to Response to Comment E-2.

Threshold d: Less than Significant with Mitigation Incorporated. Implementation of Mitigation Measure MM 4.2-1 would ensure that pre-construction surveys are conducted for nesting birds. If nesting birds are present on the Project site, mitigation requires avoidance of active nests. With implementation of the required mitigation, potential impacts to nesting birds would be reduced to below a level of significance. Additionally, the Project complies with SJMSCP and SJMSCP Incidental Take Minimization Measures would be implemented through a condition of approval for the Project in accordance with Section 10(a)(1)(B) Permit, and Section 2081(b) Incidental Take Permit conditions issued by the USFWS and CDFW, respectively.



**Section 4.3, Cultural Resources**

1. Page 4.3-12 is hereby modified due to typographical error.

Mandatory compliance with the provisions of California Health and Safety Code Section 7050.5 as well as Public Resources Code Section 5097 et seq. (see ~~Regulatory Requirement 5-4~~), would ensure that all future development projects within the region treat human remains that may be uncovered during development activities in accordance with prescribed, respectful, and appropriate practices, thereby avoiding significant cumulative impacts.

**Section 4.6, Greenhouse Gas Emissions**

1. Page 4.6-28 is hereby modified due to typographical error. The associated technical report has also been updated to reflect this change.

CAP Strategy	Consistency Discussion
<p>Comply with the applicable land use, sustainable development, and resource conservation policies of the Manteca General Plan.</p>	<p><b>No Conflict.</b> The Project site is located within an existing commercial and industrial development known as Spreckels Business Park. The Project is a proposed infill development, consistent with the existing surrounding industrial uses, and would serve as an extension of the existing development. The proposed warehouse distribution center is an allowed use within the <del>Light</del> Industrial (<del>LI</del>) land use designation and Business Industrial Park (BIP) zoning designation of the site.</p> <p>As noted previously, the Project would be subject to a use permit and site plan review approval pursuant to the Spreckels Park Industrial Guidelines page 5 of 16T[3e], which stipulates that where a residential use abuts an industrial use, a conditional use permit shall be required to ensure provision of adequate buffers. Major Site Plan Review approval, pursuant to Section 17.10.060 of the City’s Municipal Code. Site Plan Review approval would ensure that the Project is consistent with any applicable land use plan, policy, or regulation. Accordingly, consistency with the applicable land use, sustainable development, and resource conservation policies of the Manteca General Plan, is verified during the Site Plan Review process, and the Project would not conflict with this measure.</p>



# Attachment A

## Updated Health Risk Assessment





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**Spreckels Distribution Center**  
**CONSTRUCTION AND OPERATIONAL HEALTH**  
**RISK ASSESSMENT**  
**CITY OF MANTECA**

PREPARED BY:

Haseeb Qureshi  
hqureshi@urbanxroads.com

Michael Tirohn  
mtirohn@urbanxroads.com

AUGUST 7, 2025



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## **LIST OF ABBREVIATED TERMS**

(1)	Reference
µg	Microgram
AERMOD	American Meteorological Society/Environmental Protection Agency Regulatory Model
AQMD	Air Quality Management District
ASF	Age Sensitivity Factor
CAPCOA	California Air Pollution Control Officers Association
CARB	California Air Resources Board
CEQA	California Environmental Quality Act
CPF	Cancer Potency Factor
DPM	Diesel Particulate Matter
EMFAC	Emission Factor Model
EPA	Environmental Protection Agency
FAH	Fraction of Time at Home
HHD	Heavy Heavy-Duty
HI	Hazard Index
HRA	Health Risk Assessment
ITE	Institute of Transportation Engineers
LHD	Light Heavy-Duty
MATES	Multiple Air Toxics Exposure Study
MEIR	Maximally Exposed Individual Receptor
MEISC	Maximally Exposed Individual School Child
MEIW	Maximally Exposed Individual Worker
MHD	Medium Heavy-Duty
MM	Mitigation Measure
OEHHA	Office of Environmental Health Hazard Assessment
PM <sub>10</sub>	Particulate Matter 10 microns in diameter or less
Project	Spreckels Distribution Center
REL	Reference Exposure Level
SCAQMD	South Coast Air Quality Management District
SJVAPCD	San Joaquin Valley Air Pollution Control District
TAC	Toxic Air Contaminant
TRU	Transport Refrigeration Unit
URF	Unit Risk Factor
UTM	Universal Transverse Mercator

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## EXECUTIVE SUMMARY

This report evaluates the potential health risk impacts to sensitive receptors (residents) and adjacent workers associated with the development of the proposed Project, more specifically, health risk impacts as a result of exposure to Toxic Air Contaminants (TACs) including diesel particulate matter (DPM) as a result of heavy-duty diesel trucks accessing the site. This section summarizes the significance criteria and Project health risks.

The results of the health risk assessment from Project-generated DPM emissions are provided in Tables ES-1, ES-2, and ES-3 below for the Project.

### CONSTRUCTION IMPACTS

The land use with the greatest potential exposure to Project construction DPM source emissions is Location R4 which is located immediately to the west of the Project site at the existing residence at 332 Cowell Avenue. Receptor R4 is placed in the private outdoor living areas (backyard) facing the Project site. At the maximally exposed individual receptor (MEIR), the maximum incremental cancer risk attributable to Project construction DPM source emissions is estimated at 3.02 in one million, which is less than the San Joaquin Valley Air Pollution Control District (SJVAPCD) significance threshold of 20 in one million. At this same location, non-cancer risks were estimated to be  $\leq 0.01$ , which would not exceed the applicable threshold of 1.0. Because all other modeled residential receptors are located at a greater distance from the Project site and are exposed to lesser concentrations of DPM than the MEIR analyzed herein, and TACs generally dissipate with distance from the source, all other residential receptors in the vicinity of the Project site would be exposed to less emissions and therefore less risk than MEIR identified herein. The nearest modeled receptors are illustrated in Exhibit 2-D.

### OPERATIONAL IMPACTS

#### Residential Exposure Scenario:

The residential land use with the greatest potential exposure to Project DPM source emissions is Location R4 which is located immediately to the west of the Project site at the existing residence at 332 Cowell Avenue. Receptor R4 is placed in the private outdoor living areas (backyard) facing the Project site. At the MEIR, the maximum incremental cancer risk attributable to Project DPM source emissions is estimated at 35.92 in one million without mitigation, which would exceed the SJVAPCD significance threshold of 20 in one million. With mitigation, the maximum incremental cancer risk at the MEIR is estimated at 10.90 in one million, which would not exceed the SJVAPCD significance threshold of 20 in one million. At this same location, non-cancer risks were estimated to be 0.04 without mitigation and 0.01 with mitigation, neither of which would exceed the applicable significance threshold of 1.0. Because all other modeled residential receptors are located at a greater distance from the Project site and primary truck routes and are exposed to lesser concentrations of DPM than the MEIR analyzed herein, and TACs generally dissipate with distance from the source, all other residential receptors in the vicinity of the Project site would be exposed to less emissions and therefore less risk than the MEIR identified herein. As such,



with mitigation the Project will not cause a significant human health or cancer risk to nearby residences. The nearest modeled receptors are illustrated in Exhibit 2-D.

Worker Exposure Scenario<sup>1</sup>:

The worker receptor land use with the greatest potential exposure to Project DPM source emissions is Location R6, which represents the adjacent potential worker receptor approximately 116 feet south of the Project site. At the maximally exposed individual worker (MEIW), the maximum incremental cancer risk impact is 10.06 in one million without mitigation and 3.18 with mitigation, both of which are less than the SJVAPCD threshold of 20 in one million. Maximum non-cancer risks at this same location were estimated to be  $\leq 0.01$  with and without mitigation, which would not exceed the applicable significance threshold of 1.0. Because all other modeled worker receptors are located at a greater distance and would experience lower concentrations of DPM than the MEIW analyzed herein, and DPM dissipates with distance from the source, all other worker receptors in the vicinity of the Project would be exposed to less emissions and therefore less risk than the MEIW identified herein. As such, the Project will not cause a significant human health or cancer risk to adjacent workers. The nearest modeled receptors are illustrated in Exhibit 2-D.

School Child Exposure Scenario:

The nearest school and location of the maximally exposed individual school child (MEISC) is Lincoln Elementary School, located approximately 1,231 feet northwest of the Project site. At the MEISC, the maximum incremental cancer risk impact attributable to the Project is calculated to be 1.68 in one million without mitigation and 0.52 in one million with mitigation, both of which are less than the significance threshold of 20 in one million. At this same location, non-cancer risks attributable to the Project were calculated to be  $\leq 0.01$  with and without mitigation, which would not exceed the applicable significance threshold of 1.0. Because all other modeled school receptors would be exposed to lower concentrations of DPM, all other school receptors in the vicinity of the Project would be exposed to less emissions and therefore less risk than the MEISC identified herein.

**CONSTRUCTION AND OPERATIONAL IMPACTS**

The land use with the greatest potential exposure to Project construction and operational DPM source emissions is Location R4. At the MEIR, the maximum incremental cancer risk attributable to Project construction and operational DPM source emissions is estimated at 33.15 in one million without mitigation, which would exceed the SJVAPCD threshold of 20 in one million. With mitigation, the combined construction and operational cancer risk is reduced to 12.16 in one million, which would not exceed the SJVAPCD threshold of 20 in one million. At this same location, non-cancer risks were estimated to be 0.04 without mitigation and 0.02 with mitigation, neither of which would exceed the applicable threshold of 1.0. All other receptors during

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1 SJVAPCD guidance does not require assessment of the potential health risk to on-site workers. Excerpts from the document OEHHA Air Toxics Hot Spots Program Risk Assessment Guidelines—The Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments (OEHHA 2003), also indicate that it is not necessary to examine the health effects to on-site workers unless required by RCRA (Resource Conservation and Recovery Act) / CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act) or the worker resides on-site.

construction and operational activity would experience less risk than what is identified for this location. The nearest modeled receptors are illustrated in Exhibit 2-D.

**TABLE ES-1: SUMMARY OF CONSTRUCTION CANCER AND NON-CANCER RISKS**

<b>Time Period</b>	<b>Location</b>	<b>Maximum Lifetime Cancer Risk (Risk per Million)</b>	<b>Significance Threshold (Risk per Million)</b>	<b>Exceeds Significance Threshold</b>
0.85 Year Exposure	Maximum Exposed Sensitive Receptor (Location R4)	3.02	20	NO
<b>Time Period</b>	<b>Location</b>	<b>Maximum Hazard Index</b>	<b>Significance Threshold</b>	<b>Exceeds Significance Threshold</b>
Annual Average	Maximum Exposed Sensitive Receptor (Location R4)	≤0.01	1.0	NO

**TABLE ES-2: SUMMARY OF OPERATIONAL CANCER AND NON-CANCER RISKS**

Scenario	Time Period	Location	Maximum Lifetime Cancer Risk (Risk per Million)	Significance Threshold (Risk per Million)	Exceeds Significance Threshold
Without Mitigation	70 Year Exposure	Maximum Exposed Sensitive Receptor (Location R4)	35.92	20	YES
	40 Year Exposure	Maximum Exposed Worker Receptor (Location R6)	10.06	20	NO
	9 Year Exposure	Maximum Exposed Individual School Child (Location R8)	1.68	20	NO
With Mitigation	70 Year Exposure	Maximum Exposed Sensitive Receptor (Location R4)	10.90	20	NO
	40 Year Exposure	Maximum Exposed Worker Receptor (Location R6)	3.18	20	NO
	9 Year Exposure	Maximum Exposed Individual School Child (Location R8)	0.52	20	NO
Scenario	Time Period	Location	Maximum Hazard Index	Significance Threshold	Exceeds Significance Threshold
Without Mitigation	Annual Average	Maximum Exposed Sensitive Receptor (Location R4)	0.04	1.0	NO
	Annual Average	Maximum Exposed Worker Receptor (Location R6)	0.02	1.0	NO
	Annual Average	Maximum Exposed Individual School Child (Location R8)	≤0.01	1.0	NO
With Mitigation	Annual Average	Maximum Exposed Sensitive Receptor (Location R4)	≤0.01	1.0	NO
	Annual Average	Maximum Exposed Worker Receptor (Location R6)	≤0.01	1.0	NO
	Annual Average	Maximum Exposed Individual School Child (Location R8)	≤0.01	1.0	NO

**TABLE ES-3: SUMMARY OF CONSTRUCTION AND OPERATIONAL CANCER AND NON-CANCER RISKS**

Scenario	Time Period	Location	Maximum Lifetime Cancer Risk (Risk per Million)	Significance Threshold (Risk per Million)	Exceeds Significance Threshold
Without Mitigation	70 Year Exposure	Maximum Exposed Sensitive Receptor (Location R4)	33.15	20	YES
With Mitigation	70 Year Exposure	Maximum Exposed Sensitive Receptor (Location R4)	12.16	20	NO
Scenario	Time Period	Location	Maximum Hazard Index	Significance Threshold	Exceeds Significance Threshold
Without Mitigation	Annual Average	Maximum Exposed Sensitive Receptor (Location R4)	0.04	1.0	NO
With Mitigation	Annual Average	Maximum Exposed Sensitive Receptor (Location R4)	0.02	1.0	NO

**PROJECT MITIGATION MEASURES**

TAC emissions generated as a result of proposed Project construction activities would not exceed SJVAPCD cancer or non-cancer health risk thresholds; thus, mitigation of Project construction emissions is not required.

However, Project operational TAC emissions would exceed the SJVAPCD cancer risk threshold and would thus be considered potentially significant. Non-cancer health risk associated from operation of the proposed Project would not exceed SJVAPCD significance thresholds. Mitigation measures (MMs) HRA-1 through HRA-3 are designed to reduce TAC emissions associated with the operation of transport refrigeration units (TRUs) and truck idling while loading and unloading at building loading docks. With implementation of MMs HRA-1 through HRA-3 below, the proposed Project's operational TAC emissions would not exceed SJVAPCD cancer risk significance thresholds; thus, with implementation of MMs HRA-1 through HRA-3, the proposed Project's operational TAC emissions would result in a less than significant health risk impact.

**MM HRA-1**

Prior to the issuance of a building permit, the building's electrical room shall be sufficiently sized to hold additional panels that may be needed in the future to supply power to trailers with TRUs during the loading/unloading of refrigerated goods. Conduit should be installed from the electrical room to the loading docks determined by the Project Applicant during construction document plan check as the logical location(s) to receive trailers with TRUs.

MM HRA-2

Prior to the issuance of a building permit for a cold storage operator, the Project applicant shall provide evidence to the City that all TRU loading docks install electrical hookups to facilitate plug-in capabilities and support use of electric standby and/or hybrid electric TRUs, and all loading docks are designed to be compatible with SmartWay trucks. All site and architectural plans submitted to the City Planning Department shall note all the truck/dock bays designated for electrification.

MM HRA-3

Legible, durable, weather-proof signs shall be placed at truck access gates, loading docks, and truck parking areas that identify applicable 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 three (3) minutes once the vehicle is stopped, the transmission is set to "neutral" or "park," and the parking brake is engaged; and 3) telephone numbers of the building facilities manager and CARB to report violations. Prior to the issuance of an occupancy permit, the City shall conduct a site inspection to ensure that the signs are in place.

With implementation of these mitigation measures, the analysis assumes that TRU engine operation would not exceed 30 minutes while parked at building loading docks.

# 1 INTRODUCTION

The purpose of this Health Risk Assessment (HRA) is to evaluate Project-related impacts to the nearest sensitive receptors (residents) and workers as a result of heavy-duty diesel trucks accessing the site.

The SJVAPCD identifies that if a proposed Project is expected to generate/attract heavy-duty diesel trucks, which emit DPM, preparation of a mobile source HRA is recommended. This document serves to meet the SJVAPCD's recommendation for preparation of an HRA. The mobile source HRA has been prepared in accordance with the relevant documentation available including SJVAPCD's Guidance for Assessing and Mitigating Air Quality Impacts (1) and Guidance for Air Dispersion Modeling (2), and is comprised of all relevant and appropriate procedures presented by the United States Environmental Protection Agency (U.S. EPA), California EPA and SJVAPCD. Cancer risk is expressed in terms of expected incremental incidence per million population. The SJVAPCD has established an incidence rate of twenty (20) persons per million as the maximum acceptable incremental cancer risk due to DPM exposure from a project such as the proposed Project (3). This threshold serves to determine whether or not a given project has a potentially significant development-specific and cumulatively considerable impact.

The SJVAPCD has also established non-carcinogenic risk parameters for use in HRAs. Non-carcinogenic risks are quantified by calculating a "hazard index," expressed as the ratio between the ambient pollutant concentration and its toxicity or Reference Exposure Level (REL). An REL is a concentration at or below which health effects are not likely to occur. A hazard index of less than one (1.0) means that adverse health effects are not expected. In this HRA, non-carcinogenic exposures of less than 1.0 are considered less-than-significant (3). Both the cancer risk and non-carcinogenic risk thresholds are applied to the nearest sensitive receptors below.

## 1.1 SITE LOCATION

The proposed Spreckels Distribution Center (Project) is located at 407 Spreckels Avenue in the City of Manteca, as shown in Exhibit 1-A.

## 1.2 PROJECT DESCRIPTION

The Project Applicant is processing a Conditional Use Permit and Site Plan Review for the proposed Project to redevelop the Project site with a modern, 289,449 square feet (SF) warehouse and office building with 46 truck dock doors, 180 standard parking spaces, six (6) accessible parking spaces, and 63 truck trailer spaces. Of the total square footage of the building, the Project would allocate 296,230 sf for warehousing/distribution and 8,000 sf for office uses. Currently, the Project site is vacant and undeveloped, consisting primarily of ruderal grasses, which appear to be regularly disked. An eight-foot solid sound wall extends along the western site boundary, and the Manteca Tidewater Bikeway extends along the eastern site boundary.

A preliminary site plan for the proposed Project is shown in Exhibit 1-B. The proposed Project has an anticipated opening year of 2026.

### EXHIBIT 1-A: LOCATION MAP

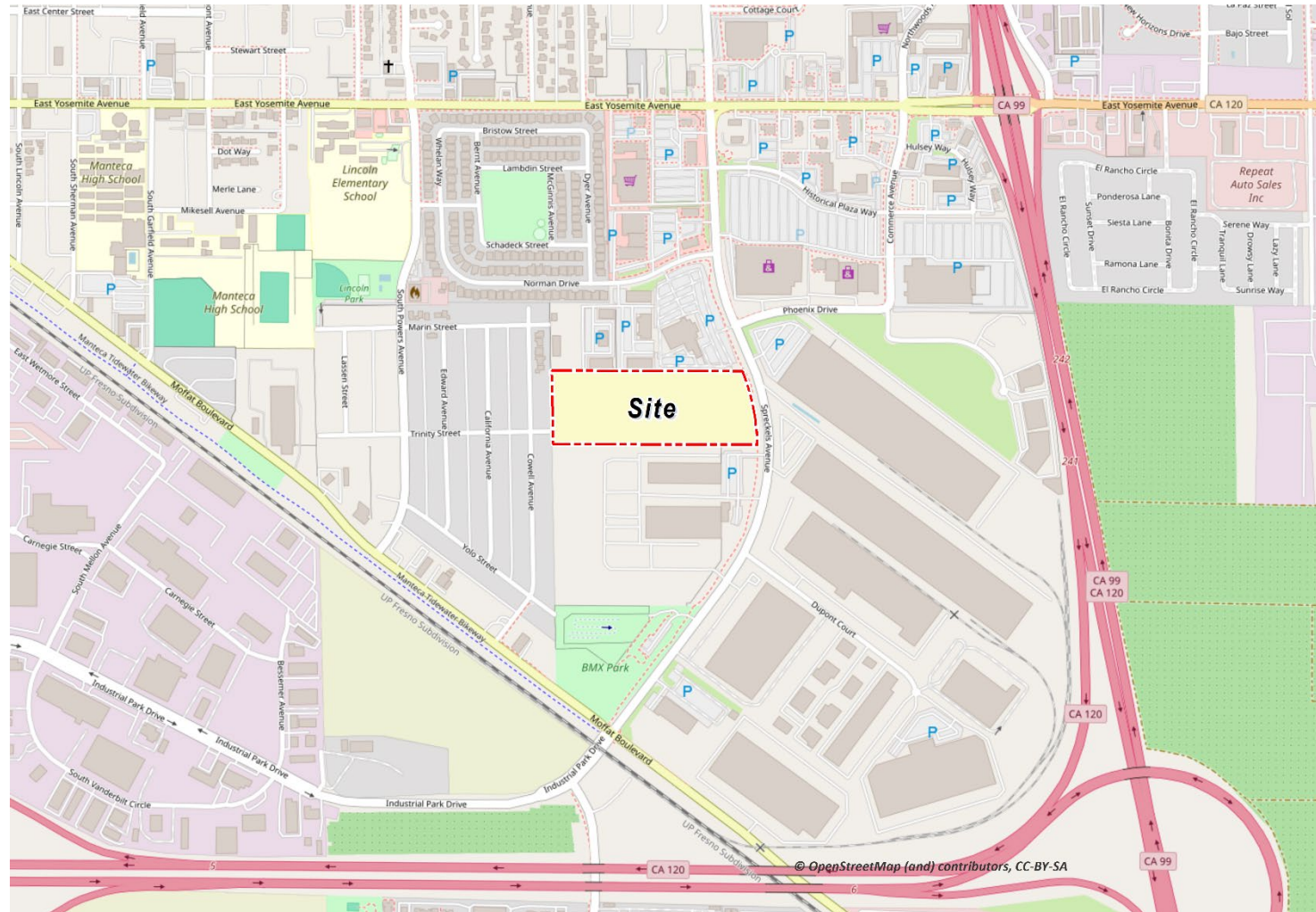
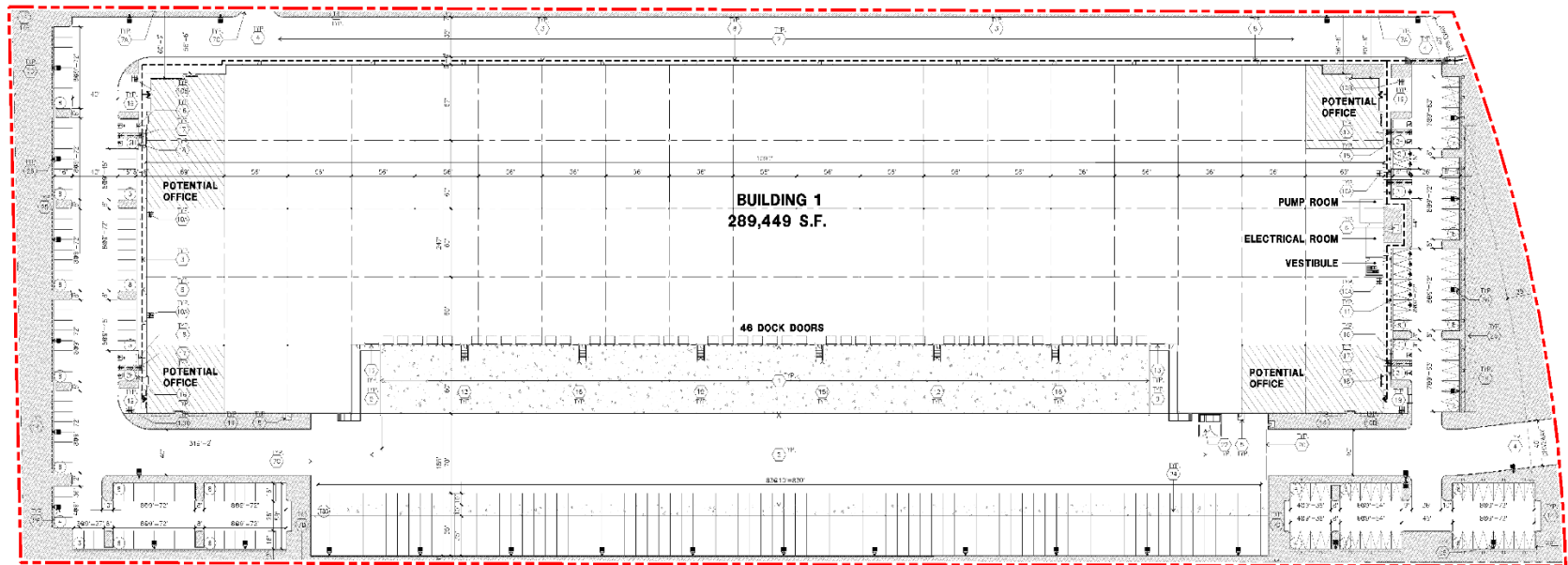




EXHIBIT 1-B: SITE PLAN



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## 2 BACKGROUND

### 2.1 BACKGROUND ON RECOMMENDED METHODOLOGY

This HRA is based on applicable guidelines to produce conservative estimates of human health risk posed by exposure to DPM. The conservative nature of this analysis is due primarily to the following factors:

- The ARB-adopted diesel exhaust Unit Risk Factor (URF) of 300 in one million per  $\mu\text{g}/\text{m}^3$  is based upon the upper 95<sup>th</sup> percentile of estimated risk for each of the epidemiological studies utilized to develop the URF. Using the 95<sup>th</sup> percentile URF represents a very conservative (health-protective) risk posed by DPM because it represents breathing rates that are high for the human body.
- The emissions derived assume that every truck accessing the Project site will idle for 15 minutes under the unmitigated scenario, and this is an overestimation of actual idling times and thus conservative.<sup>2</sup> California Air Resources Board (CARB) anti-idling requirements impose a 5-minute maximum idling time and therefore the analysis conservatively overestimates DPM emissions from idling by a factor of 3.

The SJVAPCD has established an incidence rate of twenty (20) persons per million as the maximum acceptable incremental cancer risk due to DPM exposure from a project such as the proposed Project (3).

Non-carcinogenic risk is expressed as a hazard index, which is quantified by comparing the exposure to the reference level via a ratio (i.e., the exposure divided by the appropriate chronic or acute value). Exposures below the reference level (a hazard index of 1.0) are not likely to be associated with any adverse health effects and are considered to be less than significant.

### 2.2 CONSTRUCTION HEALTH RISK ASSESSMENT

#### 2.2.1 EMISSIONS CALCULATIONS

The emissions calculations for the construction HRA component are based on an assumed mix of construction equipment and hauling activity as presented in the *Spreckels Distribution Center Air Quality Impact Analysis* (AQIA) prepared by Urban Crossroads, Inc. (4)

Construction related DPM emissions are expected to occur primarily as a function of heavy-duty construction equipment that would be operating on-site.

As discussed in the AQIA, the Project would result in approximately 221 total working-days of construction activity. The construction duration by phase is shown in Table 2-1. A detailed summary of construction equipment assumptions by phase is provided in Table 2-2. The

<sup>2</sup> Although the Project is required to comply with ARB's idling limit of 5 minutes, the analysis conservatively assumes that each truck would idle for a period of 15 minutes, which would take into account on-site idling which occurs while the trucks are waiting to pull up to the truck bays, idling at the bays, idling at check-in and check-out, etc.

CalEEMod emissions outputs are presented in Appendix 2.1. The modeled emission sources for construction activity are illustrated in Exhibit 2-A.

**TABLE 2-1: CONSTRUCTION DURATION**

Construction Activity	Start Date	End Date	Working Days
Site Preparation	2/1/2025	2/7/2025	5
Grading	2/8/2025	3/5/2025	18
Building Construction	3/6/2025	12/8/2025	198
Paving	10/28/2025	12/8/2025	30
Architectural Coating	10/28/2025	12/8/2025	30

**TABLE 2-2: CONSTRUCTION EQUIPMENT ASSUMPTIONS**

Construction Activity	Equipment	Amount	Hours Per Day
Site Preparation	Crawler Tractors	3	8
Grading	Excavators	1	8
	Graders	1	8
	Rubber Tired Dozers	1	8
	Scrapers	3	8
Building Construction	Cranes	1	8
	Forklifts	3	8
	Generator Sets	1	8
	Tractors/Loaders/Backhoes	4	8
	Welders	1	8
Paving	Pavers	2	8
	Paving Equipment	2	8
	Rollers	2	8
Architectural Coating	Air Compressors	1	8

**EXHIBIT 2-A: MODELED CONSTRUCTION EMISSION SOURCES**



**LEGEND:**  
N  
[Red hatched box] Construction Activity

## 2.3 OPERATIONAL HEALTH RISK ASSESSMENT

### 2.3.1 ON-SITE AND OFF-SITE TRUCK ACTIVITY

Vehicle DPM emissions were calculated using emission factors for particulate matter less than 10 $\mu$ m in diameter (PM<sub>10</sub>) generated with the 2021 version of the Emission FACTor model (EMFAC) developed by the CARB. EMFAC 2021 is a mathematical model that CARB developed to calculate emission rates from motor vehicles that operate on highways, freeways, and local roads in California and is commonly used by the ARB to project changes in future emissions from on-road mobile sources (5). The most recent version of this model, EMFAC 2021, incorporates regional motor vehicle data, information and estimates regarding the distribution of vehicle miles traveled (VMT) by speed, and number of starts per day.

Several distinct emission processes are included in EMFAC 2021. Emission factors calculated using EMFAC 2021 are expressed in units of grams per vehicle miles traveled (g/VMT) or grams per idle-hour (g/idle-hr), depending on the emission process. The emission processes and corresponding emission factor units associated with diesel particulate exhaust for this Project are presented below.

For this Project, annual average PM<sub>10</sub> emission factors were generated by running EMFAC 2021 in EMFAC Mode for vehicles in the San Joaquin County jurisdiction. The EMFAC Mode 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 temperature, relative humidity, and vehicle speed. The model was run for speeds traveled in the vicinity of the Project. The vehicle travel speeds for each segment modeled are summarized below.

- Idling – on-site loading/unloading and truck trailer parking
- 5 miles per hour – on-site vehicle movement including driving and maneuvering
- 25 miles per hour – off-site vehicle movement including driving and maneuvering.

Calculated emission factors are shown at Table 2-3. As a conservative measure, a 2026 EMFAC 2021 run was conducted and a static 2026 emissions factor data set was used for the entire duration of analysis herein (e.g., 70 years). Use of 2026 emission factors would overstate potential impacts since this approach assumes that emission factors remain “static” and do not change over time due to fleet turnover or cleaner technology with lower emissions that would be incorporated into vehicles after 2026. Additionally, based on EMFAC 2021, Light-Heavy-Duty Trucks are comprised of 60.2% diesel, Medium-Heavy-Duty Trucks are comprised of 92.1% diesel, and Heavy-Heavy-Duty Trucks are comprised of 97.4% diesel. Trucks fueled by diesel are accounted for by these percentages accordingly in the emissions factor generation. Appendix 2.2 includes additional details on the emissions estimates from EMFAC.

The vehicle DPM exhaust emissions were calculated for running exhaust emissions. The running exhaust emissions were calculated by applying the running exhaust PM<sub>10</sub> emission factor (g/VMT) from EMFAC over the total distance traveled. The following equation was used to estimate off-site emissions for each of the different vehicle classes comprising the mobile sources (6):



$$Emissions_{Speed A} = EF_{Run Exhaust} \times Distance \times \frac{Number\ of\ Trips\ per\ Day}{Seconds\ per\ Day}$$

Where:

- $Emissions_{Speed A}$  = Vehicle emissions at a given speed A (g/s)
- $EF_{Run Exhaust}$  = EMFAC running exhaust PM<sub>10</sub> emission factor at speed A (g/vmt)
- $Distance$  = Total distance traveled per trip (miles)

Similar to off-site traffic, on-site vehicle running emissions were calculated by applying the running exhaust PM<sub>10</sub> emission factor (g/VMT) from EMFAC and the total vehicle trip number over the length of the driving path using the same formula presented above for on-site emissions. In addition, on-site vehicle idling exhaust emissions were calculated by applying the idle exhaust PM<sub>10</sub> emission factor (g/idle-hr) from EMFAC and the total truck trip over the total assumed idle time (15 minutes). The following equation was used to estimate the on-site vehicle idling emissions for each of the different vehicle classes (6):

$$Emissions_{Idle} = EF_{Idle} \times Number\ of\ Trips \times Idling\ Time \times \frac{60\ minutes\ per\ hour}{seconds\ per\ day}$$

Where:

- $Emissions_{Idle}$  = Vehicle emissions during Idling (g/s)
- $EF_{Idle}$  = EMFAC idle exhaust PM<sub>10</sub> emission factor (g/s)
- $Number\ of\ Trips$  = Number of trips per day
- $Idling\ Time$  = Idling time (minutes per trip)

**TABLE 2-3: 2026 WEIGHTED AVERAGE DPM EMISSIONS FACTORS**

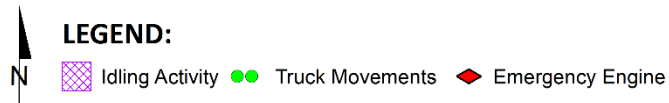
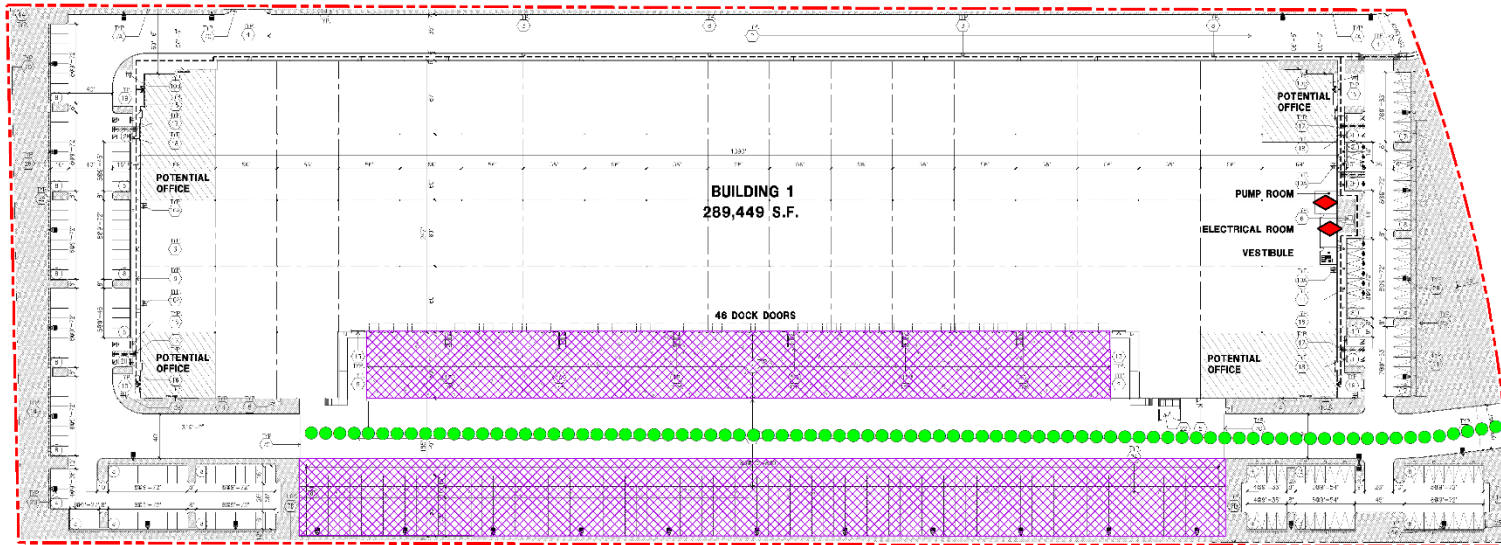
Speed	Weighted Average
0 (idling)	0.12421(g/idle-hr)
5	0.02626 (g/mile)
25	0.01093 (g/mile)

Each roadway was modeled as a line source (made up of multiple adjacent volume sources). Due to the large number of volume sources modeled for this analysis, the corresponding coordinates of each volume source have not been included in this report but are included in Appendices 2.3 through 2.6. The DPM emission rate for each volume source was calculated by multiplying the emission factor (based on the average travel speed along the roadway) by the number of trips and the distance traveled along each roadway segment and dividing the result by the number of volume sources along that roadway, as illustrated at Table 2-4. The modeled emission sources are illustrated in Exhibit 2-B for on-site sources and Exhibit 2-C for off-site sources. The modeling domain is limited to the Project’s primary truck route and includes off-site sources in the study area for more than ¼ mile. This modeling domain is more inclusive and conservative than using

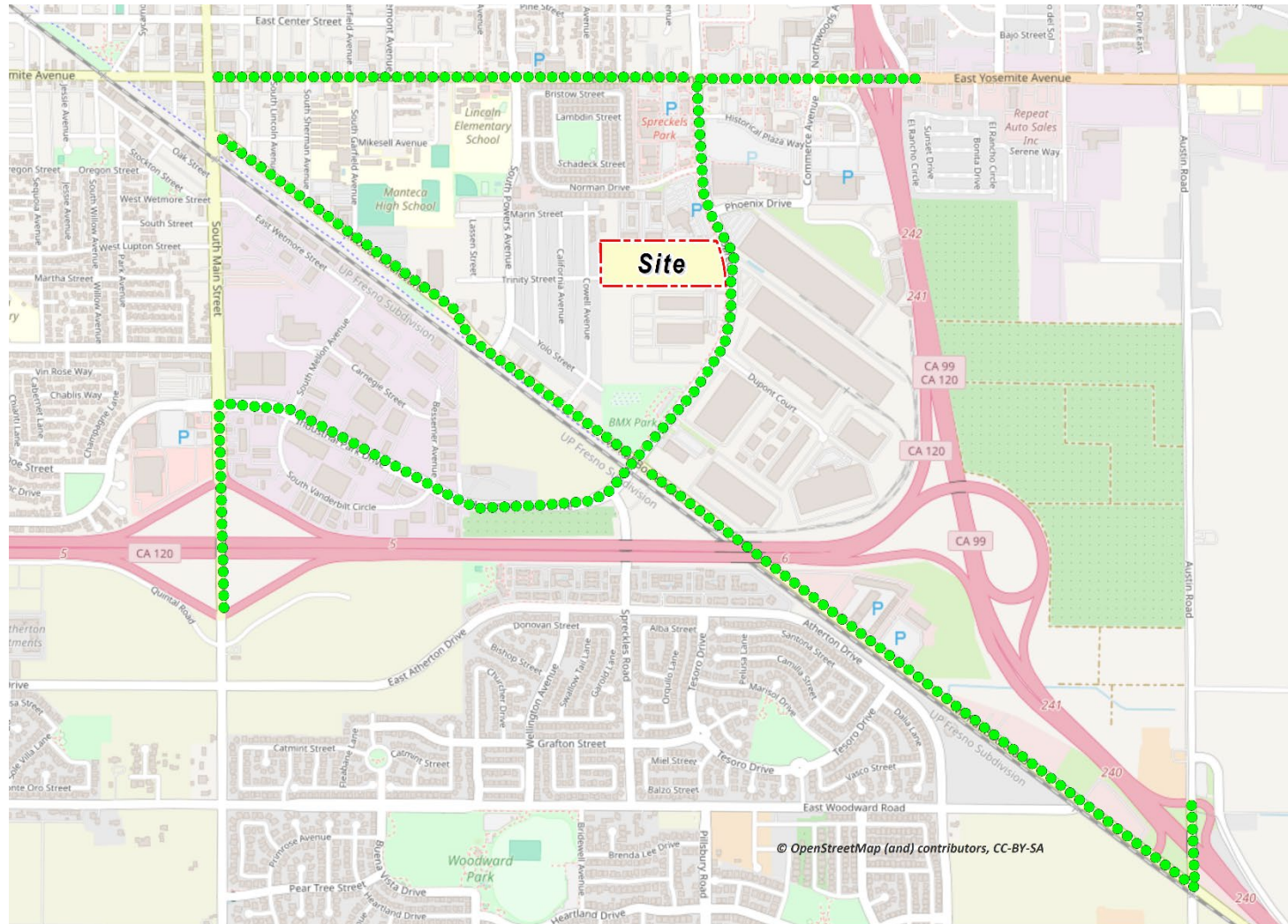
only a ¼ mile modeling domain which is the distance supported by several reputable studies which conclude that the greatest potential risks occur within a ¼ mile of the primary source of emissions (7) (in the case of the Project, the primary source of emissions is the on-site idling and on-site travel).



EXHIBIT 2-B: MODELED ON-SITE EMISSION SOURCES



**EXHIBIT 2-C: MODELED OFF-SITE EMISSION SOURCES**



**TABLE 2-4: DPM EMISSIONS FROM PROJECT TRUCKS (2026 ANALYSIS YEAR)**

Truck Emission Rates - Without Mitigation							
Source	Trucks Per Day	VMT <sup>a</sup> (miles/day)	Truck Emission Rate <sup>b</sup> (grams/mile)	Truck Emission Rate <sup>b</sup> (grams/idle-hour)	Daily Truck Emissions <sup>c</sup> (grams/day)	TRU Emissions (grams/day) <sup>d</sup>	Modeled Emission Rates (g/second)
On-Site Idling - Loading Docks	108			0.1242	3.37	146.108	1.730E-03
On-Site Idling - Trailer Parking	108			0.1242	1.12	0.000	1.300E-05
On-Site Travel	217	46.88	0.0263		1.23	6.122	8.511E-05
Off-Site Travel - Spreckels Ave. 71.12% Inbound/Outbound	154	67.52	0.0109		0.74	1.763	2.895E-05
Off-Site Travel - Spreckels Ave. 37.93% Inbound/Outbound	82	113.24	0.0109		1.24	2.957	4.855E-05
Off-Site Travel - Mofatt Blvd. 9.27% Inbound/Outbound	20	22.02	0.0109		0.24	0.575	9.441E-06
Off-Site Travel - Mofatt Blvd. 23.92% Inbound/Outbound	52	88.10	0.0109		0.96	2.301	3.777E-05
Off-Site Travel - Spreckels Ave. 28.89% Inbound/Outbound	63	25.70	0.0109		0.28	0.671	1.102E-05
Off-Site Travel - Yosemite Ave. 3.40% Inbound/Outbound	7	7.36	0.0109		0.08	0.192	3.156E-06
Off-Site Travel - Yosemite Ave. 24.22% Inbound/Outbound	53	22.51	0.0109		0.25	0.588	9.651E-06
Off-Site Travel - Spreckels Ave. 1.27% Inbound/Outbound	3	0.67	0.0109		0.01	0.018	2.880E-07

<sup>a</sup> Vehicle miles traveled are for modeled truck route only.  
<sup>b</sup> Emission rates determined using EMFAC 2021. Idle emission rates are expressed in grams per idle hour rather than grams per mile.  
<sup>c</sup> This column includes the total truck travel and truck idle emissions. For idle emissions this column includes emissions based on the assumption that each truck idles for 15 minutes at loading docks and 5 minutes at trailer parking areas.  
<sup>d</sup> This column assumes each TRU operates at building loading docks for 2.1 hours.

Truck Emission Rates - With Mitigation							
Source	Trucks Per Day	VMT <sup>a</sup> (miles/day)	Truck Emission Rate <sup>b</sup> (grams/mile)	Truck Emission Rate <sup>b</sup> (grams/idle-hour)	Daily Truck Emissions <sup>c</sup> (grams/day)	TRU Emissions (grams/day) <sup>d</sup>	Modeled Emission Rates (g/second)
On-Site Idling - Loading Docks	108			0.1242	3.37	35.420	4.490E-04
On-Site Idling - Trailer Parking	108			0.1242	1.12	0.000	1.300E-05
On-Site Travel	217	46.88	0.0263		1.23	6.122	8.511E-05
Off-Site Travel - Spreckels Ave. 71.12% Inbound/Outbound	154	67.52	0.0109		0.74	1.763	2.895E-05
Off-Site Travel - Spreckels Ave. 37.93% Inbound/Outbound	82	113.24	0.0109		1.24	2.957	4.855E-05
Off-Site Travel - Mofatt Blvd. 9.27% Inbound/Outbound	20	22.02	0.0109		0.24	0.575	9.441E-06
Off-Site Travel - Mofatt Blvd. 23.92% Inbound/Outbound	52	88.10	0.0109		0.96	2.301	3.777E-05
Off-Site Travel - Spreckels Ave. 28.89% Inbound/Outbound	63	25.70	0.0109		0.28	0.671	1.102E-05
Off-Site Travel - Yosemite Ave. 3.40% Inbound/Outbound	7	7.36	0.0109		0.08	0.192	3.156E-06
Off-Site Travel - Yosemite Ave. 24.22% Inbound/Outbound	53	22.51	0.0109		0.25	0.588	9.651E-06
Off-Site Travel - Spreckels Ave. 1.27% Inbound/Outbound	3	0.67	0.0109		0.01	0.018	2.880E-07

<sup>a</sup> Vehicle miles traveled are for modeled truck route only.  
<sup>b</sup> Emission rates determined using EMFAC 2021. Idle emission rates are expressed in grams per idle hour rather than grams per mile.  
<sup>c</sup> This column includes the total truck travel and truck idle emissions. For idle emissions this column includes emissions based on the assumption that each truck idles for 15 minutes at loading docks and 5 minutes at trailer parking areas.  
<sup>d</sup> This column assumes each TRU operates at building loading docks for 30 minutes.

On-site truck idling was estimated to occur as trucks enter and travel through the Project site. Although the Project's diesel-fueled truck and equipment operators will be required by State law to comply with CARB's idling limit of 5 minutes, staff at South Coast Air Quality Management District (SCAQMD) recommends that the on-site idling emissions be calculated assuming 15 minutes of truck idling (8), which would take into account on-site idling which occurs while the trucks are waiting to pull up to the truck bays, idling at the bays, idling at check-in and check-out, etc. As such, this analysis calculates truck idling at 15 minutes, consistent with SCAQMD's recommendation. Truck idling at trailer parking areas was assumed to occur over a period of 5 minutes. Even though the Project is not within the jurisdiction of the SCAQMD, these recommendations are relevant for CEQA purposes since SJVAPCD does not provide similar guidance.

As summarized in the *Proposed Warehouse 407 Spreckels Avenue Traffic Study*, at buildout the proposed Project is expected to generate a total of approximately 614 vehicular trips-ends per day (actual vehicles) which includes 217 two-way truck trips per day (9).

### **2.3.2 TRANSPORT REFRIGERATION UNIT (TRU) EMISSIONS**

In order to account for the possibility of refrigerated uses, trucks associated with the cold-storage land use are assumed to also have TRUs. For modeling purposes, all 217 two-way truck trips have been estimated to include TRUs. TRUs are accounted for during on-site and off-site travel. The TRU calculations are based on OFFROAD Model version 2021 (OFFROAD 2021), developed by CARB. OFFROAD 2021 does not provide emission rates per hour or mile as with the on-road emission model and only provides emission inventories. Emission results are produced in tons per day while all activity, fuel consumption, and horsepower hours were reported at annual levels. The emission inventory is based on specific assumptions including the average horsepower rating of specific types of equipment and the hours of operation annually. These assumptions are not always consistent with assumptions used in the modeling of project level emissions. Therefore, the emissions inventory was converted into emission rates to accurately calculate emissions from TRU operation associated with project level details. This was accomplished by converting the annual horsepower hours to daily operational characteristics and converting the daily emission levels into hourly emission rates based on the total emission of each criteria pollutant by equipment type and the average daily hours of operations.

### **2.3.3 EMERGENCY ENGINES**

The proposed Project was conservatively assumed to include installation of a 300 horsepower diesel-powered emergency fire pump and a 700 horsepower diesel-powered emergency generator. The emergency engines were each estimated to operate for up to 1 hour per day, 1 day per week for up to 50 hours per year for maintenance and testing purposes. Emissions associated with the two stationary emergency diesel-powered emergency engines were calculated using CalEEMod. Each emergency engine was modeled in AERMOD as point source, and because specific engine data is not known at this time, release parameters from the California Air Pollution Control Officers Association Facility Prioritization Guidelines were utilized (10).

## 2.4 EXPOSURE QUANTIFICATION

The analysis herein has been conducted in accordance with the guidelines in the Guidance for Addressing and Mitigating Air Quality Impacts (1). The U.S. EPA's AERMOD model has been utilized. For purposes of this analysis, the Lakes AERMOD View (Version 12.0.0) was used to calculate annual average particulate concentrations associated with site operations. Lakes AERMOD View was utilized to incorporate the U.S. EPA's latest AERMOD Version 23132 (11).

The model offers additional flexibility by allowing the user to assign an initial release height and vertical dispersion parameters for mobile sources representative of a roadway. For this HRA, the roadways were modeled as adjacent volume sources. Roadways were modeled using the U.S. EPA's haul route methodology for modeling of on-site and off-site truck movement. More specifically, the Haul Road Volume Source Calculator in Lakes AERMOD View has been utilized to determine the release height parameters. Based on the US EPA methodology, the Project's modeled sources would result in a release height of 3.49 meters, an initial lateral dimension of 4.0 meters, and an initial vertical dimension of 3.25 meters.

Model parameters are presented in Table 2-5. As noted below, the analysis utilized the regulatory default options for modeling. The model requires additional input parameters including emission data and local meteorology. Meteorological data from the Modesto monitoring station was used to represent local weather conditions and prevailing winds (12).

**TABLE 2-5: AERMOD MODEL PARAMETERS**

Regulatory Options	Default
Dispersion Coefficient (Urban/Rural)	Urban (population 62,651)
Terrain (Flat/Elevated)	Elevated (Regulatory Default)
Averaging Time	Period (5-year Meteorological Data Set)
Receptor Height	0 meters (Regulatory Default)
Meteorological Data	Modesto (2018-2022)
Output Type	Concentration

Universal Transverse Mercator (UTM) coordinates for World Geodetic System (WGS) 84 were used to locate the Project site boundaries, each volume source location, and receptor locations in the Project site's vicinity. The AERMOD dispersion model summary output files for the proposed Project are presented in Appendices 2.3 and 2.4. Modeled sensitive receptors were placed at residential and non-residential locations.

Receptors may be placed at applicable structure locations for residential and worker locations and not necessarily the boundaries of the properties containing these uses because the human receptors (residents and workers) spend a majority of their time at the residence or in the workplace's building, and not on the property line. It should be noted that the primary purpose of receptor placement is focused on long-term exposure. For example, the HRA evaluates the potential health risks to residents, workers, and school children over a period of 70, 40, and 9 years of exposure, respectively. Notwithstanding, as a conservative measure, receptors were placed at either the outdoor living area or the building façade, whichever is closer to the Project site.

For purposes of this HRA, receptors include both residential and non-residential (worker and school) land uses in the vicinity of the Project. These receptors are included in the HRA since residents, workers, and school children may be exposed at these locations over a long-term duration of 70, 40, and 9 years, respectively. This methodology is consistent with SJVAPCD and Office of Environmental Health Hazard Assessment (OEHHA) recommended guidance.

Any impacts to residents or workers located further away from the Project site than the modeled residential and workers would have a lesser impact than what has already been disclosed in the HRA at the MEIR, MEIW, and MEISC because concentrations dissipate with distance.

All receptors were set to existing elevation height so that only ground-level concentrations are analyzed. United States Geological Survey (USGS) Digital Elevation Model (DEM) terrain data based on a 7.5-minute topographic quadrangle map series using AERMAP was utilized in the HRA modeling to set elevations (13).

Discrete variants for daily breathing rates, exposure frequency, and exposure duration were obtained from relevant distribution profiles presented in the 2015 OEHHA Guidelines. Tables 2-6 through 2-9 summarize the Exposure Parameters for residents, workers, and school children based on 2015 OEHHA Guidelines. Appendix 2.5 includes the detailed risk calculation.

## 2.5 CARCINOGENIC CHEMICAL RISK

Excess cancer risks are estimated as the upper-bound incremental probability that an individual will develop cancer over a lifetime as a direct result of exposure to potential carcinogens over a specified exposure duration. The estimated risk is expressed as a unitless probability. The cancer risk attributed to a chemical is calculated by multiplying the chemical intake or dose at the human exchange boundaries (e.g., lungs) by the chemical-specific cancer potency factor (CPF). A risk level of 20 in one million implies a likelihood that up to 20 people, out of one million equally exposed people would contract cancer if exposed continuously (24 hours per day) to the levels of toxic air contaminants over a specified duration of time.

**TABLE 2-6: EXPOSURE ASSUMPTIONS FOR INDIVIDUAL CANCER RISK (CONSTRUCTION ACTIVITY)**

Age	Daily Breathing Rate (L/kg-day)	Age Specific Factor	Exposure Duration (years)	Fraction of Time at Home	Exposure Frequency (days/year)	Exposure Time (hours/day)
0 to 2	1,090	10	0.85	1.00	221	8

**TABLE 2-7: EXPOSURE ASSUMPTIONS FOR INDIVIDUAL CANCER RISK (70 YEAR RESIDENTIAL)**

Age	Daily Breathing Rate (L/kg-day)	Age Specific Factor	Exposure Duration (years)	Fraction of Time at Home	Exposure Frequency (days/year)	Exposure Time (hours/day)
-0.25 to 0	361	10	0.25	0.85	350	24
0 to 2	1,090	10	2	0.85	350	24
2 to 16	745	3	14	0.72	350	24
16 to 70	290	1	53.75	0.73	350	24

**TABLE 2-8: EXPOSURE ASSUMPTIONS FOR INDIVIDUAL CANCER RISK (40 YEAR WORKER)**

Age	Daily Breathing Rate (L/kg-day)	Age Specific Factor	Exposure Duration (years)	Exposure Frequency (days/year)	Exposure Time (hours/day)
16 to 56	230	1	40	250	12

**TABLE 2-9: EXPOSURE ASSUMPTIONS FOR INDIVIDUAL CANCER RISK (9 YEAR SCHOOL CHILD)**

Age	Daily Breathing Rate (L/kg-day)	Age Specific Factor	Exposure Duration (years)	Exposure Frequency (days/year) <sup>a</sup>	Exposure Time (hours/day)
4 to 13	745	3	9	180	12

<sup>a</sup> To represent the unique characteristics of the school-based population, the assessment employed the U.S. Environmental Protection Agency's guidance to develop viable dose estimates based on reasonable maximum exposures (RME). RME's are defined as the "highest exposure that is reasonably expected to occur" for a given receptor population. As a result, lifetime risk values for the student population were adjusted to account for an exposure duration of 180 days per year for nine (9) years. The 9 year exposure duration is also consistent with OEHHA Recommendations and consistent with the exposure duration utilized in school-based risk assessments for various schools within the Los Angeles County Unified School District (LAUSD) that have been accepted by the SCAQMD.

Guidance from CARB and the California EPA, OEHHA recommends a refinement to the standard point estimate approach when alternate human body weights and breathing rates are utilized to assess risk for susceptible subpopulations such as children. For the inhalation pathway, the procedure requires the incorporation of several discrete variates to effectively quantify dose. Once determined, contaminant dose is multiplied by the CPF in units of inverse dose expressed in milligrams per kilogram per day (mg/kg/day)-1 to derive the cancer risk estimate. Therefore, to assess exposures, the following dose algorithm was utilized.

$$DOSE_{AIR} = \left( C_{AIR} \times \frac{BR}{BW} \times A \times EF \right) \times (1 \times 10^{-6})$$

Where:

$DOSE_{AIR}$  = chronic daily intake (mg/kg/day)

$C_{AIR}$  = concentration of contaminant in air ( $\mu\text{g}/\text{m}^3$ )

$\frac{BR}{BW}$	=	daily breathing rate normalized to body weight (L/kg BW-day)
$A$	=	inhalation absorption factor
$EF$	=	exposure frequency (days/365 days)
$BW$	=	body weight (kg)
$1 \times 10^{-6}$	=	conversion factors ( $\mu\text{g}$ to $\text{mg}$ , L to $\text{m}^3$ )

$$RISK_{AIR} = DOSE_{AIR} \times CPF \times ASF \times FAH \times \frac{ED}{AT}$$

Where:

$DOSE_{AIR}$	=	chronic daily intake (mg/kg/day)
$CPF$	=	cancer potency factor
$ASF$	=	age sensitivity factor
$FAH$	=	fraction of time at home
$ED$	=	number of years within particular age group
$AT$	=	averaging time

## 2.6 NON-CARCINOGENIC EXPOSURES

An evaluation of the potential noncarcinogenic effects of chronic exposures was also conducted. Adverse health effects are evaluated by comparing a compound's annual concentration with its toxicity factor or REL. The REL for diesel particulates was obtained from OEHHA for this analysis. The chronic REL for DPM was established by OEHHA as  $5 \mu\text{g}/\text{m}^3$  (14).

The relationship for the non-cancer health effects of DPM is given by the following equation:

$$HI_{DPM} = \frac{C_{DPM}}{REL_{DPM}}$$

Where:

$HI_{DPM}$	=	Hazard index (unitless)
$C_{DPM}$	=	Annual average DPM concentration ( $\mu\text{g}/\text{m}^3$ )
$REL_{DPM}$	=	REL for DPM (the DPM concentration at which no adverse health effects are anticipated).



## 2.7 POTENTIAL PROJECT-RELATED DPM SOURCE CANCER AND NON-CANCER RISKS

### CONSTRUCTION IMPACTS

The land use with the greatest potential exposure to Project construction DPM source emissions is Location R4 which is located immediately to the west of the Project site at the existing residence at 332 Cowell Avenue. Receptor R4 is placed in the private outdoor living areas (backyard) facing the Project site. At the maximally exposed individual receptor (MEIR), the maximum incremental cancer risk attributable to Project construction DPM source emissions is estimated at 3.02 in one million, which is less than the San Joaquin Valley Air Pollution Control District (SJVAPCD) significance threshold of 20 in one million. At this same location, non-cancer risks were estimated to be  $\leq 0.01$ , which would not exceed the applicable threshold of 1.0. Because all other modeled residential receptors are located at a greater distance from the Project site and are exposed to lesser concentrations of DPM than the MEIR analyzed herein, and TACs generally dissipate with distance from the source, all other residential receptors in the vicinity of the Project site would be exposed to less emissions and therefore less risk than MEIR identified herein. The nearest modeled receptors are illustrated in Exhibit 2-D.

### OPERATIONAL IMPACTS

#### Residential Exposure Scenario:

The residential land use with the greatest potential exposure to Project DPM source emissions is Location R4 which is located immediately to the west of the Project site at the existing residence at 332 Cowell Avenue. Receptor R4 is placed in the private outdoor living areas (backyard) facing the Project site. At the MEIR, the maximum incremental cancer risk attributable to Project DPM source emissions is estimated at 35.92 in one million without mitigation, which would exceed the SJVAPCD significance threshold of 20 in one million. With mitigation, the maximum incremental cancer risk at the MEIR is estimated at 10.90 in one million, which would not exceed the SJVAPCD significance threshold of 20 in one million. At this same location, non-cancer risks were estimated to be 0.04 without mitigation and 0.01 with mitigation, neither of which would exceed the applicable significance threshold of 1.0. Because all other modeled residential receptors are located at a greater distance from the Project site and primary truck routes and are exposed to lesser concentrations of DPM than the MEIR analyzed herein, and TACs generally dissipate with distance from the source, all other residential receptors in the vicinity of the Project site would be exposed to less emissions and therefore less risk than the MEIR identified herein. As such, with mitigation the Project will not cause a significant human health or cancer risk to nearby residences. The nearest modeled receptors are illustrated in Exhibit 2-D.

#### Worker Exposure Scenario<sup>3</sup>:

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<sup>3</sup> SJVAPCD guidance does not require assessment of the potential health risk to on-site workers. Excerpts from the document OEHHA Air Toxics Hot Spots Program Risk Assessment Guidelines—The Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments (OEHHA 2003), also indicate that it is not necessary to examine the health effects to on-site workers unless required by RCRA (Resource Conservation and Recovery Act) / CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act) or the worker resides on-site.

The worker receptor land use with the greatest potential exposure to Project DPM source emissions is Location R6, which represents the adjacent potential worker receptor approximately 116 feet south of the Project site. At the maximally exposed individual worker (MEIW), the maximum incremental cancer risk impact is 10.06 in one million without mitigation and 3.18 with mitigation, both of which are less than the SJVAPCD threshold of 20 in one million. Maximum non-cancer risks at this same location were estimated to be  $\leq 0.01$  with and without mitigation, which would not exceed the applicable significance threshold of 1.0. Because all other modeled worker receptors are located at a greater distance and would experience lower concentrations of DPM than the MEIW analyzed herein, and DPM dissipates with distance from the source, all other worker receptors in the vicinity of the Project would be exposed to less emissions and therefore less risk than the MEIW identified herein. As such, the Project will not cause a significant human health or cancer risk to adjacent workers. The nearest modeled receptors are illustrated in Exhibit 2-D.

School Child Exposure Scenario:

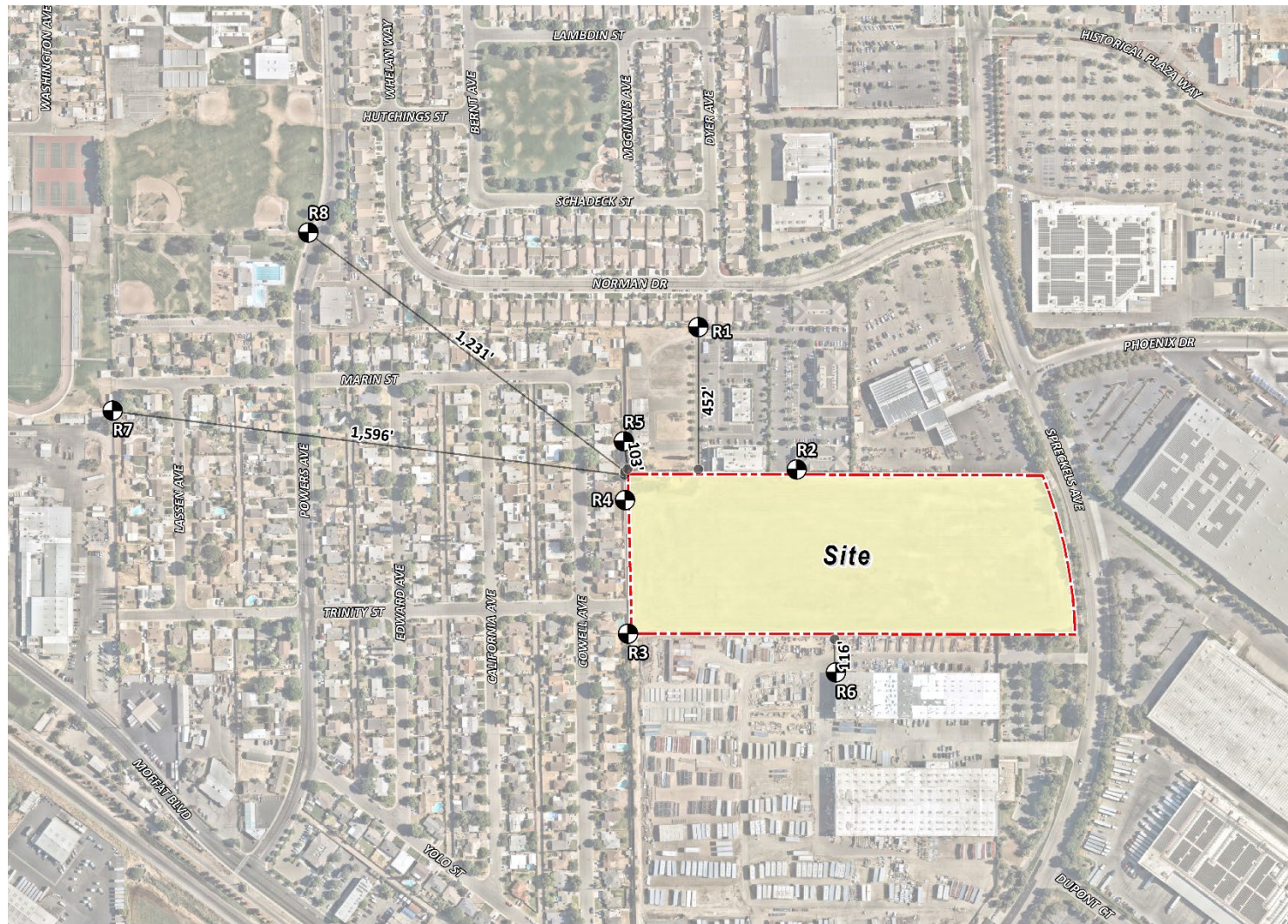
The nearest school and location of the maximally exposed individual school child (MEISC) is Lincoln Elementary School, located approximately 1,231 feet northwest of the Project site. At the MEISC, the maximum incremental cancer risk impact attributable to the Project is calculated to be 1.68 in one million without mitigation and 0.52 in one million with mitigation, both of which are less than the significance threshold of 20 in one million. At this same location, non-cancer risks attributable to the Project were calculated to be  $\leq 0.01$  with and without mitigation, which would not exceed the applicable significance threshold of 1.0. Because all other modeled school receptors would be exposed to lower concentrations of DPM, all other school receptors in the vicinity of the Project would be exposed to less emissions and therefore less risk than the MEISC identified herein.



**CONSTRUCTION AND OPERATIONAL IMPACTS**

The land use with the greatest potential exposure to Project construction and operational DPM source emissions is Location R4. At the MEIR, the maximum incremental cancer risk attributable to Project construction and operational DPM source emissions is estimated at 33.15 in one million without mitigation, which would exceed the SJVAPCD threshold of 20 in one million. With mitigation, the combined construction and operational cancer risk is reduced to 12.16 in one million, which would not exceed the SJVAPCD threshold of 20 in one million. At this same location, non-cancer risks were estimated to be 0.04 without mitigation and 0.02 with mitigation, neither of which would exceed the applicable threshold of 1.0. All other receptors during construction and operational activity would experience less risk than what is identified for this location. The nearest modeled receptors are illustrated in Exhibit 2-D.

It should be noted that for clarity purposes, the receptors presented in Exhibit 2-D do not represent all modeled receptors and instead presents the nearest receptors that would experience the highest pollutant concentrations. A total of 119 receptors were modeled in the analysis. Appendix 2.6 presents a figure detailing the locations of all receptors as modeled in AERMOD.

EXHIBIT 2-D: RECEPTOR LOCATIONS



- LEGEND:**
-  Receptor Locations
  -  Distance from receptor to Project site boundary (in feet)

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### 3 CUMULATIVE HEALTH RISKS

#### 3.1 BACKGROUND

The purpose of this section is to provide additional background and analysis of the potential cumulative health risk impacts resulting from any existing and proposed warehouse uses in the vicinity of the proposed Project.

#### 3.2 HEALTH RISK FROM CUMULATIVE CRITERIA POLLUTANTS

SCAQMD and the San Joaquin Valley Unified Air Pollution Control District (SJVAPCD) filed Amicus Curiae Briefs (amicus briefs) in *Sierra Club v. County of Fresno* (2018) 6 Cal.5th 502 (*Friant Ranch*) (15) (16). In both amicus briefs, SCAQMD and SJVAPCD provided technical explanations as to why it may not be feasible or reliable for a project to relate the expected adverse air quality impacts to likely health consequences.

As summarized below, for the reasons set forth in the SCAQMD and SJVAPCD amicus briefs, the proposed Project's significant cumulative air quality impacts currently cannot feasibly be related to likely health consequences in an accurate or reliable manner. Although methods are being developed to determine health effects from large regional scale projects, the technical demands to feasibly and accurately relate the adverse air quality impacts to likely health consequences are too high for this Project at this time. The technical challenges are listed below, with the SCAQMD and SJVAPCD amicus briefs providing support on the findings for the Project:

- Ozone is not formed at the location of sources/emissions, which necessitates the use of complex and more sophisticated modeling that is not reasonably feasible for the proposed Project at this time. "For the so-called criteria pollutants, such as ozone, it may be more difficult to quantify health impacts. Ozone is formed in the atmosphere from the chemical reaction of the nitrogen oxides (NOx) and volatile organic compounds (VOC) in the presence of sunlight... It takes time and the influence of meteorological conditions for these reactions to occur, so ozone may be formed at a distance downwind from the sources." [SCAQMD brief, p.11]
- The quantity of precursor emissions is not proportional to local ozone and secondary PM concentration, which necessitates the use of complex and more sophisticated modeling that is not reasonably feasible for the proposed Project at this time. "Ground level ozone (smog) is not directly emitted into the air, but is formed when precursor pollutants such as oxides of nitrogen (NOx) and volatile organic compounds (VOCs) are emitted into the atmosphere and undergo complex chemical reactions in the process of sunlight. Once formed, ozone can be transported long distances by wind. Because of the complexity of ozone formation, a specific tonnage amount of NOx or VOCs emitted in a particular area does not equate to a particular concentration of ozone in that area." [SJVAPCD brief, p.4]
- "Secondary PM, like ozone, is formed via complex chemical reactions in the atmosphere between precursor chemicals such as sulfur dioxides (SOx) and NOx.

Because of the complexity of secondary PM formation, the tonnage of PM-forming precursor emissions in an area does not necessarily result in an equivalent concentration of secondary PM in that area.” [SJVAPCD brief, p.5]

- Emissions do not cause health effects – it is the resulting concentration of criteria pollutants, which is influenced by sunlight, complex reactions, and transport, which necessitates the use of complex and more sophisticated modeling that is not reasonably feasible for this Project at this time. “The disconnect between the tonnage of precursor pollutants (NO<sub>x</sub>, SO<sub>x</sub> and VOCs) and the concentration of ozone or PM formed is important because it is not necessarily the tonnage of precursor pollutants that causes human health effects, but the concentration of resulting ozone or PM.” [SJVAPCD brief, p.5]
- Currently available modeling tools are appropriate for regional evaluations, but not individual projects like the proposed Project. “For instance, the computer models used to simulate and predict an attainment date for the ozone or particulate matter NAAQS in the San Joaquin Valley are based on regional inputs, such as regional inventories of precursor pollutants (NO<sub>x</sub>, SO<sub>x</sub> and VOCs) and the atmospheric chemistry and meteorology of the Valley... the models simulate future ozone or PM levels based on predicted changes in precursor emissions Valley wide... The goal of these modeling exercises is not to determine whether the emissions generated by a particular factory or development project will affect the date that the Valley attains the NAAQS. Rather, the Air District’s modeling and planning strategy is regional in nature and based on the extent to which all of the emission-generating sources in the Valley (current and future) must be controlled in order to reach attainment.” [SJVAPCD brief, p.6-7]. “Thus, the CEQA air quality analysis for criteria pollutants is not really a localized, project level impact analysis but one of regional, “cumulative impacts.”” [SJVAPCD brief, p.8] “...the currently available modeling tools are equipped to model the impact of all emission sources in the Valley on attainment... Running the photochemical grid model used for predicting ozone attainment with the emissions solely from the Friant Ranch project (which equate to less than one-tenth of one percent of the total NO<sub>x</sub> and VOC in the Valley) is not likely to yield valid information given the relative scale involved.” [SJVAPCD brief, p.9-10]
- SJVAPCD indicates that it is currently impossible to accurately correlate project level emissions to specific health impacts. “Finally, even once a model is developed to accurately ascertain local increases in concentrations of photochemical pollutants like ozone and some particulates, it remains impossible, using today’s models, to correlate that increase in concentration to a specific health impact. The reason is the same: such models are designed to determine regional, population-wide health impacts, and simply are not accurate when applied at the local level.” [SJVAPCD brief, p.10]
- SCAQMD highlights that CARB indicated that a CARB methodology of analysis for PM<sub>2.5</sub> health impacts is not suited for a project such as this one. “Also, the California Air Resources Board (CARB) has developed a methodology that can predict expected mortality (premature deaths) from large amounts of PM<sub>2.5</sub>... SCAQMD used the CARB



methodology to predict impacts from three very large power plants (e.g., 731-1837 lbs/day). Again, this project involved large amounts of additional PM<sub>2.5</sub> in the District, up to 2.82 tons/day (5,650 lbs/day of PM<sub>2.5</sub>, or 1,029 tons/year... However, the primary author of the CARB methodology has reported that this PM<sub>2.5</sub> health impact methodology is not suited for small projects and may yield unreliable results due to various uncertainties." "Among these uncertainties are the representativeness of the population used in the methodology, and the specific source of PM and the corresponding health impacts." [SCAQMD brief, p.14]. For the proposed Project at buildout, the maximum operational emissions of PM<sub>2.5</sub> are 0.64 tons/year (4). This is 0.06% of the emissions that were used in the CARB methodology.

- The development of new technical approaches in the future may change the feasibility determination. To date, SCAQMD has not developed or approved a method to predict health impacts from criteria pollutants. "Moreover, what is reasonably feasible may change over time as scientists and regulatory agencies continually seek to improve their ability to predict health impacts. For example, CARB staff has been directed by its Governing Board to reassess and improve the methodology for estimating premature deaths." [SCAQMD brief, p.16]

For the reasons set forth above, it is not currently feasible to relate the Project's air quality impacts to likely health consequences. Both SCAQMD and SJVACPD are responsible for assessing ozone and PM impacts regionally, and the potential health consequences from those on a regional basis. The current evaluation on the limitations and uncertainties of existing tools is consistent with SCAQMD and SJVAPCD findings. Currently available regional modeling tools are not designed to capture changes in pollutant concentrations for this Project that would be meaningful. This is due in part to a relatively coarse spatial resolution (e.g., greater than 4-kilometer x 4 kilometer) which makes it speculative to discern local project impacts on air quality.

### **3.3 EXISTING CONDITIONS FOR TOXIC EMISSIONS**

There are no state or federal ambient air quality standards applicable to TAC emissions. Preparing a cumulative assessment for TACs is complicated by the fact that site-specific impacts can be far different from average impacts over a larger geographic area. Impacts from TAC emissions are highest closest to sources of TACs, but the sources are often spread over a large area. For example, emissions from diesel engines, the largest source of risk from TACs, are generated on roads, businesses, and construction sites throughout the air basin. Locations where large numbers of TAC sources are concentrated such as freeways, rail yards, and ports may pose a higher level of risk to sensitive receptors near these facilities. Examination of the risk from TACs at national, state, regional, and local levels is useful for providing context, but site-specific evaluation is ultimately necessary to determine existing conditions for development projects.

### **3.4 AMBIENT TAC IMPACTS PRESUMED TO BE CUMULATIVELY SIGNIFICANT**

CARB has conducted an in-depth periodic analysis of toxic air contaminants and their resulting health risks within the air basin. This study, the California Air Toxics Assessment (CATA), shows

that cancer risk has decreased by approximately 55% between 2012 and 2017 within the San Joaquin Valley Air Basin (17).

CATA is the most comprehensive dataset documenting the ambient air toxic levels and health risks associated with San Joaquin Valley Air Basin emissions. Therefore, the CATA study represents the regional baseline health risk in the San Joaquin Valley Air Basin. The available scientific data from CARB shows that although there has been tremendous growth basin-wide, risk levels have declined. The decline in emissions is likely due to existing regulatory requirements that have been implemented over the past 20 years. The CATA estimates that in the localized area (zip code) encompassing the Project site, the risk is approximately 504 incidents per million population.

In its *Guidance for Assessing and Mitigating Air Quality Impacts* (1) SJVAPCD has published guidance on how to address cumulative impacts from air pollution. In this report SJVAPCD states (Page 110):

*“Because impacts from TACs are localized and the thresholds of significance for TACs have been established at such a conservative level, risks over the individual thresholds of significance are also considered cumulatively significant. No other cumulative risk thresholds apply.*

In many ways, California’s Proposition 65, also called the Safe Drinking Water and Toxic Enforcement Act, which became law in 1986 can serve as a benchmark for cumulative risk assessment. Under Proposition 65, the law defines “no significant cancer risk” as a level of exposure that would cause no more than 1 extra case of cancer in 100,000 people or in other words 10 extra cases of cancer in 1,000,000 people over a 70-year lifetime (the same threshold recommended by SCAQMD). It should be noted that diesel exhaust (DE) or diesel particulate matter (DPM) is listed by the Office of Environmental Health Hazard Assessment (OEHHA) as a known carcinogen with respect to Proposition 65.

The U.S. EPA rules generally consider a cancer risk of 100 in one million at the community level to be within the acceptable range, and this level is considered by many lead agencies in California as a cumulative cancer risk threshold.<sup>4</sup>

### **3.4 JUSTIFICATION OF A GEOGRAPHIC SCOPE IN RISK ASSESSMENT**

Proximity to sources of toxics is critical to determining the impact. In traffic-related studies, the additional non-cancer health risk attributable to proximity was seen within 1,000 feet and was strongest within 300 feet. California freeway studies show about a 70-percent drop-off in particulate pollution levels at 500 feet. Based on CARB and SCAQMD emissions and modeling analyses, an 80-percent drop-off in pollutant concentrations is expected at approximately 1,000 feet from a distribution center.

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<sup>4</sup> Bay Area Air Quality Management District, Revised Draft Options and Justification Report, California Environmental Quality Act Thresholds of Significance. October 2009, p. 67 (noting that “the 100 in a million excess cancer cases is also consistent with the ambient cancer risk in the most pristine portions of the Bay Area based on the District’s recent regional modeling analysis.”)



The 1,000-foot evaluation distance is supported by research-based findings concerning TAC emission dispersion rates from roadways and large sources showing that emissions diminish substantially between 500 and 1,000 feet from emission sources.

Lastly, the Waters Bill (AB 3205) (H&SC Section, 42301.6 through 42301.9) addresses sources of hazardous air pollutants near schools and although not directly applicable to this project, this bill further evidences the propriety of considering hazardous emissions sources within a defined 1,000-foot radius. That is, pursuant to the Waters Bill, prior to approving an application for a permit to construct or modify a source which emits hazardous air emissions (i.e. DPM), which source is located within 1,000 feet from the outer boundary of a school site, the air pollution control officer shall prepare a public notice in which the proposed project or modification for which the application for a permit is made is fully described.

For assessing the cumulative impacts of a new source of TAC emissions associated with a project in combination with existing sources and probable future sources, a project radius is necessary. Assessment of impacts from existing sources within 1,000 feet (zone of influence) of the new source in combination with risks and hazards from the new source is recommended. Then, once the location of the maximally impacted receptor is identified for the project, cumulative impacts from other sources within the radius of the project (i.e., not the receptor) are assessed at that location. Assessments should sum individual hazards or risks to find the cumulative impact at the location of the maximally impacted receptor from the new source.

More recent studies suggest that in light of emission reductions due to tightening emission standards over the past twenty years, this 1,000-foot siting distance is overly conservative. Modeling performed for the 2021 report *Evaluating Siting Distances for New Sensitive Receptors Near Warehouses*, prepared by the Ramboll Group, demonstrates a significant reduction in DPM emissions and risk between year 2000 emissions (which were utilized by CARB in establishing its recommended siting guidance of 1,000 feet) and 2023 (18). This reduction is attributed to a significant reduction in DPM emission rates from trucks and TRUs resulting from the adoption of increasingly stringent emission standards. This reduction in DPM emission rates has resulted in a corresponding significant reduction in risk as well, despite increasingly conservative regulatory guidance in the preparation of HRAs, particularly OEHHHA's adoption of age sensitivity factors in their revised HRA guidance released in 2015.

### **3.5 CUMULATIVE TAC IMPACTS**

As noted above, SJVAPCD does not currently have a separate methodology or threshold to evaluate a project's contribution to cumulative cancer risk. Instead, "...risks over the individual thresholds of significance are also considered cumulatively significant."

As explained in Section 2.7 above, with implementation of MMs HRA-1 through HRA-3, the Project would not exceed the SJVAPCD project-specific significance threshold of an excess cancer risk of 20 in one million and would therefore not have a cumulatively considerable health risk impact.

It should be noted that because the Project vicinity is considered to be built out, there are no current or approved cumulative developments identified in the Project traffic study. It should be

noted that the stacking of emissions from other projects in the vicinity of the Project site is overly conservative and not appropriate due to the localized nature of impacts from DPM. Nonetheless, in order to conservatively assess the potential cumulative health risk associated with other industrial/warehouse facilities located within 1,000 feet of the proposed Project site and Project truck routes, which is consistent with guidance provided by the Bay Area Air Quality Management District (BAAQMD) (19). The facilities listed in Table 3-1 were identified to be within 1,000 feet of the proposed Project site or Project truck routes. These projects represent a total of approximately 2,145,364 square feet of industrial/warehouse space.

**TABLE 3-1: CUMULATIVE INDUSTRIAL/WAREHOUSE FACILITIES**

Facility Address	Facility Size (TSF)
1260 Phoenix Drive	608.500
600 Spreckels Avenue	552.467
730 Spreckels Avenue	350.415
900 Spreckels Avenue	253.560
1205 Moffat Boulevard	266.780
800 Mellon Avenue	52.416
757 Mellon Avenue	61.226
Total	2,145.364

Based on the Institute of Transportation Engineers (ITE) Trip Generation Manual, 11th Edition ITE 150 rate, a combined 2,145,364 square feet of warehouse could generate approximately 856 daily truck trips. As such, these nearby facilities could generate approximately 856 additional combined daily truck trips that could comingle with the Project truck trips. These approximately 856 additional truck trips represent approximately 3.94 times the Project's total truck trip estimate of 217 truck trips. Therefore, it is estimated that these facilities could result in approximately 3.94 times the risk calculated for the Proposed Project, which would result in an additional risk of 42.95 per million. When combined with the proposed Project's estimated risk of 10.90 in one million with mitigation, the combined estimated cumulative cancer risk would be estimated at 53.85 in one million.

The maximum incremental cancer risk shown above for each project represents the risk at the maximally exposed individual receptor for each project, and it should be noted that each of these receptors would be in different locations. As such, the total cumulative cancer risk of 53.85 in one million is highly conservative, and the actual risk contributions from each project would be less than this combined value. Despite this conservative approach, the total cumulative cancer risk from the Project and past, present, and reasonably foreseeable future projects that also contribute to the impact is well below the BAAQMD and EPA's standard cumulative cancer risk threshold of 100 in one million.

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## 5 CERTIFICATIONS

The contents of this health risk assessment represent an accurate depiction of the impacts to sensitive receptors associated with the proposed Spreckels Distribution Center Project. The information contained in this health risk assessment report is based on the best available data at the time of preparation. If you have any questions, please contact me at (949) 660-1994.

Haseeb Qureshi  
Associate Principal  
URBAN CROSSROADS, INC.  
(949) 660-1994  
[hqureshi@urbanxroads.com](mailto:hqureshi@urbanxroads.com)

### EDUCATION

Master of Science in Environmental Studies  
California State University, Fullerton • May 2010

Bachelor of Arts in Environmental Analysis and Design  
University of California, Irvine • June 2006

### PROFESSIONAL AFFILIATIONS

AEP – Association of Environmental Professionals  
AWMA – Air and Waste Management Association  
ASTM – American Society for Testing and Materials

### PROFESSIONAL CERTIFICATIONS

Environmental Site Assessment – American Society for Testing and Materials • June 2013  
Planned Communities and Urban Infill – Urban Land Institute • June 2011  
Indoor Air Quality and Industrial Hygiene – EMSL Analytical • April 2008  
Principles of Ambient Air Monitoring – California Air Resources Board • August 2007  
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## **APPENDIX 2.1:**

### **CALEEMOD OUTPUTS**



# 15639 Spreckels Distribution Center Construction Detailed Report

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# 1. Basic Project Information

## 1.1. Basic Project Information

Data Field	Value
Project Name	15639 Spreckels Distribution Center Construction
Construction Start Date	3/1/2025
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.40
Precipitation (days)	9.00
Location	37.79226630248337, -121.19957343281175
County	San Joaquin
City	Manteca
Air District	San Joaquin Valley APCD
Air Basin	San Joaquin Valley
TAZ	2132
EDFZ	4
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.26

## 1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Refrigerated Warehouse-No Rail	289	1000sqft	6.64	289,450	116,279	—	—	—
Parking Lot	5.52	Acre	5.52	0.00	0.00	—	—	—

### 1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

## 2. Emissions Summary

### 2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.19	1.86	14.1	22.8	0.04	0.52	1.30	1.83	0.48	0.32	0.80	—	5,093	5,093	0.19	0.22	7.06	5,171
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	50.9	50.4	33.7	34.7	0.07	1.39	2.83	4.22	1.28	1.02	2.30	—	8,009	8,009	0.32	0.27	0.23	8,043
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.40	5.17	10.2	14.4	0.02	0.39	0.88	1.27	0.36	0.23	0.59	—	3,309	3,309	0.11	0.13	1.74	3,352
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.99	0.94	1.86	2.63	< 0.005	0.07	0.16	0.23	0.07	0.04	0.11	—	548	548	0.02	0.02	0.29	555

### 2.2. Construction Emissions by Year, Unmitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	2.19	1.86	14.1	22.8	0.04	0.52	1.30	1.83	0.48	0.32	0.80	—	5,093	5,093	0.19	0.22	7.06	5,171

Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	50.9	50.4	33.7	34.7	0.07	1.39	2.83	4.22	1.28	1.02	2.30	—	8,009	8,009	0.32	0.27	0.23	8,043
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	5.40	5.17	10.2	14.4	0.02	0.39	0.88	1.27	0.36	0.23	0.59	—	3,309	3,309	0.11	0.13	1.74	3,352
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.99	0.94	1.86	2.63	< 0.005	0.07	0.16	0.23	0.07	0.04	0.11	—	548	548	0.02	0.02	0.29	555

### 3. Construction Emissions Details

#### 3.1. Site Preparation (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.04	0.88	7.67	7.42	0.01	0.55	—	0.55	0.51	—	0.51	—	1,046	1,046	0.04	0.01	—	1,050
Dust From Material Movement	—	—	—	—	—	—	0.41	0.41	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Off-Road Equipment	0.01	0.01	0.11	0.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	14.3	14.3	< 0.005	< 0.005	—	14.4
Dust From Material Movement	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.37	2.37	< 0.005	< 0.005	—	2.38
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.31	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	62.7	62.7	< 0.005	< 0.005	0.01	63.5
Vendor	< 0.005	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	28.3	28.3	< 0.005	< 0.005	< 0.005	29.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.88	0.88	< 0.005	< 0.005	< 0.005	0.89
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.39	0.39	< 0.005	< 0.005	< 0.005	0.41
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—



Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.15	0.15	< 0.005	< 0.005	< 0.005	0.15
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.06	0.06	< 0.005	< 0.005	< 0.005	0.07
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.3. Grading (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.30	3.62	33.5	29.1	0.07	1.39	—	1.39	1.28	—	1.28	—	7,770	7,770	0.32	0.06	—	7,797
Dust From Material Movement	—	—	—	—	—	—	2.67	2.67	—	0.98	0.98	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	0.18	1.65	1.44	< 0.005	0.07	—	0.07	0.06	—	0.06	—	383	383	0.02	< 0.005	—	385
Dust From Material Movement	—	—	—	—	—	—	0.13	0.13	—	0.05	0.05	—	—	—	—	—	—	—

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Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.30	0.26	< 0.005	0.01	—	0.01	0.01	—	0.01	—	63.4	63.4	< 0.005	< 0.005	—	63.7	
Dust From Material Movement	—	—	—	—	—	—	0.02	0.02	—	0.01	0.01	—	—	—	—	—	—	—	
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	0.06	0.06	0.06	0.62	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	125	125	< 0.005	0.01	0.01	127	
Vendor	0.01	< 0.005	0.15	0.05	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	113	113	< 0.005	0.02	0.01	118	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.34	6.34	< 0.005	< 0.005	0.01	6.43	
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.59	5.59	< 0.005	< 0.005	0.01	5.84	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.05	1.05	< 0.005	< 0.005	< 0.005	1.06	
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.92	0.92	< 0.005	< 0.005	< 0.005	0.97	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	

### 3.5. Building Construction (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.58	1.32	12.4	16.1	0.03	0.51	—	0.51	0.47	—	0.47	—	2,921	2,921	0.12	0.02	—	2,931
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.58	1.32	12.4	16.1	0.03	0.51	—	0.51	0.47	—	0.47	—	2,921	2,921	0.12	0.02	—	2,931
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.86	0.72	6.74	8.71	0.02	0.28	—	0.28	0.25	—	0.25	—	1,584	1,584	0.06	0.01	—	1,590
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.13	1.23	1.59	< 0.005	0.05	—	0.05	0.05	—	0.05	—	262	262	0.01	< 0.005	—	263

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.55	0.51	0.34	6.34	0.00	0.00	1.02	1.02	0.00	0.24	0.24	—	1,125	1,125	0.05	0.04	4.18	1,143	
Vendor	0.06	0.03	1.30	0.44	0.01	0.01	0.28	0.30	0.01	0.08	0.09	—	1,048	1,048	0.02	0.15	2.88	1,097	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.51	0.47	0.46	5.03	0.00	0.00	1.02	1.02	0.00	0.24	0.24	—	1,016	1,016	0.03	0.04	0.11	1,030	
Vendor	0.05	0.03	1.39	0.45	0.01	0.01	0.28	0.30	0.01	0.08	0.09	—	1,048	1,048	0.02	0.15	0.07	1,095	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.28	0.25	0.21	2.80	0.00	0.00	0.55	0.55	0.00	0.13	0.13	—	565	565	0.01	0.02	0.98	573	
Vendor	0.03	0.02	0.73	0.24	< 0.005	0.01	0.15	0.16	0.01	0.04	0.05	—	568	568	0.01	0.08	0.67	594	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.51	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	93.6	93.6	< 0.005	< 0.005	0.16	94.9	
Vendor	0.01	< 0.005	0.13	0.04	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	94.1	94.1	< 0.005	0.01	0.11	98.4	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	

### 3.7. Paving (2025) - Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.95	0.80	7.45	9.98	0.01	0.35	—	0.35	0.32	—	0.32	—	1,511	1,511	0.06	0.01	—	1,517
Paving	0.48	0.48	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.61	0.82	< 0.005	0.03	—	0.03	0.03	—	0.03	—	124	124	0.01	< 0.005	—	125
Paving	0.04	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.11	0.15	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	20.6	20.6	< 0.005	< 0.005	—	20.6
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.06	0.62	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	125	125	< 0.005	0.01	0.01	127
Vendor	0.01	0.01	0.23	0.07	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	170	170	< 0.005	0.03	0.01	178
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.6	10.6	< 0.005	< 0.005	0.02	10.7
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	14.0	14.0	< 0.005	< 0.005	0.02	14.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.75	1.75	< 0.005	< 0.005	< 0.005	1.77
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.31	2.31	< 0.005	< 0.005	< 0.005	2.42
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.9. Architectural Coating (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	0.17	1.18	1.52	< 0.005	0.04	—	0.04	0.03	—	0.03	—	178	178	0.01	< 0.005	—	179

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Architectural Coating	47.0	47.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.10	0.12	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	14.6	14.6	< 0.005	< 0.005	—	14.7
Architectural Coatings	3.86	3.86	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.42	2.42	< 0.005	< 0.005	—	2.43
Architectural Coatings	0.70	0.70	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.09	1.01	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	203	203	0.01	0.01	0.02	206
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	17.1	17.1	< 0.005	< 0.005	0.03	17.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.83	2.83	< 0.005	< 0.005	< 0.005	2.88
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

## 4. Operations Emissions Details

### 4.10. Soil Carbon Accumulation By Vegetation Type

#### 4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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



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

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

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

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

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

## 5. Activity Data

### 5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	2/1/2025	2/7/2025	5.00	5.00	—
Grading	Grading	2/8/2025	3/5/2025	5.00	18.0	—
Building Construction	Building Construction	3/6/2025	12/8/2025	5.00	198	—

Paving	Paving	10/28/2025	12/8/2025	5.00	30.0	—
Architectural Coating	Architectural Coating	10/28/2025	12/8/2025	5.00	30.0	—

## 5.2. Off-Road Equipment

### 5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Crawler Tractors	Diesel	Average	3.00	8.00	87.0	0.43
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Scrapers	Diesel	Average	3.00	8.00	423	0.48
Building Construction	Cranes	Diesel	Average	1.00	8.00	367	0.29
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Back hoes	Diesel	Average	4.00	8.00	84.0	0.37
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48

## 5.3. Construction Vehicles

### 5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—

Site Preparation	Worker	7.50	11.9	LDA,LDT1,LDT2
Site Preparation	Vendor	1.00	9.10	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	15.0	11.9	LDA,LDT1,LDT2
Grading	Vendor	4.00	9.10	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	122	11.9	LDA,LDT1,LDT2
Building Construction	Vendor	37.0	9.10	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	11.9	LDA,LDT1,LDT2
Paving	Vendor	6.00	9.10	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	24.3	11.9	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	9.10	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

## 5.4. Vehicles

### 5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

## 5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	434,175	144,725	14,427

## 5.6. Dust Mitigation

### 5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	—	—	7.50	0.00	—
Grading	—	—	72.0	0.00	—
Paving	0.00	0.00	0.00	0.00	5.52

### 5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	3	74%	74%

## 5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Refrigerated Warehouse-No Rail	0.00	0%
Parking Lot	5.52	100%

## 5.8. Construction Electricity Consumption and Emissions Factors

### kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2025	0.00	204	0.03	< 0.005

## 5.18. Vegetation

### 5.18.1. Land Use Change

#### 5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
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### 5.18.1. Biomass Cover Type

#### 5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
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### 5.18.2. Sequestration

#### 5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
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## 6. Climate Risk Detailed Report

### 6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	20.4	annual days of extreme heat
Extreme Precipitation	1.60	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about  $\frac{3}{4}$  an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

## 6.2. Initial Climate Risk Scores

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

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

## 6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A

Wildfire	N/A	N/A	N/A	N/A
Flooding	1	1	1	2
Drought	1	1	1	2
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

## 6.4. Climate Risk Reduction Measures

# 7. Health and Equity Details

## 7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	58.2
AQ-PM	55.3
AQ-DPM	81.4
Drinking Water	99.0
Lead Risk Housing	54.1
Pesticides	91.0
Toxic Releases	52.0
Traffic	73.5
Effect Indicators	—
CleanUp Sites	29.5
Groundwater	39.4



Haz Waste Facilities/Generators	58.8
Impaired Water Bodies	0.00
Solid Waste	22.1
Sensitive Population	—
Asthma	91.0
Cardio-vascular	94.3
Low Birth Weights	33.0
Socioeconomic Factor Indicators	—
Education	63.9
Housing	68.1
Linguistic	55.6
Poverty	78.1
Unemployment	76.1

## 7.2. Healthy Places Index Scores

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

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	28.03798281
Employed	15.32144232
Median HI	45.72051841
Education	—
Bachelor's or higher	10.07314256
High school enrollment	100
Preschool enrollment	56.79455922
Transportation	—
Auto Access	81.29090209
Active commuting	58.95034005

Social	—
2-parent households	41.93506993
Voting	53.79186449
Neighborhood	—
Alcohol availability	50.53252919
Park access	81.35506224
Retail density	58.05209804
Supermarket access	69.85756448
Tree canopy	69.03631464
Housing	—
Homeownership	50.03208007
Housing habitability	64.35262415
Low-inc homeowner severe housing cost burden	65.41768254
Low-inc renter severe housing cost burden	66.40574875
Uncrowded housing	34.15886052
Health Outcomes	—
Insured adults	53.66354421
Arthritis	12.5
Asthma ER Admissions	4.7
High Blood Pressure	18.2
Cancer (excluding skin)	27.6
Asthma	21.6
Coronary Heart Disease	15.5
Chronic Obstructive Pulmonary Disease	13.3
Diagnosed Diabetes	44.3
Life Expectancy at Birth	16.1
Cognitively Disabled	29.3
Physically Disabled	23.7

Heart Attack ER Admissions	9.3
Mental Health Not Good	31.0
Chronic Kidney Disease	35.4
Obesity	23.9
Pedestrian Injuries	74.3
Physical Health Not Good	32.6
Stroke	26.0
Health Risk Behaviors	—
Binge Drinking	30.9
Current Smoker	20.8
No Leisure Time for Physical Activity	33.2
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	25.4
Elderly	54.5
English Speaking	58.9
Foreign-born	25.7
Outdoor Workers	31.7
Climate Change Adaptive Capacity	—
Impervious Surface Cover	37.3
Traffic Density	74.0
Traffic Access	0.0
Other Indices	—
Hardship	73.6
Other Decision Support	—
2016 Voting	44.3

### 7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	89.0
Healthy Places Index Score for Project Location (b)	39.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

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

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

### 7.4. Health & Equity Measures

No Health & Equity Measures selected.

### 7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

### 7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

## 8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	Construction schedule based on data provided by the Project applicant.
Construction: Off-Road Equipment	Construction equipment estimated by the Project applicant.
Construction: Trips and VMT	Vendor trips apportioned to the site preparation, grading, building construction, and paving phases based on the duration of each phase.

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## **APPENDIX 2.2:**

### **EMFAC EMISSIONS SUMMARY**

Emissions	Phase	Lb/Day	# Days	Emissions	Avg/Lb Day	Avg/Hourly
On-Site	Site Preparation	0.55	5	2.75	0.55	0.06875
Exhaust PM-10	Grading	1.39	18	25.02	1.39	0.17375
	Building Construction	0.51	198	100.98	0.51	0.06375
	Paving	0.35	30	10.5	0.35	0.04375
	Architectural Coating	0.04	30	1.2	0.04	0.005
			2.84	221	140.45	0.635520362
Off-Site	Site Preparation	5.00E-03	5	0.025	0.005	0.000625
Exhaust PM-10	Grading	5.00E-03	18	0.09	0.005	0.000625
	Building Construction	1.00E-02	198	1.98	0.01	0.00125
	Paving	5.00E-03	30	0.15	0.005	0.000625
	Architectural Coating	0.00E+00	30	0	0	0
			2.50E-02	221	2.245	0.010158371

Phase	Start Date	End Date	No. Days
Site Preparation	2/1/2025	2/7/2025	5
Grading	2/8/2025	3/5/2025	18
Building Construction	3/6/2025	12/8/2025	198
Paving	10/28/2025	12/8/2025	30
Architectural Coating	10/28/2025	12/8/2025	30
<b>Total Days of Construction</b>			<b>221</b>

Without Mitigation

**AVERAGE EMISSION FACTOR  
SAN JOAQUIN COUNTY 2026**

Speed	LHD1	LHD2	MHD	HHD
0	0.374396	0.591438	0.057064	0.01179
5	0.049163	0.061833	0.02948	0.01198
25	0.022536	0.029527	0.008108	0.00586

Speed	Weighted Average Emissions
0	0.12421
5	0.02626
25	0.01093



Without Mitigation

Truck Emission Rates - Without Mitigation							
Source	Trucks Per Day	VMT <sup>a</sup> (miles/day)	Truck Emission Rate <sup>b</sup> (grams/mile)	Truck Emission Rate <sup>b</sup> (grams/idle-hour)	Daily Truck Emissions <sup>c</sup> (grams/day)	TRU Emissions (grams/day) <sup>d</sup>	Modeled Emission Rates (g/second)
On-Site Idling - Loading Docks	108			0.1242	3.37	146.108	1.730E-03
On-Site Idling - Trailer Parking	108			0.1242	1.12	0.000	1.300E-05
On-Site Travel	217	46.88	0.0263		1.23	6.122	8.511E-05
Off-Site Travel - Spreckels Ave. 71.12% Inbound/Outbound	154	67.52	0.0109		0.74	1.763	2.895E-05
Off-Site Travel - Spreckels Ave. 37.93% Inbound/Outbound	82	113.24	0.0109		1.24	2.957	4.855E-05
Off-Site Travel - Mofatt Blvd. 9.27% Inbound/Outbound	20	22.02	0.0109		0.24	0.575	9.441E-06
Off-Site Travel - Mofatt Blvd. 23.92% Inbound/Outbound	52	88.10	0.0109		0.96	2.301	3.777E-05
Off-Site Travel - Spreckels Ave. 28.89% Inbound/Outbound	63	25.70	0.0109		0.28	0.671	1.102E-05
Off-Site Travel - Yosemite Ave. 3.40% Inbound/Outbound	7	7.36	0.0109		0.08	0.192	3.156E-06
Off-Site Travel - Yosemite Ave. 24.22% Inbound/Outbound	53	22.51	0.0109		0.25	0.588	9.651E-06
Off-Site Travel - Spreckels Ave. 1.27% Inbound/Outbound	3	0.67	0.0109		0.01	0.018	2.880E-07

<sup>a</sup> Vehicle miles traveled are for modeled truck route only.

<sup>b</sup> Emission rates determined using EMFAC 2021. Idle emission rates are expressed in grams per idle hour rather than grams per mile.

<sup>c</sup> This column includes the total truck travel and truck idle emissions. For idle emissions this column includes emissions based on the assumption that each truck idles for 15 minutes at loading docks and 5 minutes at trailer parking areas.

<sup>d</sup> This column assumes each TRU operates at building loading docks for 2.1 hours.

Without Mitigation

calendar_y	season_m	sub_area	vehicle_class	fuel	temperatur	relative_hu	process	speed_tim	pollutant	emission_rate
2026	Annual	San Joaqui	HHDT	Dsl	60	70	RUNEX	5	PM10	0.012298
2026	Annual	San Joaqui	HHDT	Dsl	60	70	RUNEX	25	PM10	0.006014
2026	Annual	San Joaqui	HHDT	Dsl			IDLEX		PM10	0.012106
2026	Annual	San Joaqui	LHDT1	Dsl	60	70	RUNEX	5	PM10	0.104681
2026	Annual	San Joaqui	LHDT1	Dsl	60	70	RUNEX	25	PM10	0.047985
2026	Annual	San Joaqui	LHDT1	Dsl			IDLEX		PM10	0.797183
2026	Annual	San Joaqui	LHDT2	Dsl	60	70	RUNEX	5	PM10	0.084104
2026	Annual	San Joaqui	LHDT2	Dsl	60	70	RUNEX	25	PM10	0.040163
2026	Annual	San Joaqui	LHDT2	Dsl			IDLEX		PM10	0.804468
2026	Annual	San Joaqui	MHDT	Dsl	60	70	RUNEX	5	PM10	0.032026
2026	Annual	San Joaqui	MHDT	Dsl	60	70	RUNEX	25	PM10	0.008809
2026	Annual	San Joaqui	MHDT	Dsl			IDLEX		PM10	0.061994

Without Mitigation

Source: EMFAC2021 (v1.0.2) Emissions Inventory

Region Type: Sub-Area

Region: San Joaquin (SJV)

Calendar Year: 2026

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for CVMT and EVMT, trips/day for Trips, kWh/day for Energy Consumption, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	Calendar	Vehicle C	Model Year	Speed	Fuel	Population
San Joaql	2026	HHDT	Aggregate	Aggregate	Gasoline	0.71685
San Joaql	2026	HHDT	Aggregate	Aggregate	Diesel	9478.12
San Joaql	2026	HHDT	Aggregate	Aggregate	Natural Gas	254.149
San Joaql	2026	LHDT1	Aggregate	Aggregate	Gasoline	9286.22
San Joaql	2026	LHDT1	Aggregate	Aggregate	Diesel	8223.37
San Joaql	2026	LHDT2	Aggregate	Aggregate	Gasoline	1106.27
San Joaql	2026	LHDT2	Aggregate	Aggregate	Diesel	3071.34
San Joaql	2026	MHDT	Aggregate	Aggregate	Gasoline	520.447
San Joaql	2026	MHDT	Aggregate	Aggregate	Diesel	6024.69
San Joaql	2026	MHDT	Aggregate	Aggregate	Natural Gas	70.0637

HHDT% GAS/NG	0.02619
HHDT% DSL	0.97381
LHDT1% GAS	0.53035
LHDT1% DSL	0.46965
LHDT2% GAS	0.26481
LHDT2% DSL	0.73519
MHDT% GAS	0.07952
MHDT% DSL	0.92048

**AVERAGE EMISSION FACTOR  
SAN JOAQUIN COUNTY 2026**

Speed	LHD1	LHD2	MHD	HHD
0	0.374396	0.591438	0.057064	0.01179
5	0.049163	0.061833	0.02948	0.01198
25	0.022536	0.029527	0.008108	0.00586

Speed	Weighted Average Emissions
0	0.12421
5	0.02626
25	0.01093

Truck Emission Rates - With Mitigation							
Source	Trucks Per Day	VMT <sup>a</sup> (miles/day)	Truck Emission Rate <sup>b</sup> (grams/mile)	Truck Emission Rate <sup>b</sup> (grams/idle-hour)	Daily Truck Emissions <sup>c</sup> (grams/day)	TRU Emissions (grams/day) <sup>d</sup>	Modeled Emission Rates (g/second)
On-Site Idling - Loading Docks	108			0.1242	3.37	35.420	4.490E-04
On-Site Idling - Trailer Parking	108			0.1242	1.12	0.000	1.300E-05
On-Site Travel	217	46.88	0.0263		1.23	6.122	8.511E-05
Off-Site Travel - Spreckels Ave. 71.12% Inbound/Outbound	154	67.52	0.0109		0.74	1.763	2.895E-05
Off-Site Travel - Spreckels Ave. 37.93% Inbound/Outbound	82	113.24	0.0109		1.24	2.957	4.855E-05
Off-Site Travel - Mofatt Blvd. 9.27% Inbound/Outbound	20	22.02	0.0109		0.24	0.575	9.441E-06
Off-Site Travel - Mofatt Blvd. 23.92% Inbound/Outbound	52	88.10	0.0109		0.96	2.301	3.777E-05
Off-Site Travel - Spreckels Ave. 28.89% Inbound/Outbound	63	25.70	0.0109		0.28	0.671	1.102E-05
Off-Site Travel - Yosemite Ave. 3.40% Inbound/Outbound	7	7.36	0.0109		0.08	0.192	3.156E-06
Off-Site Travel - Yosemite Ave. 24.22% Inbound/Outbound	53	22.51	0.0109		0.25	0.588	9.651E-06
Off-Site Travel - Spreckels Ave. 1.27% Inbound/Outbound	3	0.67	0.0109		0.01	0.018	2.880E-07

<sup>a</sup> Vehicle miles traveled are for modeled truck route only.

<sup>b</sup> Emission rates determined using EMFAC 2021. Idle emission rates are expressed in grams per idle hour rather than grams per mile.

<sup>c</sup> This column includes the total truck travel and truck idle emissions. For idle emissions this column includes emissions based on the assumption that each truck idles for 15 minutes at loading docks and 5 minutes at trailer parking areas.

<sup>d</sup> This column assumes each TRU operates at building loading docks for 30 minutes.

With Mitigation

calendar_y	season_m	sub_area	vehicle_class	fuel	temperatur	relative_hu	process	speed_tim	pollutant	emission_rate
2026	Annual	San Joaqui	HHDT	Dsl	60	70	RUNEX	5	PM10	0.012298
2026	Annual	San Joaqui	HHDT	Dsl	60	70	RUNEX	25	PM10	0.006014
2026	Annual	San Joaqui	HHDT	Dsl			IDLEX		PM10	0.012106
2026	Annual	San Joaqui	LHDT1	Dsl	60	70	RUNEX	5	PM10	0.104681
2026	Annual	San Joaqui	LHDT1	Dsl	60	70	RUNEX	25	PM10	0.047985
2026	Annual	San Joaqui	LHDT1	Dsl			IDLEX		PM10	0.797183
2026	Annual	San Joaqui	LHDT2	Dsl	60	70	RUNEX	5	PM10	0.084104
2026	Annual	San Joaqui	LHDT2	Dsl	60	70	RUNEX	25	PM10	0.040163
2026	Annual	San Joaqui	LHDT2	Dsl			IDLEX		PM10	0.804468
2026	Annual	San Joaqui	MHDT	Dsl	60	70	RUNEX	5	PM10	0.032026
2026	Annual	San Joaqui	MHDT	Dsl	60	70	RUNEX	25	PM10	0.008809
2026	Annual	San Joaqui	MHDT	Dsl			IDLEX		PM10	0.061994

With Mitigation

Source: EMFAC2021 (v1.0.2) Emissions Inventory

Region Type: Sub-Area

Region: San Joaquin (SJV)

Calendar Year: 2026

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for CVMT and EVMT, trips/day for Trips, kWh/day for Energy Consumption, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	Calendar	Vehicle C	Model Year	Speed	Fuel	Population
San Joaquin	2026	HHDT	Aggregate	Aggregate	Gasoline	0.71685
San Joaquin	2026	HHDT	Aggregate	Aggregate	Diesel	9478.12
San Joaquin	2026	HHDT	Aggregate	Aggregate	Natural Gas	254.149
San Joaquin	2026	LHDT1	Aggregate	Aggregate	Gasoline	9286.22
San Joaquin	2026	LHDT1	Aggregate	Aggregate	Diesel	8223.37
San Joaquin	2026	LHDT2	Aggregate	Aggregate	Gasoline	1106.27
San Joaquin	2026	LHDT2	Aggregate	Aggregate	Diesel	3071.34
San Joaquin	2026	MHDT	Aggregate	Aggregate	Gasoline	520.447
San Joaquin	2026	MHDT	Aggregate	Aggregate	Diesel	6024.69
San Joaquin	2026	MHDT	Aggregate	Aggregate	Natural Gas	70.0637

HHDT% GAS/NG	0.02619
HHDT% DSL	0.97381
LHDT1% GAS	0.53035
LHDT1% DSL	0.46965
LHDT2% GAS	0.26481
LHDT2% DSL	0.73519
MHDT% GAS	0.07952
MHDT% DSL	0.92048

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**APPENDIX 2.3:**

**AERMOD MODEL INPUT/OUTPUT – CONSTRUCTION**

```
** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 12.0.0
** Lakes Environmental Software Inc.
** Date: 8/29/2024
** File: C:\Users\Michael Tirohn\Desktop\HRAs\15639 Spreckels\15639 Construction HRA\15639
Construction HRA.ADI
**
```

```
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
```

```
CO STARTING
TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\15639 Spreckels\15639 Ops HRA\1
MODELOPT DFAULT CONC
AVERTIME PERIOD
URBANOPT 62651 Manteca
POLLUTID DPM
RUNORNOT RUN
ERRORFIL "15639 Construction HRA.err"
```

```
CO FINISHED
```

```
**
*****
** AERMOD Source Pathway
*****
**
```

```
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
LOCATION VOL1          VOLUME      658411.906  4184253.420    13.210
LOCATION VOL2          VOLUME      658546.520  4184257.346    13.150
LOCATION VOL3          VOLUME      658679.379  4184260.593    13.490
```

```
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC
** PREFIX
** Length of Side = 14.00
** Configuration = Adjacent
** Emission Rate = 0.0001599916
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 15
```

```
** 658776.790, 4184194.840, 12.96, 3.49, 6.51
** 658767.861, 4184256.263, 12.95, 3.49, 6.51
** 658750.814, 4184324.992, 13.05, 3.49, 6.51
** 658735.661, 4184359.628, 12.90, 3.49, 6.51
** 658707.249, 4184417.263, 12.75, 3.49, 6.51
** 658685.602, 4184467.051, 12.76, 3.49, 6.51
** 658669.367, 4184514.404, 12.73, 3.49, 6.51
** 658658.273, 4184575.016, 12.49, 3.49, 6.51
** 658656.108, 4184623.451, 12.44, 3.49, 6.51
** 658644.743, 4184799.333, 12.73, 3.49, 6.51
** 658639.602, 4184873.203, 13.12, 3.49, 6.51
** 658873.661, 4184879.427, 12.79, 3.49, 6.51
** 659059.284, 4184880.780, 13.12, 3.49, 6.51
** 659323.648, 4184892.145, 13.48, 3.49, 6.51
** 659354.225, 4184892.686, 13.70, 3.49, 6.51
```

\*\*

LOCATION	L0000001	VOLUME	658775.783	4184201.767	12.96
LOCATION	L0000002	VOLUME	658773.769	4184215.621	12.96
LOCATION	L0000003	VOLUME	658771.755	4184229.476	12.95
LOCATION	L0000004	VOLUME	658769.741	4184243.330	12.94
LOCATION	L0000005	VOLUME	658767.637	4184257.167	12.93
LOCATION	L0000006	VOLUME	658764.266	4184270.755	12.97
LOCATION	L0000007	VOLUME	658760.896	4184284.343	13.01
LOCATION	L0000008	VOLUME	658757.526	4184297.931	13.05
LOCATION	L0000009	VOLUME	658754.155	4184311.520	13.07
LOCATION	L0000010	VOLUME	658750.766	4184325.102	13.05
LOCATION	L0000011	VOLUME	658745.155	4184337.928	12.94
LOCATION	L0000012	VOLUME	658739.543	4184350.754	12.91
LOCATION	L0000013	VOLUME	658733.753	4184363.497	12.91
LOCATION	L0000014	VOLUME	658727.563	4184376.054	12.89
LOCATION	L0000015	VOLUME	658721.373	4184388.612	12.80
LOCATION	L0000016	VOLUME	658715.183	4184401.169	12.66
LOCATION	L0000017	VOLUME	658708.993	4184413.726	12.72
LOCATION	L0000018	VOLUME	658703.239	4184426.485	12.73
LOCATION	L0000019	VOLUME	658697.657	4184439.324	12.75
LOCATION	L0000020	VOLUME	658692.075	4184452.163	12.73
LOCATION	L0000021	VOLUME	658686.493	4184465.002	12.77
LOCATION	L0000022	VOLUME	658681.786	4184478.181	12.83
LOCATION	L0000023	VOLUME	658677.246	4184491.424	12.86
LOCATION	L0000024	VOLUME	658672.705	4184504.668	12.82
LOCATION	L0000025	VOLUME	658668.699	4184518.051	12.75
LOCATION	L0000026	VOLUME	658666.179	4184531.822	12.64
LOCATION	L0000027	VOLUME	658663.658	4184545.593	12.51
LOCATION	L0000028	VOLUME	658661.137	4184559.364	12.44
LOCATION	L0000029	VOLUME	658658.617	4184573.136	12.45
LOCATION	L0000030	VOLUME	658657.733	4184587.092	12.47
LOCATION	L0000031	VOLUME	658657.108	4184601.078	12.46
LOCATION	L0000032	VOLUME	658656.483	4184615.064	12.45
LOCATION	L0000033	VOLUME	658655.747	4184629.044	12.44
LOCATION	L0000034	VOLUME	658654.844	4184643.015	12.44
LOCATION	L0000035	VOLUME	658653.941	4184656.986	12.39
LOCATION	L0000036	VOLUME	658653.038	4184670.957	12.32
LOCATION	L0000037	VOLUME	658652.136	4184684.928	12.29
LOCATION	L0000038	VOLUME	658651.233	4184698.899	12.29
LOCATION	L0000039	VOLUME	658650.330	4184712.869	12.33
LOCATION	L0000040	VOLUME	658649.427	4184726.840	12.42
LOCATION	L0000041	VOLUME	658648.525	4184740.811	12.52
LOCATION	L0000042	VOLUME	658647.622	4184754.782	12.60
LOCATION	L0000043	VOLUME	658646.719	4184768.753	12.69
LOCATION	L0000044	VOLUME	658645.817	4184782.724	12.71
LOCATION	L0000045	VOLUME	658644.914	4184796.695	12.72
LOCATION	L0000046	VOLUME	658643.955	4184810.662	12.81
LOCATION	L0000047	VOLUME	658642.983	4184824.628	12.92
LOCATION	L0000048	VOLUME	658642.011	4184838.594	13.02
LOCATION	L0000049	VOLUME	658641.039	4184852.560	13.10
LOCATION	L0000050	VOLUME	658640.067	4184866.527	13.13
LOCATION	L0000051	VOLUME	658646.907	4184873.398	13.11
LOCATION	L0000052	VOLUME	658660.902	4184873.770	13.11
LOCATION	L0000053	VOLUME	658674.897	4184874.142	13.14
LOCATION	L0000054	VOLUME	658688.892	4184874.514	13.14
LOCATION	L0000055	VOLUME	658702.887	4184874.886	13.10
LOCATION	L0000056	VOLUME	658716.882	4184875.258	13.08
LOCATION	L0000057	VOLUME	658730.877	4184875.630	13.07
LOCATION	L0000058	VOLUME	658744.872	4184876.003	13.07
LOCATION	L0000059	VOLUME	658758.867	4184876.375	13.07
LOCATION	L0000060	VOLUME	658772.862	4184876.747	13.06
LOCATION	L0000061	VOLUME	658786.857	4184877.119	13.02
LOCATION	L0000062	VOLUME	658800.852	4184877.491	12.95
LOCATION	L0000063	VOLUME	658814.847	4184877.863	12.88
LOCATION	L0000064	VOLUME	658828.842	4184878.235	12.79
LOCATION	L0000065	VOLUME	658842.837	4184878.607	12.79

LOCATION	VOLUME				
LOCATION L0000066	VOLUME	658856.832	4184878.980	12.80	
LOCATION L0000067	VOLUME	658870.827	4184879.352	12.82	
LOCATION L0000068	VOLUME	658884.826	4184879.508	12.87	
LOCATION L0000069	VOLUME	658898.826	4184879.610	12.97	
LOCATION L0000070	VOLUME	658912.825	4184879.712	13.03	
LOCATION L0000071	VOLUME	658926.825	4184879.814	13.08	
LOCATION L0000072	VOLUME	658940.825	4184879.917	13.08	
LOCATION L0000073	VOLUME	658954.824	4184880.019	13.08	
LOCATION L0000074	VOLUME	658968.824	4184880.121	13.08	
LOCATION L0000075	VOLUME	658982.824	4184880.223	13.10	
LOCATION L0000076	VOLUME	658996.823	4184880.325	13.14	
LOCATION L0000077	VOLUME	659010.823	4184880.427	13.14	
LOCATION L0000078	VOLUME	659024.822	4184880.529	13.12	
LOCATION L0000079	VOLUME	659038.822	4184880.631	13.11	
LOCATION L0000080	VOLUME	659052.822	4184880.733	13.12	
LOCATION L0000081	VOLUME	659066.815	4184881.104	13.18	
LOCATION L0000082	VOLUME	659080.802	4184881.705	13.22	
LOCATION L0000083	VOLUME	659094.789	4184882.306	13.25	
LOCATION L0000084	VOLUME	659108.776	4184882.908	13.30	
LOCATION L0000085	VOLUME	659122.763	4184883.509	13.36	
LOCATION L0000086	VOLUME	659136.750	4184884.110	13.42	
LOCATION L0000087	VOLUME	659150.737	4184884.711	13.47	
LOCATION L0000088	VOLUME	659164.724	4184885.313	13.50	
LOCATION L0000089	VOLUME	659178.711	4184885.914	13.48	
LOCATION L0000090	VOLUME	659192.698	4184886.515	13.38	
LOCATION L0000091	VOLUME	659206.685	4184887.117	13.51	
LOCATION L0000092	VOLUME	659220.672	4184887.718	13.75	
LOCATION L0000093	VOLUME	659234.660	4184888.319	14.31	
LOCATION L0000094	VOLUME	659248.647	4184888.920	14.72	
LOCATION L0000095	VOLUME	659262.634	4184889.522	14.42	
LOCATION L0000096	VOLUME	659276.621	4184890.123	14.02	
LOCATION L0000097	VOLUME	659290.608	4184890.724	13.51	
LOCATION L0000098	VOLUME	659304.595	4184891.326	13.43	
LOCATION L0000099	VOLUME	659318.582	4184891.927	13.53	
LOCATION L0000100	VOLUME	659332.576	4184892.303	13.59	
LOCATION L0000101	VOLUME	659346.574	4184892.550	13.64	

\*\* End of LINE VOLUME Source ID = SLINE1

\*\* Source Parameters \*\*

SRCPARAM VOL1	0.0033364258	5.000	33.540	1.400
SRCPARAM VOL2	0.0033364258	5.000	33.540	1.400
SRCPARAM VOL3	0.0033364258	5.000	33.540	1.400

\*\* LINE VOLUME Source ID = SLINE1

SRCPARAM L0000001	0.000001584	3.49	6.51	3.25
SRCPARAM L0000002	0.000001584	3.49	6.51	3.25
SRCPARAM L0000003	0.000001584	3.49	6.51	3.25
SRCPARAM L0000004	0.000001584	3.49	6.51	3.25
SRCPARAM L0000005	0.000001584	3.49	6.51	3.25
SRCPARAM L0000006	0.000001584	3.49	6.51	3.25
SRCPARAM L0000007	0.000001584	3.49	6.51	3.25
SRCPARAM L0000008	0.000001584	3.49	6.51	3.25
SRCPARAM L0000009	0.000001584	3.49	6.51	3.25
SRCPARAM L0000010	0.000001584	3.49	6.51	3.25
SRCPARAM L0000011	0.000001584	3.49	6.51	3.25
SRCPARAM L0000012	0.000001584	3.49	6.51	3.25
SRCPARAM L0000013	0.000001584	3.49	6.51	3.25
SRCPARAM L0000014	0.000001584	3.49	6.51	3.25
SRCPARAM L0000015	0.000001584	3.49	6.51	3.25
SRCPARAM L0000016	0.000001584	3.49	6.51	3.25
SRCPARAM L0000017	0.000001584	3.49	6.51	3.25
SRCPARAM L0000018	0.000001584	3.49	6.51	3.25
SRCPARAM L0000019	0.000001584	3.49	6.51	3.25
SRCPARAM L0000020	0.000001584	3.49	6.51	3.25
SRCPARAM L0000021	0.000001584	3.49	6.51	3.25
SRCPARAM L0000022	0.000001584	3.49	6.51	3.25
SRCPARAM L0000023	0.000001584	3.49	6.51	3.25
SRCPARAM L0000024	0.000001584	3.49	6.51	3.25



SRCPARAM	L0000091	0.000001584	3.49	6.51	3.25
SRCPARAM	L0000092	0.000001584	3.49	6.51	3.25
SRCPARAM	L0000093	0.000001584	3.49	6.51	3.25
SRCPARAM	L0000094	0.000001584	3.49	6.51	3.25
SRCPARAM	L0000095	0.000001584	3.49	6.51	3.25
SRCPARAM	L0000096	0.000001584	3.49	6.51	3.25
SRCPARAM	L0000097	0.000001584	3.49	6.51	3.25
SRCPARAM	L0000098	0.000001584	3.49	6.51	3.25
SRCPARAM	L0000099	0.000001584	3.49	6.51	3.25
SRCPARAM	L0000100	0.000001584	3.49	6.51	3.25
SRCPARAM	L0000101	0.000001584	3.49	6.51	3.25

\*\*

URBANSRC ALL

\*\* Variable Emissions Type: "By Hour / Day (HRDOW)"

\*\* Variable Emission Scenario: "Scenario 1"

\*\* WeekDays:

EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
EMISFACT	VOL1	HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

\*\* Saturday:

EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

\*\* Sunday:

EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

\*\* WeekDays:

EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL2	HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
EMISFACT	VOL2	HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

\*\* Saturday:

EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

\*\* Sunday:

EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

\*\* WeekDays:

EMISFACT	VOL3	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL3	HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
EMISFACT	VOL3	HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
EMISFACT	VOL3	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

\*\* Saturday:

EMISFACT	VOL3	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL3	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL3	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL3	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

\*\* Sunday:

EMISFACT	VOL3	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL3	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL3	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL3	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

\*\* WeekDays:

EMISFACT	L0000001	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000001	HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
EMISFACT	L0000001	HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
EMISFACT	L0000001	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0











































EMISFACT L0000096 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000096 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000097 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000097 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000097 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000097 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000097 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000097 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000097 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000097 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000098 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000098 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000098 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000098 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000098 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000099 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000099 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000099 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000099 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000099 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000100 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000100 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000100 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000100 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000101 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000101 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000101 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000101 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000101 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
SRCGROUP ALL

SO FINISHED

\*\*  
\*\*\*\*\*  
\*\* AERMOD Receptor Pathway  
\*\*\*\*\*

\*\*  
\*\*

RE STARTING  
INCLUDED "15639 Construction HRA.rou"

RE FINISHED  
\*\*

\*\*\*\*\*  
\*\* AERMOD Meteorology Pathway  
\*\*\*\*\*

\*\*  
\*\*

ME STARTING  
SURFFILE modesto-city-23258\Modesto\_18-22.SFC  
PROFFILE modesto-city-23258\Modesto\_18-22.PFL  
SURFDATA 23258 2018  
UAIRDATA 23230 2018 OAKLAND/WSO\_AP  
PROFBASE 30.0 METERS

ME FINISHED  
\*\*

\*\*\*\*\*  
\*\* AERMOD Output Pathway  
\*\*\*\*\*

\*\*  
\*\*

OU STARTING  
\*\* Auto-Generated Plotfiles  
PLOTFILE PERIOD ALL "15639 CONSTRUCTION HRA.AD\PE00GALL.PLT" 31  
SUMMFILE "15639 Construction HRA.sum"

OU FINISHED

\*\*\* Message Summary For AERMOD Model Setup \*\*\*

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)  
A Total of 2 Warning Message(s)  
A Total of 0 Informational Message(s)

\*\*\*\*\* FATAL ERROR MESSAGES \*\*\*\*\*  
\*\*\* NONE \*\*\*

\*\*\*\*\* WARNING MESSAGES \*\*\*\*\*

ME W186 1562 MEOpen: THRESH\_1MIN 1-min ASOS wind speed threshold used 0.50  
ME W187 1562 MEOpen: ADJ\_U\* Option for Stable Low Winds used in AERMET

\*\*\*\*\*  
\*\*\* SETUP Finishes Successfully \*\*\*  
\*\*\*\*\*

\*\*\* AERMOD - VERSION 23132 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\15639  
Spreckels\15639 Ops HRA\1 \*\*\* 08/29/24  
\*\*\* AERMET - VERSION 21112 \*\*\*  
\*\*\*

\*\*\* 09:37:27

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* MODEL SETUP OPTIONS SUMMARY \*\*\*

\*\* Model Options Selected:

- \* Model Uses Regulatory DEFAULT Options
- \* Model Is Setup For Calculation of Average CONCentration Values.
- \* NO GAS DEPOSITION Data Provided.
- \* NO PARTICLE DEPOSITION Data Provided.
- \* Model Uses NO DRY DEPLETION. DDPLETE = F
- \* Model Uses NO WET DEPLETION. WETDPLT = F
- \* Stack-tip Downwash.
- \* Model Accounts for ELEVated Terrain Effects.
- \* Use Calms Processing Routine.
- \* Use Missing Data Processing Routine.
- \* No Exponential Decay.
- \* Model Uses URBAN Dispersion Algorithm for the SBL for 104 Source(s),  
for Total of 1 Urban Area(s):  
Urban Population = 62651.0 ; Urban Roughness Length = 1.000 m
- \* Urban Roughness Length of 1.0 Meter Used.
- \* ADJ\_U\* - Use ADJ\_U\* option for SBL in AERMET
- \* CCVR\_Sub - Meteorological data includes CCVR substitutions
- \* TEMP\_Sub - Meteorological data includes TEMP substitutions
- \* Model Assumes No FLAGPOLE Receptor Heights.
- \* The User Specified a Pollutant Type of: DPM

\*\*Model Calculates PERIOD Averages Only

\*\*This Run Includes: 104 Source(s); 1 Source Group(s); and 80 Receptor(s)

with: 0 POINT(s), including  
0 POINTCAP(s) and 0 POINTHOR(s)  
and: 104 VOLUME source(s)  
and: 0 AREA type source(s)  
and: 0 LINE source(s)  
and: 0 RLINE/RLINEXT source(s)  
and: 0 OPENPIT source(s)  
and: 0 BUOYANT LINE source(s) with a total of 0 line(s)  
and: 0 SWPOINT source(s)

\*\*Model Set To Continue RUNning After the Setup Testing.

\*\*The AERMET Input Meteorological Data Version Date: 21112

\*\*Output Options Selected:

Model Outputs Tables of PERIOD Averages by Receptor  
 Model Outputs 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) = 30.00 ; Decay Coef. =  
 0.000 ; Rot. Angle = 0.0  
 Emission Units = GRAMS/SEC ; Emission Rate  
 Unit Factor = 0.10000E+07  
 Output Units = MICROGRAMS/M\*\*3

\*\*Approximate Storage Requirements of Model = 3.6 MB of RAM.

\*\*Input Runstream File:

aermod.inp

\*\*Output Print File:

aermod.out

\*\*Detailed Error/Message File: 15639 Construction  
 HRA.err

\*\*File for Summary of Results: 15639 Construction  
 HRA.sum

\*\*\* AERMOD - VERSION 23132 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\15639  
 Spreckels\15639 Ops HRA\1 \*\*\* 08/29/24  
 \*\*\* AERMET - VERSION 21112 \*\*\*  
 \*\*\* 09:37:27

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

SOURCE	SCALAR	NUMBER URBAN PART.	EMISSION RATE (GRAMS/SEC)	AIRCRAFT		BASE ELEV.	RELEASE HEIGHT	INIT. SY	INIT. SZ
				X	Y				
ID	CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	
VOL1		0	0.33364E-02	658411.9	4184253.4	13.2	5.00	33.54	1.40
YES	HRDOW		NO						
VOL2		0	0.33364E-02	658546.5	4184257.3	13.2	5.00	33.54	1.40
YES	HRDOW		NO						
VOL3		0	0.33364E-02	658679.4	4184260.6	13.5	5.00	33.54	1.40
YES	HRDOW		NO						
L0000001		0	0.15840E-05	658775.8	4184201.8	13.0	3.49	6.51	3.25
YES	HRDOW		NO						
L0000002		0	0.15840E-05	658773.8	4184215.6	13.0	3.49	6.51	3.25
YES	HRDOW		NO						
L0000003		0	0.15840E-05	658771.8	4184229.5	13.0	3.49	6.51	3.25
YES	HRDOW		NO						
L0000004		0	0.15840E-05	658769.7	4184243.3	12.9	3.49	6.51	3.25
YES	HRDOW		NO						
L0000005		0	0.15840E-05	658767.6	4184257.2	12.9	3.49	6.51	3.25
YES	HRDOW		NO						
L0000006		0	0.15840E-05	658764.3	4184270.8	13.0	3.49	6.51	3.25
YES	HRDOW		NO						

L0000007	0	0.15840E-05	658760.9	4184284.3	13.0	3.49	6.51	3.25
YES HRDOW		NO						
L0000008	0	0.15840E-05	658757.5	4184297.9	13.1	3.49	6.51	3.25
YES HRDOW		NO						
L0000009	0	0.15840E-05	658754.2	4184311.5	13.1	3.49	6.51	3.25
YES HRDOW		NO						
L0000010	0	0.15840E-05	658750.8	4184325.1	13.1	3.49	6.51	3.25
YES HRDOW		NO						
L0000011	0	0.15840E-05	658745.2	4184337.9	12.9	3.49	6.51	3.25
YES HRDOW		NO						
L0000012	0	0.15840E-05	658739.5	4184350.8	12.9	3.49	6.51	3.25
YES HRDOW		NO						
L0000013	0	0.15840E-05	658733.8	4184363.5	12.9	3.49	6.51	3.25
YES HRDOW		NO						
L0000014	0	0.15840E-05	658727.6	4184376.1	12.9	3.49	6.51	3.25
YES HRDOW		NO						
L0000015	0	0.15840E-05	658721.4	4184388.6	12.8	3.49	6.51	3.25
YES HRDOW		NO						
L0000016	0	0.15840E-05	658715.2	4184401.2	12.7	3.49	6.51	3.25
YES HRDOW		NO						
L0000017	0	0.15840E-05	658709.0	4184413.7	12.7	3.49	6.51	3.25
YES HRDOW		NO						
L0000018	0	0.15840E-05	658703.2	4184426.5	12.7	3.49	6.51	3.25
YES HRDOW		NO						
L0000019	0	0.15840E-05	658697.7	4184439.3	12.8	3.49	6.51	3.25
YES HRDOW		NO						
L0000020	0	0.15840E-05	658692.1	4184452.2	12.7	3.49	6.51	3.25
YES HRDOW		NO						
L0000021	0	0.15840E-05	658686.5	4184465.0	12.8	3.49	6.51	3.25
YES HRDOW		NO						
L0000022	0	0.15840E-05	658681.8	4184478.2	12.8	3.49	6.51	3.25
YES HRDOW		NO						
L0000023	0	0.15840E-05	658677.2	4184491.4	12.9	3.49	6.51	3.25
YES HRDOW		NO						
L0000024	0	0.15840E-05	658672.7	4184504.7	12.8	3.49	6.51	3.25
YES HRDOW		NO						
L0000025	0	0.15840E-05	658668.7	4184518.1	12.8	3.49	6.51	3.25
YES HRDOW		NO						
L0000026	0	0.15840E-05	658666.2	4184531.8	12.6	3.49	6.51	3.25
YES HRDOW		NO						
L0000027	0	0.15840E-05	658663.7	4184545.6	12.5	3.49	6.51	3.25
YES HRDOW		NO						
L0000028	0	0.15840E-05	658661.1	4184559.4	12.4	3.49	6.51	3.25
YES HRDOW		NO						
L0000029	0	0.15840E-05	658658.6	4184573.1	12.5	3.49	6.51	3.25
YES HRDOW		NO						
L0000030	0	0.15840E-05	658657.7	4184587.1	12.5	3.49	6.51	3.25
YES HRDOW		NO						
L0000031	0	0.15840E-05	658657.1	4184601.1	12.5	3.49	6.51	3.25
YES HRDOW		NO						
L0000032	0	0.15840E-05	658656.5	4184615.1	12.5	3.49	6.51	3.25
YES HRDOW		NO						
L0000033	0	0.15840E-05	658655.7	4184629.0	12.4	3.49	6.51	3.25
YES HRDOW		NO						
L0000034	0	0.15840E-05	658654.8	4184643.0	12.4	3.49	6.51	3.25
YES HRDOW		NO						
L0000035	0	0.15840E-05	658653.9	4184657.0	12.4	3.49	6.51	3.25
YES HRDOW		NO						
L0000036	0	0.15840E-05	658653.0	4184671.0	12.3	3.49	6.51	3.25
YES HRDOW		NO						
L0000037	0	0.15840E-05	658652.1	4184684.9	12.3	3.49	6.51	3.25
YES HRDOW		NO						

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\*\*\* AERMET - VERSION 21112 \*\*\*  
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09:37:27

\*\*\* MODELOPTs: RegDFault CONC ELEV URBAN ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

SOURCE	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	INIT.
SOURCE	URBAN	EMISSION	AIRCRAFT		ELEV.	HEIGHT	SY	SZ
ID	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	SCALAR VARY	BY						
	CATS.		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
L0000038	0	0.15840E-05	658651.2	4184698.9	12.3	3.49	6.51	3.25
YES HRDOW		NO						
L0000039	0	0.15840E-05	658650.3	4184712.9	12.3	3.49	6.51	3.25
YES HRDOW		NO						
L0000040	0	0.15840E-05	658649.4	4184726.8	12.4	3.49	6.51	3.25
YES HRDOW		NO						
L0000041	0	0.15840E-05	658648.5	4184740.8	12.5	3.49	6.51	3.25
YES HRDOW		NO						
L0000042	0	0.15840E-05	658647.6	4184754.8	12.6	3.49	6.51	3.25
YES HRDOW		NO						
L0000043	0	0.15840E-05	658646.7	4184768.8	12.7	3.49	6.51	3.25
YES HRDOW		NO						
L0000044	0	0.15840E-05	658645.8	4184782.7	12.7	3.49	6.51	3.25
YES HRDOW		NO						
L0000045	0	0.15840E-05	658644.9	4184796.7	12.7	3.49	6.51	3.25
YES HRDOW		NO						
L0000046	0	0.15840E-05	658644.0	4184810.7	12.8	3.49	6.51	3.25
YES HRDOW		NO						
L0000047	0	0.15840E-05	658643.0	4184824.6	12.9	3.49	6.51	3.25
YES HRDOW		NO						
L0000048	0	0.15840E-05	658642.0	4184838.6	13.0	3.49	6.51	3.25
YES HRDOW		NO						
L0000049	0	0.15840E-05	658641.0	4184852.6	13.1	3.49	6.51	3.25
YES HRDOW		NO						
L0000050	0	0.15840E-05	658640.1	4184866.5	13.1	3.49	6.51	3.25
YES HRDOW		NO						
L0000051	0	0.15840E-05	658646.9	4184873.4	13.1	3.49	6.51	3.25
YES HRDOW		NO						
L0000052	0	0.15840E-05	658660.9	4184873.8	13.1	3.49	6.51	3.25
YES HRDOW		NO						
L0000053	0	0.15840E-05	658674.9	4184874.1	13.1	3.49	6.51	3.25
YES HRDOW		NO						
L0000054	0	0.15840E-05	658688.9	4184874.5	13.1	3.49	6.51	3.25
YES HRDOW		NO						
L0000055	0	0.15840E-05	658702.9	4184874.9	13.1	3.49	6.51	3.25
YES HRDOW		NO						
L0000056	0	0.15840E-05	658716.9	4184875.3	13.1	3.49	6.51	3.25
YES HRDOW		NO						
L0000057	0	0.15840E-05	658730.9	4184875.6	13.1	3.49	6.51	3.25
YES HRDOW		NO						
L0000058	0	0.15840E-05	658744.9	4184876.0	13.1	3.49	6.51	3.25
YES HRDOW		NO						
L0000059	0	0.15840E-05	658758.9	4184876.4	13.1	3.49	6.51	3.25
YES HRDOW		NO						
L0000060	0	0.15840E-05	658772.9	4184876.7	13.1	3.49	6.51	3.25
YES HRDOW		NO						
L0000061	0	0.15840E-05	658786.9	4184877.1	13.0	3.49	6.51	3.25
YES HRDOW		NO						
L0000062	0	0.15840E-05	658800.9	4184877.5	13.0	3.49	6.51	3.25
YES HRDOW		NO						

L0000063	0	0.15840E-05	658814.8	4184877.9	12.9	3.49	6.51	3.25
YES	HRDOW	NO						
L0000064	0	0.15840E-05	658828.8	4184878.2	12.8	3.49	6.51	3.25
YES	HRDOW	NO						
L0000065	0	0.15840E-05	658842.8	4184878.6	12.8	3.49	6.51	3.25
YES	HRDOW	NO						
L0000066	0	0.15840E-05	658856.8	4184879.0	12.8	3.49	6.51	3.25
YES	HRDOW	NO						
L0000067	0	0.15840E-05	658870.8	4184879.4	12.8	3.49	6.51	3.25
YES	HRDOW	NO						
L0000068	0	0.15840E-05	658884.8	4184879.5	12.9	3.49	6.51	3.25
YES	HRDOW	NO						
L0000069	0	0.15840E-05	658898.8	4184879.6	13.0	3.49	6.51	3.25
YES	HRDOW	NO						
L0000070	0	0.15840E-05	658912.8	4184879.7	13.0	3.49	6.51	3.25
YES	HRDOW	NO						
L0000071	0	0.15840E-05	658926.8	4184879.8	13.1	3.49	6.51	3.25
YES	HRDOW	NO						
L0000072	0	0.15840E-05	658940.8	4184879.9	13.1	3.49	6.51	3.25
YES	HRDOW	NO						
L0000073	0	0.15840E-05	658954.8	4184880.0	13.1	3.49	6.51	3.25
YES	HRDOW	NO						
L0000074	0	0.15840E-05	658968.8	4184880.1	13.1	3.49	6.51	3.25
YES	HRDOW	NO						
L0000075	0	0.15840E-05	658982.8	4184880.2	13.1	3.49	6.51	3.25
YES	HRDOW	NO						
L0000076	0	0.15840E-05	658996.8	4184880.3	13.1	3.49	6.51	3.25
YES	HRDOW	NO						
L0000077	0	0.15840E-05	659010.8	4184880.4	13.1	3.49	6.51	3.25
YES	HRDOW	NO						

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

SOURCE	NUMBER	EMISSION RATE	URBAN		BASE	RELEASE	INIT.	INIT.
			EMISSION RATE	AIRCRAFT				
SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY	SZ
SCALAR VARY	CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0000078	0	0.15840E-05	659024.8	4184880.5	13.1	3.49	6.51	3.25
YES	HRDOW	NO						
L0000079	0	0.15840E-05	659038.8	4184880.6	13.1	3.49	6.51	3.25
YES	HRDOW	NO						
L0000080	0	0.15840E-05	659052.8	4184880.7	13.1	3.49	6.51	3.25
YES	HRDOW	NO						
L0000081	0	0.15840E-05	659066.8	4184881.1	13.2	3.49	6.51	3.25
YES	HRDOW	NO						
L0000082	0	0.15840E-05	659080.8	4184881.7	13.2	3.49	6.51	3.25
YES	HRDOW	NO						
L0000083	0	0.15840E-05	659094.8	4184882.3	13.2	3.49	6.51	3.25
YES	HRDOW	NO						
L0000084	0	0.15840E-05	659108.8	4184882.9	13.3	3.49	6.51	3.25
YES	HRDOW	NO						
L0000085	0	0.15840E-05	659122.8	4184883.5	13.4	3.49	6.51	3.25
YES	HRDOW	NO						

L0000086	0	0.15840E-05	659136.8	4184884.1	13.4	3.49	6.51	3.25
YES HRDOW		NO						
L0000087	0	0.15840E-05	659150.7	4184884.7	13.5	3.49	6.51	3.25
YES HRDOW		NO						
L0000088	0	0.15840E-05	659164.7	4184885.3	13.5	3.49	6.51	3.25
YES HRDOW		NO						
L0000089	0	0.15840E-05	659178.7	4184885.9	13.5	3.49	6.51	3.25
YES HRDOW		NO						
L0000090	0	0.15840E-05	659192.7	4184886.5	13.4	3.49	6.51	3.25
YES HRDOW		NO						
L0000091	0	0.15840E-05	659206.7	4184887.1	13.5	3.49	6.51	3.25
YES HRDOW		NO						
L0000092	0	0.15840E-05	659220.7	4184887.7	13.8	3.49	6.51	3.25
YES HRDOW		NO						
L0000093	0	0.15840E-05	659234.7	4184888.3	14.3	3.49	6.51	3.25
YES HRDOW		NO						
L0000094	0	0.15840E-05	659248.6	4184888.9	14.7	3.49	6.51	3.25
YES HRDOW		NO						
L0000095	0	0.15840E-05	659262.6	4184889.5	14.4	3.49	6.51	3.25
YES HRDOW		NO						
L0000096	0	0.15840E-05	659276.6	4184890.1	14.0	3.49	6.51	3.25
YES HRDOW		NO						
L0000097	0	0.15840E-05	659290.6	4184890.7	13.5	3.49	6.51	3.25
YES HRDOW		NO						
L0000098	0	0.15840E-05	659304.6	4184891.3	13.4	3.49	6.51	3.25
YES HRDOW		NO						
L0000099	0	0.15840E-05	659318.6	4184891.9	13.5	3.49	6.51	3.25
YES HRDOW		NO						
L0000100	0	0.15840E-05	659332.6	4184892.3	13.6	3.49	6.51	3.25
YES HRDOW		NO						
L0000101	0	0.15840E-05	659346.6	4184892.5	13.6	3.49	6.51	3.25
YES HRDOW		NO						

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID	SOURCE IDs						
-----	-----						
ALL	VOL1	, VOL2	, VOL3	, L0000001	, L0000002	, L0000003	,
L0000004	, L0000005	,					
	L0000006	, L0000007	, L0000008	, L0000009	, L0000010	, L0000011	,
	L0000012	, L0000013	,				
	L0000014	, L0000015	, L0000016	, L0000017	, L0000018	, L0000019	,
	L0000020	, L0000021	,				
	L0000022	, L0000023	, L0000024	, L0000025	, L0000026	, L0000027	,
	L0000028	, L0000029	,				
	L0000030	, L0000031	, L0000032	, L0000033	, L0000034	, L0000035	,
	L0000036	, L0000037	,				
	L0000038	, L0000039	, L0000040	, L0000041	, L0000042	, L0000043	,
	L0000044	, L0000045	,				
	L0000046	, L0000047	, L0000048	, L0000049	, L0000050	, L0000051	,

L0000052 , L0000053 ,  
 L0000054 , L0000055 , L0000056 , L0000057 , L0000058 , L0000059 ,  
 L0000060 , L0000061 ,  
 L0000062 , L0000063 , L0000064 , L0000065 , L0000066 , L0000067 ,  
 L0000068 , L0000069 ,  
 L0000070 , L0000071 , L0000072 , L0000073 , L0000074 , L0000075 ,  
 L0000076 , L0000077 ,  
 L0000078 , L0000079 , L0000080 , L0000081 , L0000082 , L0000083 ,  
 L0000084 , L0000085 ,  
 L0000086 , L0000087 , L0000088 , L0000089 , L0000090 , L0000091 ,  
 L0000092 , L0000093 ,  
 L0000094 , L0000095 , L0000096 , L0000097 , L0000098 , L0000099 ,  
 L0000100 , L0000101 ,

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* SOURCE IDs DEFINED AS URBAN SOURCES \*\*\*

URBAN ID	URBAN POP	SOURCE IDs					
-----	-----	-----					
L0000005	62651. L0000003	VOL1 , L0000004	, VOL2 ,	, VOL3 ,	L0000001	, L0000002	,
L0000006	, L0000007	, L0000008	, L0000009	, L0000010	, L0000011	,	
L0000012	, L0000013	,					
L0000014	, L0000015	, L0000016	, L0000017	, L0000018	, L0000019	,	
L0000020	, L0000021	,					
L0000022	, L0000023	, L0000024	, L0000025	, L0000026	, L0000027	,	
L0000028	, L0000029	,					
L0000030	, L0000031	, L0000032	, L0000033	, L0000034	, L0000035	,	
L0000036	, L0000037	,					
L0000038	, L0000039	, L0000040	, L0000041	, L0000042	, L0000043	,	
L0000044	, L0000045	,					
L0000046	, L0000047	, L0000048	, L0000049	, L0000050	, L0000051	,	
L0000052	, L0000053	,					
L0000054	, L0000055	, L0000056	, L0000057	, L0000058	, L0000059	,	
L0000060	, L0000061	,					
L0000062	, L0000063	, L0000064	, L0000065	, L0000066	, L0000067	,	
L0000068	, L0000069	,					
L0000070	, L0000071	, L0000072	, L0000073	, L0000074	, L0000075	,	
L0000076	, L0000077	,					
L0000078	, L0000079	, L0000080	, L0000081	, L0000082	, L0000083	,	



L0000084 , L0000085 ,  
L0000086 , L0000087 , L0000088 , L0000089 , L0000090 , L0000091 ,  
L0000092 , L0000093 ,  
L0000094 , L0000095 , L0000096 , L0000097 , L0000098 , L0000099 ,  
L0000100 , L0000101 ,

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = VOL1 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

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DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = VOL2 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

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DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22

.0000E+00 23 .0000E+00 24 .0000E+00  
DAY OF WEEK = SATURDAY  
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY  
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = VOL3 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

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DAY OF WEEK = WEEKDAY  
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY  
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY  
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000001 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	
	.1000E+01	15	.1000E+01	16	.1000E+01						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000002 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	
	.1000E+01	15	.1000E+01	16	.1000E+01						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000003 ; SOURCE TYPE = VOLUME :

Hourly scalar values for Weekday, Saturday, and Sunday.

DAY OF WEEK = WEEKDAY

Hourly scalar values for Weekday (Days 1-7).

DAY OF WEEK = SATURDAY

Hourly scalar values for Saturday (Days 1-7).

DAY OF WEEK = SUNDAY

Hourly scalar values for Sunday (Days 1-7).

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000004 ; SOURCE TYPE = VOLUME :

Hourly scalar values for Weekday, Saturday, and Sunday.

DAY OF WEEK = WEEKDAY

Hourly scalar values for Weekday (Days 1-7).

DAY OF WEEK = SATURDAY

Hourly scalar values for Saturday (Days 1-7).

DAY OF WEEK = SUNDAY

Hourly scalar values for Sunday (Days 1-7).

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000005 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

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Spreckels\15639 Ops HRA\1 \*\*\* 08/29/24

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000006 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14

.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000007 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000008 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00

9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000009 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

-----

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000010 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000011 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* AERMET - VERSION 21112 \*\*\*



\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000012 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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Spreckels\15639 Ops HRA\1 \*\*\* 08/29/24

\*\*\* AERMET - VERSION 21112 \*\*\*
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000013 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6

.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* AERMET - VERSION 21112 \*\*\*  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000014 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

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Spreckels\15639 Ops HRA\1 \*\*\* 08/29/24  
\*\*\* AERMET - VERSION 21112 \*\*\*  
\*\*\* 09:37:27

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000015 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000016 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000017 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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Spreckels\15639 Ops HRA\1 \*\*\* 08/29/24
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) \*

SOURCE ID = L0000018 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR
-----

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000019 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
 .1000E+01 15 .1000E+01 16 .1000E+01  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
 .0000E+00 15 .0000E+00 16 .0000E+00  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
 .0000E+00 15 .0000E+00 16 .0000E+00  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
 .0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000020 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
 .1000E+01 15 .1000E+01 16 .1000E+01  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
 .0000E+00 15 .0000E+00 16 .0000E+00  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
 .0000E+00 15 .0000E+00 16 .0000E+00  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
 .0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000021 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000022 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00

.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000023 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

-----

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000024 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

-----

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000025 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

-----

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000026 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR



SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) \*

SOURCE ID = L0000027 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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Spreckels\15639 Ops HRA\1 \*\*\* 08/29/24
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000028 ; SOURCE TYPE = VOLUME :
HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR
SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR

DAY OF WEEK = WEEKDAY

Table with 12 columns (1-12) and 6 rows of scalar values for Weekday. Values range from .0000E+00 to .1000E+01.

DAY OF WEEK = SATURDAY

Table with 12 columns (1-12) and 6 rows of scalar values for Saturday. All values are .0000E+00.

DAY OF WEEK = SUNDAY

Table with 12 columns (1-12) and 6 rows of scalar values for Sunday. All values are .0000E+00.

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000029 ; SOURCE TYPE = VOLUME :
HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR
SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR

DAY OF WEEK = WEEKDAY

Table with 12 columns (1-12) and 6 rows of scalar values for Weekday. Values range from .0000E+00 to .1000E+01.

DAY OF WEEK = SATURDAY

Table with 12 columns (1-12) and 6 rows of scalar values for Saturday. All values are .0000E+00.

DAY OF WEEK = SUNDAY

Table with 12 columns (1-12) and 3 rows of scalar values for Sunday. Values range from .0000E+00 to .1000E+01.

```

.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
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Spreckels\15639 Ops HRA\1 *** 08/29/24
*** AERMET - VERSION 21112 ***
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

```

SOURCE ID = L0000030 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR
  SCALAR  HOUR  SCALAR  HOUR  SCALAR
-----

```

DAY OF WEEK = WEEKDAY

```

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

```

DAY OF WEEK = SATURDAY

```

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

```

DAY OF WEEK = SUNDAY

```

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

```

```

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Spreckels\15639 Ops HRA\1 *** 08/29/24
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

```

SOURCE ID = L0000031 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR
  SCALAR  HOUR  SCALAR  HOUR  SCALAR
-----

```

DAY OF WEEK = WEEKDAY

```

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

```

DAY OF WEEK = SATURDAY

```

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00

```

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000032 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000033 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6

.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000034 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000035 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

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Spreckels\15639 Ops HRA\1 \*\*\* 08/29/24

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000036 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000037 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

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Spreckels\15639 Ops HRA\1 \*\*\* 08/29/24

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000038 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000039 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

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Spreckels\15639 Ops HRA\1 \*\*\* 08/29/24  
\*\*\* AERMET - VERSION 21112 \*\*\*  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000040 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00



DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) \*

SOURCE ID = L0000041 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) \*

SOURCE ID = L0000042 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	
	.1000E+01	15	.1000E+01	16	.1000E+01						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
 (HRDOW) \*

SOURCE ID = L0000043 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	
	.1000E+01	15	.1000E+01	16	.1000E+01						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000044 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
 .1000E+01 15 .1000E+01 16 .1000E+01  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
 .0000E+00 15 .0000E+00 16 .0000E+00  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
 .0000E+00 15 .0000E+00 16 .0000E+00  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
 .0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000045 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
 .1000E+01 15 .1000E+01 16 .1000E+01  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
 .0000E+00 15 .0000E+00 16 .0000E+00  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
 .0000E+00 15 .0000E+00 16 .0000E+00  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
 .0000E+00

.0000E+00 23 .0000E+00 24 .0000E+00  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000046 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000047 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000048 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000049 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14

.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000050 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000051 ; SOURCE TYPE = VOLUME :

HR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

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Spreckels\15639 Ops HRA\1 \*\*\* 08/29/24  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000052 ; SOURCE TYPE = VOLUME :  
HR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

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Spreckels\15639 Ops HRA\1 \*\*\* 08/29/24  
\*\*\* AERMET - VERSION 21112 \*\*\*  
\*\*\* 09:37:27

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000053 ; SOURCE TYPE = VOLUME :
HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR
SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000054 ; SOURCE TYPE = VOLUME :
HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR
SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00



9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000055 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

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DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000056 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

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DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6

.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000057 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000058 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000059 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK

(HRDOW) \*

SOURCE ID = L0000060 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000061 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000062 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000063 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
 (HRDOW) \*

SOURCE ID = L0000064 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
 (HRDOW) \*

SOURCE ID = L0000065 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

.0000E+00 23 .0000E+00 24 .0000E+00  
 DAY OF WEEK = SATURDAY  
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
 .0000E+00 15 .0000E+00 16 .0000E+00  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY  
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
 .0000E+00 15 .0000E+00 16 .0000E+00  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
 .0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
 (HRDOW) \*

SOURCE ID = L0000066 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
 SCALAR HOUR SCALAR HOUR SCALAR

-----

DAY OF WEEK = WEEKDAY  
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
 .1000E+01 15 .1000E+01 16 .1000E+01  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY  
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
 .0000E+00 15 .0000E+00 16 .0000E+00  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY  
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
 .0000E+00 15 .0000E+00 16 .0000E+00  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
 .0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
 (HRDOW) \*

SOURCE ID = L0000066 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) \*

SOURCE ID = L0000068 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000069 ; SOURCE TYPE = VOLUME :

Hourly emission rate scalars for source L0000069, showing values for Weekdays, Saturdays, and Sundays.

DAY OF WEEK = WEEKDAY

Hourly emission rate scalars for Weekdays (Days 1-7), with values ranging from 0.0000E+00 to 0.1000E+01.

DAY OF WEEK = SATURDAY

Hourly emission rate scalars for Saturdays (Days 8-14), with values ranging from 0.0000E+00 to 0.1000E+01.

DAY OF WEEK = SUNDAY

Hourly emission rate scalars for Sundays (Days 15-21), with values ranging from 0.0000E+00 to 0.1000E+01.

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000070 ; SOURCE TYPE = VOLUME :

Hourly emission rate scalars for source L0000070, showing values for Weekdays, Saturdays, and Sundays.

DAY OF WEEK = WEEKDAY

Hourly emission rate scalars for Weekdays (Days 1-7), with values ranging from 0.0000E+00 to 0.1000E+01.

DAY OF WEEK = SATURDAY

Hourly emission rate scalars for Saturdays (Days 8-14), with values ranging from 0.0000E+00 to 0.1000E+01.

DAY OF WEEK = SUNDAY

Hourly emission rate scalars for Sundays (Days 15-21), with values ranging from 0.0000E+00 to 0.1000E+01.

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000071 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000072 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14

.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000073 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000074 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00

9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000075 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

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DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

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Spreckels\15639 Ops HRA\1 \*\*\* 08/29/24  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000076 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

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Spreckels\15639 Ops HRA\1 \*\*\* 08/29/24  
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\*\*\* 09:37:27

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000077 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000078 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000079 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6

.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000080 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000081 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000082 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000083 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR



DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) \*

SOURCE ID = L0000084 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR
-----

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000085 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
 .1000E+01 15 .1000E+01 16 .1000E+01  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
 .0000E+00 15 .0000E+00 16 .0000E+00  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
 .0000E+00 15 .0000E+00 16 .0000E+00  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
 .0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000086 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
 .1000E+01 15 .1000E+01 16 .1000E+01  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
 .0000E+00 15 .0000E+00 16 .0000E+00  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
 .0000E+00 15 .0000E+00 16 .0000E+00  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
 .0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000087 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000088 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00

.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

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Spreckels\15639 Ops HRA\1 \*\*\* 08/29/24

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000089 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

-----

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

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Spreckels\15639 Ops HRA\1 \*\*\* 08/29/24

\*\*\* AERMET - VERSION 21112 \*\*\*

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000090 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

-----

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000091 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

-----

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000092 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR

SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) \*

SOURCE ID = L0000093 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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Spreckels\15639 Ops HRA\1 \*\*\* 08/29/24
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000094 ; SOURCE TYPE = VOLUME :
HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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Spreckels\15639 Ops HRA\1 \*\*\* 08/29/24

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000095 ; SOURCE TYPE = VOLUME :
HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14

.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00  
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Spreckels\15639 Ops HRA\1 \*\*\* 08/29/24  
\*\*\* AERMET - VERSION 21112 \*\*\*  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000096 ; SOURCE TYPE = VOLUME :

SCALAR	SCALAR	SCALAR	SCALAR	SCALAR	SCALAR	SCALAR	SCALAR	SCALAR	SCALAR
--------	--------	--------	--------	--------	--------	--------	--------	--------	--------

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6
	.0000E+00	7	.0000E+00	8	.0000E+00					
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14
	.1000E+01	15	.1000E+01	16	.1000E+01					
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22
	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6
	.0000E+00	7	.0000E+00	8	.0000E+00					
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14
	.0000E+00	15	.0000E+00	16	.0000E+00					
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22
	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6
	.0000E+00	7	.0000E+00	8	.0000E+00					
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14
	.0000E+00	15	.0000E+00	16	.0000E+00					
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22
	.0000E+00	23	.0000E+00	24	.0000E+00					

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Spreckels\15639 Ops HRA\1 \*\*\* 08/29/24  
\*\*\* AERMET - VERSION 21112 \*\*\*  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000097 ; SOURCE TYPE = VOLUME :

SCALAR	SCALAR	SCALAR	SCALAR	SCALAR	SCALAR	SCALAR	SCALAR	SCALAR	SCALAR
--------	--------	--------	--------	--------	--------	--------	--------	--------	--------

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6
	.0000E+00	7	.0000E+00	8	.0000E+00					
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14
	.1000E+01	15	.1000E+01	16	.1000E+01					
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22
	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6
	.0000E+00	7	.0000E+00	8	.0000E+00					



9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000098 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

\*\*\* AERMOD - VERSION 23132 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\15639  
Spreckels\15639 Ops HRA\1 \*\*\* 08/29/24

\*\*\* AERMET - VERSION 21112 \*\*\*  
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\*\*\* 09:37:27

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000099 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6

.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000100 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000101 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
 .1000E+01 15 .1000E+01 16 .1000E+01  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
 .0000E+00 15 .0000E+00 16 .0000E+00  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
 .0000E+00 15 .0000E+00 16 .0000E+00  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
 .0000E+00 23 .0000E+00 24 .0000E+00

\*\*\* AERMOD - VERSION 23132 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\15639  
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\*\*\* AERMET - VERSION 21112 \*\*\*  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* DISCRETE CARTESIAN RECEPTORS \*\*\*  
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)  
 (METERS)

( 658334.4, 4184219.3, 12.7, 12.7, 0.0); ( 658333.0,  
 4184239.1, 12.8, 12.8, 0.0);  
 ( 658332.8, 4184256.8, 12.8, 12.8, 0.0); ( 658331.1,  
 4184275.4, 12.8, 12.8, 0.0);  
 ( 658330.6, 4184293.6, 12.8, 12.8, 0.0); ( 658330.1,  
 4184311.5, 12.9, 12.9, 0.0);  
 ( 658329.1, 4184328.9, 13.0, 13.0, 0.0); ( 658328.8,  
 4184346.9, 13.0, 13.0, 0.0);  
 ( 658327.3, 4184364.9, 13.0, 13.0, 0.0); ( 658326.6,  
 4184384.6, 13.1, 13.1, 0.0);  
 ( 658325.7, 4184400.5, 13.1, 13.1, 0.0); ( 658351.9,  
 4184356.4, 13.2, 13.2, 0.0);  
 ( 658411.4, 4184331.2, 13.1, 13.1, 0.0); ( 658460.9,  
 4184332.6, 13.1, 13.1, 0.0);  
 ( 658489.4, 4184334.4, 13.0, 13.0, 0.0); ( 658538.9,  
 4184336.4, 13.1, 13.1, 0.0);  
 ( 658634.0, 4184363.1, 13.2, 13.2, 0.0); ( 658575.2,  
 4184376.2, 13.0, 13.0, 0.0);  
 ( 658792.3, 4184311.5, 13.5, 13.5, 0.0); ( 658328.2,  
 4184428.2, 13.1, 13.1, 0.0);  
 ( 658324.6, 4184463.8, 12.7, 12.7, 0.0); ( 658340.1,  
 4184463.9, 12.7, 12.7, 0.0);  
 ( 658356.9, 4184464.5, 12.7, 12.7, 0.0); ( 658372.2,  
 4184464.6, 12.6, 12.6, 0.0);  
 ( 658385.9, 4184464.8, 12.6, 12.6, 0.0); ( 658404.0,  
 4184465.2, 12.5, 12.5, 0.0);  
 ( 658420.2, 4184465.1, 12.5, 12.5, 0.0); ( 658435.7,





217.	10.0	278.8	2.0											
18 01 01	1 07	-1.4	0.058	-9.000	-9.000	-999.	34.	12.7	0.02	0.99	1.00	0.67		
231.	10.0	277.5	2.0											
18 01 01	1 08	-2.0	0.065	-9.000	-9.000	-999.	40.	12.7	0.05	0.99	0.71	0.79		
198.	10.0	276.4	2.0											
18 01 01	1 09	0.1	0.081	0.021	0.007	3.	56.	-420.9	0.02	0.99	0.38	1.21		
106.	10.0	279.9	2.0											
18 01 01	1 10	47.5	0.079	0.580	0.006	149.	53.	-1.0	0.02	0.99	0.27	0.75		
139.	10.0	283.1	2.0											
18 01 01	1 11	83.4	0.135	1.018	0.015	461.	119.	-2.7	0.04	0.99	0.23	1.23		
353.	10.0	286.4	2.0											
18 01 01	1 12	103.1	0.228	1.163	0.017	556.	262.	-10.5	0.04	0.99	0.21	2.50		
333.	10.0	288.1	2.0											
18 01 01	1 13	105.8	0.161	1.231	0.019	641.	157.	-3.6	0.03	0.99	0.21	1.70		
322.	10.0	289.9	2.0											
18 01 01	1 14	91.4	0.148	1.217	0.019	715.	137.	-3.2	0.03	0.99	0.22	1.54		
324.	10.0	291.4	2.0											
18 01 01	1 15	60.0	0.135	1.065	0.019	731.	119.	-3.7	0.02	0.99	0.26	1.62		
298.	10.0	291.4	2.0											
18 01 01	1 16	15.4	0.170	0.678	0.019	735.	169.	-29.1	0.02	0.99	0.35	2.47		
295.	10.0	291.4	2.0											
18 01 01	1 17	-14.5	0.165	-9.000	-9.000	-999.	161.	30.1	0.03	0.99	0.60	2.61		
310.	10.0	288.8	2.0											
18 01 01	1 18	-7.0	0.110	-9.000	-9.000	-999.	88.	17.3	0.04	0.99	1.00	1.67		
331.	10.0	286.4	2.0											
18 01 01	1 19	-1.8	0.060	-9.000	-9.000	-999.	35.	11.0	0.02	0.99	1.00	0.84		
240.	10.0	285.4	2.0											
18 01 01	1 20	-1.7	0.061	-9.000	-9.000	-999.	36.	12.2	0.03	0.99	1.00	0.75		
327.	10.0	282.5	2.0											
18 01 01	1 21	-1.8	0.063	-9.000	-9.000	-999.	38.	12.9	0.04	0.99	1.00	0.74		
166.	10.0	282.0	2.0											
18 01 01	1 22	-4.0	0.081	-9.000	-9.000	-999.	55.	12.1	0.02	0.99	1.00	1.35		
116.	10.0	280.9	2.0											
18 01 01	1 23	-5.2	0.092	-9.000	-9.000	-999.	67.	13.6	0.02	0.99	1.00	1.55		
115.	10.0	279.9	2.0											
18 01 01	1 24	-4.4	0.084	-9.000	-9.000	-999.	59.	12.6	0.02	0.99	1.00	1.42		
119.	10.0	280.4	2.0											

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
18	01	01	01	10.0	1	314.	2.04	281.5	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

\*\*\* AERMOD - VERSION 23132 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\15639 Spreckels\15639 Ops HRA\1 \*\*\* 08/29/24

\*\*\* AERMET - VERSION 21112 \*\*\*

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*

INCLUDING SOURCE(S):		VOL1	VOL2	
VOL3		L0000001	L0000002	
L0000003	, L0000004	, L0000005	, L0000006	, L0000007
L0000008	, L0000009	, L0000010		
L0000011	, L0000012	, L0000013	, L0000014	, L0000015
L0000016	, L0000017	, L0000018		
L0000019	, L0000020	, L0000021	, L0000022	, L0000023
L0000024	, L0000025	, . . .		

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN

MICROGRAMS/M\*\*3

\*\*

X-COORD (M) (M)	Y-COORD (M) CONC	CONC	X-COORD (M)	Y-COORD
658334.38	4184219.32	0.02275	658333.00	
4184239.07	0.02898			
658332.77	4184256.75	0.03440	658331.12	
4184275.37	0.03594			
658330.55	4184293.56	0.03493	658330.13	
4184311.47	0.03174			
658329.14	4184328.95	0.02748	658328.75	
4184346.90	0.02335			
658327.32	4184364.94	0.01950	658326.61	
4184384.60	0.01620			
658325.69	4184400.50	0.01402	658351.91	
4184356.45	0.02505			
658411.42	4184331.21	0.04438	658460.92	
4184332.62	0.04024			
658489.41	4184334.45	0.04346	658538.91	
4184336.42	0.04621			
658633.98	4184363.12	0.02617	658575.23	
4184376.20	0.02257			
658792.31	4184311.46	0.01152	658328.23	
4184428.16	0.01125			
658324.56	4184463.84	0.00856	658340.07	
4184463.88	0.00881			
658356.85	4184464.48	0.00900	658372.20	
4184464.60	0.00915			
658385.86	4184464.84	0.00925	658403.96	
4184465.20	0.00934			
658420.15	4184465.08	0.00942	658435.73	
4184466.40	0.00935			
658336.30	4184188.36	0.01519	658338.79	
4184166.96	0.01194			
658339.45	4184149.70	0.00963	658338.62	
4184131.78	0.00767			
658339.62	4184114.19	0.00644	658339.45	
4184096.93	0.00545			
658528.90	4184142.67	0.05372	658609.95	
4184144.35	0.06176			
658681.53	4184145.79	0.05825	658822.70	
4184109.99	0.02594			
658341.04	4184077.32	0.00466	658342.17	
4184057.42	0.00401			
658342.45	4184040.64	0.00355	658343.44	
4184024.27	0.00319			
658344.00	4184004.66	0.00281	658345.03	
4183986.32	0.00252			
658345.54	4183969.09	0.00228	658347.07	
4183948.81	0.00206			
658348.08	4183931.79	0.00189	658348.70	
4183912.73	0.00172			
658349.41	4183895.60	0.00159	658350.33	
4183876.24	0.00145			
658705.37	4184490.63	0.00453	658356.00	
4183814.13	0.00114			
658783.42	4183907.96	0.01098	658844.96	
4184011.43	0.01605			
657852.76	4184359.55	0.00084	658013.70	
4184464.19	0.00209			
658356.21	4183852.60	0.00135	658487.87	
4183854.81	0.00300			
658621.29	4183854.81	0.00607	659353.96	
4184491.93	0.00041			

658618.84	4184754.20	0.00159	658624.83
4184647.10	0.00226		
658624.08	4184601.04	0.00275	658684.37
4184796.51	0.00155		
658912.05	4184704.77	0.00077	659090.68
4184904.74	0.00091		
658921.04	4184927.95	0.00067	658586.26
4184908.48	0.00087		
658405.01	4184892.00	0.00098	658487.02
4184918.97	0.00082		
658581.39	4184983.00	0.00062	658428.60
4184853.43	0.00109		
658445.08	4184517.53	0.00626	658435.72
4184690.54	0.00219		
659317.34	4184800.77	0.00058	659331.28
4184657.35	0.00040		
658029.00	4184541.67	0.00220	657824.73
4184529.27	0.00107		
658007.60	4184688.03	0.00168	657931.24
4184676.97	0.00142		

```

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Spreckels\15639 Ops HRA\1 ***      08/29/24
*** AERMET - VERSION 21112 ***
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE SUMMARY OF MAXIMUM PERIOD ( 43824 HRS) RESULTS \*\*\*

\*\* CONC OF DPM IN MICROGRAMS/M\*\*3 \*\*

GROUP ID	NETWORK	AVERAGE CONC	RECEPTOR	(XR, YR, ZELEV, ZHILL,
ZFLAG)	OF TYPE GRID-ID			
ALL	1ST HIGHEST VALUE IS	0.06176 AT (	658609.95,	4184144.35,
13.35,	0.00) DC			13.35,
	2ND HIGHEST VALUE IS	0.05825 AT (	658681.53,	4184145.79,
	13.27, 0.00) DC			13.27,
	3RD HIGHEST VALUE IS	0.05372 AT (	658528.90,	4184142.67,
	13.15, 0.00) DC			13.15,
	4TH HIGHEST VALUE IS	0.04621 AT (	658538.91,	4184336.42,
	13.07, 0.00) DC			13.07,
	5TH HIGHEST VALUE IS	0.04438 AT (	658411.42,	4184331.21,
	13.12, 0.00) DC			13.12,
	6TH HIGHEST VALUE IS	0.04346 AT (	658489.41,	4184334.45,
	13.04, 0.00) DC			13.04,
	7TH HIGHEST VALUE IS	0.04024 AT (	658460.92,	4184332.62,
	13.11, 0.00) DC			13.11,
	8TH HIGHEST VALUE IS	0.03594 AT (	658331.12,	4184275.37,
	12.78, 0.00) DC			12.78,
	9TH HIGHEST VALUE IS	0.03493 AT (	658330.55,	4184293.56,
	12.84, 0.00) DC			12.84,
	10TH HIGHEST VALUE IS	0.03440 AT (	658332.77,	4184256.75,
	12.76, 0.00) DC			12.76,

\*\*\* RECEPTOR TYPES: GC = GRIDCART  
GP = GRIDPOLR



DC = DISCCART  
DP = DISCPOLR

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\*\*\* AERMET - VERSION 21112 \*\*\*

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\*\*\* MODELOPTs: RegDEFAULT 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 2753 Informational Message(s)  
  
A Total of 43824 Hours Were Processed  
  
A Total of 1713 Calm Hours Identified  
  
A Total of 1040 Missing Hours Identified ( 2.37 Percent)

\*\*\*\*\* FATAL ERROR MESSAGES \*\*\*\*\*

\*\*\* NONE \*\*\*

\*\*\*\*\* WARNING MESSAGES \*\*\*\*\*

ME W186 1562 MEOPEN: THRESH\_1MIN 1-min ASOS wind speed threshold used 0.50  
ME W187 1562 MEOPEN: ADJ\_U\* Option for Stable Low Winds used in AERMET

\*\*\*\*\*

\*\*\* AERMOD Finishes Successfully \*\*\*

\*\*\*\*\*

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**APPENDIX 2.4:**

**AERMOD MODEL INPUT/OUTPUT – OPERATIONS**

```

** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 12.0.0
** Lakes Environmental Software Inc.
** Date: 9/20/2024
** File: C:\Users\Michael Tirohn\Desktop\HRAs\15639 Spreckels\15639 Ops HRA\15639 Ops HRA.ADI
**

```

```

*****
**
**
*****

```

```

** AERMOD Control Pathway
*****
**
**

```

```

CO STARTING
TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\15639 Spreckels\15639 Ops HRA\1
MODELOPT DFAULT CONC
AVERTIME PERIOD
URBANOPT 62651 Manteca
POLLUTID DPM
RUNORNOT RUN
ERRORFIL "15639 Ops HRA.err"

```

```

CO FINISHED
**
*****

```

```

** AERMOD Source Pathway
*****
**
**

```

```

SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **

```

Source ID	Type	X Coord.	Y Coord.
LOCATION IDLE1	POINT	658435.183	4184223.485
DESCRSRC Truck Idle			13.280
LOCATION IDLE2	POINT	658439.215	4184223.703
DESCRSRC Truck Idle			13.290
LOCATION IDLE3	POINT	658443.027	4184223.749
DESCRSRC Truck Idle			13.300
LOCATION IDLE4	POINT	658447.022	4184223.886
DESCRSRC Truck Idle			13.300
LOCATION IDLE5	POINT	658451.109	4184223.932
DESCRSRC Truck Idle			13.310
LOCATION IDLE6	POINT	658458.885	4184224.125
DESCRSRC Truck Idle			13.310
LOCATION IDLE7	POINT	658462.918	4184224.343
DESCRSRC Truck Idle			13.300
LOCATION IDLE8	POINT	658466.729	4184224.389
DESCRSRC Truck Idle			13.300
LOCATION IDLE9	POINT	658470.724	4184224.527
DESCRSRC Truck Idle			13.300
LOCATION IDLE10	POINT	658474.811	4184224.573
DESCRSRC Truck Idle			13.300
LOCATION IDLE11	POINT	658478.753	4184224.759
DESCRSRC Truck Idle			13.290
LOCATION IDLE12	POINT	658482.748	4184224.851
DESCRSRC Truck Idle			13.290
LOCATION IDLE13	POINT	658506.326	4184225.373
DESCRSRC Truck Idle			13.270
LOCATION IDLE14	POINT	658510.268	4184225.559
DESCRSRC Truck Idle			13.250
LOCATION IDLE15	POINT	658514.263	4184225.651
DESCRSRC Truck Idle			13.240

LOCATION	IDLE16	POINT	658490.400	4184224.926	13.290
** DESCRSRC	Truck Idle				
LOCATION	IDLE17	POINT	658494.432	4184225.144	13.290
** DESCRSRC	Truck Idle				
LOCATION	IDLE18	POINT	658498.244	4184225.189	13.280
** DESCRSRC	Truck Idle				
LOCATION	IDLE19	POINT	658502.239	4184225.327	13.280
** DESCRSRC	Truck Idle				
LOCATION	IDLE20	POINT	658538.103	4184226.246	13.190
** DESCRSRC	Truck Idle				
LOCATION	IDLE21	POINT	658542.045	4184226.432	13.180
** DESCRSRC	Truck Idle				
LOCATION	IDLE22	POINT	658546.040	4184226.524	13.170
** DESCRSRC	Truck Idle				
LOCATION	IDLE23	POINT	658522.177	4184225.798	13.220
** DESCRSRC	Truck Idle				
LOCATION	IDLE24	POINT	658526.209	4184226.016	13.210
** DESCRSRC	Truck Idle				
LOCATION	IDLE25	POINT	658530.021	4184226.062	13.200
** DESCRSRC	Truck Idle				
LOCATION	IDLE26	POINT	658534.016	4184226.200	13.200
** DESCRSRC	Truck Idle				
LOCATION	IDLE27	POINT	658569.559	4184227.026	13.200
** DESCRSRC	Truck Idle				
LOCATION	IDLE28	POINT	658573.500	4184227.212	13.200
** DESCRSRC	Truck Idle				
LOCATION	IDLE29	POINT	658577.495	4184227.304	13.210
** DESCRSRC	Truck Idle				
LOCATION	IDLE30	POINT	658553.633	4184226.579	13.170
** DESCRSRC	Truck Idle				
LOCATION	IDLE31	POINT	658557.665	4184226.797	13.180
** DESCRSRC	Truck Idle				
LOCATION	IDLE32	POINT	658561.477	4184226.843	13.180
** DESCRSRC	Truck Idle				
LOCATION	IDLE33	POINT	658565.472	4184226.980	13.190
** DESCRSRC	Truck Idle				
LOCATION	IDLE34	POINT	658601.336	4184227.945	13.250
** DESCRSRC	Truck Idle				
LOCATION	IDLE35	POINT	658605.277	4184228.131	13.250
** DESCRSRC	Truck Idle				
LOCATION	IDLE36	POINT	658609.272	4184228.223	13.250
** DESCRSRC	Truck Idle				
LOCATION	IDLE37	POINT	658585.410	4184227.497	13.220
** DESCRSRC	Truck Idle				
LOCATION	IDLE38	POINT	658589.442	4184227.715	13.230
** DESCRSRC	Truck Idle				
LOCATION	IDLE39	POINT	658593.254	4184227.761	13.240
** DESCRSRC	Truck Idle				
LOCATION	IDLE40	POINT	658597.249	4184227.899	13.240
** DESCRSRC	Truck Idle				
LOCATION	IDLE41	POINT	658632.975	4184228.725	13.290
** DESCRSRC	Truck Idle				
LOCATION	IDLE42	POINT	658636.917	4184228.911	13.300
** DESCRSRC	Truck Idle				
LOCATION	IDLE43	POINT	658617.049	4184228.278	13.260
** DESCRSRC	Truck Idle				
LOCATION	IDLE44	POINT	658621.081	4184228.496	13.270
** DESCRSRC	Truck Idle				
LOCATION	IDLE45	POINT	658624.893	4184228.542	13.270
** DESCRSRC	Truck Idle				
LOCATION	IDLE46	POINT	658628.888	4184228.679	13.280
** DESCRSRC	Truck Idle				
LOCATION	TRU1	POINT	658435.103	4184226.251	13.290
** DESCRSRC	TRU				
LOCATION	TRU2	POINT	658439.083	4184226.213	13.290
** DESCRSRC	TRU				

LOCATION	TRU3	POINT	658442.987	4184226.331	13.300
**	DESCRSRC	TRU			
LOCATION	TRU4	POINT	658446.852	4184226.409	13.310
**	DESCRSRC	TRU			
LOCATION	TRU5	POINT	658450.833	4184226.526	13.310
**	DESCRSRC	TRU			
LOCATION	TRU6	POINT	658458.774	4184226.822	13.310
**	DESCRSRC	TRU			
LOCATION	TRU7	POINT	658462.754	4184226.784	13.310
**	DESCRSRC	TRU			
LOCATION	TRU8	POINT	658466.658	4184226.901	13.300
**	DESCRSRC	TRU			
LOCATION	TRU9	POINT	658470.523	4184226.979	13.300
**	DESCRSRC	TRU			
LOCATION	TRU10	POINT	658474.504	4184227.096	13.300
**	DESCRSRC	TRU			
LOCATION	TRU11	POINT	658478.549	4184227.306	13.300
**	DESCRSRC	TRU			
LOCATION	TRU12	POINT	658482.569	4184227.346	13.300
**	DESCRSRC	TRU			
LOCATION	TRU13	POINT	658490.296	4184227.726	13.290
**	DESCRSRC	TRU			
LOCATION	TRU14	POINT	658494.276	4184227.688	13.290
**	DESCRSRC	TRU			
LOCATION	TRU15	POINT	658498.180	4184227.805	13.290
**	DESCRSRC	TRU			
LOCATION	TRU16	POINT	658502.044	4184227.883	13.280
**	DESCRSRC	TRU			
LOCATION	TRU17	POINT	658506.026	4184228.001	13.270
**	DESCRSRC	TRU			
LOCATION	TRU18	POINT	658510.070	4184228.211	13.260
**	DESCRSRC	TRU			
LOCATION	TRU19	POINT	658514.091	4184228.250	13.250
**	DESCRSRC	TRU			
LOCATION	TRU20	POINT	658521.938	4184228.553	13.230
**	DESCRSRC	TRU			
LOCATION	TRU21	POINT	658525.918	4184228.515	13.220
**	DESCRSRC	TRU			
LOCATION	TRU22	POINT	658529.822	4184228.632	13.210
**	DESCRSRC	TRU			
LOCATION	TRU23	POINT	658533.686	4184228.710	13.200
**	DESCRSRC	TRU			
LOCATION	TRU24	POINT	658537.668	4184228.827	13.190
**	DESCRSRC	TRU			
LOCATION	TRU25	POINT	658541.713	4184229.038	13.180
**	DESCRSRC	TRU			
LOCATION	TRU26	POINT	658545.733	4184229.077	13.170
**	DESCRSRC	TRU			
LOCATION	TRU27	POINT	658553.626	4184229.380	13.170
**	DESCRSRC	TRU			
LOCATION	TRU28	POINT	658557.606	4184229.342	13.170
**	DESCRSRC	TRU			
LOCATION	TRU29	POINT	658561.510	4184229.459	13.180
**	DESCRSRC	TRU			
LOCATION	TRU30	POINT	658565.375	4184229.537	13.180
**	DESCRSRC	TRU			
LOCATION	TRU31	POINT	658569.356	4184229.654	13.190
**	DESCRSRC	TRU			
LOCATION	TRU32	POINT	658573.401	4184229.864	13.190
**	DESCRSRC	TRU			
LOCATION	TRU33	POINT	658577.421	4184229.904	13.200
**	DESCRSRC	TRU			
LOCATION	TRU34	POINT	658585.223	4184230.206	13.210
**	DESCRSRC	TRU			
LOCATION	TRU35	POINT	658589.203	4184230.168	13.220
**	DESCRSRC	TRU			

LOCATION	TRU36	POINT	658593.106	4184230.285	13.230
**	DESCRSRC	TRU			
LOCATION	TRU37	POINT	658596.971	4184230.363	13.230
**	DESCRSRC	TRU			
LOCATION	TRU38	POINT	658600.953	4184230.481	13.240
**	DESCRSRC	TRU			
LOCATION	TRU39	POINT	658604.997	4184230.691	13.240
**	DESCRSRC	TRU			
LOCATION	TRU40	POINT	658609.018	4184230.730	13.250
**	DESCRSRC	TRU			
LOCATION	TRU41	POINT	658616.773	4184231.125	13.250
**	DESCRSRC	TRU			
LOCATION	TRU42	POINT	658620.753	4184231.087	13.260
**	DESCRSRC	TRU			
LOCATION	TRU43	POINT	658624.657	4184231.204	13.260
**	DESCRSRC	TRU			
LOCATION	TRU44	POINT	658628.521	4184231.282	13.270
**	DESCRSRC	TRU			
LOCATION	TRU45	POINT	658632.503	4184231.399	13.280
**	DESCRSRC	TRU			
LOCATION	TRU46	POINT	658636.547	4184231.610	13.290
**	DESCRSRC	TRU			
LOCATION	TTP1	POINT	658419.221	4184197.291	13.180
**	DESCRSRC	TTP Idle			
LOCATION	TTP2	POINT	658422.143	4184197.413	13.190
**	DESCRSRC	TTP Idle			
LOCATION	TTP3	POINT	658425.188	4184197.413	13.200
**	DESCRSRC	TTP Idle			
LOCATION	TTP4	POINT	658428.354	4184197.656	13.210
**	DESCRSRC	TTP Idle			
LOCATION	TTP5	POINT	658431.398	4184197.778	13.220
**	DESCRSRC	TTP Idle			
LOCATION	TTP6	POINT	658434.321	4184197.656	13.220
**	DESCRSRC	TTP Idle			
LOCATION	TTP7	POINT	658437.244	4184197.900	13.220
**	DESCRSRC	TTP Idle			
LOCATION	TTP8	POINT	658440.166	4184198.022	13.220
**	DESCRSRC	TTP Idle			
LOCATION	TTP9	POINT	658443.211	4184198.022	13.230
**	DESCRSRC	TTP Idle			
LOCATION	TTP10	POINT	658446.377	4184198.265	13.230
**	DESCRSRC	TTP Idle			
LOCATION	TTP11	POINT	658449.421	4184198.387	13.230
**	DESCRSRC	TTP Idle			
LOCATION	TTP12	POINT	658452.344	4184198.265	13.230
**	DESCRSRC	TTP Idle			
LOCATION	TTP13	POINT	658455.632	4184198.387	13.230
**	DESCRSRC	TTP Idle			
LOCATION	TTP14	POINT	658458.554	4184198.509	13.230
**	DESCRSRC	TTP Idle			
LOCATION	TTP15	POINT	658461.599	4184198.509	13.230
**	DESCRSRC	TTP Idle			
LOCATION	TTP16	POINT	658464.765	4184198.752	13.230
**	DESCRSRC	TTP Idle			
LOCATION	TTP17	POINT	658467.809	4184198.874	13.230
**	DESCRSRC	TTP Idle			
LOCATION	TTP18	POINT	658470.732	4184198.752	13.230
**	DESCRSRC	TTP Idle			
LOCATION	TTP19	POINT	658474.020	4184198.996	13.230
**	DESCRSRC	TTP Idle			
LOCATION	TTP20	POINT	658476.942	4184199.118	13.230
**	DESCRSRC	TTP Idle			
LOCATION	TTP21	POINT	658479.987	4184199.118	13.230
**	DESCRSRC	TTP Idle			
LOCATION	TTP22	POINT	658483.153	4184199.361	13.230
**	DESCRSRC	TTP Idle			

LOCATION	TTP23	POINT	658486.197	4184199.483	13.230
** DESCRSRC	TTP Idle				
LOCATION	TTP24	POINT	658489.120	4184199.361	13.230
** DESCRSRC	TTP Idle				
LOCATION	TTP25	POINT	658491.921	4184199.483	13.230
** DESCRSRC	TTP Idle				
LOCATION	TTP26	POINT	658494.844	4184199.605	13.230
** DESCRSRC	TTP Idle				
LOCATION	TTP27	POINT	658497.888	4184199.605	13.230
** DESCRSRC	TTP Idle				
LOCATION	TTP28	POINT	658501.054	4184199.848	13.230
** DESCRSRC	TTP Idle				
LOCATION	TTP29	POINT	658504.099	4184199.970	13.230
** DESCRSRC	TTP Idle				
LOCATION	TTP30	POINT	658507.021	4184199.848	13.220
** DESCRSRC	TTP Idle				
LOCATION	TTP31	POINT	658510.309	4184199.727	13.210
** DESCRSRC	TTP Idle				
LOCATION	TTP32	POINT	658513.232	4184199.848	13.210
** DESCRSRC	TTP Idle				
LOCATION	TTP33	POINT	658516.276	4184199.848	13.200
** DESCRSRC	TTP Idle				
LOCATION	TTP34	POINT	658519.442	4184200.092	13.200
** DESCRSRC	TTP Idle				
LOCATION	TTP35	POINT	658522.487	4184200.214	13.190
** DESCRSRC	TTP Idle				
LOCATION	TTP36	POINT	658525.409	4184200.092	13.190
** DESCRSRC	TTP Idle				
LOCATION	TTP37	POINT	658528.819	4184200.336	13.190
** DESCRSRC	TTP Idle				
LOCATION	TTP38	POINT	658531.742	4184200.457	13.190
** DESCRSRC	TTP Idle				
LOCATION	TTP39	POINT	658534.786	4184200.457	13.200
** DESCRSRC	TTP Idle				
LOCATION	TTP40	POINT	658537.952	4184200.701	13.200
** DESCRSRC	TTP Idle				
LOCATION	TTP41	POINT	658540.997	4184200.823	13.200
** DESCRSRC	TTP Idle				
LOCATION	TTP42	POINT	658543.919	4184200.701	13.200
** DESCRSRC	TTP Idle				
LOCATION	TTP43	POINT	658546.720	4184200.701	13.210
** DESCRSRC	TTP Idle				
LOCATION	TTP44	POINT	658549.643	4184200.823	13.210
** DESCRSRC	TTP Idle				
LOCATION	TTP45	POINT	658552.687	4184200.823	13.220
** DESCRSRC	TTP Idle				
LOCATION	TTP46	POINT	658555.853	4184201.066	13.230
** DESCRSRC	TTP Idle				
LOCATION	TTP47	POINT	658558.898	4184201.188	13.230
** DESCRSRC	TTP Idle				
LOCATION	TTP48	POINT	658561.820	4184201.066	13.240
** DESCRSRC	TTP Idle				
LOCATION	TTP49	POINT	658565.230	4184201.188	13.250
** DESCRSRC	TTP Idle				
LOCATION	TTP50	POINT	658568.153	4184201.310	13.260
** DESCRSRC	TTP Idle				
LOCATION	TTP51	POINT	658571.197	4184201.310	13.270
** DESCRSRC	TTP Idle				
LOCATION	TTP52	POINT	658574.363	4184201.553	13.280
** DESCRSRC	TTP Idle				
LOCATION	TTP53	POINT	658577.408	4184201.675	13.280
** DESCRSRC	TTP Idle				
LOCATION	TTP54	POINT	658580.330	4184201.553	13.290
** DESCRSRC	TTP Idle				
LOCATION	TTP55	POINT	658583.375	4184201.919	13.290
** DESCRSRC	TTP Idle				



LOCATION	TTP56	POINT	658586.297	4184202.040	13.290
**	DESCRSRC	TTP Idle			
LOCATION	TTP57	POINT	658589.342	4184202.040	13.300
**	DESCRSRC	TTP Idle			
LOCATION	TTP58	POINT	658592.508	4184202.284	13.300
**	DESCRSRC	TTP Idle			
LOCATION	TTP59	POINT	658595.552	4184202.406	13.310
**	DESCRSRC	TTP Idle			
LOCATION	TTP60	POINT	658598.475	4184202.284	13.310
**	DESCRSRC	TTP Idle			
LOCATION	TTP61	POINT	658601.763	4184202.162	13.310
**	DESCRSRC	TTP Idle			
LOCATION	TTP62	POINT	658604.685	4184202.284	13.320
**	DESCRSRC	TTP Idle			
LOCATION	TTP63	POINT	658607.730	4184202.284	13.320
**	DESCRSRC	TTP Idle			
LOCATION	TTP64	POINT	658610.896	4184202.527	13.320
**	DESCRSRC	TTP Idle			
LOCATION	TTP65	POINT	658613.940	4184202.649	13.320
**	DESCRSRC	TTP Idle			
LOCATION	TTP66	POINT	658616.863	4184202.527	13.320
**	DESCRSRC	TTP Idle			
LOCATION	TTP67	POINT	658619.907	4184202.771	13.320
**	DESCRSRC	TTP Idle			
LOCATION	TTP68	POINT	658622.830	4184202.893	13.320
**	DESCRSRC	TTP Idle			
LOCATION	TTP69	POINT	658625.874	4184202.893	13.320
**	DESCRSRC	TTP Idle			
LOCATION	TTP70	POINT	658629.041	4184203.136	13.320
**	DESCRSRC	TTP Idle			
LOCATION	TTP71	POINT	658632.085	4184203.258	13.320
**	DESCRSRC	TTP Idle			
LOCATION	TTP72	POINT	658635.008	4184203.136	13.330
**	DESCRSRC	TTP Idle			
LOCATION	TTP73	POINT	658638.174	4184203.258	13.330
**	DESCRSRC	TTP Idle			
LOCATION	TTP74	POINT	658641.096	4184203.380	13.330
**	DESCRSRC	TTP Idle			
LOCATION	TTP75	POINT	658644.141	4184203.380	13.330
**	DESCRSRC	TTP Idle			
LOCATION	TTP76	POINT	658647.307	4184203.623	13.330
**	DESCRSRC	TTP Idle			
LOCATION	TTP77	POINT	658650.351	4184203.745	13.340
**	DESCRSRC	TTP Idle			
LOCATION	TTP78	POINT	658653.274	4184203.623	13.350
**	DESCRSRC	TTP Idle			
LOCATION	TTP79	POINT	658656.075	4184203.745	13.360
**	DESCRSRC	TTP Idle			
LOCATION	TTP80	POINT	658658.997	4184203.867	13.370
**	DESCRSRC	TTP Idle			
LOCATION	TTP81	POINT	658662.042	4184203.867	13.380
**	DESCRSRC	TTP Idle			
LOCATION	TTP82	POINT	658665.208	4184204.111	13.400
**	DESCRSRC	TTP Idle			
LOCATION	TTP83	POINT	658668.252	4184204.232	13.410
**	DESCRSRC	TTP Idle			

-----

\*\* Line Source Represented by Adjacent Volume Sources  
 \*\* LINE VOLUME Source ID = SLINE1  
 \*\* DESCRSRC On-Site  
 \*\* PREFIX  
 \*\* Length of Side = 8.59  
 \*\* Configuration = Adjacent  
 \*\* Emission Rate = 0.00008511  
 \*\* Vertical Dimension = 6.99  
 \*\* SZINIT = 3.25

```

** Nodes = 7
** 658415.809, 4184209.947, 13.21, 3.49, 4.00
** 658601.519, 4184213.680, 13.30, 3.49, 4.00
** 658684.575, 4184216.013, 13.51, 3.49, 4.00
** 658704.172, 4184217.180, 13.56, 3.49, 4.00
** 658717.471, 4184217.413, 13.60, 3.49, 4.00
** 658738.935, 4184219.979, 13.57, 3.49, 4.00
** 658762.732, 4184224.879, 13.10, 3.49, 4.00

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** -----
LOCATION L0000001    VOLUME  658420.103 4184210.034 13.23
LOCATION L0000002    VOLUME  658428.692 4184210.206 13.27
LOCATION L0000003    VOLUME  658437.280 4184210.379 13.28
LOCATION L0000004    VOLUME  658445.868 4184210.551 13.28
LOCATION L0000005    VOLUME  658454.456 4184210.724 13.29
LOCATION L0000006    VOLUME  658463.045 4184210.897 13.28
LOCATION L0000007    VOLUME  658471.633 4184211.069 13.28
LOCATION L0000008    VOLUME  658480.221 4184211.242 13.27
LOCATION L0000009    VOLUME  658488.810 4184211.415 13.26
LOCATION L0000010    VOLUME  658497.398 4184211.587 13.26
LOCATION L0000011    VOLUME  658505.986 4184211.760 13.24
LOCATION L0000012    VOLUME  658514.574 4184211.932 13.21
LOCATION L0000013    VOLUME  658523.163 4184212.105 13.19
LOCATION L0000014    VOLUME  658531.751 4184212.278 13.18
LOCATION L0000015    VOLUME  658540.339 4184212.450 13.18
LOCATION L0000016    VOLUME  658548.927 4184212.623 13.18
LOCATION L0000017    VOLUME  658557.516 4184212.796 13.20
LOCATION L0000018    VOLUME  658566.104 4184212.968 13.23
LOCATION L0000019    VOLUME  658574.692 4184213.141 13.26
LOCATION L0000020    VOLUME  658583.280 4184213.313 13.28
LOCATION L0000021    VOLUME  658591.869 4184213.486 13.29
LOCATION L0000022    VOLUME  658600.457 4184213.659 13.30
LOCATION L0000023    VOLUME  658609.044 4184213.891 13.31
LOCATION L0000024    VOLUME  658617.630 4184214.133 13.31
LOCATION L0000025    VOLUME  658626.217 4184214.374 13.31
LOCATION L0000026    VOLUME  658634.804 4184214.615 13.32
LOCATION L0000027    VOLUME  658643.390 4184214.856 13.33
LOCATION L0000028    VOLUME  658651.977 4184215.097 13.35
LOCATION L0000029    VOLUME  658660.563 4184215.339 13.40
LOCATION L0000030    VOLUME  658669.150 4184215.580 13.44
LOCATION L0000031    VOLUME  658677.737 4184215.821 13.48
LOCATION L0000032    VOLUME  658686.321 4184216.117 13.51
LOCATION L0000033    VOLUME  658694.896 4184216.627 13.55
LOCATION L0000034    VOLUME  658703.471 4184217.138 13.57
LOCATION L0000035    VOLUME  658712.058 4184217.318 13.58
LOCATION L0000036    VOLUME  658720.625 4184217.790 13.60
LOCATION L0000037    VOLUME  658729.154 4184218.810 13.60
LOCATION L0000038    VOLUME  658737.683 4184219.830 13.59
LOCATION L0000039    VOLUME  658746.114 4184221.457 13.54
LOCATION L0000040    VOLUME  658754.527 4184223.190 13.33

```

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** End of LINE VOLUME Source ID = SLINE1
LOCATION STCK1      POINT    658699.750 4184281.400      13.560
** DESCRSRC Fire Pump
LOCATION STCK2      POINT    658700.160 4184271.260      13.560
** DESCRSRC Emergency Generator

```

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** -----
** Line Source Represented by Adjacent Volume Sources

```

```

** LINE VOLUME Source ID = SLINE2
** DESCRSRC Spreckels S 71.12%
** PREFIX
** Length of Side = 14.00
** Configuration = Adjacent
** Emission Rate = 0.00002895
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 10
** 658773.380, 4184223.229, 13.01, 3.49, 6.51

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\*\* 658777.575, 4184195.266, 12.95, 3.49, 6.51  
\*\* 658777.575, 4184152.389, 12.90, 3.49, 6.51  
\*\* 658773.846, 4184100.658, 13.02, 3.49, 6.51  
\*\* 658756.137, 4184034.479, 12.95, 3.49, 6.51  
\*\* 658742.621, 4183996.729, 12.81, 3.49, 6.51  
\*\* 658722.115, 4183953.853, 12.87, 3.49, 6.51  
\*\* 658633.566, 4183821.495, 12.98, 3.49, 6.51  
\*\* 658569.717, 4183730.149, 12.58, 3.49, 6.51  
\*\* 658479.770, 4183604.782, 12.56, 3.49, 6.51

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\*\*  
LOCATION L0000041        VOLUME    658774.419 4184216.306 12.95  
LOCATION L0000042        VOLUME    658776.496 4184202.461 12.95  
LOCATION L0000043        VOLUME    658777.575 4184188.542 12.95  
LOCATION L0000044        VOLUME    658777.575 4184174.542 12.92  
LOCATION L0000045        VOLUME    658777.575 4184160.542 12.89  
LOCATION L0000046        VOLUME    658777.154 4184146.557 12.92  
LOCATION L0000047        VOLUME    658776.148 4184132.593 12.99  
LOCATION L0000048        VOLUME    658775.142 4184118.629 13.05  
LOCATION L0000049        VOLUME    658774.135 4184104.666 13.03  
LOCATION L0000050        VOLUME    658771.266 4184091.015 12.98  
LOCATION L0000051        VOLUME    658767.647 4184077.491 12.96  
LOCATION L0000052        VOLUME    658764.028 4184063.967 12.95  
LOCATION L0000053        VOLUME    658760.409 4184050.443 12.96  
LOCATION L0000054        VOLUME    658756.789 4184036.919 12.95  
LOCATION L0000055        VOLUME    658752.269 4184023.676 12.91  
LOCATION L0000056        VOLUME    658747.550 4184010.495 12.84  
LOCATION L0000057        VOLUME    658742.831 4183997.315 12.86  
LOCATION L0000058        VOLUME    658736.849 4183984.660 12.90  
LOCATION L0000059        VOLUME    658730.809 4183972.030 12.93  
LOCATION L0000060        VOLUME    658724.768 4183959.401 12.92  
LOCATION L0000061        VOLUME    658717.750 4183947.328 12.89  
LOCATION L0000062        VOLUME    658709.965 4183935.692 12.89  
LOCATION L0000063        VOLUME    658702.181 4183924.056 12.89  
LOCATION L0000064        VOLUME    658694.396 4183912.420 12.88  
LOCATION L0000065        VOLUME    658686.611 4183900.784 12.94  
LOCATION L0000066        VOLUME    658678.826 4183889.148 12.99  
LOCATION L0000067        VOLUME    658671.042 4183877.511 13.15  
LOCATION L0000068        VOLUME    658663.257 4183865.875 13.23  
LOCATION L0000069        VOLUME    658655.472 4183854.239 13.09  
LOCATION L0000070        VOLUME    658647.688 4183842.603 12.85  
LOCATION L0000071        VOLUME    658639.903 4183830.967 12.93  
LOCATION L0000072        VOLUME    658632.074 4183819.361 12.96  
LOCATION L0000073        VOLUME    658624.054 4183807.886 12.92  
LOCATION L0000074        VOLUME    658616.033 4183796.412 12.89  
LOCATION L0000075        VOLUME    658608.012 4183784.937 12.90  
LOCATION L0000076        VOLUME    658599.992 4183773.462 12.80  
LOCATION L0000077        VOLUME    658591.971 4183761.987 12.74  
LOCATION L0000078        VOLUME    658583.951 4183750.513 12.76  
LOCATION L0000079        VOLUME    658575.930 4183739.038 12.62  
LOCATION L0000080        VOLUME    658567.878 4183727.586 12.52  
LOCATION L0000081        VOLUME    658559.716 4183716.210 12.51  
LOCATION L0000082        VOLUME    658551.555 4183704.835 12.23  
LOCATION L0000083        VOLUME    658543.394 4183693.460 12.20  
LOCATION L0000084        VOLUME    658535.232 4183682.085 12.27  
LOCATION L0000085        VOLUME    658527.071 4183670.710 12.05  
LOCATION L0000086        VOLUME    658518.910 4183659.335 12.11  
LOCATION L0000087        VOLUME    658510.748 4183647.960 12.14  
LOCATION L0000088        VOLUME    658502.587 4183636.585 12.14  
LOCATION L0000089        VOLUME    658494.426 4183625.210 12.42  
LOCATION L0000090        VOLUME    658486.265 4183613.835 12.48

\*\* End of LINE VOLUME Source ID = SLINE2

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\*\* Line Source Represented by Adjacent Volume Sources  
\*\* LINE VOLUME Source ID = SLINE3  
\*\* DESCRSRC Spreckels S 37.93%  
\*\* PREFIX

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** Length of Side = 14.00
** Configuration = Adjacent
** Emission Rate = 0.00004855
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 18
** 658479.703, 4183602.879, 12.57, 3.49, 6.51
** 658440.998, 4183545.467, 12.80, 3.49, 6.51
** 658404.874, 4183508.053, 12.70, 3.49, 6.51
** 658348.752, 4183472.573, 12.96, 3.49, 6.51
** 658313.273, 4183459.027, 12.90, 3.49, 6.51
** 658273.278, 4183449.351, 13.05, 3.49, 6.51
** 658235.864, 4183448.060, 13.21, 3.49, 6.51
** 658002.346, 4183441.610, 12.76, 3.49, 6.51
** 657926.872, 4183446.125, 12.28, 3.49, 6.51
** 657908.439, 4183448.168, 12.04, 3.49, 6.51
** 657870.937, 4183464.240, 11.81, 3.49, 6.51
** 657678.617, 4183554.320, 11.22, 3.49, 6.51
** 657368.460, 4183705.863, 11.53, 3.49, 6.51
** 657316.598, 4183729.099, 11.47, 3.49, 6.51
** 657297.066, 4183738.529, 11.48, 3.49, 6.51
** 657248.750, 4183749.256, 11.39, 3.49, 6.51
** 657089.806, 4183749.256, 11.41, 3.49, 6.51
** 657113.915, 4183052.762, 11.70, 3.49, 6.51

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LOCATION L0000091      VOLUME  658475.790 4183597.075 12.59
LOCATION L0000092      VOLUME  658467.964 4183585.466 12.78
LOCATION L0000093      VOLUME  658460.138 4183573.858 12.99
LOCATION L0000094      VOLUME  658452.312 4183562.249 13.07
LOCATION L0000095      VOLUME  658444.486 4183550.641 12.90
LOCATION L0000096      VOLUME  658435.608 4183539.884 12.73
LOCATION L0000097      VOLUME  658425.884 4183529.813 12.62
LOCATION L0000098      VOLUME  658416.160 4183519.741 12.61
LOCATION L0000099      VOLUME  658406.435 4183509.670 12.65
LOCATION L0000100      VOLUME  658394.940 4183501.773 12.70
LOCATION L0000101      VOLUME  658383.107 4183494.292 12.72
LOCATION L0000102      VOLUME  658371.273 4183486.811 12.77
LOCATION L0000103      VOLUME  658359.439 4183479.330 12.85
LOCATION L0000104      VOLUME  658347.485 4183472.089 12.92
LOCATION L0000105      VOLUME  658334.406 4183467.096 12.93
LOCATION L0000106      VOLUME  658321.327 4183462.102 12.93
LOCATION L0000107      VOLUME  658308.045 4183457.762 12.99
LOCATION L0000108      VOLUME  658294.438 4183454.470 13.08
LOCATION L0000109      VOLUME  658280.830 4183451.178 13.17
LOCATION L0000110      VOLUME  658267.052 4183449.136 13.23
LOCATION L0000111      VOLUME  658253.060 4183448.653 13.24
LOCATION L0000112      VOLUME  658239.068 4183448.171 13.24
LOCATION L0000113      VOLUME  658225.074 4183447.762 13.23
LOCATION L0000114      VOLUME  658211.080 4183447.376 13.21
LOCATION L0000115      VOLUME  658197.085 4183446.989 13.19
LOCATION L0000116      VOLUME  658183.090 4183446.603 13.18
LOCATION L0000117      VOLUME  658169.096 4183446.216 13.17
LOCATION L0000118      VOLUME  658155.101 4183445.829 13.13
LOCATION L0000119      VOLUME  658141.106 4183445.443 13.09
LOCATION L0000120      VOLUME  658127.112 4183445.056 13.05
LOCATION L0000121      VOLUME  658113.117 4183444.670 13.02
LOCATION L0000122      VOLUME  658099.122 4183444.283 12.99
LOCATION L0000123      VOLUME  658085.128 4183443.896 12.96
LOCATION L0000124      VOLUME  658071.133 4183443.510 12.93
LOCATION L0000125      VOLUME  658057.138 4183443.123 12.92
LOCATION L0000126      VOLUME  658043.144 4183442.737 12.89
LOCATION L0000127      VOLUME  658029.149 4183442.350 12.86
LOCATION L0000128      VOLUME  658015.154 4183441.963 12.81
LOCATION L0000129      VOLUME  658001.161 4183441.680 12.75
LOCATION L0000130      VOLUME  657987.186 4183442.517 12.67
LOCATION L0000131      VOLUME  657973.211 4183443.353 12.59

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LOCATION	L0000132	VOLUME	657959.236	4183444.189	12.49
LOCATION	L0000133	VOLUME	657945.261	4183445.025	12.40
LOCATION	L0000134	VOLUME	657931.286	4183445.861	12.30
LOCATION	L0000135	VOLUME	657917.353	4183447.180	12.16
LOCATION	L0000136	VOLUME	657903.814	4183450.150	12.01
LOCATION	L0000137	VOLUME	657890.946	4183455.665	11.91
LOCATION	L0000138	VOLUME	657878.078	4183461.180	11.79
LOCATION	L0000139	VOLUME	657865.294	4183466.883	11.80
LOCATION	L0000140	VOLUME	657852.616	4183472.822	11.77
LOCATION	L0000141	VOLUME	657839.938	4183478.760	11.74
LOCATION	L0000142	VOLUME	657827.260	4183484.698	11.66
LOCATION	L0000143	VOLUME	657814.582	4183490.637	11.56
LOCATION	L0000144	VOLUME	657801.903	4183496.575	11.50
LOCATION	L0000145	VOLUME	657789.225	4183502.513	11.46
LOCATION	L0000146	VOLUME	657776.547	4183508.451	11.41
LOCATION	L0000147	VOLUME	657763.869	4183514.390	11.33
LOCATION	L0000148	VOLUME	657751.191	4183520.328	11.25
LOCATION	L0000149	VOLUME	657738.512	4183526.266	11.27
LOCATION	L0000150	VOLUME	657725.834	4183532.204	11.28
LOCATION	L0000151	VOLUME	657713.156	4183538.143	11.29
LOCATION	L0000152	VOLUME	657700.478	4183544.081	11.24
LOCATION	L0000153	VOLUME	657687.800	4183550.019	11.25
LOCATION	L0000154	VOLUME	657675.149	4183556.015	11.36
LOCATION	L0000155	VOLUME	657662.570	4183562.161	11.44
LOCATION	L0000156	VOLUME	657649.991	4183568.307	11.44
LOCATION	L0000157	VOLUME	657637.412	4183574.453	11.40
LOCATION	L0000158	VOLUME	657624.833	4183580.599	11.43
LOCATION	L0000159	VOLUME	657612.255	4183586.745	11.52
LOCATION	L0000160	VOLUME	657599.676	4183592.891	11.56
LOCATION	L0000161	VOLUME	657587.097	4183599.037	11.53
LOCATION	L0000162	VOLUME	657574.518	4183605.183	11.45
LOCATION	L0000163	VOLUME	657561.939	4183611.329	11.43
LOCATION	L0000164	VOLUME	657549.361	4183617.475	11.46
LOCATION	L0000165	VOLUME	657536.782	4183623.621	11.45
LOCATION	L0000166	VOLUME	657524.203	4183629.767	11.40
LOCATION	L0000167	VOLUME	657511.624	4183635.913	11.26
LOCATION	L0000168	VOLUME	657499.045	4183642.059	11.19
LOCATION	L0000169	VOLUME	657486.466	4183648.205	11.15
LOCATION	L0000170	VOLUME	657473.888	4183654.351	11.12
LOCATION	L0000171	VOLUME	657461.309	4183660.497	11.06
LOCATION	L0000172	VOLUME	657448.730	4183666.643	10.96
LOCATION	L0000173	VOLUME	657436.151	4183672.789	10.99
LOCATION	L0000174	VOLUME	657423.572	4183678.935	11.15
LOCATION	L0000175	VOLUME	657410.994	4183685.081	11.27
LOCATION	L0000176	VOLUME	657398.415	4183691.227	11.33
LOCATION	L0000177	VOLUME	657385.836	4183697.373	11.34
LOCATION	L0000178	VOLUME	657373.257	4183703.519	11.45
LOCATION	L0000179	VOLUME	657360.678	4183709.665	11.50
LOCATION	L0000180	VOLUME	657347.099	4183715.811	11.51
LOCATION	L0000181	VOLUME	657335.520	4183721.957	11.49
LOCATION	L0000182	VOLUME	657322.941	4183728.103	11.46
LOCATION	L0000183	VOLUME	657309.362	4183734.249	11.46
LOCATION	L0000184	VOLUME	657296.783	4183740.395	11.45
LOCATION	L0000185	VOLUME	657283.204	4183746.541	11.43
LOCATION	L0000186	VOLUME	657269.625	4183752.687	11.41
LOCATION	L0000187	VOLUME	657255.046	4183758.833	11.39
LOCATION	L0000188	VOLUME	657242.467	4183764.979	11.36
LOCATION	L0000189	VOLUME	657228.888	4183771.125	11.33
LOCATION	L0000190	VOLUME	657214.309	4183777.271	11.30
LOCATION	L0000191	VOLUME	657200.730	4183783.417	11.29
LOCATION	L0000192	VOLUME	657186.151	4183789.563	11.28
LOCATION	L0000193	VOLUME	657172.572	4183795.709	11.28
LOCATION	L0000194	VOLUME	657158.993	4183801.855	11.30
LOCATION	L0000195	VOLUME	657144.414	4183808.001	11.34
LOCATION	L0000196	VOLUME	657130.835	4183814.147	11.39
LOCATION	L0000197	VOLUME	657116.256	4183820.293	11.44

LOCATION	VOLUME				
LOCATION L0000198	VOLUME	657102.100	4183749.256	11.43	
LOCATION L0000199	VOLUME	657089.865	4183747.551	11.40	
LOCATION L0000200	VOLUME	657090.349	4183733.559	11.37	
LOCATION L0000201	VOLUME	657090.834	4183719.568	11.33	
LOCATION L0000202	VOLUME	657091.318	4183705.576	11.29	
LOCATION L0000203	VOLUME	657091.802	4183691.585	11.25	
LOCATION L0000204	VOLUME	657092.287	4183677.593	11.17	
LOCATION L0000205	VOLUME	657092.771	4183663.601	11.08	
LOCATION L0000206	VOLUME	657093.255	4183649.610	11.02	
LOCATION L0000207	VOLUME	657093.740	4183635.618	10.96	
LOCATION L0000208	VOLUME	657094.224	4183621.627	10.96	
LOCATION L0000209	VOLUME	657094.708	4183607.635	11.01	
LOCATION L0000210	VOLUME	657095.193	4183593.643	11.03	
LOCATION L0000211	VOLUME	657095.677	4183579.652	11.02	
LOCATION L0000212	VOLUME	657096.161	4183565.660	11.02	
LOCATION L0000213	VOLUME	657096.646	4183551.668	11.13	
LOCATION L0000214	VOLUME	657097.130	4183537.677	11.24	
LOCATION L0000215	VOLUME	657097.614	4183523.685	11.41	
LOCATION L0000216	VOLUME	657098.099	4183509.694	11.59	
LOCATION L0000217	VOLUME	657098.583	4183495.702	11.78	
LOCATION L0000218	VOLUME	657099.067	4183481.710	11.97	
LOCATION L0000219	VOLUME	657099.552	4183467.719	12.03	
LOCATION L0000220	VOLUME	657100.036	4183453.727	11.98	
LOCATION L0000221	VOLUME	657100.520	4183439.735	12.02	
LOCATION L0000222	VOLUME	657101.005	4183425.744	12.24	
LOCATION L0000223	VOLUME	657101.489	4183411.752	12.48	
LOCATION L0000224	VOLUME	657101.973	4183397.761	12.80	
LOCATION L0000225	VOLUME	657102.458	4183383.769	13.12	
LOCATION L0000226	VOLUME	657102.942	4183369.777	13.43	
LOCATION L0000227	VOLUME	657103.426	4183355.786	13.75	
LOCATION L0000228	VOLUME	657103.911	4183341.794	14.00	
LOCATION L0000229	VOLUME	657104.395	4183327.803	14.24	
LOCATION L0000230	VOLUME	657104.879	4183313.811	14.00	
LOCATION L0000231	VOLUME	657105.363	4183299.819	13.30	
LOCATION L0000232	VOLUME	657105.848	4183285.828	12.72	
LOCATION L0000233	VOLUME	657106.332	4183271.836	12.46	
LOCATION L0000234	VOLUME	657106.816	4183257.844	12.30	
LOCATION L0000235	VOLUME	657107.301	4183243.853	13.07	
LOCATION L0000236	VOLUME	657107.785	4183229.861	13.87	
LOCATION L0000237	VOLUME	657108.269	4183215.870	13.95	
LOCATION L0000238	VOLUME	657108.754	4183201.878	13.97	
LOCATION L0000239	VOLUME	657109.238	4183187.886	13.82	
LOCATION L0000240	VOLUME	657109.722	4183173.895	13.61	
LOCATION L0000241	VOLUME	657110.207	4183159.903	13.36	
LOCATION L0000242	VOLUME	657110.691	4183145.911	13.07	
LOCATION L0000243	VOLUME	657111.175	4183131.920	12.77	
LOCATION L0000244	VOLUME	657111.660	4183117.928	12.41	
LOCATION L0000245	VOLUME	657112.144	4183103.937	12.08	
LOCATION L0000246	VOLUME	657112.628	4183089.945	11.93	
LOCATION L0000247	VOLUME	657113.113	4183075.953	11.77	
LOCATION L0000248	VOLUME	657113.597	4183061.962	11.78	

\*\* End of LINE VOLUME Source ID = SLINE3

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\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE4

\*\* DESCRSRC Mofatt 9.27%

\*\* PREFIX

\*\* Length of Side = 14.00

\*\* Configuration = Adjacent

\*\* Emission Rate = 9.441E-06

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 15

\*\* 658473.571, 4183597.801, 12.61, 3.49, 6.51

\*\* 658365.115, 4183676.778, 12.74, 3.49, 6.51

\*\* 658143.756, 4183838.071, 11.67, 3.49, 6.51

\*\* 658061.441, 4183898.138, 11.43, 3.49, 6.51  
 \*\* 657958.548, 4183972.110, 11.41, 3.49, 6.51  
 \*\* 657919.059, 4184007.149, 11.52, 3.49, 6.51  
 \*\* 657890.694, 4184041.076, 11.54, 3.49, 6.51  
 \*\* 657859.548, 4184074.447, 11.47, 3.49, 6.51  
 \*\* 657810.048, 4184112.267, 11.30, 3.49, 6.51  
 \*\* 657595.362, 4184262.436, 11.90, 3.49, 6.51  
 \*\* 657317.272, 4184459.880, 11.65, 3.49, 6.51  
 \*\* 657123.165, 4184601.706, 11.24, 3.49, 6.51  
 \*\* 657087.570, 4184626.734, 11.09, 3.49, 6.51  
 \*\* 657059.761, 4184638.970, 11.03, 3.49, 6.51  
 \*\* 657056.980, 4184638.970, 11.01, 3.49, 6.51

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LOCATION	L0000249	VOLUME	658467.912	4183601.921	12.58
LOCATION	L0000250	VOLUME	658456.595	4183610.163	12.54
LOCATION	L0000251	VOLUME	658445.277	4183618.404	12.50
LOCATION	L0000252	VOLUME	658433.960	4183626.645	12.37
LOCATION	L0000253	VOLUME	658422.643	4183634.887	12.22
LOCATION	L0000254	VOLUME	658411.326	4183643.128	12.28
LOCATION	L0000255	VOLUME	658400.008	4183651.369	12.40
LOCATION	L0000256	VOLUME	658388.691	4183659.610	12.48
LOCATION	L0000257	VOLUME	658377.374	4183667.852	12.44
LOCATION	L0000258	VOLUME	658366.056	4183676.093	12.66
LOCATION	L0000259	VOLUME	658354.741	4183684.337	12.80
LOCATION	L0000260	VOLUME	658343.426	4183692.582	12.78
LOCATION	L0000261	VOLUME	658332.111	4183700.826	12.75
LOCATION	L0000262	VOLUME	658320.796	4183709.071	12.76
LOCATION	L0000263	VOLUME	658309.482	4183717.316	12.75
LOCATION	L0000264	VOLUME	658298.167	4183725.560	12.65
LOCATION	L0000265	VOLUME	658286.852	4183733.805	12.60
LOCATION	L0000266	VOLUME	658275.537	4183742.049	12.57
LOCATION	L0000267	VOLUME	658264.222	4183750.294	12.54
LOCATION	L0000268	VOLUME	658252.907	4183758.538	12.44
LOCATION	L0000269	VOLUME	658241.592	4183766.783	12.39
LOCATION	L0000270	VOLUME	658230.277	4183775.027	12.34
LOCATION	L0000271	VOLUME	658218.962	4183783.272	12.25
LOCATION	L0000272	VOLUME	658207.647	4183791.516	12.14
LOCATION	L0000273	VOLUME	658196.332	4183799.761	12.06
LOCATION	L0000274	VOLUME	658185.017	4183808.005	11.98
LOCATION	L0000275	VOLUME	658173.702	4183816.250	11.89
LOCATION	L0000276	VOLUME	658162.388	4183824.495	11.81
LOCATION	L0000277	VOLUME	658151.073	4183832.739	11.72
LOCATION	L0000278	VOLUME	658139.760	4183840.986	11.66
LOCATION	L0000279	VOLUME	658128.451	4183849.239	11.60
LOCATION	L0000280	VOLUME	658117.142	4183857.492	11.56
LOCATION	L0000281	VOLUME	658105.833	4183865.744	11.49
LOCATION	L0000282	VOLUME	658094.523	4183873.997	11.46
LOCATION	L0000283	VOLUME	658083.214	4183882.249	11.46
LOCATION	L0000284	VOLUME	658071.905	4183890.502	11.44
LOCATION	L0000285	VOLUME	658060.592	4183898.748	11.42
LOCATION	L0000286	VOLUME	658049.225	4183906.921	11.39
LOCATION	L0000287	VOLUME	658037.857	4183915.093	11.36
LOCATION	L0000288	VOLUME	658026.490	4183923.265	11.37
LOCATION	L0000289	VOLUME	658015.123	4183931.437	11.38
LOCATION	L0000290	VOLUME	658003.755	4183939.609	11.36
LOCATION	L0000291	VOLUME	657992.388	4183947.781	11.36
LOCATION	L0000292	VOLUME	657981.021	4183955.954	11.37
LOCATION	L0000293	VOLUME	657969.653	4183964.126	11.39
LOCATION	L0000294	VOLUME	657958.307	4183972.324	11.40
LOCATION	L0000295	VOLUME	657947.835	4183981.616	11.46
LOCATION	L0000296	VOLUME	657937.363	4183990.908	11.48
LOCATION	L0000297	VOLUME	657926.891	4184000.200	11.46
LOCATION	L0000298	VOLUME	657916.795	4184009.857	11.50
LOCATION	L0000299	VOLUME	657907.815	4184020.597	11.51
LOCATION	L0000300	VOLUME	657898.836	4184031.338	11.51
LOCATION	L0000301	VOLUME	657889.802	4184042.031	11.52

LOCATION	L0000302	VOLUME	657880.250	4184052.266	11.47
LOCATION	L0000303	VOLUME	657870.697	4184062.501	11.45
LOCATION	L0000304	VOLUME	657861.145	4184072.736	11.46
LOCATION	L0000305	VOLUME	657850.283	4184081.526	11.45
LOCATION	L0000306	VOLUME	657839.159	4184090.025	11.43
LOCATION	L0000307	VOLUME	657828.034	4184098.525	11.45
LOCATION	L0000308	VOLUME	657816.910	4184107.025	11.50
LOCATION	L0000309	VOLUME	657805.652	4184115.342	11.40
LOCATION	L0000310	VOLUME	657794.180	4184123.367	11.41
LOCATION	L0000311	VOLUME	657782.708	4184131.391	11.46
LOCATION	L0000312	VOLUME	657771.236	4184139.416	11.50
LOCATION	L0000313	VOLUME	657759.764	4184147.440	11.42
LOCATION	L0000314	VOLUME	657748.292	4184155.465	11.45
LOCATION	L0000315	VOLUME	657736.820	4184163.489	11.55
LOCATION	L0000316	VOLUME	657725.348	4184171.513	11.51
LOCATION	L0000317	VOLUME	657713.876	4184179.538	11.51
LOCATION	L0000318	VOLUME	657702.404	4184187.562	11.60
LOCATION	L0000319	VOLUME	657690.931	4184195.587	11.78
LOCATION	L0000320	VOLUME	657679.459	4184203.611	11.82
LOCATION	L0000321	VOLUME	657667.987	4184211.636	11.83
LOCATION	L0000322	VOLUME	657656.515	4184219.660	11.81
LOCATION	L0000323	VOLUME	657645.043	4184227.685	11.83
LOCATION	L0000324	VOLUME	657633.571	4184235.709	11.83
LOCATION	L0000325	VOLUME	657622.099	4184243.734	11.84
LOCATION	L0000326	VOLUME	657610.627	4184251.758	11.86
LOCATION	L0000327	VOLUME	657599.155	4184259.783	11.89
LOCATION	L0000328	VOLUME	657587.721	4184267.861	11.87
LOCATION	L0000329	VOLUME	657576.306	4184275.966	11.87
LOCATION	L0000330	VOLUME	657564.890	4184284.071	11.91
LOCATION	L0000331	VOLUME	657553.475	4184292.176	11.93
LOCATION	L0000332	VOLUME	657542.060	4184300.281	11.93
LOCATION	L0000333	VOLUME	657530.644	4184308.386	11.94
LOCATION	L0000334	VOLUME	657519.229	4184316.491	11.94
LOCATION	L0000335	VOLUME	657507.814	4184324.595	11.93
LOCATION	L0000336	VOLUME	657496.398	4184332.700	11.91
LOCATION	L0000337	VOLUME	657484.983	4184340.805	11.90
LOCATION	L0000338	VOLUME	657473.567	4184348.910	11.90
LOCATION	L0000339	VOLUME	657462.152	4184357.015	11.89
LOCATION	L0000340	VOLUME	657450.737	4184365.120	11.87
LOCATION	L0000341	VOLUME	657439.321	4184373.225	11.88
LOCATION	L0000342	VOLUME	657427.906	4184381.330	11.90
LOCATION	L0000343	VOLUME	657416.491	4184389.435	11.88
LOCATION	L0000344	VOLUME	657405.075	4184397.540	11.86
LOCATION	L0000345	VOLUME	657393.660	4184405.645	11.85
LOCATION	L0000346	VOLUME	657382.245	4184413.749	11.80
LOCATION	L0000347	VOLUME	657370.829	4184421.854	11.78
LOCATION	L0000348	VOLUME	657359.414	4184429.959	11.77
LOCATION	L0000349	VOLUME	657347.998	4184438.064	11.75
LOCATION	L0000350	VOLUME	657336.583	4184446.169	11.74
LOCATION	L0000351	VOLUME	657325.168	4184454.274	11.70
LOCATION	L0000352	VOLUME	657313.787	4184462.427	11.65
LOCATION	L0000353	VOLUME	657302.483	4184470.686	11.64
LOCATION	L0000354	VOLUME	657291.179	4184478.945	11.61
LOCATION	L0000355	VOLUME	657279.874	4184487.205	11.56
LOCATION	L0000356	VOLUME	657268.570	4184495.464	11.51
LOCATION	L0000357	VOLUME	657257.266	4184503.724	11.46
LOCATION	L0000358	VOLUME	657245.962	4184511.983	11.41
LOCATION	L0000359	VOLUME	657234.658	4184520.242	11.36
LOCATION	L0000360	VOLUME	657223.354	4184528.502	11.32
LOCATION	L0000361	VOLUME	657212.050	4184536.761	11.27
LOCATION	L0000362	VOLUME	657200.746	4184545.021	11.22
LOCATION	L0000363	VOLUME	657189.442	4184553.280	11.19
LOCATION	L0000364	VOLUME	657178.138	4184561.540	11.16
LOCATION	L0000365	VOLUME	657166.834	4184569.799	11.15
LOCATION	L0000366	VOLUME	657155.530	4184578.058	11.16
LOCATION	L0000367	VOLUME	657144.226	4184586.318	11.20



LOCATION	L0000368	VOLUME	657132.922	4184594.577	11.24
LOCATION	L0000369	VOLUME	657121.597	4184602.808	11.25
LOCATION	L0000370	VOLUME	657110.145	4184610.861	11.20
LOCATION	L0000371	VOLUME	657098.692	4184618.913	11.13
LOCATION	L0000372	VOLUME	657087.201	4184626.896	11.06
LOCATION	L0000373	VOLUME	657074.386	4184632.535	11.01
LOCATION	L0000374	VOLUME	657061.572	4184638.173	10.99

\*\* End of LINE VOLUME Source ID = SLINE4

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\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE5

\*\* DESCRSRC Mofatt E 23.92%

\*\* PREFIX

\*\* Length of Side = 14.00

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.00003777

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 9

\*\* 658479.281, 4183595.059, 12.57, 3.49, 6.51

\*\* 658616.498, 4183498.069, 13.21, 3.49, 6.51

\*\* 658728.543, 4183417.367, 13.72, 3.49, 6.51

\*\* 658759.639, 4183394.168, 13.72, 3.49, 6.51

\*\* 658815.088, 4183346.671, 13.74, 3.49, 6.51

\*\* 658970.832, 4183226.264, 14.14, 3.49, 6.51

\*\* 659233.242, 4183042.381, 14.38, 3.49, 6.51

\*\* 660349.854, 4182246.236, 15.56, 3.49, 6.51

\*\* 660339.529, 4182671.036, 14.66, 3.49, 6.51

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LOCATION	L0000375	VOLUME	658484.997	4183591.018	12.60
LOCATION	L0000376	VOLUME	658496.429	4183582.938	12.69
LOCATION	L0000377	VOLUME	658507.862	4183574.857	12.76
LOCATION	L0000378	VOLUME	658519.294	4183566.776	12.82
LOCATION	L0000379	VOLUME	658530.727	4183558.695	12.88
LOCATION	L0000380	VOLUME	658542.159	4183550.614	12.88
LOCATION	L0000381	VOLUME	658553.592	4183542.533	12.89
LOCATION	L0000382	VOLUME	658565.024	4183534.453	12.99
LOCATION	L0000383	VOLUME	658576.456	4183526.372	13.01
LOCATION	L0000384	VOLUME	658587.889	4183518.291	13.05
LOCATION	L0000385	VOLUME	658599.321	4183510.210	13.13
LOCATION	L0000386	VOLUME	658610.754	4183502.129	13.24
LOCATION	L0000387	VOLUME	658622.150	4183493.998	13.22
LOCATION	L0000388	VOLUME	658633.510	4183485.816	13.28
LOCATION	L0000389	VOLUME	658644.870	4183477.633	13.42
LOCATION	L0000390	VOLUME	658656.230	4183469.451	13.50
LOCATION	L0000391	VOLUME	658667.590	4183461.269	13.48
LOCATION	L0000392	VOLUME	658678.950	4183453.087	13.50
LOCATION	L0000393	VOLUME	658690.310	4183444.905	13.61
LOCATION	L0000394	VOLUME	658701.670	4183436.722	13.58
LOCATION	L0000395	VOLUME	658713.031	4183428.540	13.59
LOCATION	L0000396	VOLUME	658724.391	4183420.358	13.63
LOCATION	L0000397	VOLUME	658735.663	4183412.055	13.78
LOCATION	L0000398	VOLUME	658746.884	4183403.684	13.69
LOCATION	L0000399	VOLUME	658758.105	4183395.313	13.70
LOCATION	L0000400	VOLUME	658768.818	4183386.305	13.77
LOCATION	L0000401	VOLUME	658779.451	4183377.198	13.74
LOCATION	L0000402	VOLUME	658790.083	4183368.090	13.63
LOCATION	L0000403	VOLUME	658800.716	4183358.982	13.65
LOCATION	L0000404	VOLUME	658811.348	4183349.875	13.75
LOCATION	L0000405	VOLUME	658822.268	4183341.120	13.73
LOCATION	L0000406	VOLUME	658833.344	4183332.557	13.77
LOCATION	L0000407	VOLUME	658844.420	4183323.994	13.89
LOCATION	L0000408	VOLUME	658855.496	4183315.431	13.97
LOCATION	L0000409	VOLUME	658866.572	4183306.868	13.97
LOCATION	L0000410	VOLUME	658877.648	4183298.306	14.01
LOCATION	L0000411	VOLUME	658888.724	4183289.743	14.45

LOCATION	L0000412	VOLUME	658899.800	4183281.180	15.16
LOCATION	L0000413	VOLUME	658910.876	4183272.617	15.24
LOCATION	L0000414	VOLUME	658921.952	4183264.054	15.25
LOCATION	L0000415	VOLUME	658933.028	4183255.491	15.46
LOCATION	L0000416	VOLUME	658944.104	4183246.928	15.39
LOCATION	L0000417	VOLUME	658955.180	4183238.365	14.78
LOCATION	L0000418	VOLUME	658966.255	4183229.802	14.11
LOCATION	L0000419	VOLUME	658977.560	4183221.550	14.10
LOCATION	L0000420	VOLUME	658989.025	4183213.515	14.12
LOCATION	L0000421	VOLUME	659000.490	4183205.481	14.13
LOCATION	L0000422	VOLUME	659011.955	4183197.447	14.13
LOCATION	L0000423	VOLUME	659023.421	4183189.413	14.14
LOCATION	L0000424	VOLUME	659034.886	4183181.378	14.17
LOCATION	L0000425	VOLUME	659046.351	4183173.344	14.16
LOCATION	L0000426	VOLUME	659057.816	4183165.310	14.14
LOCATION	L0000427	VOLUME	659069.282	4183157.276	14.17
LOCATION	L0000428	VOLUME	659080.747	4183149.242	14.20
LOCATION	L0000429	VOLUME	659092.212	4183141.207	14.20
LOCATION	L0000430	VOLUME	659103.677	4183133.173	14.20
LOCATION	L0000431	VOLUME	659115.142	4183125.139	14.22
LOCATION	L0000432	VOLUME	659126.608	4183117.105	14.26
LOCATION	L0000433	VOLUME	659138.073	4183109.070	14.29
LOCATION	L0000434	VOLUME	659149.538	4183101.036	14.28
LOCATION	L0000435	VOLUME	659161.003	4183093.002	14.30
LOCATION	L0000436	VOLUME	659172.468	4183084.968	14.34
LOCATION	L0000437	VOLUME	659183.934	4183076.933	14.37
LOCATION	L0000438	VOLUME	659195.399	4183068.899	14.35
LOCATION	L0000439	VOLUME	659206.864	4183060.865	14.37
LOCATION	L0000440	VOLUME	659218.329	4183052.831	14.40
LOCATION	L0000441	VOLUME	659229.795	4183044.797	14.39
LOCATION	L0000442	VOLUME	659241.214	4183036.697	14.39
LOCATION	L0000443	VOLUME	659252.613	4183028.569	14.43
LOCATION	L0000444	VOLUME	659264.012	4183020.442	14.46
LOCATION	L0000445	VOLUME	659275.411	4183012.314	14.46
LOCATION	L0000446	VOLUME	659286.810	4183004.186	14.49
LOCATION	L0000447	VOLUME	659298.210	4182996.059	14.56
LOCATION	L0000448	VOLUME	659309.609	4182987.931	14.58
LOCATION	L0000449	VOLUME	659321.008	4182979.804	14.54
LOCATION	L0000450	VOLUME	659332.407	4182971.676	14.60
LOCATION	L0000451	VOLUME	659343.806	4182963.548	14.71
LOCATION	L0000452	VOLUME	659355.206	4182955.421	14.74
LOCATION	L0000453	VOLUME	659366.605	4182947.293	14.77
LOCATION	L0000454	VOLUME	659378.004	4182939.165	14.93
LOCATION	L0000455	VOLUME	659389.403	4182931.038	15.07
LOCATION	L0000456	VOLUME	659400.802	4182922.910	15.07
LOCATION	L0000457	VOLUME	659412.202	4182914.783	15.09
LOCATION	L0000458	VOLUME	659423.601	4182906.655	15.25
LOCATION	L0000459	VOLUME	659435.000	4182898.527	15.37
LOCATION	L0000460	VOLUME	659446.399	4182890.400	15.37
LOCATION	L0000461	VOLUME	659457.798	4182882.272	15.50
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LOCATION	L0000469	VOLUME	659548.992	4182817.251	14.80
LOCATION	L0000470	VOLUME	659560.391	4182809.123	14.72
LOCATION	L0000471	VOLUME	659571.790	4182800.996	14.56
LOCATION	L0000472	VOLUME	659583.189	4182792.868	14.60
LOCATION	L0000473	VOLUME	659594.589	4182784.740	14.74
LOCATION	L0000474	VOLUME	659605.988	4182776.613	14.70
LOCATION	L0000475	VOLUME	659617.387	4182768.485	14.64
LOCATION	L0000476	VOLUME	659628.786	4182760.358	14.56
LOCATION	L0000477	VOLUME	659640.185	4182752.230	14.27

LOCATION	L0000478	VOLUME	659651.585	4182744.102	14.13
LOCATION	L0000479	VOLUME	659662.984	4182735.975	14.09
LOCATION	L0000480	VOLUME	659674.383	4182727.847	14.10
LOCATION	L0000481	VOLUME	659685.782	4182719.719	14.09
LOCATION	L0000482	VOLUME	659697.181	4182711.592	14.03
LOCATION	L0000483	VOLUME	659708.581	4182703.464	14.02
LOCATION	L0000484	VOLUME	659719.980	4182695.337	14.01
LOCATION	L0000485	VOLUME	659731.379	4182687.209	13.97
LOCATION	L0000486	VOLUME	659742.778	4182679.081	13.93
LOCATION	L0000487	VOLUME	659754.177	4182670.954	13.91
LOCATION	L0000488	VOLUME	659765.577	4182662.826	13.93
LOCATION	L0000489	VOLUME	659776.976	4182654.698	13.92
LOCATION	L0000490	VOLUME	659788.375	4182646.571	13.93
LOCATION	L0000491	VOLUME	659799.774	4182638.443	13.94
LOCATION	L0000492	VOLUME	659811.173	4182630.315	13.95
LOCATION	L0000493	VOLUME	659822.573	4182622.188	13.94
LOCATION	L0000494	VOLUME	659833.972	4182614.060	13.91
LOCATION	L0000495	VOLUME	659845.371	4182605.933	13.90
LOCATION	L0000496	VOLUME	659856.770	4182597.805	13.91
LOCATION	L0000497	VOLUME	659868.169	4182589.677	13.94
LOCATION	L0000498	VOLUME	659879.568	4182581.550	13.93
LOCATION	L0000499	VOLUME	659890.968	4182573.422	13.89
LOCATION	L0000500	VOLUME	659902.367	4182565.294	13.91
LOCATION	L0000501	VOLUME	659913.766	4182557.167	13.89
LOCATION	L0000502	VOLUME	659925.165	4182549.039	13.90
LOCATION	L0000503	VOLUME	659936.564	4182540.912	13.92
LOCATION	L0000504	VOLUME	659947.964	4182532.784	13.92
LOCATION	L0000505	VOLUME	659959.363	4182524.656	13.94
LOCATION	L0000506	VOLUME	659970.762	4182516.529	13.97
LOCATION	L0000507	VOLUME	659982.161	4182508.401	14.07
LOCATION	L0000508	VOLUME	659993.560	4182500.273	14.15
LOCATION	L0000509	VOLUME	660004.960	4182492.146	14.18
LOCATION	L0000510	VOLUME	660016.359	4182484.018	14.15
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LOCATION	L0000519	VOLUME	660118.952	4182410.869	14.26
LOCATION	L0000520	VOLUME	660130.351	4182402.742	14.29
LOCATION	L0000521	VOLUME	660141.750	4182394.614	14.31
LOCATION	L0000522	VOLUME	660153.149	4182386.487	14.32
LOCATION	L0000523	VOLUME	660164.548	4182378.359	14.34
LOCATION	L0000524	VOLUME	660175.948	4182370.231	14.33
LOCATION	L0000525	VOLUME	660187.347	4182362.104	14.23
LOCATION	L0000526	VOLUME	660198.746	4182353.976	14.20
LOCATION	L0000527	VOLUME	660210.145	4182345.848	14.10
LOCATION	L0000528	VOLUME	660221.544	4182337.721	14.16
LOCATION	L0000529	VOLUME	660232.944	4182329.593	14.28
LOCATION	L0000530	VOLUME	660244.343	4182321.466	14.27
LOCATION	L0000531	VOLUME	660255.742	4182313.338	14.15
LOCATION	L0000532	VOLUME	660267.141	4182305.210	14.12
LOCATION	L0000533	VOLUME	660278.540	4182297.083	14.07
LOCATION	L0000534	VOLUME	660289.939	4182288.955	13.96
LOCATION	L0000535	VOLUME	660301.339	4182280.827	14.09
LOCATION	L0000536	VOLUME	660312.738	4182272.700	14.37
LOCATION	L0000537	VOLUME	660324.137	4182264.572	14.38
LOCATION	L0000538	VOLUME	660335.536	4182256.444	15.02
LOCATION	L0000539	VOLUME	660346.935	4182248.317	15.52
LOCATION	L0000540	VOLUME	660349.600	4182256.649	15.69
LOCATION	L0000541	VOLUME	660349.260	4182270.645	15.81
LOCATION	L0000542	VOLUME	660348.920	4182284.641	15.94
LOCATION	L0000543	VOLUME	660348.580	4182298.637	16.08

LOCATION	L0000544	VOLUME	660348.240	4182312.633	15.96
LOCATION	L0000545	VOLUME	660347.900	4182326.629	15.67
LOCATION	L0000546	VOLUME	660347.559	4182340.624	15.34
LOCATION	L0000547	VOLUME	660347.219	4182354.620	14.96
LOCATION	L0000548	VOLUME	660346.879	4182368.616	14.74
LOCATION	L0000549	VOLUME	660346.539	4182382.612	15.21
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LOCATION	L0000559	VOLUME	660343.137	4182522.571	15.29
LOCATION	L0000560	VOLUME	660342.797	4182536.567	14.89
LOCATION	L0000561	VOLUME	660342.457	4182550.562	14.49
LOCATION	L0000562	VOLUME	660342.117	4182564.558	14.40
LOCATION	L0000563	VOLUME	660341.776	4182578.554	14.32
LOCATION	L0000564	VOLUME	660341.436	4182592.550	14.29
LOCATION	L0000565	VOLUME	660341.096	4182606.546	14.28
LOCATION	L0000566	VOLUME	660340.756	4182620.542	14.33
LOCATION	L0000567	VOLUME	660340.416	4182634.538	14.40
LOCATION	L0000568	VOLUME	660340.076	4182648.534	14.49
LOCATION	L0000569	VOLUME	660339.735	4182662.529	14.58

\*\* End of LINE VOLUME Source ID = SLINE5

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\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE6

\*\* DESCRSRC Spreckels N 28.89%

\*\* PREFIX

\*\* Length of Side = 14.00

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.00001102

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 10

\*\* 658772.612, 4184225.561, 13.02, 3.49, 6.51

\*\* 658768.776, 4184260.085, 12.95, 3.49, 6.51

\*\* 658753.432, 4184316.666, 13.13, 3.49, 6.51

\*\* 658716.030, 4184401.059, 12.64, 3.49, 6.51

\*\* 658689.658, 4184454.764, 12.75, 3.49, 6.51

\*\* 658671.916, 4184511.345, 12.75, 3.49, 6.51

\*\* 658660.408, 4184564.091, 12.47, 3.49, 6.51

\*\* 658658.010, 4184589.504, 12.49, 3.49, 6.51

\*\* 658649.859, 4184721.368, 12.35, 3.49, 6.51

\*\* 658639.310, 4184864.261, 13.14, 3.49, 6.51

\*\*

LOCATION	L0000570	VOLUME	658771.839	4184232.518	12.95
LOCATION	L0000571	VOLUME	658770.293	4184246.432	12.93
LOCATION	L0000572	VOLUME	658768.707	4184260.339	12.90
LOCATION	L0000573	VOLUME	658765.043	4184273.851	12.94
LOCATION	L0000574	VOLUME	658761.379	4184287.363	13.00
LOCATION	L0000575	VOLUME	658757.714	4184300.875	13.04
LOCATION	L0000576	VOLUME	658754.050	4184314.387	13.07
LOCATION	L0000577	VOLUME	658748.716	4184327.306	13.04
LOCATION	L0000578	VOLUME	658743.044	4184340.106	12.90
LOCATION	L0000579	VOLUME	658737.371	4184352.905	12.93
LOCATION	L0000580	VOLUME	658731.699	4184365.704	12.91
LOCATION	L0000581	VOLUME	658726.027	4184378.504	12.88
LOCATION	L0000582	VOLUME	658720.354	4184391.303	12.77
LOCATION	L0000583	VOLUME	658714.563	4184404.047	12.67
LOCATION	L0000584	VOLUME	658708.392	4184416.614	12.72
LOCATION	L0000585	VOLUME	658702.221	4184429.180	12.73
LOCATION	L0000586	VOLUME	658696.050	4184441.747	12.75

LOCATION	VOLUME				
L0000587	658689.879	4184454.313	12.73		
L0000588	658685.619	4184467.644	12.78		
L0000589	658681.430	4184481.002	12.83		
L0000590	658677.242	4184494.361	12.85		
L0000591	658673.053	4184507.720	12.81		
L0000592	658669.742	4184521.311	12.74		
L0000593	658666.757	4184534.989	12.62		
L0000594	658663.773	4184548.668	12.48		
L0000595	658660.789	4184562.346	12.44		
L0000596	658659.261	4184576.251	12.46		
L0000597	658657.968	4184590.191	12.47		
L0000598	658657.104	4184604.164	12.46		
L0000599	658656.240	4184618.137	12.45		
L0000600	658655.377	4184632.111	12.44		
L0000601	658654.513	4184646.084	12.44		
L0000602	658653.649	4184660.057	12.38		
L0000603	658652.785	4184674.030	12.30		
L0000604	658651.921	4184688.004	12.29		
L0000605	658651.058	4184701.977	12.29		
L0000606	658650.194	4184715.950	12.35		
L0000607	658649.228	4184729.917	12.44		
L0000608	658648.197	4184743.879	12.54		
L0000609	658647.166	4184757.841	12.62		
L0000610	658646.135	4184771.803	12.70		
L0000611	658645.105	4184785.765	12.71		
L0000612	658644.074	4184799.727	12.73		
L0000613	658643.043	4184813.689	12.84		
L0000614	658642.012	4184827.651	12.95		
L0000615	658640.982	4184841.613	13.04		
L0000616	658639.951	4184855.575	13.12		

\*\* End of LINE VOLUME Source ID = SLINE6

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\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE7

\*\* DESCRSRC Yosemite W 3.4%

\*\* PREFIX

\*\* Length of Side = 14.00

\*\* Configuration = Adjacent

\*\* Emission Rate = 3.156E-06

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 6

\*\* 658639.573, 4184872.135, 13.12, 3.49, 6.51

\*\* 658211.310, 4184859.764, 12.14, 3.49, 6.51

\*\* 658112.344, 4184857.408, 11.88, 3.49, 6.51

\*\* 657441.059, 4184844.749, 12.21, 3.49, 6.51

\*\* 657113.526, 4184837.183, 11.71, 3.49, 6.51

\*\* 657034.187, 4184834.555, 11.56, 3.49, 6.51

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LOCATION	VOLUME				
L0000617	658632.575	4184871.932	13.12		
L0000618	658618.581	4184871.528	13.05		
L0000619	658604.587	4184871.124	12.96		
L0000620	658590.593	4184870.720	12.83		
L0000621	658576.599	4184870.316	12.71		
L0000622	658562.605	4184869.911	12.60		
L0000623	658548.610	4184869.507	12.47		
L0000624	658534.616	4184869.103	12.36		
L0000625	658520.622	4184868.699	12.33		
L0000626	658506.628	4184868.294	12.29		
L0000627	658492.634	4184867.890	12.22		
L0000628	658478.640	4184867.486	12.15		
L0000629	658464.646	4184867.082	12.08		
L0000630	658450.651	4184866.677	12.10		
L0000631	658436.657	4184866.273	12.12		
L0000632	658422.663	4184865.869	12.12		
L0000633	658408.669	4184865.465	12.11		

LOCATION	L0000634	VOLUME	658394.675	4184865.061	12.08
LOCATION	L0000635	VOLUME	658380.681	4184864.656	12.08
LOCATION	L0000636	VOLUME	658366.686	4184864.252	12.10
LOCATION	L0000637	VOLUME	658352.692	4184863.848	12.09
LOCATION	L0000638	VOLUME	658338.698	4184863.444	12.08
LOCATION	L0000639	VOLUME	658324.704	4184863.039	12.06
LOCATION	L0000640	VOLUME	658310.710	4184862.635	12.02
LOCATION	L0000641	VOLUME	658296.716	4184862.231	11.98
LOCATION	L0000642	VOLUME	658282.721	4184861.827	11.99
LOCATION	L0000643	VOLUME	658268.727	4184861.422	12.03
LOCATION	L0000644	VOLUME	658254.733	4184861.018	12.10
LOCATION	L0000645	VOLUME	658240.739	4184860.614	12.16
LOCATION	L0000646	VOLUME	658226.745	4184860.210	12.16
LOCATION	L0000647	VOLUME	658212.751	4184859.806	12.16
LOCATION	L0000648	VOLUME	658198.755	4184859.465	12.16
LOCATION	L0000649	VOLUME	658184.759	4184859.132	12.15
LOCATION	L0000650	VOLUME	658170.763	4184858.798	12.14
LOCATION	L0000651	VOLUME	658156.767	4184858.465	12.06
LOCATION	L0000652	VOLUME	658142.771	4184858.132	11.97
LOCATION	L0000653	VOLUME	658128.775	4184857.799	11.90
LOCATION	L0000654	VOLUME	658114.779	4184857.466	11.85
LOCATION	L0000655	VOLUME	658100.781	4184857.190	11.84
LOCATION	L0000656	VOLUME	658086.784	4184856.926	11.86
LOCATION	L0000657	VOLUME	658072.786	4184856.662	11.88
LOCATION	L0000658	VOLUME	658058.789	4184856.398	11.93
LOCATION	L0000659	VOLUME	658044.791	4184856.134	11.98
LOCATION	L0000660	VOLUME	658030.794	4184855.870	12.06
LOCATION	L0000661	VOLUME	658016.796	4184855.606	12.12
LOCATION	L0000662	VOLUME	658002.799	4184855.342	12.14
LOCATION	L0000663	VOLUME	657988.801	4184855.078	12.14
LOCATION	L0000664	VOLUME	657974.804	4184854.814	12.14
LOCATION	L0000665	VOLUME	657960.806	4184854.550	12.15
LOCATION	L0000666	VOLUME	657946.809	4184854.286	12.15
LOCATION	L0000667	VOLUME	657932.811	4184854.022	12.14
LOCATION	L0000668	VOLUME	657918.814	4184853.758	12.12
LOCATION	L0000669	VOLUME	657904.816	4184853.494	12.09
LOCATION	L0000670	VOLUME	657890.819	4184853.230	12.04
LOCATION	L0000671	VOLUME	657876.821	4184852.966	11.97
LOCATION	L0000672	VOLUME	657862.824	4184852.702	11.94
LOCATION	L0000673	VOLUME	657848.826	4184852.438	11.92
LOCATION	L0000674	VOLUME	657834.829	4184852.175	11.88
LOCATION	L0000675	VOLUME	657820.831	4184851.911	11.82
LOCATION	L0000676	VOLUME	657806.834	4184851.647	11.75
LOCATION	L0000677	VOLUME	657792.836	4184851.383	11.69
LOCATION	L0000678	VOLUME	657778.839	4184851.119	11.63
LOCATION	L0000679	VOLUME	657764.841	4184850.855	11.63
LOCATION	L0000680	VOLUME	657750.843	4184850.591	11.64
LOCATION	L0000681	VOLUME	657736.846	4184850.327	11.69
LOCATION	L0000682	VOLUME	657722.848	4184850.063	11.77
LOCATION	L0000683	VOLUME	657708.851	4184849.799	11.87
LOCATION	L0000684	VOLUME	657694.853	4184849.535	12.00
LOCATION	L0000685	VOLUME	657680.856	4184849.271	12.14
LOCATION	L0000686	VOLUME	657666.858	4184849.007	12.29
LOCATION	L0000687	VOLUME	657652.861	4184848.743	12.43
LOCATION	L0000688	VOLUME	657638.863	4184848.479	12.54
LOCATION	L0000689	VOLUME	657624.866	4184848.215	12.63
LOCATION	L0000690	VOLUME	657610.868	4184847.951	12.70
LOCATION	L0000691	VOLUME	657596.871	4184847.687	12.72
LOCATION	L0000692	VOLUME	657582.873	4184847.423	12.73
LOCATION	L0000693	VOLUME	657568.876	4184847.160	12.63
LOCATION	L0000694	VOLUME	657554.878	4184846.896	12.53
LOCATION	L0000695	VOLUME	657540.881	4184846.632	12.47
LOCATION	L0000696	VOLUME	657526.883	4184846.368	12.41
LOCATION	L0000697	VOLUME	657512.886	4184846.104	12.36
LOCATION	L0000698	VOLUME	657498.888	4184845.840	12.32
LOCATION	L0000699	VOLUME	657484.891	4184845.576	12.28

LOCATION	VOLUME				
L0000700	657470.893	4184845.312	12.25		
L0000701	657456.896	4184845.048	12.23		
L0000702	657442.898	4184844.784	12.22		
L0000703	657428.902	4184844.468	12.19		
L0000704	657414.906	4184844.145	12.16		
L0000705	657400.909	4184843.822	12.16		
L0000706	657386.913	4184843.498	12.16		
L0000707	657372.917	4184843.175	12.07		
L0000708	657358.920	4184842.852	11.99		
L0000709	657344.924	4184842.528	11.96		
L0000710	657330.928	4184842.205	11.94		
L0000711	657316.932	4184841.882	11.93		
L0000712	657302.935	4184841.558	11.92		
L0000713	657288.939	4184841.235	11.90		
L0000714	657274.943	4184840.912	11.89		
L0000715	657260.947	4184840.588	11.88		
L0000716	657246.950	4184840.265	11.86		
L0000717	657232.954	4184839.942	11.85		
L0000718	657218.958	4184839.618	11.83		
L0000719	657204.962	4184839.295	11.81		
L0000720	657190.965	4184838.972	11.79		
L0000721	657176.969	4184838.648	11.78		
L0000722	657162.973	4184838.325	11.76		
L0000723	657148.977	4184838.002	11.75		
L0000724	657134.980	4184837.678	11.73		
L0000725	657120.984	4184837.355	11.72		
L0000726	657106.990	4184836.966	11.70		
L0000727	657092.997	4184836.503	11.67		
L0000728	657079.005	4184836.039	11.65		
L0000729	657065.013	4184835.576	11.63		
L0000730	657051.020	4184835.113	11.59		
L0000731	657037.028	4184834.649	11.56		

\*\* End of LINE VOLUME Source ID = SLINE7

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\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE8

\*\* DESCRSRC Yosemite E 24.22%

\*\* PREFIX

\*\* Length of Side = 14.00

\*\* Configuration = Adjacent

\*\* Emission Rate = 9.651E-06

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 4

\*\* 658644.130, 4184872.122, 13.12, 3.49, 6.51

\*\* 659056.505, 4184880.713, 13.12, 3.49, 6.51

\*\* 659238.481, 4184890.866, 14.89, 3.49, 6.51

\*\* 659332.984, 4184893.990, 13.61, 3.49, 6.51

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LOCATION	VOLUME				
L0000732	658651.128	4184872.267	13.11		
L0000733	658665.125	4184872.559	13.11		
L0000734	658679.122	4184872.851	13.14		
L0000735	658693.119	4184873.142	13.12		
L0000736	658707.116	4184873.434	13.08		
L0000737	658721.113	4184873.725	13.07		
L0000738	658735.110	4184874.017	13.07		
L0000739	658749.107	4184874.309	13.06		
L0000740	658763.104	4184874.600	13.06		
L0000741	658777.101	4184874.892	13.05		
L0000742	658791.098	4184875.183	13.00		
L0000743	658805.095	4184875.475	12.92		
L0000744	658819.092	4184875.767	12.84		
L0000745	658833.089	4184876.058	12.77		
L0000746	658847.086	4184876.350	12.78		
L0000747	658861.083	4184876.641	12.79		
L0000748	658875.080	4184876.933	12.82		

LOCATION	VOLUME				
LOCATION L0000749	VOLUME	658889.076	4184877.225	12.89	
LOCATION L0000750	VOLUME	658903.073	4184877.516	12.98	
LOCATION L0000751	VOLUME	658917.070	4184877.808	13.04	
LOCATION L0000752	VOLUME	658931.067	4184878.099	13.08	
LOCATION L0000753	VOLUME	658945.064	4184878.391	13.08	
LOCATION L0000754	VOLUME	658959.061	4184878.683	13.08	
LOCATION L0000755	VOLUME	658973.058	4184878.974	13.08	
LOCATION L0000756	VOLUME	658987.055	4184879.266	13.12	
LOCATION L0000757	VOLUME	659001.052	4184879.557	13.16	
LOCATION L0000758	VOLUME	659015.049	4184879.849	13.14	
LOCATION L0000759	VOLUME	659029.046	4184880.141	13.12	
LOCATION L0000760	VOLUME	659043.043	4184880.432	13.11	
LOCATION L0000761	VOLUME	659057.039	4184880.742	13.14	
LOCATION L0000762	VOLUME	659071.018	4184881.522	13.19	
LOCATION L0000763	VOLUME	659084.996	4184882.302	13.23	
LOCATION L0000764	VOLUME	659098.974	4184883.082	13.26	
LOCATION L0000765	VOLUME	659112.952	4184883.862	13.31	
LOCATION L0000766	VOLUME	659126.931	4184884.642	13.37	
LOCATION L0000767	VOLUME	659140.909	4184885.422	13.43	
LOCATION L0000768	VOLUME	659154.887	4184886.202	13.47	
LOCATION L0000769	VOLUME	659168.865	4184886.982	13.51	
LOCATION L0000770	VOLUME	659182.844	4184887.762	13.44	
LOCATION L0000771	VOLUME	659196.822	4184888.542	13.34	
LOCATION L0000772	VOLUME	659210.800	4184889.321	13.61	
LOCATION L0000773	VOLUME	659224.778	4184890.101	13.97	
LOCATION L0000774	VOLUME	659238.757	4184890.875	14.61	
LOCATION L0000775	VOLUME	659252.749	4184891.338	14.74	
LOCATION L0000776	VOLUME	659266.742	4184891.800	14.38	
LOCATION L0000777	VOLUME	659280.734	4184892.263	13.88	
LOCATION L0000778	VOLUME	659294.726	4184892.725	13.33	
LOCATION L0000779	VOLUME	659308.719	4184893.188	13.45	
LOCATION L0000780	VOLUME	659322.711	4184893.650	13.54	

\*\* End of LINE VOLUME Source ID = SLINE8

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\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE9

\*\* DESCRSRC Spreckels N 1.27%

\*\* PREFIX

\*\* Length of Side = 8.59

\*\* Configuration = Adjacent

\*\* Emission Rate = 2.88E-07

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 4

\*\* 658638.947, 4184879.523, 13.10, 3.49, 4.00

\*\* 658625.429, 4185063.914, 12.73, 3.49, 4.00

\*\* 658618.497, 4185164.427, 12.90, 3.49, 4.00

\*\* 658612.567, 4185270.924, 13.09, 3.49, 4.00

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LOCATION L0000781	VOLUME	658638.633	4184883.806	13.09	
LOCATION L0000782	VOLUME	658638.005	4184892.373	13.07	
LOCATION L0000783	VOLUME	658637.377	4184900.940	13.05	
LOCATION L0000784	VOLUME	658636.749	4184909.508	13.02	
LOCATION L0000785	VOLUME	658636.121	4184918.075	13.00	
LOCATION L0000786	VOLUME	658635.493	4184926.642	12.96	
LOCATION L0000787	VOLUME	658634.865	4184935.209	12.89	
LOCATION L0000788	VOLUME	658634.237	4184943.776	12.82	
LOCATION L0000789	VOLUME	658633.609	4184952.343	12.75	
LOCATION L0000790	VOLUME	658632.981	4184960.910	12.71	
LOCATION L0000791	VOLUME	658632.352	4184969.477	12.67	
LOCATION L0000792	VOLUME	658631.724	4184978.044	12.63	
LOCATION L0000793	VOLUME	658631.096	4184986.611	12.61	
LOCATION L0000794	VOLUME	658630.468	4184995.178	12.64	
LOCATION L0000795	VOLUME	658629.840	4185003.745	12.67	
LOCATION L0000796	VOLUME	658629.212	4185012.312	12.69	
LOCATION L0000797	VOLUME	658628.584	4185020.879	12.71	



LOCATION	VOLUME	658627.956	4185029.446	12.73
LOCATION L0000798	VOLUME	658627.956	4185029.446	12.73
LOCATION L0000799	VOLUME	658627.328	4185038.013	12.74
LOCATION L0000800	VOLUME	658626.700	4185046.580	12.75
LOCATION L0000801	VOLUME	658626.072	4185055.147	12.73
LOCATION L0000802	VOLUME	658625.444	4185063.714	12.71
LOCATION L0000803	VOLUME	658624.852	4185072.283	12.68
LOCATION L0000804	VOLUME	658624.261	4185080.853	12.69
LOCATION L0000805	VOLUME	658623.670	4185089.423	12.72
LOCATION L0000806	VOLUME	658623.079	4185097.992	12.75
LOCATION L0000807	VOLUME	658622.488	4185106.562	12.79
LOCATION L0000808	VOLUME	658621.897	4185115.132	12.81
LOCATION L0000809	VOLUME	658621.306	4185123.701	12.82
LOCATION L0000810	VOLUME	658620.715	4185132.271	12.84
LOCATION L0000811	VOLUME	658620.124	4185140.840	12.86
LOCATION L0000812	VOLUME	658619.533	4185149.410	12.88
LOCATION L0000813	VOLUME	658618.942	4185157.980	12.90
LOCATION L0000814	VOLUME	658618.379	4185166.551	12.93
LOCATION L0000815	VOLUME	658617.902	4185175.128	12.95
LOCATION L0000816	VOLUME	658617.424	4185183.705	12.97
LOCATION L0000817	VOLUME	658616.946	4185192.281	12.99
LOCATION L0000818	VOLUME	658616.469	4185200.858	13.01
LOCATION L0000819	VOLUME	658615.991	4185209.435	13.03
LOCATION L0000820	VOLUME	658615.513	4185218.011	13.05
LOCATION L0000821	VOLUME	658615.036	4185226.588	13.07
LOCATION L0000822	VOLUME	658614.558	4185235.165	13.07
LOCATION L0000823	VOLUME	658614.081	4185243.742	13.07
LOCATION L0000824	VOLUME	658613.603	4185252.318	13.06
LOCATION L0000825	VOLUME	658613.125	4185260.895	13.05
LOCATION L0000826	VOLUME	658612.648	4185269.472	13.08

\*\* End of LINE VOLUME Source ID = SLINE9

\*\* Source Parameters \*\*

SRCPARAM IDLE1	8.4776E-07	3.840	366.000	51.71	0.1
SRCPARAM IDLE2	8.4776E-07	3.840	366.000	51.71	0.1
SRCPARAM IDLE3	8.4776E-07	3.840	366.000	51.71	0.1
SRCPARAM IDLE4	8.4776E-07	3.840	366.000	51.71	0.1
SRCPARAM IDLE5	8.4776E-07	3.840	366.000	51.71	0.1
SRCPARAM IDLE6	8.4776E-07	3.840	366.000	51.71	0.1
SRCPARAM IDLE7	8.4776E-07	3.840	366.000	51.71	0.1
SRCPARAM IDLE8	8.4776E-07	3.840	366.000	51.71	0.1
SRCPARAM IDLE9	8.4776E-07	3.840	366.000	51.71	0.1
SRCPARAM IDLE10	8.4776E-07	3.840	366.000	51.71	0.1
SRCPARAM IDLE11	8.4776E-07	3.840	366.000	51.71	0.1
SRCPARAM IDLE12	8.4776E-07	3.840	366.000	51.71	0.1
SRCPARAM IDLE13	8.4776E-07	3.840	366.000	51.71	0.1
SRCPARAM IDLE14	8.4776E-07	3.840	366.000	51.71	0.1
SRCPARAM IDLE15	8.4776E-07	3.840	366.000	51.71	0.1
SRCPARAM IDLE16	8.4776E-07	3.840	366.000	51.71	0.1
SRCPARAM IDLE17	8.4776E-07	3.840	366.000	51.71	0.1
SRCPARAM IDLE18	8.4776E-07	3.840	366.000	51.71	0.1
SRCPARAM IDLE19	8.4776E-07	3.840	366.000	51.71	0.1
SRCPARAM IDLE20	8.4776E-07	3.840	366.000	51.71	0.1
SRCPARAM IDLE21	8.4776E-07	3.840	366.000	51.71	0.1
SRCPARAM IDLE22	8.4776E-07	3.840	366.000	51.71	0.1
SRCPARAM IDLE23	8.4776E-07	3.840	366.000	51.71	0.1
SRCPARAM IDLE24	8.4776E-07	3.840	366.000	51.71	0.1
SRCPARAM IDLE25	8.4776E-07	3.840	366.000	51.71	0.1
SRCPARAM IDLE26	8.4776E-07	3.840	366.000	51.71	0.1
SRCPARAM IDLE27	8.4776E-07	3.840	366.000	51.71	0.1
SRCPARAM IDLE28	8.4776E-07	3.840	366.000	51.71	0.1
SRCPARAM IDLE29	8.4776E-07	3.840	366.000	51.71	0.1
SRCPARAM IDLE30	8.4776E-07	3.840	366.000	51.71	0.1
SRCPARAM IDLE31	8.4776E-07	3.840	366.000	51.71	0.1
SRCPARAM IDLE32	8.4776E-07	3.840	366.000	51.71	0.1
SRCPARAM IDLE33	8.4776E-07	3.840	366.000	51.71	0.1
SRCPARAM IDLE34	8.4776E-07	3.840	366.000	51.71	0.1
SRCPARAM IDLE35	8.4776E-07	3.840	366.000	51.71	0.1





SRCPARAM	TTP76	1.5661E-07	3.840	366.000	51.71	0.1
SRCPARAM	TTP77	1.5661E-07	3.840	366.000	51.71	0.1
SRCPARAM	TTP78	1.5661E-07	3.840	366.000	51.71	0.1
SRCPARAM	TTP79	1.5661E-07	3.840	366.000	51.71	0.1
SRCPARAM	TTP80	1.5661E-07	3.840	366.000	51.71	0.1
SRCPARAM	TTP81	1.5661E-07	3.840	366.000	51.71	0.1
SRCPARAM	TTP82	1.5661E-07	3.840	366.000	51.71	0.1
SRCPARAM	TTP83	1.5661E-07	3.840	366.000	51.71	0.1
**	LINE VOLUME Source ID = SLINE1					
SRCPARAM	L0000001	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000002	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000003	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000004	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000005	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000006	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000007	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000008	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000009	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000010	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000011	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000012	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000013	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000014	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000015	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000016	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000017	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000018	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000019	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000020	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000021	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000022	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000023	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000024	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000025	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000026	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000027	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000028	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000029	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000030	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000031	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000032	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000033	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000034	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000035	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000036	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000037	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000038	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000039	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000040	0.000002128	3.49	4.00	3.25	
**	-----					
SRCPARAM	STCK1	0.0107098198	3.550	728.550	54.78	0.13
SRCPARAM	STCK2	0.0107098198	3.840	798.160	160.56	0.17
**	LINE VOLUME Source ID = SLINE2					
SRCPARAM	L0000041	0.000000579	3.49	6.51	3.25	
SRCPARAM	L0000042	0.000000579	3.49	6.51	3.25	
SRCPARAM	L0000043	0.000000579	3.49	6.51	3.25	
SRCPARAM	L0000044	0.000000579	3.49	6.51	3.25	
SRCPARAM	L0000045	0.000000579	3.49	6.51	3.25	
SRCPARAM	L0000046	0.000000579	3.49	6.51	3.25	
SRCPARAM	L0000047	0.000000579	3.49	6.51	3.25	
SRCPARAM	L0000048	0.000000579	3.49	6.51	3.25	
SRCPARAM	L0000049	0.000000579	3.49	6.51	3.25	
SRCPARAM	L0000050	0.000000579	3.49	6.51	3.25	
SRCPARAM	L0000051	0.000000579	3.49	6.51	3.25	
SRCPARAM	L0000052	0.000000579	3.49	6.51	3.25	
SRCPARAM	L0000053	0.000000579	3.49	6.51	3.25	

























SRCPARAM	L0000768	0.000000197	3.49	6.51	3.25
SRCPARAM	L0000769	0.000000197	3.49	6.51	3.25
SRCPARAM	L0000770	0.000000197	3.49	6.51	3.25
SRCPARAM	L0000771	0.000000197	3.49	6.51	3.25
SRCPARAM	L0000772	0.000000197	3.49	6.51	3.25
SRCPARAM	L0000773	0.000000197	3.49	6.51	3.25
SRCPARAM	L0000774	0.000000197	3.49	6.51	3.25
SRCPARAM	L0000775	0.000000197	3.49	6.51	3.25
SRCPARAM	L0000776	0.000000197	3.49	6.51	3.25
SRCPARAM	L0000777	0.000000197	3.49	6.51	3.25
SRCPARAM	L0000778	0.000000197	3.49	6.51	3.25
SRCPARAM	L0000779	0.000000197	3.49	6.51	3.25
SRCPARAM	L0000780	0.000000197	3.49	6.51	3.25

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\*\* LINE VOLUME Source ID = SLINE9

SRCPARAM	L0000781	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000782	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000783	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000784	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000785	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000786	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000787	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000788	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000789	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000790	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000791	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000792	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000793	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000794	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000795	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000796	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000797	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000798	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000799	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000800	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000801	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000802	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000803	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000804	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000805	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000806	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000807	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000808	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000809	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000810	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000811	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000812	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000813	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000814	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000815	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000816	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000817	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000818	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000819	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000820	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000821	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000822	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000823	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000824	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000825	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000826	0.000000006261	3.49	4.00	3.25

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\*\* Building Downwash \*\*

BUILDHGT	IDLE1	13.72	13.72	13.72	13.72	13.72	13.72
BUILDHGT	IDLE1	13.72	13.72	13.72	13.72	13.72	13.72

































































































































BUILDLN	TTP83	306.75	275.78	236.43	189.90	138.35	101.45
BUILDLN	TTP83	154.15	204.25	248.75	285.70	313.97	332.69
BUILDLN	TTP83	0.00	0.00	0.00	341.41	340.07	328.40
BUILDLN	TTP83	306.75	275.78	236.43	189.90	138.35	101.45
BUILDLN	STCK1	154.15	204.25	248.75	285.70	313.97	332.69
BUILDLN	STCK1	341.31	339.56	333.59	341.41	340.07	328.40
BUILDLN	STCK1	306.75	275.78	236.43	189.90	138.35	101.45
BUILDLN	STCK1	154.15	204.25	248.75	285.70	313.97	332.69
BUILDLN	STCK1	341.31	339.56	333.59	341.41	340.07	328.40
BUILDLN	STCK1	306.75	275.78	236.43	189.90	138.35	101.45
BUILDLN	STCK2	154.15	204.25	248.75	285.70	313.97	332.69
BUILDLN	STCK2	341.31	339.56	333.59	341.41	340.07	328.40
BUILDLN	STCK2	306.75	275.78	236.43	189.90	138.35	101.45
BUILDLN	STCK2	154.15	204.25	248.75	285.70	313.97	332.69
BUILDLN	STCK2	341.31	339.56	333.59	341.41	340.07	328.40
BUILDLN	STCK2	306.75	275.78	236.43	189.90	138.35	101.45
XBADJ	IDLE1	-15.52	-26.12	-35.92	-44.63	-51.99	-57.76
XBADJ	IDLE1	-61.78	-63.93	-66.45	-78.97	-90.31	-98.90
XBADJ	IDLE1	-104.49	-106.90	-106.07	-102.01	-95.62	-97.00
XBADJ	IDLE1	-138.64	-178.13	-212.84	-241.07	-261.98	-274.93
XBADJ	IDLE1	-279.53	-275.63	-267.14	-262.44	-249.76	-229.49
XBADJ	IDLE1	-202.26	-168.87	-130.36	-87.88	-42.73	-4.45
XBADJ	IDLE2	-16.44	-27.70	-38.13	-47.40	-55.22	-61.37
XBADJ	IDLE2	-65.66	-67.95	-70.49	-82.91	-94.03	-102.29
XBADJ	IDLE2	-107.44	-109.33	-107.90	-103.19	-96.10	-96.78
XBADJ	IDLE2	-137.72	-176.54	-210.62	-238.31	-258.74	-271.32
XBADJ	IDLE2	-275.66	-271.61	-263.10	-258.50	-246.04	-226.11
XBADJ	IDLE2	-199.30	-166.44	-128.53	-86.71	-42.25	-4.67
XBADJ	IDLE3	-17.15	-29.05	-40.08	-49.88	-58.17	-64.70
XBADJ	IDLE3	-69.25	-71.71	-74.30	-86.65	-97.59	-105.56
XBADJ	IDLE3	-110.33	-111.74	-109.76	-104.45	-96.71	-96.73
XBADJ	IDLE3	-137.01	-175.19	-208.68	-235.82	-255.79	-268.00
XBADJ	IDLE3	-272.06	-267.85	-259.29	-254.75	-242.48	-222.83
XBADJ	IDLE3	-196.42	-164.03	-126.67	-85.45	-41.64	-4.72
XBADJ	IDLE4	-17.98	-30.55	-42.19	-52.56	-61.32	-68.22
XBADJ	IDLE4	-73.05	-75.66	-78.29	-90.56	-101.29	-108.95
XBADJ	IDLE4	-113.30	-114.20	-111.64	-105.68	-97.27	-96.59
XBADJ	IDLE4	-136.18	-173.70	-206.56	-233.15	-252.65	-264.47
XBADJ	IDLE4	-268.26	-263.90	-255.30	-250.85	-238.77	-219.45
XBADJ	IDLE4	-193.45	-161.58	-124.79	-84.22	-41.08	-4.86
XBADJ	IDLE5	-18.73	-31.99	-44.27	-55.22	-64.48	-71.78
XBADJ	IDLE5	-76.91	-79.69	-82.38	-94.58	-105.12	-112.47
XBADJ	IDLE5	-116.40	-116.80	-113.65	-107.04	-97.94	-96.55
XBADJ	IDLE5	-135.43	-172.26	-204.48	-230.49	-249.49	-260.91
XBADJ	IDLE5	-264.40	-259.87	-251.21	-246.83	-234.95	-215.92
XBADJ	IDLE5	-190.34	-158.98	-122.78	-82.86	-40.41	-4.90
XBADJ	IDLE6	-20.28	-34.84	-48.34	-60.37	-70.57	-78.62
XBADJ	IDLE6	-84.29	-87.39	-90.16	-102.20	-112.36	-119.11
XBADJ	IDLE6	-122.24	-121.65	-117.36	-109.51	-99.09	-96.35
XBADJ	IDLE6	-133.88	-169.41	-200.42	-225.33	-243.40	-254.07
XBADJ	IDLE6	-257.03	-252.17	-243.43	-239.20	-227.70	-209.29
XBADJ	IDLE6	-184.51	-154.13	-119.06	-80.38	-39.26	-5.10
XBADJ	IDLE7	-21.18	-36.41	-50.53	-63.12	-73.79	-82.22
XBADJ	IDLE7	-88.15	-91.40	-94.19	-106.14	-116.08	-122.49
XBADJ	IDLE7	-125.19	-124.08	-119.20	-110.69	-99.59	-96.14
XBADJ	IDLE7	-132.97	-167.84	-198.22	-222.58	-240.18	-250.48
XBADJ	IDLE7	-253.17	-248.16	-239.40	-235.27	-223.99	-205.90

XBADJ	IDLE7	-181.56	-151.70	-117.23	-79.20	-38.76	-5.31
XBADJ	IDLE8	-21.89	-37.76	-52.48	-65.61	-76.74	-85.54
XBADJ	IDLE8	-91.74	-95.16	-98.00	-109.88	-119.64	-125.77
XBADJ	IDLE8	-128.07	-126.49	-121.06	-111.95	-100.20	-96.09
XBADJ	IDLE8	-132.26	-166.49	-196.27	-220.09	-237.23	-247.15
XBADJ	IDLE8	-249.57	-244.40	-235.59	-231.52	-220.42	-202.63
XBADJ	IDLE8	-178.67	-149.29	-115.37	-77.95	-38.15	-5.36
XBADJ	IDLE9	-22.72	-39.26	-54.60	-68.28	-79.89	-89.07
XBADJ	IDLE9	-95.54	-99.11	-101.99	-113.79	-123.34	-129.15
XBADJ	IDLE9	-131.04	-128.95	-122.93	-113.18	-100.75	-95.95
XBADJ	IDLE9	-131.43	-164.99	-194.16	-217.42	-234.08	-243.63
XBADJ	IDLE9	-245.77	-240.45	-231.60	-227.62	-216.72	-199.24
XBADJ	IDLE9	-175.71	-146.83	-113.50	-76.71	-37.60	-5.50
XBADJ	IDLE10	-23.47	-40.69	-56.68	-70.94	-83.05	-92.63
XBADJ	IDLE10	-99.40	-103.15	-106.08	-117.81	-127.17	-132.68
XBADJ	IDLE10	-134.15	-131.54	-124.94	-114.54	-101.42	-95.91
XBADJ	IDLE10	-130.68	-163.55	-192.08	-214.76	-230.92	-240.07
XBADJ	IDLE10	-241.92	-236.41	-227.51	-223.60	-212.89	-195.72
XBADJ	IDLE10	-172.60	-144.23	-111.49	-75.35	-36.93	-5.54
XBADJ	IDLE11	-24.34	-42.22	-58.81	-73.62	-86.19	-96.14
XBADJ	IDLE11	-103.16	-107.06	-110.02	-121.65	-130.81	-135.99
XBADJ	IDLE11	-137.04	-133.93	-126.75	-115.71	-101.92	-95.72
XBADJ	IDLE11	-129.81	-162.03	-189.94	-212.08	-227.78	-236.56
XBADJ	IDLE11	-238.15	-232.50	-223.57	-219.75	-209.26	-192.40
XBADJ	IDLE11	-169.70	-141.85	-109.68	-74.18	-36.43	-5.73
XBADJ	IDLE12	-25.13	-43.67	-60.89	-76.26	-89.31	-99.65
XBADJ	IDLE12	-106.95	-111.01	-114.02	-125.58	-134.54	-139.41
XBADJ	IDLE12	-140.05	-136.43	-128.67	-117.00	-102.53	-95.63
XBADJ	IDLE12	-129.03	-160.58	-187.86	-209.44	-224.66	-233.05
XBADJ	IDLE12	-234.36	-228.55	-219.57	-215.83	-205.53	-188.98
XBADJ	IDLE12	-166.70	-139.34	-107.76	-72.90	-35.82	-5.82
XBADJ	IDLE13	-29.73	-52.23	-73.13	-91.81	-107.71	-120.33
XBADJ	IDLE13	-129.29	-134.33	-137.60	-148.71	-156.52	-159.57
XBADJ	IDLE13	-157.78	-151.19	-140.01	-124.57	-106.11	-95.11
XBADJ	IDLE13	-124.42	-152.02	-175.62	-193.89	-206.26	-212.37
XBADJ	IDLE13	-212.02	-205.23	-195.99	-192.70	-183.55	-168.82
XBADJ	IDLE13	-148.97	-124.59	-96.42	-65.32	-32.24	-6.34
XBADJ	IDLE14	-30.61	-53.75	-75.27	-94.49	-110.85	-123.83
XBADJ	IDLE14	-133.06	-138.24	-141.54	-152.56	-160.16	-162.89
XBADJ	IDLE14	-160.68	-153.58	-141.81	-125.74	-106.61	-94.92
XBADJ	IDLE14	-123.55	-150.50	-173.49	-191.21	-203.12	-208.86
XBADJ	IDLE14	-208.26	-201.32	-192.05	-188.85	-179.91	-165.51
XBADJ	IDLE14	-146.07	-122.20	-94.61	-64.15	-31.74	-6.53
XBADJ	IDLE15	-31.39	-55.20	-77.34	-97.12	-113.96	-127.33
XBADJ	IDLE15	-136.84	-142.18	-145.53	-156.47	-163.88	-166.30
XBADJ	IDLE15	-163.67	-156.07	-143.73	-127.02	-107.21	-94.83
XBADJ	IDLE15	-122.77	-149.05	-171.42	-188.58	-200.01	-205.36
XBADJ	IDLE15	-204.48	-197.38	-188.06	-184.94	-176.19	-162.09
XBADJ	IDLE15	-143.07	-119.70	-92.70	-62.87	-31.14	-6.62
XBADJ	IDLE16	-26.54	-46.36	-64.78	-81.24	-95.22	-106.31
XBADJ	IDLE16	-114.17	-118.56	-121.67	-133.10	-141.70	-146.00
XBADJ	IDLE16	-145.86	-141.29	-132.43	-119.54	-103.78	-95.55
XBADJ	IDLE16	-127.62	-157.88	-183.97	-204.47	-218.75	-226.38
XBADJ	IDLE16	-227.14	-221.00	-211.92	-208.31	-198.37	-182.40
XBADJ	IDLE16	-160.89	-134.49	-104.00	-70.36	-34.57	-5.90
XBADJ	IDLE17	-27.44	-47.94	-66.98	-83.99	-98.44	-109.91

XBADJ	IDLE17	-118.03	-122.57	-125.70	-137.03	-145.42	-149.38
XBADJ	IDLE17	-148.81	-143.72	-134.26	-120.72	-104.27	-95.34
XBADJ	IDLE17	-126.71	-156.31	-181.77	-201.71	-215.53	-222.79
XBADJ	IDLE17	-223.28	-216.99	-207.89	-204.38	-194.65	-179.01
XBADJ	IDLE17	-157.94	-132.06	-102.17	-69.18	-34.08	-6.11
XBADJ	IDLE18	-28.15	-49.29	-68.93	-86.47	-101.39	-113.23
XBADJ	IDLE18	-121.63	-126.33	-129.51	-140.77	-148.98	-152.66
XBADJ	IDLE18	-151.70	-146.13	-136.12	-121.98	-104.88	-95.29
XBADJ	IDLE18	-126.00	-154.96	-179.82	-199.23	-212.58	-219.46
XBADJ	IDLE18	-219.69	-213.23	-204.08	-200.63	-191.09	-175.74
XBADJ	IDLE18	-155.05	-129.65	-100.31	-67.92	-33.47	-6.16
XBADJ	IDLE19	-28.99	-50.79	-71.05	-89.15	-104.55	-116.76
XBADJ	IDLE19	-125.43	-130.29	-133.51	-144.69	-152.69	-156.05
XBADJ	IDLE19	-154.67	-148.59	-138.00	-123.21	-105.44	-95.15
XBADJ	IDLE19	-125.17	-153.46	-177.70	-196.55	-209.42	-215.93
XBADJ	IDLE19	-215.88	-209.27	-200.08	-196.72	-187.38	-172.34
XBADJ	IDLE19	-152.07	-127.18	-98.43	-66.68	-32.91	-6.30
XBADJ	IDLE20	-36.12	-63.92	-89.78	-112.91	-132.61	-148.28
XBADJ	IDLE20	-159.45	-165.77	-169.37	-179.84	-186.07	-186.65
XBADJ	IDLE20	-181.55	-170.94	-155.13	-134.61	-110.76	-94.23
XBADJ	IDLE20	-118.04	-140.33	-158.98	-172.79	-181.36	-184.42
XBADJ	IDLE20	-181.87	-173.79	-164.22	-161.56	-153.99	-141.75
XBADJ	IDLE20	-125.20	-104.84	-81.30	-55.28	-27.59	-7.22
XBADJ	IDLE21	-36.98	-65.44	-91.90	-115.58	-135.74	-151.78
XBADJ	IDLE21	-163.21	-169.68	-173.31	-183.69	-189.71	-189.97
XBADJ	IDLE21	-184.45	-173.33	-156.95	-135.79	-111.27	-94.05
XBADJ	IDLE21	-117.18	-138.81	-156.85	-170.12	-178.23	-180.91
XBADJ	IDLE21	-178.10	-169.88	-160.28	-157.71	-150.35	-138.43
XBADJ	IDLE21	-122.29	-102.44	-79.48	-54.10	-27.08	-7.40
XBADJ	IDLE22	-37.76	-66.89	-93.98	-118.22	-138.86	-155.29
XBADJ	IDLE22	-167.00	-173.63	-177.31	-187.62	-193.44	-193.39
XBADJ	IDLE22	-187.46	-175.84	-158.87	-137.07	-111.87	-93.96
XBADJ	IDLE22	-116.39	-137.36	-154.77	-167.48	-175.10	-177.40
XBADJ	IDLE22	-174.31	-165.93	-156.28	-153.79	-146.63	-135.01
XBADJ	IDLE22	-119.29	-99.94	-77.56	-52.82	-26.48	-7.49
XBADJ	IDLE23	-32.91	-58.05	-81.43	-102.33	-120.12	-134.27
XBADJ	IDLE23	-144.33	-150.01	-153.45	-164.24	-171.27	-173.09
XBADJ	IDLE23	-169.64	-161.05	-147.56	-129.59	-108.44	-94.68
XBADJ	IDLE23	-121.24	-146.20	-167.33	-183.37	-193.84	-198.43
XBADJ	IDLE23	-196.98	-189.55	-180.14	-177.16	-168.80	-155.31
XBADJ	IDLE23	-137.10	-114.73	-88.87	-60.31	-29.91	-6.77
XBADJ	IDLE24	-33.83	-59.64	-83.63	-105.09	-123.35	-137.87
XBADJ	IDLE24	-148.19	-154.02	-157.48	-168.17	-174.98	-176.47
XBADJ	IDLE24	-172.59	-163.47	-149.39	-130.76	-108.92	-94.46
XBADJ	IDLE24	-120.33	-144.61	-165.12	-180.61	-190.62	-194.83
XBADJ	IDLE24	-193.12	-185.54	-176.11	-173.23	-165.09	-151.93
XBADJ	IDLE24	-134.16	-112.30	-87.04	-59.13	-29.43	-6.99
XBADJ	IDLE25	-34.53	-60.98	-85.57	-107.57	-126.30	-141.19
XBADJ	IDLE25	-151.79	-157.78	-161.29	-171.92	-178.54	-179.74
XBADJ	IDLE25	-175.48	-165.89	-151.26	-132.03	-109.54	-94.42
XBADJ	IDLE25	-119.63	-143.27	-163.18	-178.13	-187.67	-191.51
XBADJ	IDLE25	-189.53	-181.78	-172.30	-169.49	-161.52	-148.65
XBADJ	IDLE25	-131.26	-109.89	-85.17	-57.87	-28.81	-7.03
XBADJ	IDLE26	-35.36	-62.48	-87.69	-110.25	-129.45	-144.72
XBADJ	IDLE26	-155.59	-161.74	-165.29	-175.83	-182.26	-183.14
XBADJ	IDLE26	-178.46	-168.35	-153.14	-133.26	-110.10	-94.28
XBADJ	IDLE26	-118.79	-141.77	-161.06	-175.45	-184.52	-187.97

XBADJ	IDLE26	-185.72	-177.82	-168.30	-165.57	-157.81	-145.26
XBADJ	IDLE26	-128.29	-107.42	-83.29	-56.63	-28.25	-7.17
XBADJ	IDLE27	-42.35	-75.41	-106.18	-133.73	-157.21	-175.91
XBADJ	IDLE27	-189.27	-196.88	-200.83	-210.69	-215.37	-213.50
XBADJ	IDLE27	-205.15	-190.56	-170.19	-144.64	-115.46	-93.45
XBADJ	IDLE27	-111.81	-128.84	-142.57	-151.97	-156.76	-156.78
XBADJ	IDLE27	-152.04	-142.68	-132.76	-130.72	-124.70	-114.89
XBADJ	IDLE27	-101.60	-85.21	-66.24	-45.26	-22.90	-8.00
XBADJ	IDLE28	-43.21	-76.93	-108.31	-136.40	-160.34	-179.42
XBADJ	IDLE28	-193.04	-200.79	-204.77	-214.54	-219.01	-216.82
XBADJ	IDLE28	-208.05	-192.96	-172.00	-145.82	-115.96	-93.27
XBADJ	IDLE28	-110.94	-127.32	-140.44	-149.30	-153.62	-153.28
XBADJ	IDLE28	-148.27	-138.77	-128.82	-126.87	-121.06	-111.57
XBADJ	IDLE28	-98.69	-82.82	-64.43	-44.08	-22.39	-8.18
XBADJ	IDLE29	-43.99	-78.38	-110.39	-139.04	-163.47	-182.93
XBADJ	IDLE29	-196.83	-204.75	-208.77	-218.46	-222.74	-220.24
XBADJ	IDLE29	-211.06	-195.46	-173.92	-147.10	-116.57	-93.18
XBADJ	IDLE29	-110.16	-125.87	-138.37	-146.66	-150.50	-149.77
XBADJ	IDLE29	-144.48	-134.81	-124.82	-122.94	-117.33	-108.15
XBADJ	IDLE29	-95.69	-80.32	-62.51	-42.79	-21.78	-8.27
XBADJ	IDLE30	-39.14	-69.54	-97.83	-123.14	-144.72	-161.89
XBADJ	IDLE30	-174.15	-181.12	-184.90	-195.08	-200.55	-199.93
XBADJ	IDLE30	-193.24	-180.67	-162.61	-139.61	-113.13	-93.90
XBADJ	IDLE30	-115.01	-134.71	-150.93	-162.56	-169.25	-170.80
XBADJ	IDLE30	-167.16	-158.44	-148.69	-146.33	-139.51	-128.46
XBADJ	IDLE30	-113.51	-95.11	-73.82	-50.28	-25.22	-7.55
XBADJ	IDLE31	-40.06	-71.13	-100.04	-125.91	-147.95	-165.50
XBADJ	IDLE31	-178.02	-185.13	-188.94	-199.02	-204.27	-203.32
XBADJ	IDLE31	-196.19	-183.10	-164.44	-140.79	-113.62	-93.68
XBADJ	IDLE31	-114.10	-133.12	-148.72	-159.79	-166.01	-167.19
XBADJ	IDLE31	-163.29	-154.43	-144.65	-142.38	-135.79	-125.08
XBADJ	IDLE31	-110.56	-92.68	-71.99	-49.11	-24.73	-7.77
XBADJ	IDLE32	-40.76	-72.47	-101.98	-128.39	-150.90	-168.82
XBADJ	IDLE32	-181.62	-188.89	-192.75	-202.77	-207.84	-206.60
XBADJ	IDLE32	-199.08	-185.52	-166.31	-142.05	-114.24	-93.64
XBADJ	IDLE32	-113.40	-131.78	-146.78	-157.31	-163.07	-163.87
XBADJ	IDLE32	-159.70	-150.67	-140.84	-138.64	-132.23	-121.80
XBADJ	IDLE32	-107.66	-90.26	-70.12	-47.84	-24.11	-7.81
XBADJ	IDLE33	-41.59	-73.97	-104.09	-131.06	-154.04	-172.35
XBADJ	IDLE33	-185.41	-192.85	-196.74	-206.67	-211.54	-209.99
XBADJ	IDLE33	-202.05	-187.97	-168.19	-143.29	-114.79	-93.50
XBADJ	IDLE33	-112.56	-130.28	-144.66	-154.64	-159.92	-160.35
XBADJ	IDLE33	-155.90	-146.71	-136.85	-134.73	-128.53	-118.41
XBADJ	IDLE33	-104.70	-87.80	-68.24	-46.61	-23.56	-7.95
XBADJ	IDLE34	-48.76	-87.14	-122.86	-154.85	-182.14	-203.89
XBADJ	IDLE34	-219.45	-228.34	-232.61	-241.83	-244.92	-240.57
XBADJ	IDLE34	-228.91	-210.29	-185.29	-154.65	-120.08	-92.54
XBADJ	IDLE34	-105.39	-117.11	-125.89	-130.85	-131.83	-128.80
XBADJ	IDLE34	-121.86	-111.22	-100.98	-99.58	-95.15	-87.83
XBADJ	IDLE34	-77.84	-65.48	-51.14	-35.24	-18.27	-8.91
XBADJ	IDLE35	-49.64	-88.66	-125.00	-157.53	-185.28	-207.40
XBADJ	IDLE35	-223.22	-232.25	-236.55	-245.68	-248.56	-243.89
XBADJ	IDLE35	-231.81	-212.68	-187.09	-155.82	-120.57	-92.35
XBADJ	IDLE35	-104.52	-115.59	-123.76	-128.17	-128.69	-125.30
XBADJ	IDLE35	-118.10	-107.31	-97.04	-95.73	-91.51	-84.51
XBADJ	IDLE35	-74.94	-63.10	-49.33	-34.07	-17.78	-9.10

XBADJ	IDLE36	-50.42	-90.11	-127.07	-160.16	-188.39	-210.90
XBADJ	IDLE36	-227.00	-236.20	-240.54	-249.59	-252.28	-247.30
XBADJ	IDLE36	-234.80	-215.18	-189.01	-157.10	-121.18	-92.26
XBADJ	IDLE36	-103.74	-114.14	-121.69	-125.54	-125.57	-121.80
XBADJ	IDLE36	-114.32	-103.36	-93.05	-91.82	-87.79	-81.10
XBADJ	IDLE36	-71.94	-60.60	-47.42	-32.79	-17.17	-9.19
XBADJ	IDLE37	-45.56	-81.27	-114.52	-144.28	-169.65	-189.88
XBADJ	IDLE37	-204.33	-212.57	-216.68	-226.22	-230.10	-226.99
XBADJ	IDLE37	-216.99	-200.39	-177.70	-149.62	-117.74	-92.98
XBADJ	IDLE37	-108.59	-122.97	-134.24	-141.43	-144.31	-142.82
XBADJ	IDLE37	-136.98	-126.99	-116.91	-115.19	-109.97	-101.40
XBADJ	IDLE37	-89.76	-75.39	-58.72	-40.28	-20.61	-8.47
XBADJ	IDLE38	-46.48	-82.86	-116.72	-147.04	-172.88	-193.48
XBADJ	IDLE38	-208.19	-216.58	-220.71	-230.15	-233.81	-230.37
XBADJ	IDLE38	-219.93	-202.81	-179.53	-150.79	-118.23	-92.76
XBADJ	IDLE38	-107.67	-121.39	-132.03	-138.67	-141.09	-139.22
XBADJ	IDLE38	-133.12	-122.98	-112.88	-111.26	-106.25	-98.02
XBADJ	IDLE38	-86.81	-72.96	-56.90	-39.11	-20.12	-8.69
XBADJ	IDLE39	-47.18	-84.20	-118.66	-149.51	-175.83	-196.80
XBADJ	IDLE39	-211.79	-220.34	-224.52	-233.89	-237.38	-233.65
XBADJ	IDLE39	-222.83	-205.23	-181.40	-152.06	-118.85	-92.72
XBADJ	IDLE39	-106.97	-120.05	-130.09	-136.19	-138.14	-135.90
XBADJ	IDLE39	-129.53	-119.22	-109.07	-107.51	-102.69	-94.74
XBADJ	IDLE39	-83.92	-70.55	-55.03	-37.84	-19.50	-8.73
XBADJ	IDLE40	-48.01	-85.70	-120.78	-152.19	-178.98	-200.33
XBADJ	IDLE40	-215.59	-224.30	-228.52	-237.81	-241.09	-237.05
XBADJ	IDLE40	-225.80	-207.70	-183.28	-153.29	-119.41	-92.58
XBADJ	IDLE40	-106.14	-118.55	-127.97	-133.51	-134.99	-132.36
XBADJ	IDLE40	-125.72	-115.26	-105.07	-103.60	-98.98	-91.35
XBADJ	IDLE40	-80.94	-68.08	-53.15	-36.60	-18.94	-8.87
XBADJ	IDLE41	-55.03	-98.70	-139.36	-175.79	-206.88	-231.68
XBADJ	IDLE41	-249.44	-259.63	-264.24	-272.84	-274.37	-267.57
XBADJ	IDLE41	-252.63	-230.02	-200.42	-164.73	-124.79	-91.75
XBADJ	IDLE41	-99.12	-105.55	-109.39	-109.91	-107.09	-101.02
XBADJ	IDLE41	-91.87	-79.93	-69.35	-68.56	-65.69	-60.83
XBADJ	IDLE41	-54.12	-45.76	-36.01	-25.17	-13.56	-9.70
XBADJ	IDLE42	-55.90	-100.22	-141.49	-178.47	-210.02	-235.19
XBADJ	IDLE42	-253.22	-263.55	-268.19	-276.70	-278.02	-270.90
XBADJ	IDLE42	-255.54	-232.42	-202.24	-165.91	-125.30	-91.57
XBADJ	IDLE42	-98.26	-104.03	-107.26	-107.23	-103.95	-97.50
XBADJ	IDLE42	-88.10	-76.01	-65.40	-64.71	-62.04	-57.50
XBADJ	IDLE42	-51.20	-43.36	-34.19	-23.98	-13.05	-9.88
XBADJ	IDLE43	-51.83	-92.83	-131.01	-165.21	-194.39	-217.67
XBADJ	IDLE43	-234.33	-243.87	-248.32	-257.24	-259.57	-254.00
XBADJ	IDLE43	-240.73	-220.13	-192.85	-159.71	-122.47	-92.20
XBADJ	IDLE43	-102.33	-111.42	-117.74	-120.49	-119.58	-115.03
XBADJ	IDLE43	-106.98	-95.69	-85.27	-84.16	-80.50	-74.39
XBADJ	IDLE43	-66.02	-55.65	-43.58	-30.19	-15.88	-9.25
XBADJ	IDLE44	-52.74	-94.41	-133.22	-167.97	-197.62	-221.27
XBADJ	IDLE44	-238.19	-247.88	-252.35	-261.17	-263.28	-257.38
XBADJ	IDLE44	-243.67	-222.55	-194.67	-160.88	-122.95	-91.98
XBADJ	IDLE44	-101.41	-109.83	-115.54	-117.73	-116.35	-111.43
XBADJ	IDLE44	-103.12	-91.68	-81.24	-80.23	-76.79	-71.01
XBADJ	IDLE44	-63.08	-53.22	-41.75	-29.02	-15.40	-9.47
XBADJ	IDLE45	-53.44	-95.75	-135.16	-170.45	-200.57	-224.59
XBADJ	IDLE45	-241.78	-251.64	-256.16	-264.92	-266.84	-260.66
XBADJ	IDLE45	-246.56	-224.97	-196.54	-162.14	-123.58	-91.94

XBADJ	IDLE45	-100.71	-108.49	-113.60	-115.25	-113.40	-108.11
XBADJ	IDLE45	-99.53	-87.92	-77.43	-76.49	-73.22	-67.73
XBADJ	IDLE45	-60.18	-50.81	-39.88	-27.75	-14.78	-9.51
XBADJ	IDLE46	-54.28	-97.25	-137.28	-173.13	-203.72	-228.12
XBADJ	IDLE46	-245.59	-255.60	-260.16	-268.83	-270.56	-264.06
XBADJ	IDLE46	-249.54	-227.44	-198.42	-163.38	-124.13	-91.80
XBADJ	IDLE46	-99.88	-106.99	-111.48	-112.57	-110.25	-104.57
XBADJ	IDLE46	-95.72	-83.96	-73.43	-72.57	-69.51	-64.34
XBADJ	IDLE46	-57.21	-48.34	-38.01	-26.51	-14.22	-9.65
XBADJ	TRU1	-18.23	-28.69	-38.28	-46.70	-53.71	-59.08
XBADJ	TRU1	-62.66	-64.33	-66.37	-78.41	-89.28	-97.45
XBADJ	TRU1	-102.65	-104.73	-103.63	-99.38	-92.87	-94.23
XBADJ	TRU1	-135.92	-175.56	-210.48	-239.00	-260.26	-273.62
XBADJ	TRU1	-278.66	-275.23	-267.22	-263.00	-250.78	-230.95
XBADJ	TRU1	-204.10	-171.05	-132.80	-90.51	-45.48	-7.22
XBADJ	TRU2	-18.88	-30.01	-40.23	-49.23	-56.73	-62.51
XBADJ	TRU2	-66.38	-68.24	-70.35	-82.33	-93.04	-100.91
XBADJ	TRU2	-105.72	-107.32	-105.66	-100.78	-93.61	-94.27
XBADJ	TRU2	-135.27	-174.23	-208.52	-236.47	-257.24	-270.19
XBADJ	TRU2	-274.93	-271.32	-263.24	-259.07	-247.03	-227.48
XBADJ	TRU2	-201.02	-168.46	-130.77	-89.11	-44.75	-7.18
XBADJ	TRU3	-19.68	-31.46	-42.29	-51.83	-59.80	-65.95
XBADJ	TRU3	-70.10	-72.11	-74.26	-86.16	-96.67	-104.24
XBADJ	TRU3	-108.64	-109.74	-107.51	-102.01	-94.17	-94.15
XBADJ	TRU3	-134.47	-172.78	-206.46	-233.87	-254.17	-266.74
XBADJ	TRU3	-271.21	-267.45	-259.33	-255.24	-243.40	-224.16
XBADJ	TRU3	-198.11	-166.04	-128.92	-87.89	-44.19	-7.30
XBADJ	TRU4	-20.43	-32.86	-44.29	-54.38	-62.81	-69.33
XBADJ	TRU4	-73.75	-75.93	-78.12	-89.95	-100.27	-107.54
XBADJ	TRU4	-111.55	-112.16	-109.37	-103.25	-94.76	-94.07
XBADJ	TRU4	-133.72	-171.39	-204.46	-231.32	-251.16	-263.36
XBADJ	TRU4	-267.56	-263.63	-255.47	-251.45	-239.80	-220.85
XBADJ	TRU4	-195.20	-163.62	-127.06	-86.64	-43.59	-7.38
XBADJ	TRU5	-21.24	-34.33	-46.39	-57.03	-65.94	-72.84
XBADJ	TRU5	-77.53	-79.87	-82.10	-93.85	-103.97	-110.93
XBADJ	TRU5	-114.52	-114.63	-111.25	-104.50	-95.33	-93.95
XBADJ	TRU5	-132.92	-169.91	-202.37	-228.67	-248.03	-259.85
XBADJ	TRU5	-263.78	-259.69	-251.49	-247.55	-236.10	-217.47
XBADJ	TRU5	-192.23	-161.15	-125.17	-85.39	-43.02	-7.50
XBADJ	TRU6	-22.90	-37.32	-50.61	-62.35	-72.20	-79.86
XBADJ	TRU6	-85.09	-87.74	-90.04	-101.62	-111.33	-117.66
XBADJ	TRU6	-120.41	-119.51	-114.97	-106.94	-96.42	-93.66
XBADJ	TRU6	-131.25	-166.93	-198.15	-223.35	-241.76	-252.83
XBADJ	TRU6	-256.22	-251.82	-243.55	-239.79	-228.74	-210.74
XBADJ	TRU6	-186.33	-156.27	-121.45	-82.95	-41.93	-7.79
XBADJ	TRU7	-23.56	-38.65	-52.56	-64.88	-75.23	-83.29
XBADJ	TRU7	-88.82	-91.65	-94.02	-105.55	-115.08	-121.13
XBADJ	TRU7	-123.49	-122.10	-117.00	-108.34	-97.15	-93.70
XBADJ	TRU7	-130.60	-165.60	-196.19	-220.82	-238.74	-249.41
XBADJ	TRU7	-252.49	-247.91	-239.57	-235.86	-224.98	-207.27
XBADJ	TRU7	-183.26	-153.68	-119.43	-81.55	-41.20	-7.75
XBADJ	TRU8	-24.35	-40.10	-54.62	-67.49	-78.30	-86.74
XBADJ	TRU8	-92.54	-95.52	-97.93	-109.38	-118.72	-124.45
XBADJ	TRU8	-126.41	-124.52	-118.85	-109.57	-97.72	-93.58
XBADJ	TRU8	-129.80	-164.15	-194.13	-218.22	-235.67	-245.96
XBADJ	TRU8	-248.78	-244.04	-235.66	-232.03	-221.35	-203.94
XBADJ	TRU8	-180.34	-151.26	-117.58	-80.33	-40.64	-7.87

XBADJ	TRU9	-25.10	-41.49	-56.62	-70.03	-81.31	-90.12
XBADJ	TRU9	-96.19	-99.34	-101.79	-113.16	-122.32	-127.76
XBADJ	TRU9	-129.31	-126.94	-120.71	-110.81	-98.31	-93.50
XBADJ	TRU9	-129.05	-162.76	-192.13	-215.67	-232.66	-242.58
XBADJ	TRU9	-245.12	-240.22	-231.80	-228.24	-217.75	-200.64
XBADJ	TRU9	-177.43	-148.84	-115.72	-79.08	-40.04	-7.95
XBADJ	TRU10	-25.91	-42.97	-58.71	-72.68	-84.43	-93.63
XBADJ	TRU10	-99.97	-103.28	-105.77	-117.06	-126.02	-131.14
XBADJ	TRU10	-132.28	-129.41	-122.60	-112.06	-98.88	-93.38
XBADJ	TRU10	-128.24	-161.28	-190.04	-213.02	-229.53	-239.07
XBADJ	TRU10	-241.34	-236.28	-227.82	-224.34	-214.05	-197.25
XBADJ	TRU10	-174.46	-146.37	-113.83	-77.83	-39.47	-8.07
XBADJ	TRU11	-26.82	-44.55	-60.92	-75.44	-87.67	-97.24
XBADJ	TRU11	-103.85	-107.30	-109.82	-121.01	-129.75	-134.55
XBADJ	TRU11	-135.25	-131.85	-124.44	-113.25	-99.38	-93.17
XBADJ	TRU11	-127.33	-159.70	-187.83	-210.26	-226.30	-235.46
XBADJ	TRU11	-237.46	-232.26	-223.77	-220.39	-210.32	-193.85
XBADJ	TRU11	-171.49	-143.93	-111.99	-76.65	-38.98	-8.28
XBADJ	TRU12	-27.56	-45.96	-62.97	-78.06	-90.78	-100.74
XBADJ	TRU12	-107.64	-111.27	-113.84	-124.97	-133.51	-138.01
XBADJ	TRU12	-138.31	-134.40	-126.41	-114.59	-100.03	-93.13
XBADJ	TRU12	-126.60	-158.29	-185.79	-207.64	-223.19	-231.96
XBADJ	TRU12	-233.67	-228.29	-219.75	-216.44	-206.55	-190.39
XBADJ	TRU12	-168.44	-141.38	-110.01	-75.31	-38.32	-8.32
XBADJ	TRU13	-29.28	-48.96	-67.16	-83.32	-96.94	-107.62
XBADJ	TRU13	-115.03	-118.95	-121.57	-132.51	-140.65	-144.51
XBADJ	TRU13	-143.98	-139.08	-129.95	-116.87	-101.00	-92.75
XBADJ	TRU13	-124.88	-155.29	-181.59	-202.38	-217.02	-225.07
XBADJ	TRU13	-226.28	-220.61	-212.02	-208.89	-199.42	-183.88
XBADJ	TRU13	-162.76	-136.70	-106.48	-73.02	-37.35	-8.70
XBADJ	TRU14	-29.93	-50.28	-69.11	-85.84	-99.97	-111.05
XBADJ	TRU14	-118.76	-122.86	-125.55	-136.44	-144.40	-147.98
XBADJ	TRU14	-147.06	-141.67	-131.98	-118.27	-101.73	-92.79
XBADJ	TRU14	-124.23	-153.96	-179.64	-199.86	-214.00	-221.64
XBADJ	TRU14	-222.55	-216.70	-208.04	-204.97	-195.66	-180.42
XBADJ	TRU14	-159.69	-134.11	-104.45	-71.62	-36.62	-8.66
XBADJ	TRU15	-30.72	-51.73	-71.17	-88.44	-103.03	-114.49
XBADJ	TRU15	-122.47	-126.72	-129.45	-140.26	-148.03	-151.30
XBADJ	TRU15	-149.97	-144.08	-133.82	-119.49	-102.29	-92.67
XBADJ	TRU15	-123.43	-152.52	-177.59	-197.26	-210.94	-218.21
XBADJ	TRU15	-218.85	-212.84	-204.14	-201.15	-192.04	-177.10
XBADJ	TRU15	-156.78	-131.69	-102.61	-70.40	-36.06	-8.78
XBADJ	TRU16	-31.46	-53.12	-73.16	-90.98	-106.03	-117.87
XBADJ	TRU16	-126.12	-130.54	-133.31	-144.05	-151.63	-154.60
XBADJ	TRU16	-152.88	-146.51	-135.69	-120.75	-102.89	-92.60
XBADJ	TRU16	-122.69	-151.13	-175.59	-194.72	-207.94	-214.83
XBADJ	TRU16	-215.20	-209.02	-200.28	-197.36	-188.44	-173.79
XBADJ	TRU16	-153.87	-129.27	-100.74	-69.15	-35.46	-8.85
XBADJ	TRU17	-32.27	-54.59	-75.26	-93.63	-109.17	-121.38
XBADJ	TRU17	-129.91	-134.49	-137.30	-147.96	-155.34	-158.00
XBADJ	TRU17	-155.86	-148.98	-137.58	-122.00	-103.47	-92.48
XBADJ	TRU17	-121.88	-149.65	-173.50	-192.07	-204.80	-211.31
XBADJ	TRU17	-211.40	-205.07	-196.29	-193.45	-184.73	-170.40
XBADJ	TRU17	-150.89	-126.79	-98.85	-67.90	-34.88	-8.97
XBADJ	TRU18	-33.18	-56.17	-77.46	-96.39	-112.40	-124.98
XBADJ	TRU18	-133.78	-138.50	-141.34	-151.90	-159.06	-161.39

XBADJ	TRU18	-158.82	-151.42	-139.42	-123.18	-103.96	-92.27
XBADJ	TRU18	-120.97	-148.07	-171.29	-189.31	-201.57	-207.71
XBADJ	TRU18	-207.54	-201.06	-192.25	-189.51	-181.00	-167.00
XBADJ	TRU18	-147.93	-124.36	-97.01	-66.71	-34.39	-9.18
XBADJ	TRU19	-33.92	-57.59	-79.50	-99.01	-115.50	-128.49
XBADJ	TRU19	-137.57	-142.47	-145.36	-155.85	-162.83	-164.85
XBADJ	TRU19	-161.87	-153.97	-141.40	-124.52	-104.62	-92.23
XBADJ	TRU19	-120.24	-146.66	-169.25	-186.69	-198.47	-204.21
XBADJ	TRU19	-203.75	-197.09	-188.23	-185.55	-177.24	-163.54
XBADJ	TRU19	-144.87	-121.80	-95.03	-65.37	-33.73	-9.22
XBADJ	TRU20	-35.58	-60.55	-83.69	-104.28	-121.71	-135.43
XBADJ	TRU20	-145.05	-150.25	-153.21	-163.53	-170.10	-171.50
XBADJ	TRU20	-167.69	-158.79	-145.06	-126.92	-105.69	-91.93
XBADJ	TRU20	-118.58	-143.70	-165.06	-181.42	-192.26	-197.26
XBADJ	TRU20	-196.27	-189.31	-180.38	-177.88	-169.97	-156.89
XBADJ	TRU20	-139.05	-116.99	-91.37	-62.97	-32.66	-9.52
XBADJ	TRU21	-36.23	-61.88	-85.64	-106.81	-124.73	-138.86
XBADJ	TRU21	-148.77	-154.16	-157.19	-167.46	-173.85	-174.97
XBADJ	TRU21	-170.77	-161.38	-147.09	-128.32	-106.42	-91.97
XBADJ	TRU21	-117.93	-142.37	-163.11	-178.89	-189.24	-193.83
XBADJ	TRU21	-192.54	-185.40	-176.40	-173.95	-166.21	-153.43
XBADJ	TRU21	-135.98	-114.40	-89.34	-61.57	-31.93	-9.48
XBADJ	TRU22	-37.02	-63.32	-87.70	-109.41	-127.80	-142.30
XBADJ	TRU22	-152.48	-158.02	-161.09	-171.28	-177.48	-178.29
XBADJ	TRU22	-173.68	-163.79	-148.93	-129.54	-106.98	-91.85
XBADJ	TRU22	-117.13	-140.92	-161.06	-176.29	-186.17	-190.40
XBADJ	TRU22	-188.83	-181.54	-172.50	-170.13	-162.59	-150.11
XBADJ	TRU22	-133.07	-111.98	-87.50	-60.35	-31.37	-9.60
XBADJ	TRU23	-37.78	-64.72	-89.70	-111.96	-130.81	-145.69
XBADJ	TRU23	-156.14	-161.85	-164.96	-175.07	-181.09	-181.60
XBADJ	TRU23	-176.59	-166.22	-150.80	-130.79	-107.57	-91.77
XBADJ	TRU23	-116.38	-139.53	-159.05	-173.74	-183.16	-187.00
XBADJ	TRU23	-185.17	-177.71	-168.63	-166.33	-158.98	-146.80
XBADJ	TRU23	-130.16	-109.56	-85.63	-59.10	-30.78	-9.68
XBADJ	TRU24	-38.58	-66.20	-91.80	-114.61	-133.94	-149.20
XBADJ	TRU24	-159.92	-165.79	-168.94	-178.97	-184.79	-184.98
XBADJ	TRU24	-179.56	-168.69	-152.68	-132.04	-108.15	-91.65
XBADJ	TRU24	-115.57	-138.05	-156.96	-171.09	-180.03	-183.50
XBADJ	TRU24	-181.39	-173.77	-164.65	-162.43	-155.28	-143.41
XBADJ	TRU24	-127.18	-107.09	-83.75	-57.85	-30.21	-9.80
XBADJ	TRU25	-39.49	-67.78	-94.00	-117.37	-137.17	-152.80
XBADJ	TRU25	-163.79	-169.81	-172.98	-182.91	-188.51	-188.38
XBADJ	TRU25	-182.52	-171.12	-154.52	-133.23	-108.64	-91.44
XBADJ	TRU25	-114.66	-136.47	-154.76	-168.34	-176.80	-179.89
XBADJ	TRU25	-177.52	-169.75	-160.61	-158.49	-151.56	-140.02
XBADJ	TRU25	-124.22	-104.66	-81.91	-56.67	-29.71	-10.01
XBADJ	TRU26	-40.23	-69.19	-96.04	-119.98	-140.27	-156.30
XBADJ	TRU26	-167.58	-173.77	-177.00	-186.87	-192.27	-191.84
XBADJ	TRU26	-185.58	-173.68	-156.50	-134.56	-109.30	-91.40
XBADJ	TRU26	-113.92	-135.06	-152.71	-165.72	-173.70	-176.39
XBADJ	TRU26	-173.73	-165.79	-156.59	-154.54	-147.79	-136.56
XBADJ	TRU26	-121.17	-102.10	-79.93	-55.33	-29.05	-10.05
XBADJ	TRU27	-41.90	-72.17	-100.25	-125.29	-146.52	-163.29
XBADJ	TRU27	-175.11	-181.60	-184.90	-194.59	-199.59	-198.53
XBADJ	TRU27	-191.44	-178.52	-160.19	-136.98	-110.37	-91.10
XBADJ	TRU27	-112.26	-132.08	-148.50	-160.41	-167.45	-169.40
XBADJ	TRU27	-166.20	-157.96	-148.69	-146.81	-140.47	-129.86



XBADJ	TRU27	-115.31	-97.25	-76.24	-52.91	-27.98	-10.35
XBADJ	TRU28	-42.55	-73.50	-102.21	-127.82	-149.54	-166.72
XBADJ	TRU28	-178.84	-185.52	-188.88	-198.52	-203.35	-202.00
XBADJ	TRU28	-194.51	-181.11	-162.21	-138.38	-111.11	-91.14
XBADJ	TRU28	-111.61	-130.75	-146.55	-157.89	-164.43	-165.97
XBADJ	TRU28	-162.48	-154.04	-144.71	-142.88	-136.72	-126.40
XBADJ	TRU28	-112.24	-94.66	-74.22	-51.51	-27.25	-10.31
XBADJ	TRU29	-43.34	-74.94	-104.26	-130.42	-152.61	-170.16
XBADJ	TRU29	-182.54	-189.38	-192.78	-202.34	-206.97	-205.32
XBADJ	TRU29	-197.42	-183.53	-164.06	-139.60	-111.66	-91.02
XBADJ	TRU29	-110.81	-129.31	-144.49	-155.29	-161.36	-162.54
XBADJ	TRU29	-158.77	-150.18	-140.81	-139.06	-133.09	-123.08
XBADJ	TRU29	-109.33	-92.25	-72.37	-50.29	-26.69	-10.43
XBADJ	TRU30	-44.09	-76.34	-106.26	-132.96	-155.61	-173.54
XBADJ	TRU30	-186.20	-193.19	-196.64	-206.13	-210.57	-208.62
XBADJ	TRU30	-200.33	-185.95	-165.92	-140.85	-112.26	-90.94
XBADJ	TRU30	-110.06	-127.91	-142.49	-152.74	-158.35	-159.15
XBADJ	TRU30	-155.12	-146.37	-136.95	-135.28	-129.49	-119.78
XBADJ	TRU30	-106.42	-89.83	-70.51	-49.05	-26.10	-10.51
XBADJ	TRU31	-44.89	-77.81	-108.35	-135.61	-158.74	-177.05
XBADJ	TRU31	-189.98	-197.14	-200.63	-210.04	-214.28	-212.02
XBADJ	TRU31	-203.31	-188.43	-167.82	-142.11	-112.84	-90.83
XBADJ	TRU31	-109.26	-126.44	-140.40	-150.09	-155.23	-155.64
XBADJ	TRU31	-151.33	-142.42	-132.96	-131.37	-125.78	-116.38
XBADJ	TRU31	-103.43	-87.35	-68.61	-47.79	-25.51	-10.62
XBADJ	TRU32	-45.80	-79.38	-110.55	-138.36	-161.97	-180.66
XBADJ	TRU32	-193.85	-201.16	-204.67	-213.98	-218.01	-215.41
XBADJ	TRU32	-206.27	-190.86	-169.66	-143.29	-113.34	-90.62
XBADJ	TRU32	-108.35	-124.86	-138.20	-147.34	-152.00	-152.04
XBADJ	TRU32	-147.46	-138.40	-128.92	-127.43	-122.06	-112.98
XBADJ	TRU32	-100.47	-84.91	-66.77	-46.60	-25.02	-10.83
XBADJ	TRU33	-46.54	-80.80	-112.60	-140.98	-165.08	-184.16
XBADJ	TRU33	-197.64	-205.12	-208.69	-217.93	-221.77	-218.87
XBADJ	TRU33	-209.33	-193.42	-171.63	-144.63	-113.99	-90.58
XBADJ	TRU33	-107.61	-123.45	-136.16	-144.72	-148.89	-148.54
XBADJ	TRU33	-143.67	-134.44	-124.90	-123.47	-118.29	-109.52
XBADJ	TRU33	-97.42	-82.36	-64.80	-45.26	-24.36	-10.87
XBADJ	TRU34	-48.20	-83.76	-116.77	-146.23	-171.25	-191.07
XBADJ	TRU34	-205.08	-212.86	-216.49	-225.56	-229.00	-225.47
XBADJ	TRU34	-215.10	-198.19	-175.26	-147.01	-115.04	-90.27
XBADJ	TRU34	-105.95	-120.49	-131.99	-139.47	-142.72	-141.63
XBADJ	TRU34	-136.23	-126.70	-117.10	-115.85	-111.07	-102.92
XBADJ	TRU34	-91.65	-77.58	-61.17	-42.89	-23.31	-11.18
XBADJ	TRU35	-48.85	-85.08	-118.72	-148.76	-174.27	-194.49
XBADJ	TRU35	-208.80	-216.77	-220.47	-229.49	-232.75	-228.94
XBADJ	TRU35	-218.18	-200.78	-177.29	-148.41	-115.77	-90.31
XBADJ	TRU35	-105.30	-119.17	-130.03	-136.94	-139.69	-138.20
XBADJ	TRU35	-132.51	-122.79	-113.12	-111.92	-107.32	-99.45
XBADJ	TRU35	-88.57	-74.99	-59.14	-41.49	-22.58	-11.14
XBADJ	TRU36	-49.65	-86.53	-120.78	-151.36	-177.35	-197.94
XBADJ	TRU36	-212.52	-220.64	-224.38	-233.32	-236.38	-232.27
XBADJ	TRU36	-221.09	-203.20	-179.14	-149.63	-116.33	-90.19
XBADJ	TRU36	-104.51	-117.72	-127.97	-134.34	-136.62	-134.76
XBADJ	TRU36	-128.79	-118.92	-109.21	-108.09	-103.68	-96.13
XBADJ	TRU36	-85.65	-72.57	-57.29	-40.26	-22.02	-11.26
XBADJ	TRU37	-50.39	-87.92	-122.77	-153.90	-180.35	-201.32

XBADJ	TRU37	-216.17	-224.46	-228.24	-237.11	-239.99	-235.58
XBADJ	TRU37	-224.01	-205.63	-181.01	-150.88	-116.94	-90.12
XBADJ	TRU37	-103.77	-116.33	-125.98	-131.80	-133.62	-131.38
XBADJ	TRU37	-125.14	-115.10	-105.35	-104.30	-100.08	-92.82
XBADJ	TRU37	-82.74	-70.15	-55.42	-39.01	-21.42	-11.33
XBADJ	TRU38	-51.20	-89.39	-124.87	-156.55	-183.47	-204.82
XBADJ	TRU38	-219.95	-228.40	-232.22	-241.00	-243.69	-238.96
XBADJ	TRU38	-226.98	-208.10	-182.89	-152.13	-117.51	-90.00
XBADJ	TRU38	-102.96	-114.86	-123.89	-129.15	-130.49	-127.87
XBADJ	TRU38	-121.36	-111.16	-101.37	-100.40	-96.38	-89.43
XBADJ	TRU38	-79.77	-67.68	-53.53	-37.76	-20.84	-11.45
XBADJ	TRU39	-52.11	-90.97	-127.07	-159.31	-186.71	-208.44
XBADJ	TRU39	-223.83	-232.42	-236.27	-244.96	-247.42	-242.36
XBADJ	TRU39	-229.95	-210.54	-184.74	-153.32	-118.01	-89.79
XBADJ	TRU39	-102.05	-113.28	-121.68	-126.39	-127.26	-124.26
XBADJ	TRU39	-117.48	-107.14	-97.32	-96.45	-92.65	-86.03
XBADJ	TRU39	-76.80	-65.24	-51.69	-36.57	-20.35	-11.66
XBADJ	TRU40	-52.85	-92.38	-129.12	-161.93	-189.82	-211.94
XBADJ	TRU40	-227.62	-236.39	-240.29	-248.91	-251.18	-245.83
XBADJ	TRU40	-233.00	-213.09	-186.71	-154.66	-118.66	-89.75
XBADJ	TRU40	-101.31	-111.86	-119.64	-123.77	-124.15	-120.76
XBADJ	TRU40	-113.69	-103.17	-93.30	-92.50	-88.88	-82.57
XBADJ	TRU40	-73.75	-62.68	-49.72	-35.24	-19.69	-11.70
XBADJ	TRU41	-54.58	-95.40	-133.33	-167.21	-196.00	-218.84
XBADJ	TRU41	-235.04	-244.09	-248.04	-256.47	-258.33	-252.34
XBADJ	TRU41	-238.69	-217.78	-190.25	-156.94	-119.63	-89.36
XBADJ	TRU41	-99.58	-108.85	-115.42	-118.49	-117.96	-113.85
XBADJ	TRU41	-106.28	-95.47	-85.55	-84.93	-81.73	-76.05
XBADJ	TRU41	-68.06	-58.00	-46.18	-32.95	-18.73	-12.09
XBADJ	TRU42	-55.24	-96.74	-135.29	-169.74	-199.03	-222.28
XBADJ	TRU42	-238.77	-248.00	-252.02	-260.40	-262.08	-255.80
XBADJ	TRU42	-241.75	-220.36	-192.27	-158.33	-120.35	-89.39
XBADJ	TRU42	-98.92	-107.51	-113.46	-115.96	-114.93	-110.42
XBADJ	TRU42	-102.55	-91.56	-81.57	-81.01	-77.98	-72.59
XBADJ	TRU42	-64.99	-55.42	-44.16	-31.56	-18.01	-12.06
XBADJ	TRU43	-56.02	-98.18	-137.34	-172.34	-202.10	-225.72
XBADJ	TRU43	-242.48	-251.87	-255.93	-264.23	-265.72	-259.14
XBADJ	TRU43	-244.68	-222.79	-194.13	-159.57	-120.92	-89.28
XBADJ	TRU43	-98.13	-106.07	-111.41	-113.36	-111.87	-106.98
XBADJ	TRU43	-98.83	-87.69	-77.66	-77.18	-74.35	-69.26
XBADJ	TRU43	-62.07	-52.99	-42.30	-30.33	-17.43	-12.17
XBADJ	TRU44	-56.77	-99.57	-139.34	-174.88	-205.11	-229.10
XBADJ	TRU44	-246.13	-255.69	-259.79	-268.02	-269.32	-262.44
XBADJ	TRU44	-247.58	-225.21	-195.99	-160.81	-121.51	-89.20
XBADJ	TRU44	-97.38	-104.68	-109.41	-110.82	-108.86	-103.59
XBADJ	TRU44	-95.18	-83.87	-73.80	-73.39	-70.75	-65.96
XBADJ	TRU44	-59.16	-50.57	-40.44	-29.08	-16.84	-12.25
XBADJ	TRU45	-57.58	-101.05	-141.44	-177.53	-208.23	-232.61
XBADJ	TRU45	-249.91	-259.63	-263.77	-271.91	-273.02	-265.82
XBADJ	TRU45	-250.56	-227.67	-197.87	-162.06	-122.08	-89.08
XBADJ	TRU45	-96.57	-103.20	-107.32	-108.17	-105.73	-100.09
XBADJ	TRU45	-91.40	-79.93	-69.82	-69.49	-67.05	-62.57
XBADJ	TRU45	-56.19	-48.10	-38.56	-27.84	-16.27	-12.37
XBADJ	TRU46	-58.49	-102.63	-143.64	-180.30	-211.47	-236.22
XBADJ	TRU46	-253.79	-263.65	-267.82	-275.87	-276.75	-269.23
XBADJ	TRU46	-253.52	-230.12	-199.72	-163.25	-122.58	-88.87
XBADJ	TRU46	-95.66	-101.62	-105.11	-105.40	-102.50	-96.47

XBADJ	TRU46	-87.52	-75.91	-65.77	-65.54	-63.32	-59.17
XBADJ	TRU46	-53.22	-45.66	-36.71	-26.65	-15.77	-12.58
XBADJ	TTP1	13.05	3.95	-5.26	-14.31	-22.93	-30.85
XBADJ	TTP1	-37.83	-43.66	0.00	0.00	-84.27	-98.17
XBADJ	TTP1	-109.10	-116.71	-120.77	-121.17	-118.64	-123.19
XBADJ	TTP1	-167.20	-208.20	-243.50	-271.39	-291.04	-301.85
XBADJ	TTP1	-303.48	-295.90	0.00	0.00	-255.80	-230.22
XBADJ	TTP1	-197.65	-159.07	-115.66	-68.73	-19.71	21.74
XBADJ	TTP2	12.42	2.84	-6.82	-16.28	-25.24	-33.44
XBADJ	TTP2	-40.61	-46.56	0.00	0.00	-86.97	-100.64
XBADJ	TTP2	-111.26	-118.49	-122.13	-122.05	-119.03	-123.07
XBADJ	TTP2	-166.57	-207.09	-241.93	-269.42	-288.73	-299.26
XBADJ	TTP2	-300.70	-293.00	0.00	0.00	-253.10	-227.75
XBADJ	TTP2	-195.49	-157.28	-114.30	-67.84	-19.32	21.62
XBADJ	TTP3	11.89	1.80	-8.35	-18.24	-27.58	-36.08
XBADJ	TTP3	-43.48	-49.56	0.00	0.00	-89.84	-103.28
XBADJ	TTP3	-113.60	-120.45	-123.65	-123.10	-119.56	-123.07
XBADJ	TTP3	-166.04	-206.05	-240.41	-267.46	-286.39	-296.62
XBADJ	TTP3	-297.83	-290.00	0.00	0.00	-250.23	-225.11
XBADJ	TTP3	-193.15	-155.32	-112.77	-66.80	-18.80	21.62
XBADJ	TTP4	11.10	0.48	-10.14	-20.46	-30.16	-38.94
XBADJ	TTP4	-46.54	-52.72	0.00	0.00	-92.72	-105.90
XBADJ	TTP4	-115.86	-122.29	-125.02	-123.94	-119.86	-122.82
XBADJ	TTP4	-165.25	-204.73	-238.61	-265.24	-283.81	-293.76
XBADJ	TTP4	-294.78	-286.84	0.00	0.00	-247.35	-222.50
XBADJ	TTP4	-190.89	-153.48	-111.41	-65.95	-18.49	21.37
XBADJ	TTP5	10.45	-0.67	-11.77	-22.51	-32.57	-41.64
XBADJ	TTP5	-49.44	-55.74	0.00	0.00	-95.54	-108.48
XBADJ	TTP5	-118.11	-124.16	-126.44	-124.87	-120.27	-122.70
XBADJ	TTP5	-164.60	-203.58	-236.98	-263.19	-281.40	-291.06
XBADJ	TTP5	-291.87	-283.82	0.00	0.00	-244.52	-219.92
XBADJ	TTP5	-188.63	-151.61	-109.99	-65.02	-18.08	21.25
XBADJ	TTP6	10.06	-1.56	-13.13	-24.30	-34.73	-44.11
XBADJ	TTP6	-52.15	-58.60	0.00	0.00	-98.33	-111.07
XBADJ	TTP6	-120.43	-126.13	-128.00	-125.98	-120.90	-122.82
XBADJ	TTP6	-164.21	-202.69	-235.63	-261.40	-279.24	-288.59
XBADJ	TTP6	-289.17	-280.96	0.00	0.00	-241.74	-217.33
XBADJ	TTP6	-186.32	-149.65	-108.43	-63.91	-17.46	21.37
XBADJ	TTP7	9.32	-2.78	-14.80	-26.36	-37.12	-46.76
XBADJ	TTP7	-54.97	-61.52	0.00	0.00	-100.99	-113.47
XBADJ	TTP7	-122.51	-127.82	-129.25	-126.76	-121.17	-122.58
XBADJ	TTP7	-163.47	-201.47	-233.96	-259.34	-276.85	-285.94
XBADJ	TTP7	-286.34	-278.04	0.00	0.00	-239.08	-214.92
XBADJ	TTP7	-184.24	-147.95	-107.17	-63.14	-17.19	21.13
XBADJ	TTP8	8.69	-3.90	-16.36	-28.33	-39.44	-49.35
XBADJ	TTP8	-57.77	-64.42	0.00	0.00	-103.70	-115.95
XBADJ	TTP8	-124.68	-129.62	-130.62	-127.65	-121.56	-122.46
XBADJ	TTP8	-162.84	-200.35	-232.39	-257.37	-274.52	-283.34
XBADJ	TTP8	-283.55	-275.14	0.00	0.00	-236.36	-212.44
XBADJ	TTP8	-182.07	-146.16	-105.81	-62.25	-16.79	21.01
XBADJ	TTP9	8.16	-4.94	-17.88	-30.29	-41.77	-51.99
XBADJ	TTP9	-60.62	-67.42	0.00	0.00	-106.56	-118.59
XBADJ	TTP9	-127.01	-131.57	-132.14	-128.69	-122.08	-122.46
XBADJ	TTP9	-162.32	-199.31	-230.87	-255.41	-272.20	-280.71
XBADJ	TTP9	-280.69	-272.14	0.00	0.00	-233.51	-209.81
XBADJ	TTP9	-179.74	-144.21	-104.29	-61.21	-16.27	21.01

XBADJ	TTP10	7.36	-6.26	-19.69	-32.52	-44.36	-54.86
XBADJ	TTP10	-63.69	-70.58	0.00	0.00	-109.45	-121.21
XBADJ	TTP10	-129.27	-133.42	-133.50	-129.53	-122.39	-122.21
XBADJ	TTP10	-161.52	-197.99	-229.07	-253.18	-269.61	-277.84
XBADJ	TTP10	-277.63	-268.98	0.00	0.00	-230.61	-207.19
XBADJ	TTP10	-177.47	-142.36	-102.92	-60.36	-15.96	20.76
XBADJ	TTP11	6.72	-7.41	-21.31	-34.56	-46.77	-57.55
XBADJ	TTP11	-66.58	-73.60	0.00	-97.35	-112.27	-123.78
XBADJ	TTP11	-131.53	-135.28	-134.92	-130.46	-122.80	-122.09
XBADJ	TTP11	-160.87	-196.84	-227.44	-251.14	-267.20	-275.14
XBADJ	TTP11	-274.73	-265.96	0.00	-244.06	-227.80	-204.62
XBADJ	TTP11	-175.22	-140.50	-101.51	-59.43	-15.55	20.64
XBADJ	TTP12	6.33	-8.29	-22.67	-36.35	-48.93	-60.02
XBADJ	TTP12	-69.29	-76.45	0.00	-100.24	-115.05	-126.37
XBADJ	TTP12	-133.84	-137.25	-136.48	-131.57	-123.42	-122.21
XBADJ	TTP12	-160.48	-195.95	-226.09	-249.35	-265.04	-272.68
XBADJ	TTP12	-272.03	-263.11	0.00	-241.16	-225.01	-202.03
XBADJ	TTP12	-172.91	-138.53	-99.94	-58.32	-14.93	20.76
XBADJ	TTP13	5.64	-9.53	-24.42	-38.56	-51.52	-62.93
XBADJ	TTP13	-72.42	-79.71	0.00	-103.46	-118.10	-129.16
XBADJ	TTP13	-136.28	-139.27	-138.02	-132.59	-123.88	-122.09
XBADJ	TTP13	-159.79	-194.72	-224.34	-247.15	-262.44	-269.77
XBADJ	TTP13	-268.89	-259.85	0.00	-237.94	-221.96	-199.24
XBADJ	TTP13	-170.46	-136.51	-98.40	-57.31	-14.47	20.64
XBADJ	TTP14	5.01	-10.64	-25.98	-40.52	-53.84	-65.52
XBADJ	TTP14	-75.20	-82.61	0.00	-106.32	-120.81	-131.62
XBADJ	TTP14	-138.44	-141.06	-139.38	-133.47	-124.27	-121.97
XBADJ	TTP14	-159.17	-193.60	-222.77	-245.18	-260.13	-267.18
XBADJ	TTP14	-266.11	-256.95	0.00	-235.09	-219.26	-196.77
XBADJ	TTP14	-168.30	-134.72	-97.05	-56.42	-14.09	20.52
XBADJ	TTP15	4.48	-11.69	-27.50	-42.49	-56.18	-68.16
XBADJ	TTP15	-78.07	-85.61	0.00	-109.32	-123.67	-134.27
XBADJ	TTP15	-140.78	-143.02	-140.91	-134.51	-124.80	-121.97
XBADJ	TTP15	-158.64	-192.56	-221.25	-243.22	-257.79	-264.54
XBADJ	TTP15	-263.24	-253.95	0.00	-232.08	-216.39	-194.13
XBADJ	TTP15	-165.97	-132.76	-95.52	-55.38	-13.56	20.52
XBADJ	TTP16	3.70	-12.99	-29.29	-44.70	-58.75	-71.02
XBADJ	TTP16	-81.12	-88.76	0.00	-112.39	-126.56	-136.88
XBADJ	TTP16	-143.05	-144.86	-142.28	-135.37	-125.11	-121.73
XBADJ	TTP16	-157.85	-191.25	-219.46	-241.00	-255.22	-261.68
XBADJ	TTP16	-260.19	-250.80	0.00	-229.01	-213.51	-191.51
XBADJ	TTP16	-163.70	-130.91	-94.15	-54.53	-13.24	20.28
XBADJ	TTP17	3.05	-14.15	-30.92	-46.75	-61.16	-73.72
XBADJ	TTP17	-84.03	-91.79	0.00	-115.38	-129.39	-139.46
XBADJ	TTP17	-145.31	-146.73	-143.70	-136.30	-125.52	-121.61
XBADJ	TTP17	-157.21	-190.10	-217.83	-238.95	-252.80	-258.98
XBADJ	TTP17	-257.28	-247.77	0.00	-226.03	-210.68	-188.93
XBADJ	TTP17	-161.44	-129.05	-92.73	-53.59	-12.83	20.16
XBADJ	TTP18	2.66	-15.04	-32.28	-48.54	-63.32	-76.19
XBADJ	TTP18	-86.73	-94.64	0.00	-118.27	-132.17	-142.05
XBADJ	TTP18	-147.62	-148.70	-145.26	-137.41	-126.14	-121.73
XBADJ	TTP18	-156.82	-189.21	-216.48	-237.16	-250.64	-256.51
XBADJ	TTP18	-254.58	-244.92	0.00	-223.13	-207.90	-186.34
XBADJ	TTP18	-159.13	-127.08	-91.17	-52.48	-12.21	20.28
XBADJ	TTP19	1.85	-16.40	-34.14	-50.84	-66.00	-79.16
XBADJ	TTP19	-89.91	-97.93	0.00	-121.47	-135.18	-144.78
XBADJ	TTP19	-149.98	-150.62	-146.69	-138.30	-126.47	-121.48

XBADJ	TTP19	-156.00	-187.85	-214.62	-234.86	-247.96	-253.54
XBADJ	TTP19	-251.40	-241.63	0.00	-219.94	-204.89	-183.62
XBADJ	TTP19	-156.77	-125.15	-89.74	-51.59	-11.88	20.03
XBADJ	TTP20	1.22	-17.51	-35.70	-52.81	-68.32	-81.75
XBADJ	TTP20	-92.69	-100.82	0.00	-124.32	-137.88	-147.25
XBADJ	TTP20	-152.14	-152.41	-148.05	-139.19	-126.86	-121.36
XBADJ	TTP20	-155.37	-186.74	-213.05	-232.89	-245.65	-250.95
XBADJ	TTP20	-248.62	-238.74	0.00	-217.08	-202.19	-181.15
XBADJ	TTP20	-154.61	-123.37	-88.38	-50.71	-11.49	19.91
XBADJ	TTP21	0.69	-18.55	-37.23	-54.77	-70.65	-84.39
XBADJ	TTP21	-95.56	-103.83	0.00	-127.33	-140.75	-149.89
XBADJ	TTP21	-154.48	-154.37	-149.57	-140.23	-127.39	-121.36
XBADJ	TTP21	-154.85	-185.70	-211.53	-230.93	-243.31	-248.30
XBADJ	TTP21	-245.75	-235.73	0.00	-214.08	-199.32	-178.51
XBADJ	TTP21	-152.27	-121.41	-86.86	-49.66	-10.96	19.91
XBADJ	TTP22	-0.09	-19.86	-39.02	-56.99	-73.23	-87.25
XBADJ	TTP22	-98.61	-106.98	0.00	-130.40	-143.63	-152.50
XBADJ	TTP22	-156.74	-156.22	-150.94	-141.09	-127.70	-121.12
XBADJ	TTP22	-154.06	-184.39	-209.74	-228.71	-240.74	-245.45
XBADJ	TTP22	-242.70	-232.58	0.00	-211.01	-196.43	-175.89
XBADJ	TTP22	-150.01	-119.56	-85.48	-48.81	-10.65	19.67
XBADJ	TTP23	-0.74	-21.01	-40.64	-59.04	-75.64	-89.95
XBADJ	TTP23	-101.52	-110.01	0.00	-133.38	-146.46	-155.09
XBADJ	TTP23	-159.00	-158.09	-152.37	-142.02	-128.11	-121.00
XBADJ	TTP23	-153.41	-183.24	-208.11	-226.66	-238.32	-242.75
XBADJ	TTP23	-239.79	-229.55	0.00	-208.02	-193.61	-173.31
XBADJ	TTP23	-147.75	-117.69	-84.06	-47.88	-10.24	19.55
XBADJ	TTP24	-1.13	-21.90	-42.00	-60.83	-77.80	-92.42
XBADJ	TTP24	-104.22	-112.86	0.00	-136.28	-149.24	-157.67
XBADJ	TTP24	-161.31	-160.05	-153.93	-143.13	-128.74	-121.12
XBADJ	TTP24	-153.02	-182.35	-206.75	-224.88	-236.16	-240.28
XBADJ	TTP24	-237.09	-226.70	0.00	-205.13	-190.82	-170.72
XBADJ	TTP24	-145.43	-115.72	-82.50	-46.77	-9.61	19.67
XBADJ	TTP25	-1.74	-22.97	-43.50	-62.72	-80.03	-94.90
XBADJ	TTP25	-106.89	-115.64	0.00	-139.01	-151.83	-160.04
XBADJ	TTP25	-163.38	-161.76	-155.23	-143.97	-129.10	-121.00
XBADJ	TTP25	-152.42	-181.28	-205.25	-222.98	-233.94	-237.79
XBADJ	TTP25	-234.42	-223.92	0.00	-202.39	-188.23	-168.36
XBADJ	TTP25	-143.36	-114.02	-81.20	-45.92	-9.25	19.55
XBADJ	TTP26	-2.36	-24.08	-45.07	-64.69	-82.34	-97.49
XBADJ	TTP26	-109.68	-118.54	0.00	-141.87	-154.54	-162.51
XBADJ	TTP26	-165.54	-163.55	-156.58	-144.86	-129.49	-120.88
XBADJ	TTP26	-151.79	-180.17	-203.69	-221.02	-231.63	-235.20
XBADJ	TTP26	-231.63	-221.02	0.00	-199.54	-185.53	-165.89
XBADJ	TTP26	-141.20	-112.23	-79.85	-45.04	-8.86	19.43
XBADJ	TTP27	-2.89	-25.12	-46.59	-66.65	-84.68	-100.13
XBADJ	TTP27	-112.55	-121.54	0.00	-144.87	-157.40	-165.15
XBADJ	TTP27	-167.88	-165.51	-158.11	-145.90	-130.02	-120.88
XBADJ	TTP27	-151.26	-179.12	-202.16	-219.05	-229.29	-232.56
XBADJ	TTP27	-228.77	-218.02	0.00	-196.53	-182.66	-163.25
XBADJ	TTP27	-138.87	-110.27	-78.32	-43.99	-8.33	19.43
XBADJ	TTP28	-3.69	-26.44	-48.39	-68.87	-87.26	-102.99
XBADJ	TTP28	-115.60	-124.69	0.00	-147.94	-160.29	-167.76
XBADJ	TTP28	-170.14	-167.35	-159.47	-146.75	-130.33	-120.63
XBADJ	TTP28	-150.47	-177.81	-200.36	-216.83	-226.71	-229.70
XBADJ	TTP28	-225.71	-214.87	0.00	-193.46	-179.78	-160.63
XBADJ	TTP28	-136.61	-108.43	-76.96	-43.15	-8.03	19.18

XBADJ	TTP29	-4.33	-27.60	-50.02	-70.92	-89.67	-105.69
XBADJ	TTP29	-118.51	-127.72	0.00	-150.92	-163.11	-170.34
XBADJ	TTP29	-172.40	-169.22	-160.89	-147.68	-130.74	-120.51
XBADJ	TTP29	-149.82	-176.65	-198.74	-214.78	-224.30	-227.00
XBADJ	TTP29	-222.81	-211.84	0.00	-190.48	-176.96	-158.05
XBADJ	TTP29	-134.35	-106.56	-75.54	-42.22	-7.61	19.06
XBADJ	TTP30	-4.72	-28.48	-51.37	-72.71	-91.83	-108.16
XBADJ	TTP30	-121.21	-130.57	0.00	-153.82	-165.90	-172.93
XBADJ	TTP30	-174.71	-171.18	-162.46	-148.79	-131.36	-120.63
XBADJ	TTP30	-149.43	-175.77	-197.38	-212.99	-222.14	-224.53
XBADJ	TTP30	-220.10	-208.99	0.00	-187.59	-174.17	-155.46
XBADJ	TTP30	-132.03	-104.59	-73.97	-41.11	-6.99	19.18
XBADJ	TTP31	-5.18	-29.49	-52.92	-74.73	-94.27	-110.95
XBADJ	TTP31	-124.26	-133.79	0.00	-157.08	-169.03	-175.84
XBADJ	TTP31	-177.31	-173.39	-164.20	-150.03	-132.05	-120.75
XBADJ	TTP31	-148.98	-174.75	-195.84	-210.97	-219.69	-221.74
XBADJ	TTP31	-217.05	-205.77	0.00	-184.32	-171.04	-152.56
XBADJ	TTP31	-129.44	-102.39	-72.22	-39.87	-6.30	19.30
XBADJ	TTP32	-5.80	-30.61	-54.48	-76.70	-96.59	-113.54
XBADJ	TTP32	-127.05	-136.69	0.00	-159.94	-171.73	-178.31
XBADJ	TTP32	-179.47	-175.18	-165.56	-150.91	-132.44	-120.63
XBADJ	TTP32	-148.35	-173.64	-194.27	-209.00	-217.38	-219.15
XBADJ	TTP32	-214.27	-202.87	0.00	-181.47	-168.34	-150.09
XBADJ	TTP32	-127.28	-100.60	-70.87	-38.98	-5.91	19.18
XBADJ	TTP33	-6.33	-31.65	-56.00	-78.66	-98.92	-116.18
XBADJ	TTP33	-129.91	-139.69	0.00	-162.94	-174.60	-180.95
XBADJ	TTP33	-181.81	-177.14	-167.09	-151.96	-132.97	-120.63
XBADJ	TTP33	-147.82	-172.60	-192.75	-207.04	-215.04	-216.51
XBADJ	TTP33	-211.40	-199.87	0.00	-178.47	-165.47	-147.45
XBADJ	TTP33	-124.94	-98.64	-69.34	-37.94	-5.38	19.18
XBADJ	TTP34	-7.12	-32.95	-57.79	-80.87	-101.50	-119.04
XBADJ	TTP34	-132.96	-142.85	0.00	-166.01	-177.48	-183.57
XBADJ	TTP34	-184.07	-178.98	-168.46	-152.81	-133.28	-120.39
XBADJ	TTP34	-147.04	-171.29	-190.96	-204.83	-212.47	-213.66
XBADJ	TTP34	-208.35	-196.71	0.00	-175.40	-162.58	-144.83
XBADJ	TTP34	-122.67	-96.79	-67.97	-37.08	-5.07	18.94
XBADJ	TTP35	-7.76	-34.11	-59.42	-82.93	-103.91	-121.74
XBADJ	TTP35	-135.87	-145.87	0.00	-168.99	-180.31	-186.15
XBADJ	TTP35	-186.33	-180.85	-169.88	-153.74	-133.69	-120.27
XBADJ	TTP35	-146.39	-170.14	-189.33	-202.77	-210.06	-210.95
XBADJ	TTP35	-205.44	-193.69	0.00	-172.41	-159.76	-142.25
XBADJ	TTP35	-120.42	-94.92	-66.55	-36.15	-4.66	18.82
XBADJ	TTP36	-8.15	-35.00	-60.78	-84.71	-106.07	-124.21
XBADJ	TTP36	-138.57	-148.73	0.00	-171.89	-183.09	-188.74
XBADJ	TTP36	-188.65	-182.82	-171.44	-154.85	-134.32	-120.39
XBADJ	TTP36	-146.00	-169.25	-187.98	-200.99	-207.90	-208.48
XBADJ	TTP36	-202.74	-190.83	0.00	-169.52	-156.97	-139.66
XBADJ	TTP36	-118.10	-92.96	-64.99	-35.04	-4.03	18.94
XBADJ	TTP37	-8.99	-36.40	-62.70	-87.10	-108.85	-127.29
XBADJ	TTP37	-141.86	-152.13	0.00	-175.20	-186.21	-191.57
XBADJ	TTP37	-191.10	-184.82	-172.93	-155.79	-134.67	-120.14
XBADJ	TTP37	-145.16	-167.85	-186.06	-198.61	-205.12	-205.41
XBADJ	TTP37	-199.45	-187.43	0.00	-166.20	-153.85	-136.83
XBADJ	TTP37	-115.65	-90.96	-63.50	-34.11	-3.69	18.69
XBADJ	TTP38	-9.62	-37.51	-64.26	-89.06	-111.16	-129.88
XBADJ	TTP38	-144.65	-155.02	0.00	-178.06	-188.92	-194.03

XBADJ	TTP38	-193.26	-186.61	-174.29	-156.67	-135.05	-120.02
XBADJ	TTP38	-144.54	-166.74	-184.49	-196.64	-202.81	-202.82
XBADJ	TTP38	-196.66	-184.54	0.00	-163.35	-151.15	-134.36
XBADJ	TTP38	-113.49	-89.17	-62.14	-33.22	-3.30	18.57
XBADJ	TTP39	-10.15	-38.55	-65.79	-91.02	-113.50	-132.52
XBADJ	TTP39	-147.51	-158.03	0.00	-181.06	-191.78	-196.68
XBADJ	TTP39	-195.59	-188.57	-175.81	-157.72	-135.58	-120.02
XBADJ	TTP39	-144.01	-165.70	-182.97	-194.68	-200.47	-200.18
XBADJ	TTP39	-193.80	-181.53	0.00	-160.34	-148.28	-131.72
XBADJ	TTP39	-111.15	-87.21	-60.62	-32.18	-2.77	18.57
XBADJ	TTP40	-10.93	-39.86	-67.58	-93.24	-116.07	-135.37
XBADJ	TTP40	-150.57	-161.18	0.00	-184.13	-194.67	-199.29
XBADJ	TTP40	-197.86	-190.41	-177.18	-158.57	-135.90	-119.78
XBADJ	TTP40	-143.22	-164.39	-181.18	-192.46	-197.90	-197.32
XBADJ	TTP40	-190.75	-178.38	0.00	-157.27	-145.40	-129.10
XBADJ	TTP40	-108.89	-85.36	-59.24	-31.33	-2.45	18.33
XBADJ	TTP41	-11.58	-41.01	-69.20	-95.29	-118.48	-138.08
XBADJ	TTP41	-153.47	-164.21	0.00	-187.12	-197.49	-201.87
XBADJ	TTP41	-200.12	-192.28	-178.61	-159.50	-136.31	-119.66
XBADJ	TTP41	-142.58	-163.23	-179.55	-190.41	-195.48	-194.62
XBADJ	TTP41	-187.84	-175.35	0.00	-154.29	-142.57	-126.52
XBADJ	TTP41	-106.63	-83.49	-57.82	-30.39	-2.04	18.21
XBADJ	TTP42	-11.97	-41.90	-70.56	-97.08	-120.64	-140.54
XBADJ	TTP42	-156.18	-167.06	0.00	-190.01	-200.28	-204.46
XBADJ	TTP42	-202.43	-194.25	-180.17	-160.61	-136.93	-119.78
XBADJ	TTP42	-142.19	-162.35	-178.19	-188.62	-193.32	-192.15
XBADJ	TTP42	-185.14	-172.50	0.00	-151.39	-139.79	-123.93
XBADJ	TTP42	-104.31	-81.52	-56.26	-29.28	-1.42	18.33
XBADJ	TTP43	-12.45	-42.86	-71.96	-98.88	-122.79	-142.97
XBADJ	TTP43	-158.81	-169.82	0.00	-192.77	-202.91	-206.89
XBADJ	TTP43	-204.58	-196.05	-181.57	-161.57	-137.42	-119.78
XBADJ	TTP43	-141.70	-161.39	-176.79	-186.82	-191.18	-189.72
XBADJ	TTP43	-182.51	-169.74	0.00	-148.64	-137.16	-121.51
XBADJ	TTP43	-102.17	-79.73	-54.86	-28.33	-0.93	18.33
XBADJ	TTP44	-13.08	-43.97	-73.52	-100.85	-125.10	-145.56
XBADJ	TTP44	-161.59	-172.71	0.00	-195.62	-205.61	-209.36
XBADJ	TTP44	-206.74	-197.84	-182.93	-162.46	-137.81	-119.66
XBADJ	TTP44	-141.08	-160.28	-175.23	-184.86	-188.87	-187.14
XBADJ	TTP44	-179.72	-166.85	0.00	-145.78	-134.45	-119.04
XBADJ	TTP44	-100.01	-77.94	-53.50	-27.44	-0.54	18.21
XBADJ	TTP45	-13.61	-45.01	-75.05	-102.81	-127.44	-148.20
XBADJ	TTP45	-164.46	-175.72	0.00	-198.63	-208.48	-212.00
XBADJ	TTP45	-209.07	-199.80	-184.45	-163.50	-138.34	-119.66
XBADJ	TTP45	-140.55	-159.24	-173.70	-182.90	-186.53	-184.49
XBADJ	TTP45	-176.86	-163.84	0.00	-142.78	-131.59	-116.40
XBADJ	TTP45	-97.67	-75.98	-51.98	-26.40	-0.01	18.21
XBADJ	TTP46	-14.40	-46.33	-76.85	-105.03	-130.02	-151.06
XBADJ	TTP46	-167.51	-178.87	0.00	-201.70	-211.36	-214.61
XBADJ	TTP46	-211.33	-201.64	-185.81	-164.34	-138.64	-119.41
XBADJ	TTP46	-139.75	-157.92	-171.91	-180.67	-183.95	-181.63
XBADJ	TTP46	-173.80	-160.69	0.00	-139.71	-128.70	-113.79
XBADJ	TTP46	-95.41	-74.14	-50.61	-25.55	0.29	17.96
XBADJ	TTP47	-15.05	-47.48	-78.48	-107.08	-132.43	-153.76
XBADJ	TTP47	-170.42	-181.90	0.00	-204.68	-214.19	-217.19
XBADJ	TTP47	-213.59	-203.51	-187.23	-165.28	-139.05	-119.29
XBADJ	TTP47	-139.10	-156.76	-170.28	-178.62	-181.53	-178.93
XBADJ	TTP47	-170.89	-157.66	0.00	-136.73	-125.88	-111.21

XBADJ	TTP47	-93.15	-72.27	-49.19	-24.62	0.70	17.84
XBADJ	TTP48	-15.44	-48.37	-79.83	-108.87	-134.59	-156.23
XBADJ	TTP48	-173.12	-184.75	0.00	-207.58	-216.97	-219.78
XBADJ	TTP48	-215.91	-205.47	-188.80	-166.39	-139.68	-119.41
XBADJ	TTP48	-138.72	-155.88	-168.92	-176.84	-179.37	-176.46
XBADJ	TTP48	-168.19	-154.81	0.00	-133.83	-123.09	-108.62
XBADJ	TTP48	-90.84	-70.30	-47.63	-23.51	1.33	17.96
XBADJ	TTP49	-16.15	-49.65	-81.64	-111.15	-137.28	-159.24
XBADJ	TTP49	-176.37	-188.13	0.00	-210.91	-220.14	-222.67
XBADJ	TTP49	-218.44	-207.57	-190.40	-167.44	-140.15	-119.29
XBADJ	TTP49	-138.00	-154.60	-167.11	-174.55	-176.68	-173.45
XBADJ	TTP49	-164.94	-151.43	0.00	-130.49	-119.93	-105.72
XBADJ	TTP49	-88.30	-68.20	-46.03	-22.46	1.80	17.84
XBADJ	TTP50	-16.78	-50.76	-83.20	-113.12	-139.60	-161.83
XBADJ	TTP50	-179.15	-191.03	0.00	-213.77	-222.84	-225.14
XBADJ	TTP50	-220.60	-209.36	-191.76	-168.33	-140.54	-119.17
XBADJ	TTP50	-137.38	-153.49	-165.55	-172.58	-174.37	-170.86
XBADJ	TTP50	-162.16	-148.53	0.00	-127.64	-117.23	-103.25
XBADJ	TTP50	-86.14	-66.42	-44.67	-21.57	2.19	17.72
XBADJ	TTP51	-17.30	-51.80	-84.73	-115.08	-141.93	-164.48
XBADJ	TTP51	-182.02	-194.03	0.00	-216.77	-225.71	-227.78
XBADJ	TTP51	-222.94	-211.32	-193.28	-169.37	-141.07	-119.17
XBADJ	TTP51	-136.85	-152.44	-164.03	-170.62	-172.03	-168.22
XBADJ	TTP51	-159.29	-145.53	0.00	-124.63	-114.36	-100.61
XBADJ	TTP51	-83.81	-64.46	-43.15	-20.53	2.72	17.72
XBADJ	TTP52	-18.09	-53.11	-86.52	-117.29	-144.51	-167.33
XBADJ	TTP52	-185.07	-197.19	0.00	-219.84	-228.59	-230.40
XBADJ	TTP52	-225.20	-213.17	-194.65	-170.22	-141.38	-118.93
XBADJ	TTP52	-136.06	-151.14	-162.24	-168.41	-169.46	-165.36
XBADJ	TTP52	-156.24	-142.37	0.00	-121.56	-111.47	-98.00
XBADJ	TTP52	-81.54	-62.61	-41.78	-19.67	3.03	17.48
XBADJ	TTP53	-18.75	-54.28	-88.15	-119.35	-146.93	-170.04
XBADJ	TTP53	-187.98	-200.21	0.00	-222.82	-231.41	-232.98
XBADJ	TTP53	-227.46	-215.03	-196.07	-171.15	-141.78	-118.80
XBADJ	TTP53	-135.41	-149.97	-160.60	-166.35	-167.04	-162.66
XBADJ	TTP53	-153.33	-139.35	0.00	-118.58	-108.65	-95.42
XBADJ	TTP53	-79.29	-60.75	-40.36	-18.75	3.43	17.35
XBADJ	TTP54	-19.13	-55.15	-89.50	-121.13	-149.08	-172.50
XBADJ	TTP54	-190.68	-203.07	0.00	-225.72	-234.20	-235.57
XBADJ	TTP54	-229.78	-217.00	-197.64	-172.27	-142.42	-118.93
XBADJ	TTP54	-135.03	-149.10	-159.25	-164.57	-164.89	-160.19
XBADJ	TTP54	-150.63	-136.49	0.00	-115.68	-105.86	-92.83
XBADJ	TTP54	-76.97	-58.77	-38.79	-17.63	4.07	17.48
XBADJ	TTP55	-20.02	-56.54	-91.34	-123.37	-151.65	-175.32
XBADJ	TTP55	-193.66	-206.12	0.00	-228.65	-236.93	-238.02
XBADJ	TTP55	-231.87	-218.68	-198.84	-172.96	-142.58	-118.56
XBADJ	TTP55	-134.14	-147.71	-157.41	-162.33	-162.32	-157.38
XBADJ	TTP55	-147.65	-133.44	0.00	-112.75	-103.13	-90.38
XBADJ	TTP55	-74.88	-57.10	-37.59	-16.94	4.23	17.11
XBADJ	TTP56	-20.65	-57.65	-92.91	-125.34	-153.97	-177.92
XBADJ	TTP56	-196.46	-209.03	0.00	-231.52	-239.65	-240.49
XBADJ	TTP56	-234.04	-220.47	-200.20	-173.85	-142.97	-118.44
XBADJ	TTP56	-133.51	-146.59	-155.84	-160.36	-160.00	-154.78
XBADJ	TTP56	-144.85	-130.53	0.00	-109.89	-100.42	-87.90
XBADJ	TTP56	-72.71	-55.31	-36.23	-16.05	4.62	16.99
XBADJ	TTP57	-21.17	-58.69	-94.43	-127.30	-156.30	-180.55



XBADJ	TTP57	-199.31	-212.02	0.00	-234.51	-242.50	-243.13
XBADJ	TTP57	-236.37	-222.42	-201.72	-174.89	-143.50	-118.44
XBADJ	TTP57	-132.98	-145.55	-154.32	-158.40	-157.67	-152.14
XBADJ	TTP57	-142.00	-127.54	0.00	-106.90	-97.56	-85.27
XBADJ	TTP57	-70.38	-53.36	-34.71	-15.01	5.15	16.99
XBADJ	TTP58	-21.96	-60.00	-96.22	-129.52	-158.88	-183.42
XBADJ	TTP58	-202.38	-215.19	0.00	-237.59	-245.40	-245.75
XBADJ	TTP58	-238.64	-224.27	-203.10	-175.75	-143.81	-118.20
XBADJ	TTP58	-132.19	-144.24	-152.53	-156.18	-155.09	-149.28
XBADJ	TTP58	-138.94	-124.37	0.00	-103.82	-94.67	-82.64
XBADJ	TTP58	-68.11	-51.50	-33.33	-14.15	5.46	16.75
XBADJ	TTP59	-22.62	-61.17	-97.86	-131.57	-161.29	-186.11
XBADJ	TTP59	-205.28	-218.20	0.00	-240.56	-248.21	-248.32
XBADJ	TTP59	-240.88	-226.13	-204.50	-176.66	-144.21	-118.07
XBADJ	TTP59	-131.54	-143.08	-150.90	-154.13	-152.67	-146.58
XBADJ	TTP59	-136.04	-121.36	0.00	-100.84	-91.86	-80.08
XBADJ	TTP59	-65.86	-49.65	-31.92	-13.23	5.86	16.62
XBADJ	TTP60	-23.00	-62.04	-99.20	-133.35	-163.45	-188.58
XBADJ	TTP60	-207.98	-221.06	0.00	-243.46	-251.00	-250.91
XBADJ	TTP60	-243.20	-228.11	-206.08	-177.78	-144.85	-118.20
XBADJ	TTP60	-131.16	-142.21	-149.55	-152.35	-150.52	-144.12
XBADJ	TTP60	-133.34	-118.50	0.00	-97.95	-89.07	-77.48
XBADJ	TTP60	-63.54	-47.67	-30.35	-12.11	6.50	16.75
XBADJ	TTP61	-23.45	-63.05	-100.75	-135.37	-165.89	-191.37
XBADJ	TTP61	-211.03	0.00	0.00	-246.72	-254.13	-253.82
XBADJ	TTP61	-245.80	-230.31	-207.82	-179.02	-145.54	-118.32
XBADJ	TTP61	-130.71	-141.19	-148.01	-150.33	-148.08	-141.33
XBADJ	TTP61	-130.29	0.00	0.00	-94.69	-85.93	-74.57
XBADJ	TTP61	-60.94	-45.46	-28.60	-10.87	7.19	16.87
XBADJ	TTP62	-24.08	-64.17	-102.31	-137.35	-168.21	-193.96
XBADJ	TTP62	-213.82	0.00	0.00	-249.58	-256.84	-256.30
XBADJ	TTP62	-247.97	-232.10	-209.19	-179.91	-145.93	-118.20
XBADJ	TTP62	-130.08	-140.08	-146.44	-148.35	-145.76	-138.73
XBADJ	TTP62	-127.49	0.00	0.00	-91.82	-83.22	-72.10
XBADJ	TTP62	-58.78	-43.67	-27.24	-9.98	7.58	16.75
XBADJ	TTP63	-24.60	-65.21	-103.83	-139.30	-170.54	-196.60
XBADJ	TTP63	-216.68	0.00	0.00	-252.58	-259.70	-258.93
XBADJ	TTP63	-250.30	-234.06	-210.71	-180.95	-146.46	-118.20
XBADJ	TTP63	-129.55	-139.04	-144.92	-146.40	-143.43	-136.10
XBADJ	TTP63	-124.63	0.00	0.00	-88.83	-80.37	-69.46
XBADJ	TTP63	-56.45	-41.72	-25.72	-8.94	8.11	16.75
XBADJ	TTP64	-25.40	-66.53	-105.64	-141.53	-173.13	-199.47
XBADJ	TTP64	-219.74	0.00	0.00	-255.66	-262.59	-261.55
XBADJ	TTP64	-252.57	-235.90	-212.07	-181.80	-146.76	-117.95
XBADJ	TTP64	-128.75	-137.72	-143.12	-144.17	-140.84	-133.23
XBADJ	TTP64	-121.57	0.00	0.00	-85.75	-77.47	-66.84
XBADJ	TTP64	-54.18	-39.87	-24.35	-8.09	8.41	16.50
XBADJ	TTP65	-26.05	-67.68	-107.26	-143.58	-175.54	-202.16
XBADJ	TTP65	-222.64	0.00	0.00	-258.63	-265.41	-264.13
XBADJ	TTP65	-254.82	-237.77	-213.49	-182.73	-147.17	-117.83
XBADJ	TTP65	-128.11	-136.57	-141.49	-142.12	-138.43	-130.54
XBADJ	TTP65	-118.67	0.00	0.00	-82.78	-74.66	-64.27
XBADJ	TTP65	-51.93	-38.01	-22.94	-7.17	8.82	16.38
XBADJ	TTP66	-26.44	-68.57	-108.62	-145.36	-177.70	-204.63
XBADJ	TTP66	-225.34	0.00	0.00	-261.53	-268.19	-266.72
XBADJ	TTP66	-257.13	-239.74	-215.05	-183.84	-147.80	-117.95
XBADJ	TTP66	-127.72	-135.68	-140.14	-140.34	-136.27	-128.07

XBADJ	TTP66	-115.97	0.00	0.00	-79.88	-71.87	-61.68
XBADJ	TTP66	-49.62	-36.04	-21.37	-6.06	9.45	16.50
XBADJ	TTP67	-27.20	-69.84	-110.35	-147.51	-180.19	-207.39
XBADJ	TTP67	-228.29	0.00	0.00	-264.49	-270.98	-269.24
XBADJ	TTP67	-259.31	-241.51	-216.37	-184.66	-148.09	-117.71
XBADJ	TTP67	-126.95	-134.41	-138.41	-138.19	-133.78	-125.31
XBADJ	TTP67	-113.02	0.00	0.00	-76.92	-69.09	-59.16
XBADJ	TTP67	-47.43	-34.27	-20.06	-5.24	9.74	16.26
XBADJ	TTP68	-27.83	-70.95	-111.91	-149.48	-182.50	-209.98
XBADJ	TTP68	-231.08	0.00	0.00	-267.34	-273.68	-271.71
XBADJ	TTP68	-261.47	-243.30	-217.73	-185.54	-148.48	-117.59
XBADJ	TTP68	-126.33	-133.30	-136.84	-136.22	-131.47	-122.72
XBADJ	TTP68	-110.24	0.00	0.00	-74.06	-66.39	-56.69
XBADJ	TTP68	-45.27	-32.48	-18.70	-4.35	10.13	16.14
XBADJ	TTP69	-28.35	-71.99	-113.43	-151.43	-184.83	-212.61
XBADJ	TTP69	-233.93	0.00	0.00	-270.34	-276.54	-274.34
XBADJ	TTP69	-263.80	-245.25	-219.25	-186.58	-149.01	-117.59
XBADJ	TTP69	-125.80	-132.26	-135.32	-134.27	-129.14	-120.08
XBADJ	TTP69	-107.38	0.00	0.00	-71.07	-63.53	-54.06
XBADJ	TTP69	-42.94	-30.53	-17.18	-3.31	10.66	16.14
XBADJ	TTP70	-29.15	-73.31	-115.23	-153.66	-187.42	-215.48
XBADJ	TTP70	-237.00	0.00	0.00	-273.41	-279.43	-276.96
XBADJ	TTP70	-266.07	-247.10	-220.62	-187.43	-149.31	-117.34
XBADJ	TTP70	-125.00	-130.94	-133.52	-132.04	-126.55	-117.21
XBADJ	TTP70	-104.32	0.00	0.00	-67.99	-60.64	-51.44
XBADJ	TTP70	-40.68	-28.68	-15.81	-2.46	10.96	15.89
XBADJ	TTP71	-29.80	-74.46	-116.86	-155.71	-189.82	-218.17
XBADJ	TTP71	-239.89	0.00	0.00	-276.39	-282.25	-279.53
XBADJ	TTP71	-268.32	-248.96	-222.03	-188.36	-149.72	-117.22
XBADJ	TTP71	-124.36	-129.79	-131.90	-130.00	-124.14	-114.52
XBADJ	TTP71	-101.42	0.00	0.00	-65.02	-57.82	-48.86
XBADJ	TTP71	-38.43	-26.82	-14.40	-1.54	11.37	15.77
XBADJ	TTP72	-30.19	-75.35	-118.22	-157.50	-191.99	-220.65
XBADJ	TTP72	-242.61	0.00	0.00	-279.29	-285.04	-282.13
XBADJ	TTP72	-270.64	-250.93	-223.60	-189.47	-150.35	-117.34
XBADJ	TTP72	-123.97	-128.90	-130.54	-128.20	-121.98	-112.04
XBADJ	TTP72	-98.71	0.00	0.00	-62.11	-55.03	-46.27
XBADJ	TTP72	-36.10	-24.84	-12.83	-0.42	12.00	15.89
XBADJ	TTP73	-30.85	-76.54	-119.90	-159.62	-194.49	-223.45
XBADJ	TTP73	-245.62	0.00	0.00	-282.39	-287.97	-284.81
XBADJ	TTP73	-272.99	-252.87	-225.08	-190.44	-150.78	-117.22
XBADJ	TTP73	-123.30	-127.71	-128.85	-126.08	-119.48	-109.25
XBADJ	TTP73	-95.70	0.00	0.00	-59.02	-52.10	-43.59
XBADJ	TTP73	-33.76	-22.90	-11.35	0.55	12.43	15.77
XBADJ	TTP74	-31.48	-77.66	-121.47	-161.60	-196.81	-226.05
XBADJ	TTP74	-248.41	0.00	0.00	-285.25	-290.68	-287.28
XBADJ	TTP74	-275.15	-254.67	-226.44	-191.33	-151.17	-117.10
XBADJ	TTP74	-122.67	-126.59	-127.28	-124.11	-117.16	-106.65
XBADJ	TTP74	-92.90	0.00	0.00	-56.16	-49.38	-41.11
XBADJ	TTP74	-31.59	-21.11	-9.99	1.44	12.82	15.65
XBADJ	TTP75	-32.01	-78.70	-122.99	-163.55	-199.14	-228.68
XBADJ	TTP75	-251.27	0.00	0.00	-288.24	-293.54	-289.92
XBADJ	TTP75	-277.48	-256.62	-227.96	-192.37	-151.70	-117.10
XBADJ	TTP75	-122.15	-125.55	-125.76	-122.15	-114.83	-104.02
XBADJ	TTP75	-90.04	0.00	0.00	-53.16	-46.53	-38.48
XBADJ	TTP75	-29.26	-19.16	-8.47	2.48	13.35	15.65

XBADJ	TTP76	-32.80	-80.01	-124.78	-165.77	-201.72	-231.54
XBADJ	TTP76	-254.33	0.00	0.00	-291.32	-296.44	-292.54
XBADJ	TTP76	-279.76	-258.47	-229.34	-193.23	-152.01	-116.86
XBADJ	TTP76	-121.36	-124.24	-123.97	-119.93	-112.25	-101.15
XBADJ	TTP76	-86.98	0.00	0.00	-50.08	-43.63	-35.86
XBADJ	TTP76	-26.99	-17.30	-7.09	3.33	13.66	15.41
XBADJ	TTP77	-33.45	-81.17	-126.42	-167.83	-204.13	-234.24
XBADJ	TTP77	-257.23	0.00	0.00	-294.30	-299.25	-295.11
XBADJ	TTP77	-282.00	-260.33	-230.74	-194.15	-152.41	-116.73
XBADJ	TTP77	-120.70	-123.08	-122.34	-117.88	-109.83	-98.45
XBADJ	TTP77	-84.08	0.00	0.00	-47.11	-40.82	-33.29
XBADJ	TTP77	-24.74	-15.45	-5.69	4.25	14.06	15.28
XBADJ	TTP78	-33.83	-82.04	-127.76	-169.60	-206.29	-236.70
XBADJ	TTP78	-259.93	0.00	0.00	-297.19	-302.04	-297.70
XBADJ	TTP78	-284.32	-262.30	-232.32	-195.27	-153.05	-116.86
XBADJ	TTP78	-120.32	-122.20	-120.99	-116.10	-107.68	-95.99
XBADJ	TTP78	-81.38	0.00	0.00	-44.21	-38.03	-30.69
XBADJ	TTP78	-22.42	-13.47	-4.11	5.37	14.69	15.41
XBADJ	TTP79	-34.45	-83.12	-129.28	-171.50	-208.52	-239.19
XBADJ	TTP79	-262.61	0.00	0.00	-299.93	-304.62	-300.06
XBADJ	TTP79	-286.38	-264.00	-233.60	-196.10	-153.40	-116.73
XBADJ	TTP79	-119.71	-121.12	-119.48	-114.20	-105.45	-93.50
XBADJ	TTP79	-78.71	0.00	0.00	-41.48	-35.44	-28.33
XBADJ	TTP79	-20.36	-11.77	-2.83	6.21	15.05	15.28
XBADJ	TTP80	-35.07	-84.24	-130.85	-173.48	-210.84	-241.79
XBADJ	TTP80	0.00	0.00	0.00	-302.79	-307.34	-302.54
XBADJ	TTP80	-288.55	-265.80	-234.96	-196.99	-153.79	-116.61
XBADJ	TTP80	-119.08	-120.01	-117.91	-112.22	-103.13	-90.90
XBADJ	TTP80	0.00	0.00	0.00	-38.61	-32.73	-25.86
XBADJ	TTP80	-18.20	-9.98	-1.46	7.10	15.44	15.16
XBADJ	TTP81	-35.60	-85.28	-132.37	-175.43	-213.17	-244.42
XBADJ	TTP81	0.00	0.00	0.00	-305.79	-310.19	-305.17
XBADJ	TTP81	-290.88	-267.75	-236.48	-198.03	-154.32	-116.61
XBADJ	TTP81	-118.55	-118.97	-116.39	-110.27	-100.80	-88.27
XBADJ	TTP81	0.00	0.00	0.00	-35.62	-29.87	-23.22
XBADJ	TTP81	-15.87	-8.03	0.06	8.14	15.97	15.16
XBADJ	TTP82	-36.39	-86.59	-134.16	-177.65	-215.75	-247.29
XBADJ	TTP82	0.00	0.00	0.00	-308.87	-313.09	-307.80
XBADJ	TTP82	-293.15	-269.60	-237.86	-198.89	-154.64	-116.37
XBADJ	TTP82	-117.77	-117.66	-114.60	-108.05	-98.22	-85.40
XBADJ	TTP82	0.00	0.00	0.00	-32.54	-26.98	-20.60
XBADJ	TTP82	-13.59	-6.17	1.43	9.00	16.29	14.92
XBADJ	TTP83	-37.03	-87.74	-135.78	-179.70	-218.16	-249.98
XBADJ	TTP83	0.00	0.00	0.00	-311.84	-315.90	-310.37
XBADJ	TTP83	-295.41	-271.47	-239.28	-199.82	-155.05	-116.25
XBADJ	TTP83	-117.12	-116.51	-112.97	-106.00	-95.81	-82.71
XBADJ	TTP83	0.00	0.00	0.00	-29.57	-24.16	-18.03
XBADJ	TTP83	-11.34	-4.31	2.85	9.92	16.70	14.80
XBADJ	STCK1	-118.50	-171.03	-218.36	-259.06	-291.89	-315.85
XBADJ	STCK1	-330.21	-334.54	-331.02	-329.46	-319.11	-299.07
XBADJ	STCK1	-269.93	-232.60	-188.20	-138.08	-84.52	-39.08
XBADJ	STCK1	-35.65	-33.22	-30.39	-26.64	-22.08	-16.85
XBADJ	STCK1	-11.10	-5.02	-2.57	-11.94	-20.96	-29.33
XBADJ	STCK1	-36.81	-43.18	-48.23	-51.82	-53.83	-62.37
XBADJ	STCK2	-108.59	-161.64	-209.79	-251.56	-285.69	-311.13
XBADJ	STCK2	-327.13	-333.18	-331.43	-331.63	-322.96	-304.49
XBADJ	STCK2	-276.76	-240.63	-197.18	-147.74	-94.58	-49.22

XBADJ	STCK2	-45.57	-42.61	-38.97	-34.14	-28.28	-21.56
XBADJ	STCK2	-14.19	-6.38	-2.16	-9.78	-17.10	-23.91
XBADJ	STCK2	-29.98	-35.15	-39.25	-42.15	-43.78	-52.23
YBADJ	IDLE1	-91.73	-79.73	-65.30	-48.88	-30.98	-12.14
YBADJ	IDLE1	7.07	26.44	46.28	61.56	76.01	88.46
YBADJ	IDLE1	98.22	105.00	108.58	108.87	105.85	100.34
YBADJ	IDLE1	91.73	79.73	65.30	48.88	30.98	12.14
YBADJ	IDLE1	-7.07	-26.44	-46.28	-61.56	-76.01	-88.46
YBADJ	IDLE1	-98.22	-105.00	-108.58	-108.87	-105.85	-100.34
YBADJ	IDLE2	-87.79	-76.01	-61.91	-45.93	-28.56	-10.31
YBADJ	IDLE2	8.24	26.93	46.06	60.64	74.42	86.25
YBADJ	IDLE2	95.45	101.76	104.98	105.00	101.83	96.30
YBADJ	IDLE2	87.79	76.01	61.91	45.93	28.56	10.31
YBADJ	IDLE2	-8.24	-26.93	-46.06	-60.64	-74.42	-86.25
YBADJ	IDLE2	-95.45	-101.76	-104.98	-105.00	-101.83	-96.30
YBADJ	IDLE3	-84.05	-72.44	-58.63	-43.04	-26.14	-8.45
YBADJ	IDLE3	9.50	27.54	46.01	59.93	73.07	84.30
YBADJ	IDLE3	92.97	98.81	101.65	101.40	98.07	92.49
YBADJ	IDLE3	84.05	72.44	58.63	43.04	26.14	8.45
YBADJ	IDLE3	-9.50	-27.54	-46.01	-59.93	-73.07	-84.30
YBADJ	IDLE3	-92.97	-98.81	-101.65	-101.40	-98.07	-92.49
YBADJ	IDLE4	-80.15	-68.74	-55.25	-40.08	-23.69	-6.58
YBADJ	IDLE4	10.73	28.09	45.87	59.10	71.57	82.18
YBADJ	IDLE4	90.30	95.66	98.13	97.61	94.12	88.50
YBADJ	IDLE4	80.15	68.74	55.25	40.08	23.69	6.58
YBADJ	IDLE4	-10.73	-28.09	-45.87	-59.10	-71.57	-82.18
YBADJ	IDLE4	-90.30	-95.66	-98.13	-97.61	-94.12	-88.50
YBADJ	IDLE5	-76.12	-64.91	-51.73	-36.97	-21.09	-4.57
YBADJ	IDLE5	12.09	28.76	45.83	58.35	70.14	80.10
YBADJ	IDLE5	87.64	92.50	94.56	93.75	90.09	84.41
YBADJ	IDLE5	76.12	64.91	51.73	36.97	21.09	4.57
YBADJ	IDLE5	-12.09	-28.76	-45.83	-58.35	-70.14	-80.10
YBADJ	IDLE5	-87.64	-92.50	-94.56	-93.75	-90.09	-84.41
YBADJ	IDLE6	-68.50	-57.67	-45.09	-31.14	-16.24	-0.85
YBADJ	IDLE6	14.57	29.92	45.63	56.80	67.29	76.04
YBADJ	IDLE6	82.48	86.42	87.73	86.37	82.39	76.63
YBADJ	IDLE6	68.50	57.67	45.09	31.14	16.24	0.85
YBADJ	IDLE6	-14.57	-29.92	-45.63	-56.80	-67.29	-76.04
YBADJ	IDLE6	-82.48	-86.42	-87.73	-86.37	-82.39	-76.63
YBADJ	IDLE7	-64.57	-53.95	-41.70	-28.19	-13.81	0.98
YBADJ	IDLE7	15.75	30.41	45.42	55.89	65.71	73.84
YBADJ	IDLE7	79.73	83.19	84.13	82.51	78.38	72.60
YBADJ	IDLE7	64.57	53.95	41.70	28.19	13.81	-0.98
YBADJ	IDLE7	-15.75	-30.41	-45.42	-55.89	-65.71	-73.84
YBADJ	IDLE7	-79.73	-83.19	-84.13	-82.51	-78.38	-72.60
YBADJ	IDLE8	-60.82	-50.39	-38.43	-25.30	-11.40	2.84
YBADJ	IDLE8	17.00	31.02	45.37	55.18	64.36	71.90
YBADJ	IDLE8	77.24	80.24	80.81	78.91	74.62	68.79
YBADJ	IDLE8	60.82	50.39	38.43	25.30	11.40	-2.84
YBADJ	IDLE8	-17.00	-31.02	-45.37	-55.18	-64.36	-71.90
YBADJ	IDLE8	-77.24	-80.24	-80.81	-78.91	-74.62	-68.79
YBADJ	IDLE9	-56.92	-46.69	-35.04	-22.33	-8.94	4.72
YBADJ	IDLE9	18.24	31.58	45.23	54.35	62.87	69.78
YBADJ	IDLE9	74.57	77.10	77.28	75.12	70.67	64.80
YBADJ	IDLE9	56.92	46.69	35.04	22.33	8.94	-4.72
YBADJ	IDLE9	-18.24	-31.58	-45.23	-54.35	-62.87	-69.78
YBADJ	IDLE9	-74.57	-77.10	-77.28	-75.12	-70.67	-64.80

YBADJ	IDLE10	-52.90	-42.86	-31.52	-19.23	-6.34	6.73
YBADJ	IDLE10	19.60	32.25	45.19	53.60	61.43	67.70
YBADJ	IDLE10	71.91	73.94	73.72	71.26	66.63	60.71
YBADJ	IDLE10	52.90	42.86	31.52	19.23	6.34	-6.73
YBADJ	IDLE10	-19.60	-32.25	-45.19	-53.60	-61.43	-67.70
YBADJ	IDLE10	-71.91	-73.94	-73.72	-71.26	-66.63	-60.71
YBADJ	IDLE11	-49.05	-39.22	-28.20	-16.33	-3.96	8.53
YBADJ	IDLE11	20.77	32.75	45.00	52.73	59.90	65.56
YBADJ	IDLE11	69.23	70.80	70.21	67.49	62.72	56.77
YBADJ	IDLE11	49.05	39.22	28.20	16.33	3.96	-8.53
YBADJ	IDLE11	-20.77	-32.75	-45.00	-52.73	-59.90	-65.56
YBADJ	IDLE11	-69.23	-70.80	-70.21	-67.49	-62.72	-56.77
YBADJ	IDLE12	-45.13	-35.49	-24.79	-13.32	-1.46	10.46
YBADJ	IDLE12	22.05	33.35	44.91	51.95	58.45	63.49
YBADJ	IDLE12	66.59	67.68	66.70	63.70	58.77	52.77
YBADJ	IDLE12	45.13	35.49	24.79	13.32	1.46	-10.46
YBADJ	IDLE12	-22.05	-33.35	-44.91	-51.95	-58.45	-63.49
YBADJ	IDLE12	-66.59	-67.68	-66.70	-63.70	-58.77	-52.77
YBADJ	IDLE13	-21.99	-13.51	-4.62	4.41	13.30	21.80
YBADJ	IDLE13	29.63	36.93	44.39	47.34	49.90	51.25
YBADJ	IDLE13	51.04	49.28	46.02	41.37	35.45	29.19
YBADJ	IDLE13	21.99	13.51	4.62	-4.41	-13.30	-21.80
YBADJ	IDLE13	-29.63	-36.93	-44.39	-47.34	-49.90	-51.25
YBADJ	IDLE13	-51.04	-49.28	-46.02	-41.37	-35.45	-29.19
YBADJ	IDLE14	-18.15	-9.88	-1.31	7.30	15.69	23.60
YBADJ	IDLE14	30.79	37.43	44.19	46.47	48.37	49.11
YBADJ	IDLE14	48.36	46.14	42.51	37.60	31.54	25.25
YBADJ	IDLE14	18.15	9.88	1.31	-7.30	-15.69	-23.60
YBADJ	IDLE14	-30.79	-37.43	-44.20	-46.47	-48.37	-49.11
YBADJ	IDLE14	-48.36	-46.14	-42.51	-37.60	-31.54	-25.25
YBADJ	IDLE15	-14.23	-6.16	2.10	10.30	18.19	25.52
YBADJ	IDLE15	32.07	38.04	44.10	45.69	46.92	47.04
YBADJ	IDLE15	45.73	43.02	39.01	33.82	27.60	21.26
YBADJ	IDLE15	14.23	6.16	-2.10	-10.30	-18.19	-25.52
YBADJ	IDLE15	-32.07	-38.04	-44.11	-45.69	-46.92	-47.04
YBADJ	IDLE15	-45.73	-43.02	-39.01	-33.82	-27.60	-21.26
YBADJ	IDLE16	-37.61	-28.33	-18.20	-7.51	3.40	14.21
YBADJ	IDLE16	24.59	34.60	44.83	50.54	55.76	59.59
YBADJ	IDLE16	61.61	61.76	60.04	56.49	51.22	45.12
YBADJ	IDLE16	37.61	28.33	18.20	7.51	-3.40	-14.21
YBADJ	IDLE16	-24.59	-34.60	-44.83	-50.54	-55.76	-59.59
YBADJ	IDLE16	-61.61	-61.76	-60.04	-56.49	-51.22	-45.12
YBADJ	IDLE17	-33.67	-24.62	-14.82	-4.56	5.83	16.04
YBADJ	IDLE17	25.77	35.09	44.62	49.64	54.18	57.40
YBADJ	IDLE17	58.86	58.54	56.44	52.63	47.21	41.09
YBADJ	IDLE17	33.67	24.62	14.82	4.56	-5.83	-16.04
YBADJ	IDLE17	-25.77	-35.09	-44.62	-49.64	-54.18	-57.40
YBADJ	IDLE17	-58.86	-58.54	-56.44	-52.63	-47.21	-41.09
YBADJ	IDLE18	-29.93	-21.05	-11.54	-1.68	8.24	17.91
YBADJ	IDLE18	27.03	35.71	44.57	48.92	52.83	55.45
YBADJ	IDLE18	56.38	55.59	53.12	49.03	43.45	37.28
YBADJ	IDLE18	29.93	21.05	11.54	1.68	-8.24	-17.91
YBADJ	IDLE18	-27.03	-35.71	-44.57	-48.92	-52.83	-55.45
YBADJ	IDLE18	-56.38	-55.59	-53.12	-49.03	-43.45	-37.28
YBADJ	IDLE19	-26.01	-17.34	-8.15	1.30	10.70	19.78
YBADJ	IDLE19	28.26	36.26	44.43	48.09	51.33	53.33

YBADJ	IDLE19	53.70	52.44	49.58	45.22	39.49	33.28
YBADJ	IDLE19	26.01	17.34	8.15	-1.30	-10.70	-19.78
YBADJ	IDLE19	-28.26	-36.26	-44.43	-48.09	-51.33	-53.33
YBADJ	IDLE19	-53.70	-52.44	-49.58	-45.22	-39.49	-33.28
YBADJ	IDLE20	9.14	16.04	22.45	28.18	33.05	36.92
YBADJ	IDLE20	39.66	41.58	43.50	40.96	38.21	34.60
YBADJ	IDLE20	29.94	24.38	18.07	11.21	4.01	-2.58
YBADJ	IDLE20	-9.14	-16.04	-22.45	-28.18	-33.05	-36.92
YBADJ	IDLE20	-39.66	-41.58	-43.50	-40.96	-38.21	-34.60
YBADJ	IDLE20	-29.94	-24.38	-18.07	-11.21	-4.01	2.58
YBADJ	IDLE21	12.99	19.68	25.77	31.08	35.44	38.73
YBADJ	IDLE21	40.84	42.09	43.32	40.10	36.69	32.47
YBADJ	IDLE21	27.27	21.24	14.57	7.45	0.10	-6.52
YBADJ	IDLE21	-12.99	-19.68	-25.77	-31.08	-35.44	-38.73
YBADJ	IDLE21	-40.84	-42.09	-43.32	-40.10	-36.69	-32.47
YBADJ	IDLE21	-27.27	-21.24	-14.57	-7.45	-0.10	6.52
YBADJ	IDLE22	16.91	23.41	29.19	34.09	37.95	40.65
YBADJ	IDLE22	42.13	42.70	43.23	39.31	35.24	30.40
YBADJ	IDLE22	24.63	18.12	11.06	3.66	-3.85	-10.52
YBADJ	IDLE22	-16.91	-23.41	-29.19	-34.09	-37.95	-40.65
YBADJ	IDLE22	-42.13	-42.70	-43.23	-39.31	-35.24	-30.40
YBADJ	IDLE22	-24.63	-18.12	-11.06	-3.66	3.85	10.52
YBADJ	IDLE23	-6.46	1.23	8.89	16.27	23.16	29.35
YBADJ	IDLE23	34.64	39.26	43.95	44.17	44.07	42.95
YBADJ	IDLE23	40.52	36.86	32.08	26.33	19.77	13.34
YBADJ	IDLE23	6.46	-1.23	-8.89	-16.27	-23.16	-29.35
YBADJ	IDLE23	-34.64	-39.26	-43.96	-44.17	-44.07	-42.95
YBADJ	IDLE23	-40.52	-36.86	-32.08	-26.33	-19.77	-13.34
YBADJ	IDLE24	-2.53	4.94	12.27	19.22	25.58	31.17
YBADJ	IDLE24	35.81	39.75	43.73	43.25	42.49	40.74
YBADJ	IDLE24	37.76	33.63	28.48	22.46	15.76	9.31
YBADJ	IDLE24	2.53	-4.94	-12.27	-19.22	-25.58	-31.17
YBADJ	IDLE24	-35.81	-39.75	-43.73	-43.25	-42.49	-40.74
YBADJ	IDLE24	-37.76	-33.63	-28.48	-22.46	-15.76	-9.31
YBADJ	IDLE25	1.22	8.51	15.55	22.11	28.00	33.04
YBADJ	IDLE25	37.08	40.37	43.69	42.55	41.15	38.80
YBADJ	IDLE25	35.28	30.69	25.16	18.87	12.00	5.50
YBADJ	IDLE25	-1.22	-8.51	-15.55	-22.11	-28.00	-33.04
YBADJ	IDLE25	-37.08	-40.37	-43.69	-42.55	-41.15	-38.80
YBADJ	IDLE25	-35.28	-30.69	-25.16	-18.87	-12.00	-5.50
YBADJ	IDLE26	5.13	12.22	18.94	25.08	30.47	34.92
YBADJ	IDLE26	38.32	40.93	43.55	41.72	39.65	36.68
YBADJ	IDLE26	32.60	27.53	21.63	15.06	8.04	1.50
YBADJ	IDLE26	-5.13	-12.22	-18.94	-25.08	-30.47	-34.92
YBADJ	IDLE26	-38.32	-40.93	-43.55	-41.72	-39.65	-36.68
YBADJ	IDLE26	-32.60	-27.53	-21.63	-15.06	-8.04	-1.50
YBADJ	IDLE27	39.99	45.33	49.30	51.78	52.67	51.97
YBADJ	IDLE27	49.69	46.28	42.72	34.73	26.71	18.19
YBADJ	IDLE27	9.12	-0.23	-9.57	-18.62	-27.10	-34.04
YBADJ	IDLE27	-39.99	-45.33	-49.30	-51.78	-52.67	-51.97
YBADJ	IDLE27	-49.69	-46.28	-42.72	-34.73	-26.71	-18.19
YBADJ	IDLE27	-9.12	0.23	9.57	18.62	27.10	34.04
YBADJ	IDLE28	43.84	48.98	52.63	54.68	55.07	53.79
YBADJ	IDLE28	50.87	46.79	42.54	33.87	25.20	16.07
YBADJ	IDLE28	6.45	-3.36	-13.07	-22.38	-31.01	-37.98
YBADJ	IDLE28	-43.84	-48.98	-52.63	-54.68	-55.07	-53.79
YBADJ	IDLE28	-50.87	-46.79	-42.54	-33.87	-25.20	-16.07

YBADJ	IDLE28	-6.45	3.36	13.07	22.38	31.01	37.98
YBADJ	IDLE29	47.76	52.70	56.05	57.68	57.57	55.71
YBADJ	IDLE29	52.15	47.39	42.45	33.08	23.74	13.99
YBADJ	IDLE29	3.81	-6.48	-16.58	-26.17	-34.97	-41.98
YBADJ	IDLE29	-47.76	-52.70	-56.05	-57.68	-57.57	-55.71
YBADJ	IDLE29	-52.15	-47.39	-42.45	-33.08	-23.74	-13.99
YBADJ	IDLE29	-3.81	6.48	16.58	26.17	34.97	41.98
YBADJ	IDLE30	24.38	30.52	35.73	39.86	42.78	44.40
YBADJ	IDLE30	44.67	43.96	43.17	37.94	32.58	26.55
YBADJ	IDLE30	19.71	12.27	4.45	-3.50	-11.34	-18.11
YBADJ	IDLE30	-24.38	-30.52	-35.73	-39.86	-42.78	-44.40
YBADJ	IDLE30	-44.67	-43.96	-43.17	-37.94	-32.58	-26.55
YBADJ	IDLE30	-19.71	-12.27	-4.45	3.50	11.34	18.11
YBADJ	IDLE31	28.32	34.24	39.12	42.82	45.21	46.23
YBADJ	IDLE31	45.84	44.44	42.95	37.02	30.99	24.34
YBADJ	IDLE31	16.94	9.03	0.84	-7.37	-15.35	-22.15
YBADJ	IDLE31	-28.32	-34.24	-39.12	-42.82	-45.21	-46.23
YBADJ	IDLE31	-45.84	-44.44	-42.95	-37.02	-30.99	-24.34
YBADJ	IDLE31	-16.94	-9.03	-0.84	7.37	15.35	22.15
YBADJ	IDLE32	32.06	37.81	42.40	45.71	47.63	48.10
YBADJ	IDLE32	47.11	45.06	42.91	36.32	29.65	22.40
YBADJ	IDLE32	14.46	6.09	-2.47	-10.96	-19.11	-25.96
YBADJ	IDLE32	-32.06	-37.81	-42.40	-45.71	-47.63	-48.10
YBADJ	IDLE32	-47.11	-45.06	-42.91	-36.32	-29.65	-22.40
YBADJ	IDLE32	-14.46	-6.09	2.47	10.96	19.11	25.96
YBADJ	IDLE33	35.97	41.51	45.79	48.68	50.08	49.97
YBADJ	IDLE33	48.34	45.62	42.77	35.49	28.16	20.28
YBADJ	IDLE33	11.79	2.94	-6.00	-14.76	-23.07	-29.95
YBADJ	IDLE33	-35.97	-41.51	-45.79	-48.68	-50.08	-49.97
YBADJ	IDLE33	-48.34	-45.62	-42.77	-35.49	-28.16	-20.28
YBADJ	IDLE33	-11.79	-2.94	6.00	14.76	23.07	29.95
YBADJ	IDLE34	71.13	74.89	76.37	75.54	72.41	67.07
YBADJ	IDLE34	59.71	50.90	41.81	28.31	14.99	1.52
YBADJ	IDLE34	-12.00	-25.16	-37.54	-48.79	-58.56	-65.82
YBADJ	IDLE34	-71.13	-74.89	-76.37	-75.54	-72.41	-67.07
YBADJ	IDLE34	-59.71	-50.90	-41.81	-28.31	-14.99	-1.52
YBADJ	IDLE34	12.00	25.16	37.54	48.79	58.56	65.82
YBADJ	IDLE35	74.97	78.52	79.69	78.43	74.79	68.88
YBADJ	IDLE35	60.87	51.40	41.62	27.44	13.46	-0.62
YBADJ	IDLE35	-14.68	-28.30	-41.05	-52.56	-62.47	-69.76
YBADJ	IDLE35	-74.97	-78.52	-79.69	-78.43	-74.79	-68.88
YBADJ	IDLE35	-60.87	-51.40	-41.62	-27.44	-13.46	0.62
YBADJ	IDLE35	14.68	28.30	41.05	52.56	62.47	69.76
YBADJ	IDLE36	78.89	82.24	83.10	81.43	77.29	70.80
YBADJ	IDLE36	62.15	52.00	41.53	26.66	12.01	-2.69
YBADJ	IDLE36	-17.31	-31.41	-44.55	-56.34	-66.42	-73.75
YBADJ	IDLE36	-78.89	-82.24	-83.10	-81.43	-77.29	-70.80
YBADJ	IDLE36	-62.15	-52.00	-41.53	-26.66	-12.01	2.69
YBADJ	IDLE36	17.31	31.41	44.55	56.34	66.42	73.75
YBADJ	IDLE37	55.51	60.07	62.80	63.62	62.50	59.49
YBADJ	IDLE37	54.67	48.57	42.25	31.51	20.85	9.86
YBADJ	IDLE37	-1.43	-12.67	-23.53	-33.67	-42.79	-49.89
YBADJ	IDLE37	-55.51	-60.07	-62.80	-63.62	-62.50	-59.49
YBADJ	IDLE37	-54.67	-48.57	-42.25	-31.51	-20.85	-9.86
YBADJ	IDLE37	1.43	12.67	23.53	33.67	42.79	49.89
YBADJ	IDLE38	59.45	63.78	66.18	66.56	64.92	61.32

YBADJ	IDLE38	55.84	49.05	42.03	30.60	19.26	7.66
YBADJ	IDLE38	-4.18	-15.90	-27.13	-37.54	-46.80	-53.92
YBADJ	IDLE38	-59.45	-63.78	-66.18	-66.56	-64.92	-61.32
YBADJ	IDLE38	-55.84	-49.05	-42.03	-30.60	-19.26	-7.66
YBADJ	IDLE38	4.18	15.90	27.13	37.54	46.80	53.92
YBADJ	IDLE39	63.19	67.35	69.46	69.45	67.34	63.19
YBADJ	IDLE39	57.11	49.67	41.99	29.90	17.92	5.72
YBADJ	IDLE39	-6.66	-18.84	-30.45	-41.13	-50.56	-57.73
YBADJ	IDLE39	-63.19	-67.35	-69.46	-69.45	-67.34	-63.19
YBADJ	IDLE39	-57.11	-49.67	-41.99	-29.90	-17.92	-5.72
YBADJ	IDLE39	6.66	18.84	30.45	41.13	50.56	57.73
YBADJ	IDLE40	67.11	71.06	72.85	72.43	69.81	65.06
YBADJ	IDLE40	58.34	50.23	41.85	29.06	16.42	3.60
YBADJ	IDLE40	-9.34	-22.00	-33.98	-44.94	-54.52	-61.73
YBADJ	IDLE40	-67.11	-71.06	-72.85	-72.43	-69.81	-65.06
YBADJ	IDLE40	-58.34	-50.23	-41.85	-29.06	-16.42	-3.60
YBADJ	IDLE40	9.34	22.00	33.98	44.94	54.52	61.73
YBADJ	IDLE41	102.14	104.34	103.37	99.26	92.13	82.21
YBADJ	IDLE41	69.78	55.62	41.02	22.04	3.43	-14.98
YBADJ	IDLE41	-32.94	-49.89	-65.33	-78.79	-89.85	-97.45
YBADJ	IDLE41	-102.14	-104.34	-103.37	-99.26	-92.13	-82.21
YBADJ	IDLE41	-69.78	-55.62	-41.02	-22.04	-3.43	14.98
YBADJ	IDLE41	32.94	49.89	65.33	78.79	89.85	97.45
YBADJ	IDLE42	106.00	107.99	106.70	102.17	94.53	84.02
YBADJ	IDLE42	70.96	56.13	40.84	21.18	1.91	-17.11
YBADJ	IDLE42	-35.62	-53.04	-68.84	-82.56	-93.77	-101.40
YBADJ	IDLE42	-106.00	-107.99	-106.70	-102.17	-94.53	-84.02
YBADJ	IDLE42	-70.96	-56.13	-40.84	-21.18	-1.91	17.11
YBADJ	IDLE42	35.62	53.04	68.84	82.56	93.77	101.40
YBADJ	IDLE43	86.54	89.53	89.81	87.35	82.24	74.64
YBADJ	IDLE43	64.76	53.30	41.47	25.25	9.30	-6.63
YBADJ	IDLE43	-22.36	-37.41	-51.32	-63.67	-74.09	-81.53
YBADJ	IDLE43	-86.54	-89.53	-89.81	-87.35	-82.24	-74.64
YBADJ	IDLE43	-64.76	-53.30	-41.47	-25.25	-9.30	6.63
YBADJ	IDLE43	22.36	37.41	51.32	63.67	74.09	81.53
YBADJ	IDLE44	90.47	93.24	93.19	90.30	84.67	76.46
YBADJ	IDLE44	65.93	53.78	41.25	24.33	7.71	-8.84
YBADJ	IDLE44	-25.12	-40.64	-54.92	-67.53	-78.10	-85.56
YBADJ	IDLE44	-90.47	-93.24	-93.19	-90.30	-84.66	-76.46
YBADJ	IDLE44	-65.93	-53.78	-41.25	-24.33	-7.71	8.84
YBADJ	IDLE44	25.12	40.64	54.92	67.53	78.10	85.56
YBADJ	IDLE45	94.21	96.81	96.47	93.19	87.08	78.33
YBADJ	IDLE45	67.20	54.40	41.21	23.63	6.37	-10.78
YBADJ	IDLE45	-27.60	-43.58	-58.24	-71.13	-81.85	-89.37
YBADJ	IDLE45	-94.21	-96.81	-96.47	-93.19	-87.08	-78.33
YBADJ	IDLE45	-67.20	-54.40	-41.21	-23.63	-6.37	10.78
YBADJ	IDLE45	27.60	43.58	58.24	71.13	81.86	89.37
YBADJ	IDLE46	98.13	100.52	99.86	96.16	89.55	80.21
YBADJ	IDLE46	68.43	54.96	41.07	22.80	4.87	-12.90
YBADJ	IDLE46	-30.28	-46.74	-61.77	-74.93	-85.82	-93.37
YBADJ	IDLE46	-98.13	-100.52	-99.86	-96.16	-89.55	-80.21
YBADJ	IDLE46	-68.43	-54.96	-41.07	-22.80	-4.87	12.90
YBADJ	IDLE46	30.28	46.74	61.77	74.93	85.82	93.37
YBADJ	TRU1	-92.29	-80.75	-66.75	-50.72	-33.16	-14.58
YBADJ	TRU1	4.44	23.70	43.51	58.84	73.43	86.10
YBADJ	TRU1	96.15	103.28	107.27	108.00	105.45	100.42
YBADJ	TRU1	92.29	80.75	66.75	50.72	33.16	14.58



YBADJ	TRU1	-4.44	-23.70	-43.51	-58.84	-73.43	-86.10
YBADJ	TRU1	-96.15	-103.28	-107.27	-108.00	-105.45	-100.42
YBADJ	TRU2	-88.37	-77.00	-63.28	-47.65	-30.57	-12.56
YBADJ	TRU2	5.84	24.43	43.55	58.19	72.11	84.14
YBADJ	TRU2	93.62	100.25	103.84	104.27	101.54	96.44
YBADJ	TRU2	88.37	77.00	63.28	47.65	30.57	12.56
YBADJ	TRU2	-5.84	-24.43	-43.55	-58.19	-72.11	-84.14
YBADJ	TRU2	-93.62	-100.25	-103.84	-104.27	-101.54	-96.44
YBADJ	TRU3	-84.54	-73.36	-59.96	-44.73	-28.15	-10.71
YBADJ	TRU3	7.06	24.99	43.43	57.40	70.66	82.09
YBADJ	TRU3	91.02	97.18	100.40	100.56	97.67	92.53
YBADJ	TRU3	84.54	73.36	59.96	44.73	28.15	10.71
YBADJ	TRU3	-7.06	-24.99	-43.43	-57.40	-70.66	-82.09
YBADJ	TRU3	-91.02	-97.18	-100.40	-100.56	-97.67	-92.53
YBADJ	TRU4	-80.75	-69.76	-56.66	-41.83	-25.73	-8.85
YBADJ	TRU4	8.30	25.58	43.35	56.65	69.26	80.09
YBADJ	TRU4	88.47	94.17	97.01	96.90	93.85	88.67
YBADJ	TRU4	80.75	69.76	56.66	41.83	25.73	8.85
YBADJ	TRU4	-8.30	-25.58	-43.35	-56.65	-69.26	-80.09
YBADJ	TRU4	-88.47	-94.17	-97.01	-96.90	-93.85	-88.67
YBADJ	TRU5	-76.85	-66.06	-53.27	-38.85	-23.26	-6.96
YBADJ	TRU5	9.55	26.15	43.23	55.84	67.79	77.99
YBADJ	TRU5	85.82	91.05	93.51	93.12	89.91	84.69
YBADJ	TRU5	76.85	66.06	53.27	38.85	23.26	6.96
YBADJ	TRU5	-9.55	-26.15	-43.23	-55.84	-67.79	-77.99
YBADJ	TRU5	-85.82	-91.05	-93.51	-93.12	-89.91	-84.69
YBADJ	TRU6	-69.08	-58.70	-46.54	-32.96	-18.38	-3.24
YBADJ	TRU6	12.00	27.25	42.94	54.17	64.80	73.77
YBADJ	TRU6	80.50	84.78	86.48	85.56	82.04	76.75
YBADJ	TRU6	69.08	58.70	46.54	32.96	18.38	3.24
YBADJ	TRU6	-12.00	-27.25	-42.94	-54.17	-64.80	-73.77
YBADJ	TRU6	-80.50	-84.78	-86.48	-85.56	-82.04	-76.75
YBADJ	TRU7	-65.16	-54.95	-43.07	-29.88	-15.79	-1.22
YBADJ	TRU7	13.40	27.98	42.98	53.52	63.48	71.82
YBADJ	TRU7	77.97	81.76	83.06	81.84	78.13	72.77
YBADJ	TRU7	65.16	54.95	43.07	29.88	15.79	1.22
YBADJ	TRU7	-13.40	-27.98	-42.98	-53.52	-63.48	-71.82
YBADJ	TRU7	-77.97	-81.76	-83.06	-81.84	-78.13	-72.77
YBADJ	TRU8	-61.33	-51.32	-39.74	-26.97	-13.37	0.64
YBADJ	TRU8	14.62	28.54	42.86	52.72	62.03	69.76
YBADJ	TRU8	75.37	78.68	79.61	78.12	74.26	68.86
YBADJ	TRU8	61.33	51.32	39.74	26.97	13.37	-0.64
YBADJ	TRU8	-14.62	-28.54	-42.86	-52.72	-62.03	-69.76
YBADJ	TRU8	-75.37	-78.68	-79.61	-78.12	-74.26	-68.86
YBADJ	TRU9	-57.54	-47.72	-36.44	-24.06	-10.95	2.50
YBADJ	TRU9	15.86	29.13	42.78	51.98	60.63	67.76
YBADJ	TRU9	72.82	75.68	76.23	74.47	70.44	65.00
YBADJ	TRU9	57.54	47.72	36.44	24.06	10.95	-2.50
YBADJ	TRU9	-15.86	-29.13	-42.78	-51.98	-60.63	-67.76
YBADJ	TRU9	-72.82	-75.68	-76.23	-74.47	-70.44	-65.00
YBADJ	TRU10	-53.64	-44.02	-33.05	-21.09	-8.48	4.38
YBADJ	TRU10	17.11	29.70	42.66	51.17	59.16	65.66
YBADJ	TRU10	70.17	72.55	72.72	70.68	66.50	61.02
YBADJ	TRU10	53.64	44.02	33.05	21.09	8.48	-4.38
YBADJ	TRU10	-17.11	-29.70	-42.66	-51.17	-59.16	-65.66
YBADJ	TRU10	-70.17	-72.55	-72.72	-70.68	-66.50	-61.02

YBADJ	TRU11	-49.69	-40.28	-29.65	-18.12	-6.04	6.23
YBADJ	TRU11	18.30	30.20	42.45	50.26	57.58	63.46
YBADJ	TRU11	67.41	69.31	69.11	66.81	62.48	56.97
YBADJ	TRU11	49.69	40.28	29.65	18.12	6.04	-6.23
YBADJ	TRU11	-18.30	-30.20	-42.45	-50.26	-57.58	-63.46
YBADJ	TRU11	-67.41	-69.31	-69.11	-66.81	-62.48	-56.97
YBADJ	TRU12	-45.74	-36.52	-26.19	-15.07	-3.49	8.20
YBADJ	TRU12	19.64	30.86	42.41	49.52	56.16	61.41
YBADJ	TRU12	64.79	66.21	65.61	63.02	58.51	52.95
YBADJ	TRU12	45.74	36.52	26.19	15.07	3.49	-8.20
YBADJ	TRU12	-19.64	-30.86	-42.41	-49.52	-56.16	-61.41
YBADJ	TRU12	-64.79	-66.21	-65.61	-63.02	-58.51	-52.95
YBADJ	TRU13	-38.19	-29.38	-19.69	-9.39	1.19	11.74
YBADJ	TRU13	21.93	31.83	42.03	47.80	53.16	57.22
YBADJ	TRU13	59.53	60.04	58.72	55.62	50.83	45.22
YBADJ	TRU13	38.19	29.38	19.69	9.39	-1.19	-11.74
YBADJ	TRU13	-21.93	-31.83	-42.03	-47.80	-53.16	-57.22
YBADJ	TRU13	-59.53	-60.04	-58.72	-55.62	-50.83	-45.22
YBADJ	TRU14	-34.26	-25.63	-16.22	-6.32	3.78	13.76
YBADJ	TRU14	23.32	32.56	42.07	47.15	51.84	55.26
YBADJ	TRU14	57.01	57.02	55.30	51.90	46.92	41.24
YBADJ	TRU14	34.26	25.63	16.22	6.32	-3.78	-13.76
YBADJ	TRU14	-23.32	-32.56	-42.07	-47.15	-51.84	-55.26
YBADJ	TRU14	-57.01	-57.02	-55.30	-51.90	-46.92	-41.24
YBADJ	TRU15	-30.44	-22.01	-12.90	-3.41	6.19	15.61
YBADJ	TRU15	24.55	33.12	41.94	46.35	50.39	53.21
YBADJ	TRU15	54.41	53.95	51.86	48.19	43.06	37.34
YBADJ	TRU15	30.44	22.01	12.90	3.41	-6.20	-15.61
YBADJ	TRU15	-24.55	-33.12	-41.95	-46.35	-50.39	-53.21
YBADJ	TRU15	-54.41	-53.95	-51.86	-48.19	-43.06	-37.34
YBADJ	TRU16	-26.65	-18.40	-9.59	-0.49	8.62	17.48
YBADJ	TRU16	25.80	33.72	41.88	45.62	49.01	51.22
YBADJ	TRU16	51.87	50.95	48.48	44.54	39.24	33.48
YBADJ	TRU16	26.65	18.40	9.59	0.49	-8.62	-17.48
YBADJ	TRU16	-25.80	-33.72	-41.88	-45.62	-49.01	-51.22
YBADJ	TRU16	-51.87	-50.95	-48.48	-44.54	-39.24	-33.48
YBADJ	TRU17	-22.75	-14.70	-6.20	2.49	11.10	19.37
YBADJ	TRU17	27.05	34.29	41.76	44.80	47.53	49.12
YBADJ	TRU17	49.22	47.82	44.97	40.75	35.29	29.49
YBADJ	TRU17	22.75	14.70	6.20	-2.49	-11.10	-19.37
YBADJ	TRU17	-27.05	-34.29	-41.76	-44.80	-47.53	-49.12
YBADJ	TRU17	-49.22	-47.82	-44.97	-40.75	-35.29	-29.49
YBADJ	TRU18	-18.80	-10.97	-2.81	5.45	13.53	21.21
YBADJ	TRU18	28.24	34.79	41.54	43.90	45.95	46.92
YBADJ	TRU18	46.46	44.59	41.36	36.88	31.28	25.45
YBADJ	TRU18	18.80	10.97	2.81	-5.45	-13.53	-21.21
YBADJ	TRU18	-28.24	-34.79	-41.55	-43.90	-45.95	-46.92
YBADJ	TRU18	-46.46	-44.59	-41.36	-36.88	-31.28	-25.45
YBADJ	TRU19	-14.85	-7.21	0.66	8.50	16.08	23.18
YBADJ	TRU19	29.57	35.45	41.50	43.16	44.54	44.87
YBADJ	TRU19	43.84	41.48	37.86	33.09	27.31	21.43
YBADJ	TRU19	14.85	7.21	-0.66	-8.50	-16.08	-23.18
YBADJ	TRU19	-29.57	-35.45	-41.51	-43.16	-44.54	-44.87
YBADJ	TRU19	-43.84	-41.48	-37.86	-33.09	-27.31	-21.43
YBADJ	TRU20	-7.17	0.07	7.30	14.32	20.90	26.85
YBADJ	TRU20	31.98	36.51	41.20	41.50	41.57	40.69
YBADJ	TRU20	38.57	35.28	30.91	25.61	19.53	13.58

YBADJ	TRU20	7.17	-0.07	-7.30	-14.32	-20.90	-26.85
YBADJ	TRU20	-31.98	-36.51	-41.21	-41.50	-41.57	-40.69
YBADJ	TRU20	-38.57	-35.28	-30.91	-25.61	-19.53	-13.58
YBADJ	TRU21	-3.25	3.82	10.77	17.39	23.49	28.87
YBADJ	TRU21	33.38	37.24	41.24	40.85	40.25	38.73
YBADJ	TRU21	36.04	32.25	27.49	21.88	15.62	9.60
YBADJ	TRU21	3.25	-3.82	-10.77	-17.39	-23.49	-28.87
YBADJ	TRU21	-33.38	-37.24	-41.24	-40.85	-40.25	-38.73
YBADJ	TRU21	-36.04	-32.25	-27.49	-21.88	-15.62	-9.60
YBADJ	TRU22	0.57	7.44	14.09	20.31	25.90	30.72
YBADJ	TRU22	34.60	37.80	41.12	40.05	38.80	36.68
YBADJ	TRU22	33.44	29.19	24.05	18.18	11.76	5.70
YBADJ	TRU22	-0.57	-7.44	-14.09	-20.31	-25.90	-30.72
YBADJ	TRU22	-34.60	-37.80	-41.12	-40.05	-38.80	-36.68
YBADJ	TRU22	-33.44	-29.19	-24.05	-18.18	-11.76	-5.70
YBADJ	TRU23	4.37	11.05	17.40	23.22	28.33	32.58
YBADJ	TRU23	35.84	38.40	41.04	39.30	37.40	34.67
YBADJ	TRU23	30.89	26.17	20.66	14.51	7.93	1.83
YBADJ	TRU23	-4.37	-11.05	-17.40	-23.22	-28.33	-32.58
YBADJ	TRU23	-35.84	-38.40	-41.04	-39.30	-37.40	-34.67
YBADJ	TRU23	-30.89	-26.17	-20.66	-14.51	-7.93	-1.83
YBADJ	TRU24	8.27	14.75	20.79	26.19	30.80	34.47
YBADJ	TRU24	37.09	38.97	40.92	38.49	35.93	32.58
YBADJ	TRU24	28.24	23.05	17.15	10.73	3.99	-2.15
YBADJ	TRU24	-8.27	-14.75	-20.79	-26.19	-30.80	-34.47
YBADJ	TRU24	-37.09	-38.97	-40.92	-38.49	-35.93	-32.58
YBADJ	TRU24	-28.24	-23.05	-17.15	-10.73	-3.99	2.15
YBADJ	TRU25	12.21	18.48	24.18	29.15	33.23	36.31
YBADJ	TRU25	38.28	39.46	40.71	37.58	34.35	30.38
YBADJ	TRU25	25.48	19.82	13.55	6.86	-0.03	-6.19
YBADJ	TRU25	-12.21	-18.48	-24.18	-29.15	-33.23	-36.31
YBADJ	TRU25	-38.28	-39.46	-40.71	-37.58	-34.35	-30.38
YBADJ	TRU25	-25.48	-19.82	-13.55	-6.86	0.03	6.19
YBADJ	TRU26	16.16	22.24	27.64	32.20	35.79	38.28
YBADJ	TRU26	39.61	40.12	40.67	36.85	32.94	28.33
YBADJ	TRU26	22.87	16.71	10.05	3.07	-3.99	-10.21
YBADJ	TRU26	-16.16	-22.24	-27.64	-32.20	-35.79	-38.28
YBADJ	TRU26	-39.61	-40.12	-40.67	-36.85	-32.94	-28.33
YBADJ	TRU26	-22.87	-16.71	-10.04	-3.07	3.99	10.21
YBADJ	TRU27	23.89	29.56	34.33	38.06	40.63	41.97
YBADJ	TRU27	42.03	41.20	40.37	35.18	29.95	24.12
YBADJ	TRU27	17.56	10.47	3.05	-4.45	-11.82	-18.11
YBADJ	TRU27	-23.89	-29.56	-34.33	-38.06	-40.63	-41.97
YBADJ	TRU27	-42.03	-41.20	-40.37	-35.18	-29.95	-24.12
YBADJ	TRU27	-17.56	-10.47	-3.05	4.45	11.82	18.11
YBADJ	TRU28	27.82	33.32	37.80	41.14	43.22	44.00
YBADJ	TRU28	43.43	41.93	40.41	34.53	28.63	22.17
YBADJ	TRU28	15.03	7.44	-0.37	-8.18	-15.74	-22.09
YBADJ	TRU28	-27.82	-33.32	-37.80	-41.14	-43.22	-44.00
YBADJ	TRU28	-43.43	-41.93	-40.41	-34.53	-28.63	-22.17
YBADJ	TRU28	-15.03	-7.44	0.37	8.18	15.74	22.09
YBADJ	TRU29	31.64	36.94	41.12	44.05	45.64	45.84
YBADJ	TRU29	44.65	42.49	40.29	33.73	27.18	20.11
YBADJ	TRU29	12.44	4.38	-3.81	-11.88	-19.60	-25.99
YBADJ	TRU29	-31.64	-36.94	-41.12	-44.05	-45.64	-45.84
YBADJ	TRU29	-44.65	-42.49	-40.29	-33.73	-27.18	-20.11
YBADJ	TRU29	-12.44	-4.38	3.81	11.88	19.60	25.99

YBADJ	TRU30	35.43	40.54	44.42	46.95	48.06	47.70
YBADJ	TRU30	45.90	43.08	40.21	32.98	25.79	18.12
YBADJ	TRU30	9.89	1.37	-7.19	-15.54	-23.41	-29.85
YBADJ	TRU30	-35.43	-40.54	-44.42	-46.95	-48.06	-47.70
YBADJ	TRU30	-45.90	-43.08	-40.21	-32.98	-25.79	-18.12
YBADJ	TRU30	-9.89	-1.37	7.19	15.54	23.41	29.85
YBADJ	TRU31	39.34	44.25	47.82	49.94	50.54	49.60
YBADJ	TRU31	47.16	43.66	40.10	32.18	24.32	16.02
YBADJ	TRU31	7.24	-1.76	-10.70	-19.33	-27.36	-33.84
YBADJ	TRU31	-39.34	-44.25	-47.82	-49.94	-50.54	-49.60
YBADJ	TRU31	-47.16	-43.66	-40.10	-32.18	-24.32	-16.02
YBADJ	TRU31	-7.24	1.76	10.70	19.33	27.36	33.84
YBADJ	TRU32	43.28	47.98	51.21	52.90	52.98	51.44
YBADJ	TRU32	48.35	44.16	39.89	31.27	22.74	13.82
YBADJ	TRU32	4.49	-4.99	-14.31	-23.19	-31.38	-37.88
YBADJ	TRU32	-43.28	-47.98	-51.21	-52.90	-52.98	-51.44
YBADJ	TRU32	-48.35	-44.16	-39.89	-31.27	-22.74	-13.82
YBADJ	TRU32	-4.49	4.99	14.31	23.19	31.38	37.88
YBADJ	TRU33	47.23	51.74	54.68	55.95	55.53	53.42
YBADJ	TRU33	49.68	44.82	39.85	30.54	21.33	11.78
YBADJ	TRU33	1.87	-8.09	-17.81	-26.99	-35.34	-41.90
YBADJ	TRU33	-47.23	-51.74	-54.68	-55.95	-55.53	-53.42
YBADJ	TRU33	-49.68	-44.82	-39.85	-30.54	-21.33	-11.78
YBADJ	TRU33	-1.87	8.09	17.81	26.99	35.34	41.90
YBADJ	TRU34	54.86	58.96	61.28	61.73	60.30	57.05
YBADJ	TRU34	52.06	45.87	39.54	28.88	18.37	7.61
YBADJ	TRU34	-3.38	-14.27	-24.72	-34.42	-43.08	-49.70
YBADJ	TRU34	-54.86	-58.96	-61.28	-61.73	-60.30	-57.05
YBADJ	TRU34	-52.06	-45.87	-39.54	-28.88	-18.37	-7.61
YBADJ	TRU34	3.38	14.27	24.72	34.42	43.08	49.70
YBADJ	TRU35	58.78	62.72	64.74	64.80	62.89	59.07
YBADJ	TRU35	53.46	46.60	39.58	28.23	17.04	5.65
YBADJ	TRU35	-5.91	-17.29	-28.15	-38.15	-46.99	-53.68
YBADJ	TRU35	-58.78	-62.72	-64.74	-64.80	-62.89	-59.07
YBADJ	TRU35	-53.46	-46.60	-39.58	-28.23	-17.04	-5.65
YBADJ	TRU35	5.91	17.29	28.15	38.15	46.99	53.68
YBADJ	TRU36	62.61	66.35	68.07	67.72	65.32	60.92
YBADJ	TRU36	54.68	47.16	39.46	27.43	15.59	3.60
YBADJ	TRU36	-8.51	-20.36	-31.59	-41.86	-50.86	-57.59
YBADJ	TRU36	-62.61	-66.35	-68.07	-67.72	-65.31	-60.92
YBADJ	TRU36	-54.68	-47.16	-39.46	-27.43	-15.59	-3.60
YBADJ	TRU36	8.51	20.36	31.59	41.86	50.86	57.59
YBADJ	TRU37	66.40	69.95	71.38	70.63	67.74	62.79
YBADJ	TRU37	55.94	47.76	39.39	26.69	14.21	1.60
YBADJ	TRU37	-11.05	-23.36	-34.97	-45.51	-54.68	-61.45
YBADJ	TRU37	-66.40	-69.95	-71.38	-70.63	-67.74	-62.79
YBADJ	TRU37	-55.94	-47.76	-39.39	-26.69	-14.21	-1.60
YBADJ	TRU37	11.05	23.36	34.97	45.51	54.68	61.45
YBADJ	TRU38	70.30	73.65	74.76	73.60	70.21	64.68
YBADJ	TRU38	57.19	48.33	39.27	25.88	12.73	-0.49
YBADJ	TRU38	-13.70	-26.49	-38.48	-49.30	-58.62	-65.43
YBADJ	TRU38	-70.30	-73.65	-74.76	-73.60	-70.21	-64.68
YBADJ	TRU38	-57.19	-48.33	-39.27	-25.88	-12.73	0.49
YBADJ	TRU38	13.70	26.49	38.48	49.30	58.62	65.43
YBADJ	TRU39	74.25	77.39	78.17	76.57	72.65	66.52
YBADJ	TRU39	58.37	48.83	39.06	24.97	11.15	-2.70

YBADJ	TRU39	-16.46	-29.73	-42.09	-53.17	-62.64	-69.48
YBADJ	TRU39	-74.25	-77.39	-78.17	-76.57	-72.65	-66.52
YBADJ	TRU39	-58.37	-48.83	-39.06	-24.97	-11.15	2.70
YBADJ	TRU39	16.46	29.73	42.09	53.17	62.64	69.48
YBADJ	TRU40	78.21	81.15	81.63	79.63	75.20	68.50
YBADJ	TRU40	59.71	49.49	39.02	24.23	9.74	-4.74
YBADJ	TRU40	-19.08	-32.83	-45.59	-56.96	-66.61	-73.50
YBADJ	TRU40	-78.21	-81.15	-81.63	-79.63	-75.20	-68.50
YBADJ	TRU40	-59.71	-49.49	-39.02	-24.23	-9.74	4.74
YBADJ	TRU40	19.08	32.83	45.59	56.96	66.61	73.50
YBADJ	TRU41	85.77	88.30	88.14	85.31	79.89	72.04
YBADJ	TRU41	62.00	50.45	38.63	22.50	6.72	-8.95
YBADJ	TRU41	-24.36	-39.02	-52.50	-64.38	-74.31	-81.25
YBADJ	TRU41	-85.77	-88.30	-88.14	-85.31	-79.89	-72.04
YBADJ	TRU41	-61.99	-50.45	-38.63	-22.50	-6.72	8.95
YBADJ	TRU41	24.36	39.02	52.50	64.38	74.31	81.25
YBADJ	TRU42	89.69	92.05	91.61	88.38	82.47	74.05
YBADJ	TRU42	63.38	51.17	38.66	21.84	5.39	-10.92
YBADJ	TRU42	-26.89	-42.05	-55.93	-68.11	-78.22	-85.23
YBADJ	TRU42	-89.69	-92.05	-91.61	-88.38	-82.47	-74.05
YBADJ	TRU42	-63.38	-51.17	-38.66	-21.84	-5.39	10.92
YBADJ	TRU42	26.89	42.05	55.93	68.11	78.22	85.23
YBADJ	TRU43	93.53	95.69	94.94	91.30	84.90	75.91
YBADJ	TRU43	64.62	51.74	38.55	21.05	3.95	-12.97
YBADJ	TRU43	-29.49	-45.12	-59.37	-71.82	-82.09	-89.14
YBADJ	TRU43	-93.53	-95.69	-94.94	-91.30	-84.90	-75.91
YBADJ	TRU43	-64.62	-51.74	-38.55	-21.05	-3.95	12.97
YBADJ	TRU43	29.49	45.12	59.37	71.82	82.09	89.14
YBADJ	TRU44	97.31	99.29	98.24	94.21	87.32	77.77
YBADJ	TRU44	65.86	52.33	38.47	20.30	2.55	-14.97
YBADJ	TRU44	-32.03	-48.12	-62.75	-75.48	-85.91	-93.00
YBADJ	TRU44	-97.31	-99.29	-98.24	-94.21	-87.32	-77.77
YBADJ	TRU44	-65.86	-52.33	-38.47	-20.30	-2.55	14.97
YBADJ	TRU44	32.03	48.12	62.75	75.48	85.91	93.00
YBADJ	TRU45	101.21	102.98	101.63	97.18	89.78	79.66
YBADJ	TRU45	67.11	52.91	38.35	19.49	1.08	-17.06
YBADJ	TRU45	-34.68	-51.25	-66.26	-79.26	-89.85	-96.98
YBADJ	TRU45	-101.21	-102.98	-101.63	-97.18	-89.78	-79.66
YBADJ	TRU45	-67.11	-52.91	-38.35	-19.49	-1.08	17.06
YBADJ	TRU45	34.68	51.25	66.26	79.26	89.85	96.98
YBADJ	TRU46	105.16	106.72	105.03	100.15	92.23	81.50
YBADJ	TRU46	68.30	53.40	38.14	18.58	-0.50	-19.27
YBADJ	TRU46	-37.45	-54.49	-69.87	-83.13	-93.87	-101.03
YBADJ	TRU46	-105.16	-106.72	-105.03	-100.15	-92.23	-81.50
YBADJ	TRU46	-68.30	-53.40	-38.14	-18.58	0.50	19.27
YBADJ	TRU46	37.45	54.49	69.87	83.13	93.87	101.03
YBADJ	TTP1	-102.90	-85.77	-66.02	-44.27	-21.18	2.56
YBADJ	TTP1	26.22	49.46	0.00	0.00	106.08	119.12
YBADJ	TTP1	128.54	134.06	135.50	132.83	126.12	116.30
YBADJ	TTP1	102.90	85.77	66.02	44.27	21.18	-2.56
YBADJ	TTP1	-26.22	-49.46	0.00	0.00	-106.08	-119.12
YBADJ	TTP1	-128.54	-134.06	-135.50	-132.83	-126.12	-116.30
YBADJ	TTP2	-100.05	-83.06	-63.56	-42.11	-19.39	3.91
YBADJ	TTP2	27.10	49.85	0.00	0.00	104.97	117.56
YBADJ	TTP2	126.57	131.74	132.91	130.04	123.22	113.38
YBADJ	TTP2	100.05	83.06	63.56	42.11	19.39	-3.91
YBADJ	TTP2	-27.10	-49.85	0.00	0.00	-104.97	-117.56

YBADJ	TTP2	-126.57	-131.74	-132.91	-130.04	-123.22	-113.38
YBADJ	TTP3	-97.05	-80.20	-60.91	-39.78	-17.43	5.44
YBADJ	TTP3	28.15	50.38	0.00	0.00	103.92	116.03
YBADJ	TTP3	124.61	129.41	130.27	127.18	120.22	110.33
YBADJ	TTP3	97.05	80.20	60.91	39.78	17.43	-5.44
YBADJ	TTP3	-28.15	-50.38	0.00	0.00	-103.92	-116.03
YBADJ	TTP3	-124.61	-129.41	-130.27	-127.18	-120.22	-110.33
YBADJ	TTP4	-93.98	-77.31	-58.30	-37.52	-15.59	6.80
YBADJ	TTP4	28.99	50.68	0.00	0.00	102.61	114.23
YBADJ	TTP4	122.39	126.83	127.41	124.12	117.06	107.17
YBADJ	TTP4	93.98	77.31	58.30	37.52	15.59	-6.80
YBADJ	TTP4	-28.99	-50.68	0.00	0.00	-102.61	-114.23
YBADJ	TTP4	-122.39	-126.83	-127.41	-124.12	-117.06	-107.17
YBADJ	TTP5	-90.99	-74.49	-55.72	-35.26	-13.73	8.22
YBADJ	TTP5	29.92	51.09	0.00	0.00	101.45	112.61
YBADJ	TTP5	120.34	124.41	124.71	121.21	114.04	104.12
YBADJ	TTP5	90.99	74.49	55.72	35.26	13.73	-8.22
YBADJ	TTP5	-29.92	-51.09	0.00	0.00	-101.45	-112.61
YBADJ	TTP5	-120.34	-124.41	-124.71	-121.21	-114.04	-104.12
YBADJ	TTP6	-88.10	-71.70	-53.13	-32.95	-11.76	9.79
YBADJ	TTP6	31.04	51.72	0.00	0.00	100.57	111.25
YBADJ	TTP6	118.55	122.25	122.24	118.51	111.18	101.20
YBADJ	TTP6	88.10	71.70	53.13	32.94	11.76	-9.79
YBADJ	TTP6	-31.04	-51.72	0.00	0.00	-100.57	-111.25
YBADJ	TTP6	-118.55	-122.25	-122.24	-118.51	-111.18	-101.20
YBADJ	TTP7	-85.26	-69.04	-50.72	-30.86	-10.06	11.04
YBADJ	TTP7	31.81	51.99	0.00	0.00	99.34	109.58
YBADJ	TTP7	116.49	119.86	119.59	115.68	108.26	98.28
YBADJ	TTP7	85.26	69.04	50.72	30.86	10.06	-11.04
YBADJ	TTP7	-31.81	-51.99	0.00	0.00	-99.34	-109.58
YBADJ	TTP7	-116.49	-119.86	-119.59	-115.68	-108.26	-98.28
YBADJ	TTP8	-82.40	-66.33	-48.25	-28.70	-8.27	12.40
YBADJ	TTP8	32.70	52.38	0.00	0.00	98.23	108.01
YBADJ	TTP8	114.52	117.54	116.99	112.89	105.36	95.35
YBADJ	TTP8	82.40	66.33	48.25	28.70	8.27	-12.40
YBADJ	TTP8	-32.70	-52.38	0.00	0.00	-98.23	-108.01
YBADJ	TTP8	-114.52	-117.54	-116.99	-112.89	-105.36	-95.35
YBADJ	TTP9	-79.41	-63.47	-45.61	-26.37	-6.32	13.92
YBADJ	TTP9	33.74	52.91	0.00	0.00	97.19	106.49
YBADJ	TTP9	112.56	115.21	114.36	110.03	102.36	92.31
YBADJ	TTP9	79.41	63.47	45.61	26.37	6.32	-13.92
YBADJ	TTP9	-33.74	-52.91	0.00	0.00	-97.19	-106.49
YBADJ	TTP9	-112.56	-115.21	-114.36	-110.03	-102.36	-92.31
YBADJ	TTP10	-76.33	-60.58	-42.99	-24.10	-4.47	15.29
YBADJ	TTP10	34.59	53.21	0.00	0.00	95.87	104.69
YBADJ	TTP10	110.33	112.62	111.49	106.97	99.20	89.14
YBADJ	TTP10	76.33	60.58	42.99	24.10	4.47	-15.29
YBADJ	TTP10	-34.59	-53.21	0.00	0.00	-95.87	-104.69
YBADJ	TTP10	-110.33	-112.62	-111.49	-106.97	-99.20	-89.14
YBADJ	TTP11	-73.35	-57.76	-40.42	-21.85	-2.61	16.71
YBADJ	TTP11	35.51	53.62	0.00	83.79	94.72	103.07
YBADJ	TTP11	108.29	110.22	108.80	104.07	96.18	86.10
YBADJ	TTP11	73.35	57.76	40.42	21.85	2.61	-16.71
YBADJ	TTP11	-35.51	-53.62	0.00	-83.80	-94.72	-103.07
YBADJ	TTP11	-108.29	-110.22	-108.80	-104.07	-96.18	-86.10
YBADJ	TTP12	-70.46	-54.98	-37.83	-19.53	-0.64	18.27

YBADJ	TTP12	36.63	54.25	0.00	83.41	93.83	101.71
YBADJ	TTP12	106.50	108.06	106.33	101.37	93.33	83.18
YBADJ	TTP12	70.46	54.98	37.83	19.53	0.64	-18.27
YBADJ	TTP12	-36.63	-54.25	0.00	-83.41	-93.83	-101.71
YBADJ	TTP12	-106.50	-108.06	-106.33	-101.37	-93.33	-83.18
YBADJ	TTP13	-67.24	-51.93	-35.04	-17.09	1.38	19.81
YBADJ	TTP13	37.64	54.70	0.00	82.72	92.59	99.96
YBADJ	TTP13	104.29	105.46	103.42	98.24	90.07	79.89
YBADJ	TTP13	67.24	51.93	35.04	17.09	-1.38	-19.81
YBADJ	TTP13	-37.64	-54.70	0.00	-82.72	-92.59	-99.96
YBADJ	TTP13	-104.29	-105.46	-103.42	-98.24	-90.07	-79.89
YBADJ	TTP14	-64.38	-49.23	-32.57	-14.93	3.17	21.17
YBADJ	TTP14	38.52	55.09	0.00	82.09	91.48	98.40
YBADJ	TTP14	102.33	103.15	100.83	95.45	87.17	76.97
YBADJ	TTP14	64.38	49.23	32.57	14.93	-3.17	-21.17
YBADJ	TTP14	-38.52	-55.09	0.00	-82.09	-91.48	-98.40
YBADJ	TTP14	-102.33	-103.15	-100.83	-95.45	-87.17	-76.97
YBADJ	TTP15	-61.38	-46.36	-29.93	-12.59	5.13	22.69
YBADJ	TTP15	39.57	55.62	0.00	81.56	90.44	96.87
YBADJ	TTP15	100.37	100.81	98.19	92.59	84.17	73.92
YBADJ	TTP15	61.38	46.36	29.93	12.59	-5.13	-22.69
YBADJ	TTP15	-39.57	-55.62	0.00	-81.56	-90.44	-96.87
YBADJ	TTP15	-100.37	-100.81	-98.19	-92.59	-84.17	-73.92
YBADJ	TTP16	-58.31	-43.47	-27.32	-10.33	6.97	24.06
YBADJ	TTP16	40.42	55.93	0.00	80.78	89.13	95.09
YBADJ	TTP16	98.15	98.23	95.33	89.53	81.02	70.76
YBADJ	TTP16	58.31	43.47	27.32	10.33	-6.97	-24.06
YBADJ	TTP16	-40.42	-55.93	0.00	-80.78	-89.13	-95.09
YBADJ	TTP16	-98.15	-98.23	-95.33	-89.53	-81.02	-70.76
YBADJ	TTP17	-55.33	-40.65	-24.73	-8.07	8.84	25.49
YBADJ	TTP17	41.35	56.34	0.00	80.13	87.97	93.46
YBADJ	TTP17	96.10	95.82	92.63	86.63	77.99	67.71
YBADJ	TTP17	55.33	40.65	24.73	8.07	-8.84	-25.49
YBADJ	TTP17	-41.35	-56.34	0.00	-80.13	-87.97	-93.46
YBADJ	TTP17	-96.10	-95.82	-92.63	-86.63	-77.99	-67.71
YBADJ	TTP18	-52.43	-37.86	-22.14	-5.75	10.81	27.05
YBADJ	TTP18	42.46	56.97	0.00	79.74	87.09	92.10
YBADJ	TTP18	94.31	93.66	90.16	83.92	75.14	64.79
YBADJ	TTP18	52.43	37.86	22.14	5.75	-10.81	-27.05
YBADJ	TTP18	-42.46	-56.97	0.00	-79.74	-87.09	-92.10
YBADJ	TTP18	-94.31	-93.66	-90.16	-83.92	-75.14	-64.79
YBADJ	TTP19	-49.23	-34.86	-19.42	-3.39	12.73	28.48
YBADJ	TTP19	43.35	57.29	0.00	78.92	85.73	90.24
YBADJ	TTP19	92.01	90.98	87.19	80.75	71.85	61.50
YBADJ	TTP19	49.23	34.86	19.42	3.39	-12.74	-28.48
YBADJ	TTP19	-43.35	-57.29	0.00	-78.92	-85.73	-90.24
YBADJ	TTP19	-92.01	-90.98	-87.19	-80.75	-71.85	-61.50
YBADJ	TTP20	-46.38	-32.15	-16.95	-1.23	14.52	29.83
YBADJ	TTP20	44.24	57.68	0.00	78.30	84.62	88.67
YBADJ	TTP20	90.04	88.67	84.60	77.96	68.96	58.58
YBADJ	TTP20	46.38	32.15	16.95	1.23	-14.52	-29.83
YBADJ	TTP20	-44.24	-57.68	0.00	-78.30	-84.62	-88.67
YBADJ	TTP20	-90.04	-88.67	-84.60	-77.96	-68.96	-58.58
YBADJ	TTP21	-43.38	-29.29	-14.31	1.10	16.48	31.36
YBADJ	TTP21	45.28	58.21	0.00	77.77	83.57	87.15
YBADJ	TTP21	88.08	86.33	81.96	75.10	65.95	55.53
YBADJ	TTP21	43.38	29.29	14.31	-1.10	-16.48	-31.36

YBADJ	TTP21	-45.28	-58.21	0.00	-77.77	-83.57	-87.15
YBADJ	TTP21	-88.08	-86.33	-81.96	-75.10	-65.95	-55.53
YBADJ	TTP22	-40.31	-26.40	-11.69	3.37	18.33	32.73
YBADJ	TTP22	46.14	58.52	0.00	76.98	82.27	85.36
YBADJ	TTP22	85.86	83.75	79.10	72.04	62.80	52.37
YBADJ	TTP22	40.31	26.40	11.69	-3.37	-18.33	-32.73
YBADJ	TTP22	-46.14	-58.52	0.00	-76.98	-82.27	-85.36
YBADJ	TTP22	-85.86	-83.75	-79.10	-72.04	-62.80	-52.37
YBADJ	TTP23	-37.32	-23.58	-9.11	5.63	20.20	34.15
YBADJ	TTP23	47.07	58.94	0.00	76.33	81.11	83.73
YBADJ	TTP23	83.81	81.34	76.40	69.14	59.77	49.32
YBADJ	TTP23	37.32	23.58	9.11	-5.63	-20.20	-34.15
YBADJ	TTP23	-47.07	-58.94	0.00	-76.33	-81.11	-83.73
YBADJ	TTP23	-83.81	-81.34	-76.40	-69.14	-59.77	-49.32
YBADJ	TTP24	-34.43	-20.79	-6.52	7.94	22.17	35.72
YBADJ	TTP24	48.18	59.56	0.00	75.95	80.23	82.38
YBADJ	TTP24	82.02	79.18	73.93	66.43	56.92	46.40
YBADJ	TTP24	34.43	20.79	6.52	-7.94	-22.17	-35.72
YBADJ	TTP24	-48.18	-59.56	0.00	-75.95	-80.23	-82.38
YBADJ	TTP24	-82.02	-79.18	-73.93	-66.43	-56.92	-46.40
YBADJ	TTP25	-31.69	-18.20	-4.16	10.01	23.87	37.01
YBADJ	TTP25	49.03	59.93	0.00	75.34	79.16	80.87
YBADJ	TTP25	80.13	76.96	71.45	63.76	54.14	43.60
YBADJ	TTP25	31.69	18.20	4.16	-10.01	-23.87	-37.01
YBADJ	TTP25	-49.03	-59.93	0.00	-75.34	-79.16	-80.87
YBADJ	TTP25	-80.13	-76.96	-71.45	-63.76	-54.14	-43.60
YBADJ	TTP26	-28.83	-15.50	-1.69	12.17	25.66	38.37
YBADJ	TTP26	49.91	60.32	0.00	74.72	78.04	79.31
YBADJ	TTP26	78.16	74.64	68.86	60.98	51.24	40.68
YBADJ	TTP26	28.83	15.50	1.69	-12.17	-25.66	-38.37
YBADJ	TTP26	-49.91	-60.32	0.00	-74.72	-78.04	-79.31
YBADJ	TTP26	-78.16	-74.64	-68.86	-60.98	-51.24	-40.68
YBADJ	TTP27	-25.83	-12.63	0.95	14.51	27.62	39.89
YBADJ	TTP27	50.95	60.85	0.00	74.19	77.00	77.78
YBADJ	TTP27	76.20	72.31	66.22	58.11	48.24	37.63
YBADJ	TTP27	25.83	12.63	-0.95	-14.51	-27.62	-39.89
YBADJ	TTP27	-50.95	-60.85	0.00	-74.19	-77.00	-77.78
YBADJ	TTP27	-76.20	-72.31	-66.22	-58.11	-48.24	-37.63
YBADJ	TTP28	-22.76	-9.75	3.56	16.77	29.46	41.26
YBADJ	TTP28	51.80	61.15	0.00	73.39	75.68	75.99
YBADJ	TTP28	73.98	69.73	63.35	55.06	45.09	34.47
YBADJ	TTP28	22.76	9.75	-3.56	-16.77	-29.46	-41.26
YBADJ	TTP28	-51.80	-61.15	0.00	-73.39	-75.68	-75.99
YBADJ	TTP28	-73.98	-69.73	-63.35	-55.06	-45.09	-34.47
YBADJ	TTP29	-19.78	-6.92	6.14	19.02	31.33	42.68
YBADJ	TTP29	52.73	61.56	0.00	72.74	74.53	74.36
YBADJ	TTP29	71.93	67.31	60.65	52.15	42.06	31.42
YBADJ	TTP29	19.78	6.92	-6.14	-19.02	-31.33	-42.68
YBADJ	TTP29	-52.73	-61.56	0.00	-72.74	-74.53	-74.36
YBADJ	TTP29	-71.93	-67.31	-60.65	-52.15	-42.06	-31.42
YBADJ	TTP30	-16.88	-4.14	8.73	21.34	33.30	44.24
YBADJ	TTP30	53.84	62.19	0.00	72.36	73.64	73.00
YBADJ	TTP30	70.14	65.15	58.18	49.45	39.21	28.50
YBADJ	TTP30	16.88	4.14	-8.73	-21.34	-33.30	-44.24
YBADJ	TTP30	-53.84	-62.19	0.00	-72.36	-73.64	-73.00
YBADJ	TTP30	-70.14	-65.15	-58.18	-49.45	-39.21	-28.50



YBADJ	TTP31	-13.62	-1.01	11.64	23.94	35.50	45.99
YBADJ	TTP31	55.08	62.88	0.00	71.90	72.63	71.46
YBADJ	TTP31	68.12	62.71	55.39	46.40	35.99	25.21
YBADJ	TTP31	13.62	1.01	-11.64	-23.94	-35.50	-45.99
YBADJ	TTP31	-55.08	-62.88	0.00	-71.90	-72.63	-71.46
YBADJ	TTP31	-68.12	-62.71	-55.39	-46.40	-35.99	-25.21
YBADJ	TTP32	-10.77	1.70	14.11	26.10	37.29	47.35
YBADJ	TTP32	55.97	63.27	0.00	71.28	71.52	69.90
YBADJ	TTP32	66.15	60.40	52.81	43.61	33.09	22.29
YBADJ	TTP32	10.77	-1.70	-14.11	-26.10	-37.29	-47.35
YBADJ	TTP32	-55.97	-63.27	0.00	-71.28	-71.52	-69.90
YBADJ	TTP32	-66.15	-60.40	-52.81	-43.61	-33.09	-22.29
YBADJ	TTP33	-7.76	4.56	16.75	28.43	39.25	48.87
YBADJ	TTP33	57.01	63.79	0.00	70.75	70.48	68.37
YBADJ	TTP33	64.19	58.06	50.16	40.74	30.09	19.24
YBADJ	TTP33	7.76	-4.56	-16.75	-28.43	-39.25	-48.87
YBADJ	TTP33	-57.01	-63.79	0.00	-70.75	-70.48	-68.37
YBADJ	TTP33	-64.19	-58.06	-50.16	-40.74	-30.09	-19.24
YBADJ	TTP34	-4.69	7.45	19.37	30.70	41.10	50.24
YBADJ	TTP34	57.86	64.11	0.00	69.96	69.17	66.58
YBADJ	TTP34	61.98	55.49	47.31	37.69	26.93	16.08
YBADJ	TTP34	4.69	-7.45	-19.37	-30.70	-41.10	-50.24
YBADJ	TTP34	-57.86	-64.11	0.00	-69.96	-69.17	-66.58
YBADJ	TTP34	-61.98	-55.48	-47.31	-37.69	-26.93	-16.08
YBADJ	TTP35	-1.71	10.28	21.95	32.96	42.96	51.66
YBADJ	TTP35	58.80	64.52	0.00	69.31	68.01	64.96
YBADJ	TTP35	59.92	53.07	44.61	34.79	23.91	13.03
YBADJ	TTP35	1.71	-10.28	-21.95	-32.96	-42.96	-51.66
YBADJ	TTP35	-58.80	-64.52	0.00	-69.31	-68.01	-64.96
YBADJ	TTP35	-59.92	-53.07	-44.61	-34.79	-23.91	-13.03
YBADJ	TTP36	1.19	13.06	24.54	35.27	44.93	53.23
YBADJ	TTP36	59.91	65.14	0.00	68.93	67.13	63.60
YBADJ	TTP36	58.14	50.91	42.14	32.08	21.05	10.11
YBADJ	TTP36	-1.19	-13.06	-24.54	-35.27	-44.93	-53.23
YBADJ	TTP36	-59.91	-65.14	0.00	-68.93	-67.13	-63.60
YBADJ	TTP36	-58.14	-50.91	-42.14	-32.08	-21.05	-10.11
YBADJ	TTP37	4.50	16.18	27.37	37.72	46.93	54.72
YBADJ	TTP37	60.84	65.49	0.00	68.09	65.73	61.68
YBADJ	TTP37	55.76	48.14	39.06	28.79	17.65	6.70
YBADJ	TTP37	-4.50	-16.18	-27.37	-37.72	-46.93	-54.72
YBADJ	TTP37	-60.84	-65.49	0.00	-68.09	-65.73	-61.68
YBADJ	TTP37	-55.76	-48.14	-39.06	-28.79	-17.65	-6.70
YBADJ	TTP38	7.36	18.88	29.84	39.88	48.72	56.07
YBADJ	TTP38	61.72	65.88	0.00	67.46	64.62	60.11
YBADJ	TTP38	53.79	45.82	36.47	26.01	14.76	3.78
YBADJ	TTP38	-7.36	-18.88	-29.84	-39.88	-48.72	-56.07
YBADJ	TTP38	-61.72	-65.88	0.00	-67.46	-64.62	-60.11
YBADJ	TTP38	-53.79	-45.82	-36.47	-26.01	-14.76	-3.78
YBADJ	TTP39	10.36	21.75	32.48	42.22	50.68	57.60
YBADJ	TTP39	62.77	66.41	0.00	66.93	63.57	58.59
YBADJ	TTP39	51.83	43.49	33.83	23.14	11.75	0.73
YBADJ	TTP39	-10.36	-21.75	-32.48	-42.22	-50.68	-57.60
YBADJ	TTP39	-62.77	-66.41	0.00	-66.93	-63.57	-58.59
YBADJ	TTP39	-51.83	-43.49	-33.83	-23.14	-11.75	-0.73
YBADJ	TTP40	13.43	24.64	35.09	44.49	52.53	58.97
YBADJ	TTP40	63.62	66.72	0.00	66.15	62.27	56.80
YBADJ	TTP40	49.61	40.91	30.97	20.09	8.60	-2.43

YBADJ	TTP40	-13.43	-24.64	-35.09	-44.49	-52.53	-58.97
YBADJ	TTP40	-63.62	-66.72	0.00	-66.15	-62.27	-56.80
YBADJ	TTP40	-49.61	-40.91	-30.97	-20.09	-8.60	2.43
YBADJ	TTP41	16.41	27.46	37.68	46.75	54.39	60.39
YBADJ	TTP41	64.55	67.13	0.00	65.50	61.11	55.17
YBADJ	TTP41	47.56	38.50	28.27	17.18	5.57	-5.48
YBADJ	TTP41	-16.41	-27.46	-37.68	-46.75	-54.39	-60.39
YBADJ	TTP41	-64.55	-67.13	0.00	-65.50	-61.11	-55.17
YBADJ	TTP41	-47.56	-38.50	-28.27	-17.18	-5.57	5.48
YBADJ	TTP42	19.31	30.25	40.26	49.06	56.36	61.96
YBADJ	TTP42	65.66	67.76	0.00	65.11	60.22	53.82
YBADJ	TTP42	45.77	36.34	25.80	14.48	2.72	-8.40
YBADJ	TTP42	-19.31	-30.25	-40.26	-49.06	-56.36	-61.96
YBADJ	TTP42	-65.66	-67.76	0.00	-65.11	-60.22	-53.82
YBADJ	TTP42	-45.77	-36.34	-25.80	-14.48	-2.72	8.40
YBADJ	TTP43	22.07	32.88	42.69	51.20	58.16	63.36
YBADJ	TTP43	66.62	68.24	0.00	64.62	59.27	52.42
YBADJ	TTP43	43.97	34.20	23.38	11.85	-0.04	-11.20
YBADJ	TTP43	-22.07	-32.88	-42.69	-51.20	-58.16	-63.36
YBADJ	TTP43	-66.62	-68.24	0.00	-64.62	-59.27	-52.42
YBADJ	TTP43	-43.97	-34.20	-23.38	-11.85	0.04	11.20
YBADJ	TTP44	24.92	35.58	45.16	53.36	59.95	64.71
YBADJ	TTP44	67.51	68.63	0.00	64.00	58.15	50.85
YBADJ	TTP44	42.00	31.88	20.79	9.06	-2.93	-14.12
YBADJ	TTP44	-24.92	-35.58	-45.16	-53.36	-59.95	-64.71
YBADJ	TTP44	-67.51	-68.63	0.00	-64.00	-58.15	-50.85
YBADJ	TTP44	-42.00	-31.88	-20.79	-9.06	2.93	14.12
YBADJ	TTP45	27.92	38.45	47.80	55.70	61.91	66.24
YBADJ	TTP45	68.55	69.16	0.00	63.47	57.11	49.33
YBADJ	TTP45	40.04	29.54	18.15	6.20	-5.94	-17.17
YBADJ	TTP45	-27.92	-38.45	-47.80	-55.70	-61.91	-66.24
YBADJ	TTP45	-68.55	-69.16	0.00	-63.47	-57.11	-49.33
YBADJ	TTP45	-40.04	-29.54	-18.15	-6.20	5.94	17.17
YBADJ	TTP46	30.99	41.33	50.41	57.96	63.75	67.60
YBADJ	TTP46	69.40	69.46	0.00	62.67	55.80	47.53
YBADJ	TTP46	37.82	26.96	15.29	3.14	-9.09	-20.33
YBADJ	TTP46	-30.99	-41.33	-50.41	-57.96	-63.75	-67.60
YBADJ	TTP46	-69.40	-69.46	0.00	-62.67	-55.80	-47.53
YBADJ	TTP46	-37.82	-26.96	-15.29	-3.14	9.09	20.33
YBADJ	TTP47	33.98	44.16	52.99	60.22	65.62	69.02
YBADJ	TTP47	70.33	69.88	0.00	62.03	54.64	45.90
YBADJ	TTP47	35.77	24.55	12.58	0.24	-12.12	-23.38
YBADJ	TTP47	-33.98	-44.16	-52.99	-60.22	-65.62	-69.02
YBADJ	TTP47	-70.33	-69.88	0.00	-62.03	-54.64	-45.90
YBADJ	TTP47	-35.77	-24.55	-12.58	-0.24	12.12	23.38
YBADJ	TTP48	36.87	46.94	55.58	62.53	67.59	70.58
YBADJ	TTP48	71.44	70.50	0.00	61.64	53.75	44.55
YBADJ	TTP48	33.98	22.39	10.12	-2.47	-14.97	-26.30
YBADJ	TTP48	-36.87	-46.94	-55.58	-62.53	-67.59	-70.58
YBADJ	TTP48	-71.44	-70.50	0.00	-61.64	-53.75	-44.55
YBADJ	TTP48	-33.98	-22.39	-10.12	2.47	14.97	26.30
YBADJ	TTP49	40.21	50.10	58.47	65.07	69.69	72.19
YBADJ	TTP49	72.49	70.98	0.00	60.93	52.47	42.74
YBADJ	TTP49	31.70	19.70	7.10	-5.71	-18.35	-29.71
YBADJ	TTP49	-40.21	-50.10	-58.47	-65.07	-69.69	-72.19
YBADJ	TTP49	-72.49	-70.98	0.00	-60.93	-52.47	-42.74
YBADJ	TTP49	-31.70	-19.70	-7.10	5.71	18.35	29.71

YBADJ	TTP50	43.06	52.81	60.94	67.23	71.47	73.54
YBADJ	TTP50	73.38	71.36	0.00	60.30	51.36	41.17
YBADJ	TTP50	29.73	17.39	4.51	-8.50	-21.25	-32.63
YBADJ	TTP50	-43.06	-52.81	-60.94	-67.23	-71.47	-73.54
YBADJ	TTP50	-73.38	-71.36	0.00	-60.30	-51.36	-41.17
YBADJ	TTP50	-29.73	-17.39	-4.51	8.50	21.25	32.63
YBADJ	TTP51	46.07	55.67	63.58	69.56	73.43	75.07
YBADJ	TTP51	74.42	71.89	0.00	59.77	50.32	39.65
YBADJ	TTP51	27.77	15.05	1.87	-11.36	-24.25	-35.68
YBADJ	TTP51	-46.07	-55.67	-63.58	-69.56	-73.43	-75.07
YBADJ	TTP51	-74.42	-71.89	0.00	-59.77	-50.32	-39.65
YBADJ	TTP51	-27.77	-15.05	-1.87	11.36	24.25	35.68
YBADJ	TTP52	49.14	58.56	66.20	71.83	75.28	76.44
YBADJ	TTP52	75.28	72.21	0.00	58.99	49.01	37.86
YBADJ	TTP52	25.56	12.48	-0.98	-14.41	-27.41	-38.84
YBADJ	TTP52	-49.14	-58.56	-66.20	-71.83	-75.28	-76.44
YBADJ	TTP52	-75.28	-72.21	0.00	-58.99	-49.01	-37.86
YBADJ	TTP52	-25.56	-12.48	0.98	14.41	27.41	38.84
YBADJ	TTP53	52.12	61.38	68.78	74.08	77.14	77.85
YBADJ	TTP53	76.20	72.61	0.00	58.33	47.85	36.22
YBADJ	TTP53	23.50	10.06	-3.69	-17.32	-30.43	-41.89
YBADJ	TTP53	-52.12	-61.38	-68.78	-74.08	-77.14	-77.85
YBADJ	TTP53	-76.20	-72.61	0.00	-58.33	-47.85	-36.22
YBADJ	TTP53	-23.50	-10.06	3.69	17.32	30.43	41.89
YBADJ	TTP54	55.02	64.17	71.37	76.40	79.12	79.42
YBADJ	TTP54	77.32	73.24	0.00	57.95	46.97	34.88
YBADJ	TTP54	21.72	7.90	-6.15	-20.02	-33.29	-44.81
YBADJ	TTP54	-55.02	-64.17	-71.37	-76.40	-79.12	-79.42
YBADJ	TTP54	-77.32	-73.24	0.00	-57.95	-46.97	-34.88
YBADJ	TTP54	-21.72	-7.90	6.15	20.02	33.29	44.81
YBADJ	TTP55	57.95	66.90	73.82	78.50	80.79	80.62
YBADJ	TTP55	78.01	73.41	0.00	57.06	45.58	33.03
YBADJ	TTP55	19.48	5.34	-8.97	-23.01	-36.34	-47.85
YBADJ	TTP55	-57.95	-66.90	-73.82	-78.50	-80.79	-80.62
YBADJ	TTP55	-78.01	-73.41	0.00	-57.06	-45.58	-33.03
YBADJ	TTP55	-19.48	-5.34	8.97	23.01	36.34	47.85
YBADJ	TTP56	60.81	69.61	76.30	80.66	82.58	81.98
YBADJ	TTP56	78.90	73.80	0.00	56.43	44.47	31.47
YBADJ	TTP56	17.51	3.01	-11.57	-25.80	-39.25	-50.78
YBADJ	TTP56	-60.81	-69.61	-76.30	-80.66	-82.58	-81.98
YBADJ	TTP56	-78.90	-73.80	0.00	-56.43	-44.47	-31.47
YBADJ	TTP56	-17.51	-3.01	11.57	25.80	39.25	50.78
YBADJ	TTP57	63.81	72.47	78.93	82.99	84.53	83.50
YBADJ	TTP57	79.94	74.32	0.00	55.90	43.43	29.95
YBADJ	TTP57	15.55	0.69	-14.20	-28.66	-42.24	-53.82
YBADJ	TTP57	-63.81	-72.47	-78.93	-82.99	-84.53	-83.50
YBADJ	TTP57	-79.94	-74.32	0.00	-55.90	-43.43	-29.95
YBADJ	TTP57	-15.55	-0.69	14.20	28.66	42.24	53.82
YBADJ	TTP58	66.89	75.37	81.55	85.27	86.39	84.88
YBADJ	TTP58	80.80	74.64	0.00	55.12	42.12	28.15
YBADJ	TTP58	13.33	-1.90	-17.07	-31.72	-45.41	-56.99
YBADJ	TTP58	-66.89	-75.37	-81.55	-85.27	-86.39	-84.88
YBADJ	TTP58	-80.80	-74.64	0.00	-55.12	-42.12	-28.15
YBADJ	TTP58	-13.33	1.90	17.07	31.72	45.41	56.99
YBADJ	TTP59	69.86	78.18	84.12	87.51	88.24	86.29
YBADJ	TTP59	81.72	75.04	0.00	54.46	40.96	26.52

YBADJ	TTP59	11.28	-4.31	-19.77	-34.62	-48.42	-60.03
YBADJ	TTP59	-69.86	-78.18	-84.12	-87.51	-88.24	-86.29
YBADJ	TTP59	-81.72	-75.04	0.00	-54.46	-40.96	-26.52
YBADJ	TTP59	-11.28	4.31	19.77	34.62	48.42	60.03
YBADJ	TTP60	72.76	80.97	86.72	89.83	90.22	87.86
YBADJ	TTP60	82.84	75.67	0.00	54.08	40.08	25.17
YBADJ	TTP60	9.50	-6.46	-22.23	-37.32	-51.28	-62.95
YBADJ	TTP60	-72.76	-80.97	-86.72	-89.83	-90.22	-87.86
YBADJ	TTP60	-82.84	-75.67	0.00	-54.08	-40.08	-25.17
YBADJ	TTP60	-9.50	6.46	22.23	37.32	51.28	62.95
YBADJ	TTP61	76.02	84.10	89.63	92.43	92.42	89.61
YBADJ	TTP61	84.07	0.00	0.00	53.63	39.07	23.63
YBADJ	TTP61	7.48	-8.91	-25.02	-40.37	-54.50	-66.24
YBADJ	TTP61	-76.02	-84.10	-89.63	-92.43	-92.42	-89.61
YBADJ	TTP61	-84.07	0.00	0.00	-53.63	-39.07	-23.63
YBADJ	TTP61	-7.48	8.91	25.02	40.37	54.50	66.24
YBADJ	TTP62	78.88	86.81	92.10	94.60	94.22	90.97
YBADJ	TTP62	84.96	0.00	0.00	53.00	37.95	22.06
YBADJ	TTP62	5.50	-11.23	-27.62	-43.16	-57.40	-69.17
YBADJ	TTP62	-78.88	-86.81	-92.10	-94.60	-94.22	-90.97
YBADJ	TTP62	-84.96	0.00	0.00	-53.00	-37.95	-22.06
YBADJ	TTP62	-5.50	11.23	27.62	43.16	57.40	69.17
YBADJ	TTP63	81.88	89.67	94.74	96.93	96.17	92.49
YBADJ	TTP63	86.00	0.00	0.00	52.47	36.91	20.54
YBADJ	TTP63	3.55	-13.56	-30.25	-46.02	-60.40	-72.21
YBADJ	TTP63	-81.88	-89.67	-94.74	-96.93	-96.17	-92.49
YBADJ	TTP63	-86.00	0.00	0.00	-52.47	-36.91	-20.54
YBADJ	TTP63	-3.55	13.56	30.25	46.02	60.40	72.21
YBADJ	TTP64	84.95	92.56	97.36	99.19	98.02	93.86
YBADJ	TTP64	86.85	0.00	0.00	51.68	35.60	18.74
YBADJ	TTP64	1.32	-16.15	-33.12	-49.09	-63.56	-75.38
YBADJ	TTP64	-84.95	-92.56	-97.36	-99.19	-98.02	-93.86
YBADJ	TTP64	-86.85	0.00	0.00	-51.68	-35.60	-18.74
YBADJ	TTP64	-1.32	16.15	33.12	49.09	63.56	75.38
YBADJ	TTP65	87.93	95.38	99.93	101.44	99.88	95.28
YBADJ	TTP65	87.78	0.00	0.00	51.03	34.44	17.12
YBADJ	TTP65	-0.73	-18.55	-35.81	-51.98	-66.58	-78.42
YBADJ	TTP65	-87.93	-95.38	-99.93	-101.44	-99.88	-95.28
YBADJ	TTP65	-87.78	0.00	0.00	-51.03	-34.44	-17.12
YBADJ	TTP65	0.73	18.55	35.81	51.98	66.58	78.42
YBADJ	TTP66	90.82	98.16	102.52	103.76	101.85	96.84
YBADJ	TTP66	88.89	0.00	0.00	50.64	33.56	15.76
YBADJ	TTP66	-2.51	-20.71	-38.28	-54.69	-69.43	-81.34
YBADJ	TTP66	-90.82	-98.16	-102.52	-103.76	-101.85	-96.84
YBADJ	TTP66	-88.89	0.00	0.00	-50.64	-33.56	-15.76
YBADJ	TTP66	2.51	20.71	38.28	54.69	69.43	81.34
YBADJ	TTP67	93.79	100.95	105.04	105.94	103.62	98.16
YBADJ	TTP67	89.71	0.00	0.00	49.88	32.29	14.03
YBADJ	TTP67	-4.66	-23.20	-41.04	-57.63	-72.48	-84.39
YBADJ	TTP67	-93.79	-100.95	-105.04	-105.94	-103.62	-98.16
YBADJ	TTP67	-89.71	0.00	0.00	-49.88	-32.29	-14.03
YBADJ	TTP67	4.66	23.20	41.04	57.63	72.48	84.39
YBADJ	TTP68	96.64	103.65	107.51	108.10	105.41	99.51
YBADJ	TTP68	90.60	0.00	0.00	49.25	31.18	12.46
YBADJ	TTP68	-6.63	-25.52	-43.63	-60.42	-75.37	-87.31
YBADJ	TTP68	-96.64	-103.65	-107.51	-108.10	-105.41	-99.51
YBADJ	TTP68	-90.60	0.00	0.00	-49.25	-31.18	-12.46

YBADJ	TTP68	6.63	25.52	43.63	60.42	75.37	87.31
YBADJ	TTP69	99.63	106.51	110.14	110.43	107.36	101.03
YBADJ	TTP69	91.63	0.00	0.00	48.72	30.14	10.94
YBADJ	TTP69	-8.58	-27.84	-46.26	-63.28	-78.37	-90.35
YBADJ	TTP69	-99.63	-106.51	-110.14	-110.43	-107.36	-101.03
YBADJ	TTP69	-91.63	0.00	0.00	-48.72	-30.14	-10.94
YBADJ	TTP69	8.58	27.84	46.26	63.28	78.37	90.35
YBADJ	TTP70	102.71	109.40	112.76	112.70	109.21	102.40
YBADJ	TTP70	92.48	0.00	0.00	47.93	28.82	9.14
YBADJ	TTP70	-10.81	-30.43	-49.13	-66.34	-81.53	-93.52
YBADJ	TTP70	-102.71	-109.40	-112.76	-112.70	-109.21	-102.40
YBADJ	TTP70	-92.48	0.00	0.00	-47.93	-28.82	-9.14
YBADJ	TTP70	10.81	30.43	49.13	66.34	81.53	93.52
YBADJ	TTP71	105.69	112.21	115.33	114.95	111.07	103.82
YBADJ	TTP71	93.41	0.00	0.00	47.28	27.67	7.52
YBADJ	TTP71	-12.86	-32.84	-51.83	-69.24	-84.55	-96.56
YBADJ	TTP71	-105.69	-112.21	-115.33	-114.95	-111.07	-103.82
YBADJ	TTP71	-93.41	0.00	0.00	-47.28	-27.67	-7.52
YBADJ	TTP71	12.86	32.84	51.83	69.24	84.55	96.56
YBADJ	TTP72	108.59	115.01	117.93	117.27	113.05	105.39
YBADJ	TTP72	94.53	0.00	0.00	46.89	26.78	6.16
YBADJ	TTP72	-14.65	-35.01	-54.30	-71.95	-87.41	-99.49
YBADJ	TTP72	-108.59	-115.01	-117.93	-117.27	-113.05	-105.39
YBADJ	TTP72	-94.53	0.00	0.00	-46.89	-26.78	-6.16
YBADJ	TTP72	14.65	35.01	54.30	71.95	87.41	99.49
YBADJ	TTP73	111.68	117.94	120.61	119.61	114.99	106.86
YBADJ	TTP73	95.49	0.00	0.00	46.22	25.58	4.47
YBADJ	TTP73	-16.77	-37.51	-57.10	-74.96	-90.54	-102.65
YBADJ	TTP73	-111.68	-117.94	-120.61	-119.61	-114.99	-106.86
YBADJ	TTP73	-95.49	0.00	0.00	-46.22	-25.58	-4.47
YBADJ	TTP73	16.77	37.51	57.10	74.96	90.54	102.65
YBADJ	TTP74	114.55	120.65	123.08	121.78	116.78	108.22
YBADJ	TTP74	96.38	0.00	0.00	45.60	24.47	2.91
YBADJ	TTP74	-18.75	-39.83	-59.70	-77.76	-93.45	-105.58
YBADJ	TTP74	-114.55	-120.65	-123.08	-121.78	-116.78	-108.22
YBADJ	TTP74	-96.38	0.00	0.00	-45.60	-24.47	-2.91
YBADJ	TTP74	18.75	39.83	59.70	77.76	93.45	105.58
YBADJ	TTP75	117.54	123.51	125.72	124.11	118.73	109.74
YBADJ	TTP75	97.42	0.00	0.00	45.07	23.43	1.39
YBADJ	TTP75	-20.70	-42.16	-62.33	-80.61	-96.44	-108.62
YBADJ	TTP75	-117.54	-123.51	-125.72	-124.11	-118.73	-109.74
YBADJ	TTP75	-97.42	0.00	0.00	-45.07	-23.43	-1.39
YBADJ	TTP75	20.70	42.16	62.33	80.61	96.44	108.62
YBADJ	TTP76	120.62	126.40	128.34	126.38	120.58	111.12
YBADJ	TTP76	98.28	0.00	0.00	44.28	22.12	-0.41
YBADJ	TTP76	-22.92	-44.74	-65.20	-83.67	-99.61	-111.79
YBADJ	TTP76	-120.62	-126.40	-128.34	-126.38	-120.58	-111.12
YBADJ	TTP76	-98.28	0.00	0.00	-44.28	-22.12	0.41
YBADJ	TTP76	22.92	44.74	65.20	83.67	99.61	111.79
YBADJ	TTP77	123.59	129.21	130.91	128.63	122.44	112.53
YBADJ	TTP77	99.20	0.00	0.00	43.63	20.96	-2.04
YBADJ	TTP77	-24.97	-47.15	-67.89	-86.57	-102.62	-114.83
YBADJ	TTP77	-123.59	-129.21	-130.91	-128.63	-122.44	-112.53
YBADJ	TTP77	-99.20	0.00	0.00	-43.63	-20.96	2.04
YBADJ	TTP77	24.97	47.15	67.89	86.57	102.62	114.83
YBADJ	TTP78	126.49	132.00	133.50	130.95	124.42	114.10





\*\* Auto-Generated Plotfiles  
PLOTFILE PERIOD ALL "15639 Ops HRA.AD\PE00GALL.PLT" 31  
SUMMFILE "15639 Ops HRA.sum"  
OU FINISHED

\*\*\* Message Summary For AERMOD Model Setup \*\*\*

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)  
A Total of 133 Warning Message(s)  
A Total of 0 Informational Message(s)

\*\*\*\*\* FATAL ERROR MESSAGES \*\*\*\*\*  
\*\*\* NONE \*\*\*

\*\*\*\*\* WARNING MESSAGES \*\*\*\*\*

SO W320	1417	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1418	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1419	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1420	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1421	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1422	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1423	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1424	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1425	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1426	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1427	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1428	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1429	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1430	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1431	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1432	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1433	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1434	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1435	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1436	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1437	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1438	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1439	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1440	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1441	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1442	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1443	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1444	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1445	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1446	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1447	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1448	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1449	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1450	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1451	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1452	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1453	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1454	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1455	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1456	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1457	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1458	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1459	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1460	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1461	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1462	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS





SO W320	1575	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1576	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1577	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1578	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1579	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1580	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1581	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1582	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1583	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1584	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1585	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1586	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1587	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1588	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1589	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1590	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1591	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1634	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1635	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
ME W186	8704	MEOpen: THRESH_1MIN 1-min ASOS wind speed threshold used	0.50
ME W187	8704	MEOpen: ADJ_U* Option for Stable Low Winds used in AERMET	

\*\*\*\*\*  
 \*\*\* SETUP Finishes Successfully \*\*\*  
 \*\*\*\*\*

\*\*\* AERMOD - VERSION 23132 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\15639  
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\*\*\* MODELOPTs:      RegDFault    CONC    ELEV    URBAN    ADJ\_U\*

\*\*\*      MODEL SETUP OPTIONS SUMMARY      \*\*\*

\*\* Model Options Selected:

- \* Model Uses Regulatory DEFAULT Options
- \* Model Is Setup For Calculation of Average CONCentration Values.
- \* NO GAS DEPOSITION Data Provided.
- \* NO PARTICLE DEPOSITION Data Provided.
- \* Model Uses NO DRY DEPLETION. DDPLETE = F
- \* Model Uses NO WET DEPLETION. WETDPLT = F
- \* Stack-tip Downwash.
- \* Model Accounts for ELEVated Terrain Effects.
- \* Use Calms Processing Routine.
- \* Use Missing Data Processing Routine.
- \* No Exponential Decay.
- \* Model Uses URBAN Dispersion Algorithm for the SBL for 1003 Source(s),  
 for Total of 1 Urban Area(s):  
 Urban Population = 62651.0 ; Urban Roughness Length = 1.000 m
- \* Urban Roughness Length of 1.0 Meter Used.
- \* ADJ\_U\* - Use ADJ\_U\* option for SBL in AERMET
- \* CCVR\_Sub - Meteorological data includes CCVR substitutions
- \* TEMP\_Sub - Meteorological data includes TEMP substitutions
- \* Model Assumes No FLAGPOLE Receptor Heights.
- \* The User Specified a Pollutant Type of: DPM

\*\*Model Calculates PERIOD Averages Only

\*\*This Run Includes:      1003 Source(s);      1 Source Group(s); and      119 Receptor(s)

with:      177 POINT(s), including  
             0 POINTCAP(s) and      0 POINTHOR(s)

and: 826 VOLUME source(s)  
 and: 0 AREA type source(s)  
 and: 0 LINE source(s)  
 and: 0 RLINE/RLINEXT source(s)  
 and: 0 OPENPIT source(s)  
 and: 0 BUOYANT LINE source(s) with a total of 0 line(s)  
 and: 0 SWPOINT source(s)

\*\*Model Set To Continue RUNNING After the Setup Testing.

\*\*The AERMET Input Meteorological Data Version Date: 21112

\*\*Output Options Selected:

Model Outputs Tables of PERIOD Averages by Receptor  
 Model Outputs 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) = 30.00 ; Decay Coef. =  
 0.000 ; Rot. Angle = 0.0  
 Emission Units = GRAMS/SEC ; Emission Rate  
 Unit Factor = 0.10000E+07  
 Output Units = MICROGRAMS/M\*\*3

\*\*Approximate Storage Requirements of Model = 6.6 MB of RAM.

\*\*Input Runstream File:

aermod.inp

\*\*Output Print File:

aermod.out

\*\*Detailed Error/Message File: 15639 Ops

HRA.err

\*\*File for Summary of Results: 15639 Ops

HRA.sum

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\*\*\* AERMET - VERSION 21112 \*\*\*

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* POINT SOURCE DATA \*\*\*

SOURCE	DIAMETER	ID	STACK PART.	EMIS RATE	BASE ELEV.	STACK HEIGHT	STACK TEMP.	STACK EXIT VEL.	
									NUMBER STACK
		EXISTED SOURCE HOR		SCALAR		VARY BY			
		ID	CATS.	(METERS)	(METERS)	(METERS)	(METERS)	(DEG.K)	(M/SEC)

IDLE1	0	0.84776E-06	658435.2	4184223.5	13.3	3.84	366.00	51.71
0.10	YES	YES	NO					
IDLE2	0	0.84776E-06	658439.2	4184223.7	13.3	3.84	366.00	51.71
0.10	YES	YES	NO					
IDLE3	0	0.84776E-06	658443.0	4184223.7	13.3	3.84	366.00	51.71
0.10	YES	YES	NO					

IDLE4		0	0.84776E-06	658447.0	4184223.9	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
IDLE5		0	0.84776E-06	658451.1	4184223.9	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
IDLE6		0	0.84776E-06	658458.9	4184224.1	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
IDLE7		0	0.84776E-06	658462.9	4184224.3	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
IDLE8		0	0.84776E-06	658466.7	4184224.4	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
IDLE9		0	0.84776E-06	658470.7	4184224.5	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
IDLE10		0	0.84776E-06	658474.8	4184224.6	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
IDLE11		0	0.84776E-06	658478.8	4184224.8	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
IDLE12		0	0.84776E-06	658482.7	4184224.9	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
IDLE13		0	0.84776E-06	658506.3	4184225.4	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
IDLE14		0	0.84776E-06	658510.3	4184225.6	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
IDLE15		0	0.84776E-06	658514.3	4184225.7	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
IDLE16		0	0.84776E-06	658490.4	4184224.9	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
IDLE17		0	0.84776E-06	658494.4	4184225.1	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
IDLE18		0	0.84776E-06	658498.2	4184225.2	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
IDLE19		0	0.84776E-06	658502.2	4184225.3	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
IDLE20		0	0.84776E-06	658538.1	4184226.2	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
IDLE21		0	0.84776E-06	658542.0	4184226.4	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
IDLE22		0	0.84776E-06	658546.0	4184226.5	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
IDLE23		0	0.84776E-06	658522.2	4184225.8	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
IDLE24		0	0.84776E-06	658526.2	4184226.0	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
IDLE25		0	0.84776E-06	658530.0	4184226.1	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
IDLE26		0	0.84776E-06	658534.0	4184226.2	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
IDLE27		0	0.84776E-06	658569.6	4184227.0	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
IDLE28		0	0.84776E-06	658573.5	4184227.2	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
IDLE29		0	0.84776E-06	658577.5	4184227.3	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
IDLE30		0	0.84776E-06	658553.6	4184226.6	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
IDLE31		0	0.84776E-06	658557.7	4184226.8	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
IDLE32		0	0.84776E-06	658561.5	4184226.8	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
IDLE33		0	0.84776E-06	658565.5	4184227.0	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
IDLE34		0	0.84776E-06	658601.3	4184227.9	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
IDLE35		0	0.84776E-06	658605.3	4184228.1	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
IDLE36		0	0.84776E-06	658609.3	4184228.2	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						





TRU37		0	0.36762E-04	658597.0	4184230.4	13.2	3.96	501.00	49.00
0.04	YES	YES	NO						
TRU38		0	0.36762E-04	658601.0	4184230.5	13.2	3.96	501.00	49.00
0.04	YES	YES	NO						
TRU39		0	0.36762E-04	658605.0	4184230.7	13.2	3.96	501.00	49.00
0.04	YES	YES	NO						
TRU40		0	0.36762E-04	658609.0	4184230.7	13.2	3.96	501.00	49.00
0.04	YES	YES	NO						
TRU41		0	0.36762E-04	658616.8	4184231.1	13.2	3.96	501.00	49.00
0.04	YES	YES	NO						
TRU42		0	0.36762E-04	658620.8	4184231.1	13.3	3.96	501.00	49.00
0.04	YES	YES	NO						
TRU43		0	0.36762E-04	658624.7	4184231.2	13.3	3.96	501.00	49.00
0.04	YES	YES	NO						
TRU44		0	0.36762E-04	658628.5	4184231.3	13.3	3.96	501.00	49.00
0.04	YES	YES	NO						
TRU45		0	0.36762E-04	658632.5	4184231.4	13.3	3.96	501.00	49.00
0.04	YES	YES	NO						
TRU46		0	0.36762E-04	658636.5	4184231.6	13.3	3.96	501.00	49.00
0.04	YES	YES	NO						
TTP1		0	0.15661E-06	658419.2	4184197.3	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP2		0	0.15661E-06	658422.1	4184197.4	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP3		0	0.15661E-06	658425.2	4184197.4	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP4		0	0.15661E-06	658428.4	4184197.7	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP5		0	0.15661E-06	658431.4	4184197.8	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP6		0	0.15661E-06	658434.3	4184197.7	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP7		0	0.15661E-06	658437.2	4184197.9	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP8		0	0.15661E-06	658440.2	4184198.0	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP9		0	0.15661E-06	658443.2	4184198.0	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP10		0	0.15661E-06	658446.4	4184198.3	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP11		0	0.15661E-06	658449.4	4184198.4	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP12		0	0.15661E-06	658452.3	4184198.3	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP13		0	0.15661E-06	658455.6	4184198.4	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP14		0	0.15661E-06	658458.6	4184198.5	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP15		0	0.15661E-06	658461.6	4184198.5	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP16		0	0.15661E-06	658464.8	4184198.8	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP17		0	0.15661E-06	658467.8	4184198.9	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP18		0	0.15661E-06	658470.7	4184198.8	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP19		0	0.15661E-06	658474.0	4184199.0	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP20		0	0.15661E-06	658476.9	4184199.1	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP21		0	0.15661E-06	658480.0	4184199.1	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP22		0	0.15661E-06	658483.2	4184199.4	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP23		0	0.15661E-06	658486.2	4184199.5	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						

TTP24	0	0.15661E-06	658489.1	4184199.4	13.2	3.84	366.00	51.71
0.10	YES	YES	NO					
TTP25	0	0.15661E-06	658491.9	4184199.5	13.2	3.84	366.00	51.71
0.10	YES	YES	NO					
TTP26	0	0.15661E-06	658494.8	4184199.6	13.2	3.84	366.00	51.71
0.10	YES	YES	NO					
TTP27	0	0.15661E-06	658497.9	4184199.6	13.2	3.84	366.00	51.71
0.10	YES	YES	NO					
TTP28	0	0.15661E-06	658501.1	4184199.8	13.2	3.84	366.00	51.71
0.10	YES	YES	NO					

\*\*\* AERMOD - VERSION 23132 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\15639  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* POINT SOURCE DATA \*\*\*

SOURCE	DIAMETER	ID	STACK PART.	NUMBER EXISTS	EMISSION SOURCE	RATE BLDG HOR	URBAN CAP/ X	EMIS RATE Y	BASE ELEV.	STACK HEIGHT	STACK TEMP.	STACK EXIT	STACK VEL.

TTP29	0	0.15661E-06	658504.1	4184200.0	13.2	3.84	366.00	51.71
0.10	YES	YES	NO					
TTP30	0	0.15661E-06	658507.0	4184199.8	13.2	3.84	366.00	51.71
0.10	YES	YES	NO					
TTP31	0	0.15661E-06	658510.3	4184199.7	13.2	3.84	366.00	51.71
0.10	YES	YES	NO					
TTP32	0	0.15661E-06	658513.2	4184199.8	13.2	3.84	366.00	51.71
0.10	YES	YES	NO					
TTP33	0	0.15661E-06	658516.3	4184199.8	13.2	3.84	366.00	51.71
0.10	YES	YES	NO					
TTP34	0	0.15661E-06	658519.4	4184200.1	13.2	3.84	366.00	51.71
0.10	YES	YES	NO					
TTP35	0	0.15661E-06	658522.5	4184200.2	13.2	3.84	366.00	51.71
0.10	YES	YES	NO					
TTP36	0	0.15661E-06	658525.4	4184200.1	13.2	3.84	366.00	51.71
0.10	YES	YES	NO					
TTP37	0	0.15661E-06	658528.8	4184200.3	13.2	3.84	366.00	51.71
0.10	YES	YES	NO					
TTP38	0	0.15661E-06	658531.7	4184200.5	13.2	3.84	366.00	51.71
0.10	YES	YES	NO					
TTP39	0	0.15661E-06	658534.8	4184200.5	13.2	3.84	366.00	51.71
0.10	YES	YES	NO					
TTP40	0	0.15661E-06	658538.0	4184200.7	13.2	3.84	366.00	51.71
0.10	YES	YES	NO					
TTP41	0	0.15661E-06	658541.0	4184200.8	13.2	3.84	366.00	51.71
0.10	YES	YES	NO					
TTP42	0	0.15661E-06	658543.9	4184200.7	13.2	3.84	366.00	51.71
0.10	YES	YES	NO					
TTP43	0	0.15661E-06	658546.7	4184200.7	13.2	3.84	366.00	51.71
0.10	YES	YES	NO					
TTP44	0	0.15661E-06	658549.6	4184200.8	13.2	3.84	366.00	51.71
0.10	YES	YES	NO					
TTP45	0	0.15661E-06	658552.7	4184200.8	13.2	3.84	366.00	51.71
0.10	YES	YES	NO					
TTP46	0	0.15661E-06	658555.9	4184201.1	13.2	3.84	366.00	51.71
0.10	YES	YES	NO					



TTP47		0	0.15661E-06	658558.9	4184201.2	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP48		0	0.15661E-06	658561.8	4184201.1	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP49		0	0.15661E-06	658565.2	4184201.2	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP50		0	0.15661E-06	658568.2	4184201.3	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP51		0	0.15661E-06	658571.2	4184201.3	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP52		0	0.15661E-06	658574.4	4184201.6	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP53		0	0.15661E-06	658577.4	4184201.7	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP54		0	0.15661E-06	658580.3	4184201.6	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP55		0	0.15661E-06	658583.4	4184201.9	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP56		0	0.15661E-06	658586.3	4184202.0	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP57		0	0.15661E-06	658589.3	4184202.0	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP58		0	0.15661E-06	658592.5	4184202.3	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP59		0	0.15661E-06	658595.6	4184202.4	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP60		0	0.15661E-06	658598.5	4184202.3	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP61		0	0.15661E-06	658601.8	4184202.2	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP62		0	0.15661E-06	658604.7	4184202.3	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP63		0	0.15661E-06	658607.7	4184202.3	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP64		0	0.15661E-06	658610.9	4184202.5	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP65		0	0.15661E-06	658613.9	4184202.6	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP66		0	0.15661E-06	658616.9	4184202.5	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP67		0	0.15661E-06	658619.9	4184202.8	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP68		0	0.15661E-06	658622.8	4184202.9	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* POINT SOURCE DATA \*\*\*

SOURCE	DIAMETER (METERS)	ID	STACK PART. CATS.	NUMBER EXISTS	EMISSION SOURCE	RATE (GRAMS/SEC) HOR	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)
VARY BY										
-----										

TTP69		0	0.15661E-06	658625.9	4184202.9	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						

TTP70		0	0.15661E-06	658629.0	4184203.1	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP71		0	0.15661E-06	658632.1	4184203.3	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP72		0	0.15661E-06	658635.0	4184203.1	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP73		0	0.15661E-06	658638.2	4184203.3	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP74		0	0.15661E-06	658641.1	4184203.4	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP75		0	0.15661E-06	658644.1	4184203.4	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP76		0	0.15661E-06	658647.3	4184203.6	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP77		0	0.15661E-06	658650.4	4184203.7	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP78		0	0.15661E-06	658653.3	4184203.6	13.4	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP79		0	0.15661E-06	658656.1	4184203.7	13.4	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP80		0	0.15661E-06	658659.0	4184203.9	13.4	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP81		0	0.15661E-06	658662.0	4184203.9	13.4	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP82		0	0.15661E-06	658665.2	4184204.1	13.4	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP83		0	0.15661E-06	658668.3	4184204.2	13.4	3.84	366.00	51.71
0.10	YES	YES	NO						
STCK1		0	0.10710E-01	658699.8	4184281.4	13.6	3.55	728.55	54.78
0.13	YES	YES	NO HRDOW7						
STCK2		0	0.10710E-01	658700.2	4184271.3	13.6	3.84	798.16	160.56
0.17	YES	YES	NO HRDOW7						

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

SOURCE	NUMBER	EMISSION RATE	AIRCRAFT		BASE	RELEASE	INIT.	INIT.
SOURCE	URBAN	EMISSION RATE	X	Y	ELEV.	HEIGHT	SY	SZ
ID	PART.	(GRAMS/SEC)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	SCALAR VARY	BY						
	CATS.							
L0000001	0	0.21280E-05	658420.1	4184210.0	13.2	3.49	4.00	3.25
YES		NO						
L0000002	0	0.21280E-05	658428.7	4184210.2	13.3	3.49	4.00	3.25
YES		NO						
L0000003	0	0.21280E-05	658437.3	4184210.4	13.3	3.49	4.00	3.25
YES		NO						
L0000004	0	0.21280E-05	658445.9	4184210.6	13.3	3.49	4.00	3.25
YES		NO						
L0000005	0	0.21280E-05	658454.5	4184210.7	13.3	3.49	4.00	3.25
YES		NO						
L0000006	0	0.21280E-05	658463.0	4184210.9	13.3	3.49	4.00	3.25
YES		NO						
L0000007	0	0.21280E-05	658471.6	4184211.1	13.3	3.49	4.00	3.25
YES		NO						


L0000008	0	0.21280E-05	658480.2	4184211.2	13.3	3.49	4.00	3.25
YES		NO						
L0000009	0	0.21280E-05	658488.8	4184211.4	13.3	3.49	4.00	3.25
YES		NO						
L0000010	0	0.21280E-05	658497.4	4184211.6	13.3	3.49	4.00	3.25
YES		NO						
L0000011	0	0.21280E-05	658506.0	4184211.8	13.2	3.49	4.00	3.25
YES		NO						
L0000012	0	0.21280E-05	658514.6	4184211.9	13.2	3.49	4.00	3.25
YES		NO						
L0000013	0	0.21280E-05	658523.2	4184212.1	13.2	3.49	4.00	3.25
YES		NO						
L0000014	0	0.21280E-05	658531.8	4184212.3	13.2	3.49	4.00	3.25
YES		NO						
L0000015	0	0.21280E-05	658540.3	4184212.4	13.2	3.49	4.00	3.25
YES		NO						
L0000016	0	0.21280E-05	658548.9	4184212.6	13.2	3.49	4.00	3.25
YES		NO						
L0000017	0	0.21280E-05	658557.5	4184212.8	13.2	3.49	4.00	3.25
YES		NO						
L0000018	0	0.21280E-05	658566.1	4184213.0	13.2	3.49	4.00	3.25
YES		NO						
L0000019	0	0.21280E-05	658574.7	4184213.1	13.3	3.49	4.00	3.25
YES		NO						
L0000020	0	0.21280E-05	658583.3	4184213.3	13.3	3.49	4.00	3.25
YES		NO						
L0000021	0	0.21280E-05	658591.9	4184213.5	13.3	3.49	4.00	3.25
YES		NO						
L0000022	0	0.21280E-05	658600.5	4184213.7	13.3	3.49	4.00	3.25
YES		NO						
L0000023	0	0.21280E-05	658609.0	4184213.9	13.3	3.49	4.00	3.25
YES		NO						
L0000024	0	0.21280E-05	658617.6	4184214.1	13.3	3.49	4.00	3.25
YES		NO						
L0000025	0	0.21280E-05	658626.2	4184214.4	13.3	3.49	4.00	3.25
YES		NO						
L0000026	0	0.21280E-05	658634.8	4184214.6	13.3	3.49	4.00	3.25
YES		NO						
L0000027	0	0.21280E-05	658643.4	4184214.9	13.3	3.49	4.00	3.25
YES		NO						
L0000028	0	0.21280E-05	658652.0	4184215.1	13.4	3.49	4.00	3.25
YES		NO						
L0000029	0	0.21280E-05	658660.6	4184215.3	13.4	3.49	4.00	3.25
YES		NO						
L0000030	0	0.21280E-05	658669.2	4184215.6	13.4	3.49	4.00	3.25
YES		NO						
L0000031	0	0.21280E-05	658677.7	4184215.8	13.5	3.49	4.00	3.25
YES		NO						
L0000032	0	0.21280E-05	658686.3	4184216.1	13.5	3.49	4.00	3.25
YES		NO						
L0000033	0	0.21280E-05	658694.9	4184216.6	13.6	3.49	4.00	3.25
YES		NO						
L0000034	0	0.21280E-05	658703.5	4184217.1	13.6	3.49	4.00	3.25
YES		NO						
L0000035	0	0.21280E-05	658712.1	4184217.3	13.6	3.49	4.00	3.25
YES		NO						
L0000036	0	0.21280E-05	658720.6	4184217.8	13.6	3.49	4.00	3.25
YES		NO						
L0000037	0	0.21280E-05	658729.2	4184218.8	13.6	3.49	4.00	3.25
YES		NO						
L0000038	0	0.21280E-05	658737.7	4184219.8	13.6	3.49	4.00	3.25
YES		NO						
L0000039	0	0.21280E-05	658746.1	4184221.5	13.5	3.49	4.00	3.25
YES		NO						
L0000040	0	0.21280E-05	658754.5	4184223.2	13.3	3.49	4.00	3.25
YES		NO						

\*\*\* MODELOPTs: RegDFault CONC ELEV URBAN ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

SOURCE SOURCE ID (METERS)	SCALAR VARY CATS.	NUMBER URBAN PART. (GRAMS/SEC) BY	EMISSION RATE (GRAMS/SEC)	AIRCRAFT		BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ
				X	Y				
L0000041	0	0.57900E-06	658774.4	4184216.3	13.0	3.49	6.51	3.25	
YES		NO							
L0000042	0	0.57900E-06	658776.5	4184202.5	13.0	3.49	6.51	3.25	
YES		NO							
L0000043	0	0.57900E-06	658777.6	4184188.5	13.0	3.49	6.51	3.25	
YES		NO							
L0000044	0	0.57900E-06	658777.6	4184174.5	12.9	3.49	6.51	3.25	
YES		NO							
L0000045	0	0.57900E-06	658777.6	4184160.5	12.9	3.49	6.51	3.25	
YES		NO							
L0000046	0	0.57900E-06	658777.2	4184146.6	12.9	3.49	6.51	3.25	
YES		NO							
L0000047	0	0.57900E-06	658776.1	4184132.6	13.0	3.49	6.51	3.25	
YES		NO							
L0000048	0	0.57900E-06	658775.1	4184118.6	13.1	3.49	6.51	3.25	
YES		NO							
L0000049	0	0.57900E-06	658774.1	4184104.7	13.0	3.49	6.51	3.25	
YES		NO							
L0000050	0	0.57900E-06	658771.3	4184091.0	13.0	3.49	6.51	3.25	
YES		NO							
L0000051	0	0.57900E-06	658767.6	4184077.5	13.0	3.49	6.51	3.25	
YES		NO							
L0000052	0	0.57900E-06	658764.0	4184064.0	13.0	3.49	6.51	3.25	
YES		NO							
L0000053	0	0.57900E-06	658760.4	4184050.4	13.0	3.49	6.51	3.25	
YES		NO							
L0000054	0	0.57900E-06	658756.8	4184036.9	13.0	3.49	6.51	3.25	
YES		NO							
L0000055	0	0.57900E-06	658752.3	4184023.7	12.9	3.49	6.51	3.25	
YES		NO							
L0000056	0	0.57900E-06	658747.6	4184010.5	12.8	3.49	6.51	3.25	
YES		NO							
L0000057	0	0.57900E-06	658742.8	4183997.3	12.9	3.49	6.51	3.25	
YES		NO							
L0000058	0	0.57900E-06	658736.8	4183984.7	12.9	3.49	6.51	3.25	
YES		NO							
L0000059	0	0.57900E-06	658730.8	4183972.0	12.9	3.49	6.51	3.25	
YES		NO							
L0000060	0	0.57900E-06	658724.8	4183959.4	12.9	3.49	6.51	3.25	
YES		NO							
L0000061	0	0.57900E-06	658717.8	4183947.3	12.9	3.49	6.51	3.25	
YES		NO							
L0000062	0	0.57900E-06	658710.0	4183935.7	12.9	3.49	6.51	3.25	
YES		NO							
L0000063	0	0.57900E-06	658702.2	4183924.1	12.9	3.49	6.51	3.25	
YES		NO							

L0000064	0	0.57900E-06	658694.4	4183912.4	12.9	3.49	6.51	3.25
YES		NO						
L0000065	0	0.57900E-06	658686.6	4183900.8	12.9	3.49	6.51	3.25
YES		NO						
L0000066	0	0.57900E-06	658678.8	4183889.1	13.0	3.49	6.51	3.25
YES		NO						
L0000067	0	0.57900E-06	658671.0	4183877.5	13.2	3.49	6.51	3.25
YES		NO						
L0000068	0	0.57900E-06	658663.3	4183865.9	13.2	3.49	6.51	3.25
YES		NO						
L0000069	0	0.57900E-06	658655.5	4183854.2	13.1	3.49	6.51	3.25
YES		NO						
L0000070	0	0.57900E-06	658647.7	4183842.6	12.9	3.49	6.51	3.25
YES		NO						
L0000071	0	0.57900E-06	658639.9	4183831.0	12.9	3.49	6.51	3.25
YES		NO						
L0000072	0	0.57900E-06	658632.1	4183819.4	13.0	3.49	6.51	3.25
YES		NO						
L0000073	0	0.57900E-06	658624.1	4183807.9	12.9	3.49	6.51	3.25
YES		NO						
L0000074	0	0.57900E-06	658616.0	4183796.4	12.9	3.49	6.51	3.25
YES		NO						
L0000075	0	0.57900E-06	658608.0	4183784.9	12.9	3.49	6.51	3.25
YES		NO						
L0000076	0	0.57900E-06	658600.0	4183773.5	12.8	3.49	6.51	3.25
YES		NO						
L0000077	0	0.57900E-06	658592.0	4183762.0	12.7	3.49	6.51	3.25
YES		NO						
L0000078	0	0.57900E-06	658584.0	4183750.5	12.8	3.49	6.51	3.25
YES		NO						
L0000079	0	0.57900E-06	658575.9	4183739.0	12.6	3.49	6.51	3.25
YES		NO						
L0000080	0	0.57900E-06	658567.9	4183727.6	12.5	3.49	6.51	3.25
YES		NO						


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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

SOURCE	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	INIT.
SOURCE	URBAN	EMISSION	RATE	AIRCRAFT	ELEV.	HEIGHT	SY	SZ
ID	PART.	(GRAMS/SEC)		X	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	SCALAR	VARY		Y				
	CATS.		BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
L0000081	0	0.57900E-06	658559.7	4183716.2	12.5	3.49	6.51	3.25
YES		NO						
L0000082	0	0.57900E-06	658551.6	4183704.8	12.2	3.49	6.51	3.25
YES		NO						
L0000083	0	0.57900E-06	658543.4	4183693.5	12.2	3.49	6.51	3.25
YES		NO						
L0000084	0	0.57900E-06	658535.2	4183682.1	12.3	3.49	6.51	3.25
YES		NO						
L0000085	0	0.57900E-06	658527.1	4183670.7	12.1	3.49	6.51	3.25
YES		NO						
L0000086	0	0.57900E-06	658518.9	4183659.3	12.1	3.49	6.51	3.25
YES		NO						

L0000087	0	0.57900E-06	658510.7	4183648.0	12.1	3.49	6.51	3.25
YES		NO						
L0000088	0	0.57900E-06	658502.6	4183636.6	12.1	3.49	6.51	3.25
YES		NO						
L0000089	0	0.57900E-06	658494.4	4183625.2	12.4	3.49	6.51	3.25
YES		NO						
L0000090	0	0.57900E-06	658486.3	4183613.8	12.5	3.49	6.51	3.25
YES		NO						
L0000091	0	0.30730E-06	658475.8	4183597.1	12.6	3.49	6.51	3.25
YES		NO						
L0000092	0	0.30730E-06	658468.0	4183585.5	12.8	3.49	6.51	3.25
YES		NO						
L0000093	0	0.30730E-06	658460.1	4183573.9	13.0	3.49	6.51	3.25
YES		NO						
L0000094	0	0.30730E-06	658452.3	4183562.2	13.1	3.49	6.51	3.25
YES		NO						
L0000095	0	0.30730E-06	658444.5	4183550.6	12.9	3.49	6.51	3.25
YES		NO						
L0000096	0	0.30730E-06	658435.6	4183539.9	12.7	3.49	6.51	3.25
YES		NO						
L0000097	0	0.30730E-06	658425.9	4183529.8	12.6	3.49	6.51	3.25
YES		NO						
L0000098	0	0.30730E-06	658416.2	4183519.7	12.6	3.49	6.51	3.25
YES		NO						
L0000099	0	0.30730E-06	658406.4	4183509.7	12.7	3.49	6.51	3.25
YES		NO						
L0000100	0	0.30730E-06	658394.9	4183501.8	12.7	3.49	6.51	3.25
YES		NO						
L0000101	0	0.30730E-06	658383.1	4183494.3	12.7	3.49	6.51	3.25
YES		NO						
L0000102	0	0.30730E-06	658371.3	4183486.8	12.8	3.49	6.51	3.25
YES		NO						
L0000103	0	0.30730E-06	658359.4	4183479.3	12.9	3.49	6.51	3.25
YES		NO						
L0000104	0	0.30730E-06	658347.5	4183472.1	12.9	3.49	6.51	3.25
YES		NO						
L0000105	0	0.30730E-06	658334.4	4183467.1	12.9	3.49	6.51	3.25
YES		NO						
L0000106	0	0.30730E-06	658321.3	4183462.1	12.9	3.49	6.51	3.25
YES		NO						
L0000107	0	0.30730E-06	658308.0	4183457.8	13.0	3.49	6.51	3.25
YES		NO						
L0000108	0	0.30730E-06	658294.4	4183454.5	13.1	3.49	6.51	3.25
YES		NO						
L0000109	0	0.30730E-06	658280.8	4183451.2	13.2	3.49	6.51	3.25
YES		NO						
L0000110	0	0.30730E-06	658267.1	4183449.1	13.2	3.49	6.51	3.25
YES		NO						
L0000111	0	0.30730E-06	658253.1	4183448.7	13.2	3.49	6.51	3.25
YES		NO						
L0000112	0	0.30730E-06	658239.1	4183448.2	13.2	3.49	6.51	3.25
YES		NO						
L0000113	0	0.30730E-06	658225.1	4183447.8	13.2	3.49	6.51	3.25
YES		NO						
L0000114	0	0.30730E-06	658211.1	4183447.4	13.2	3.49	6.51	3.25
YES		NO						
L0000115	0	0.30730E-06	658197.1	4183447.0	13.2	3.49	6.51	3.25
YES		NO						
L0000116	0	0.30730E-06	658183.1	4183446.6	13.2	3.49	6.51	3.25
YES		NO						
L0000117	0	0.30730E-06	658169.1	4183446.2	13.2	3.49	6.51	3.25
YES		NO						
L0000118	0	0.30730E-06	658155.1	4183445.8	13.1	3.49	6.51	3.25
YES		NO						
L0000119	0	0.30730E-06	658141.1	4183445.4	13.1	3.49	6.51	3.25
YES		NO						



L0000143	0	0.30730E-06	657814.6	4183490.6	11.6	3.49	6.51	3.25
YES		NO						
L0000144	0	0.30730E-06	657801.9	4183496.6	11.5	3.49	6.51	3.25
YES		NO						
L0000145	0	0.30730E-06	657789.2	4183502.5	11.5	3.49	6.51	3.25
YES		NO						
L0000146	0	0.30730E-06	657776.5	4183508.5	11.4	3.49	6.51	3.25
YES		NO						
L0000147	0	0.30730E-06	657763.9	4183514.4	11.3	3.49	6.51	3.25
YES		NO						
L0000148	0	0.30730E-06	657751.2	4183520.3	11.2	3.49	6.51	3.25
YES		NO						
L0000149	0	0.30730E-06	657738.5	4183526.3	11.3	3.49	6.51	3.25
YES		NO						
L0000150	0	0.30730E-06	657725.8	4183532.2	11.3	3.49	6.51	3.25
YES		NO						
L0000151	0	0.30730E-06	657713.2	4183538.1	11.3	3.49	6.51	3.25
YES		NO						
L0000152	0	0.30730E-06	657700.5	4183544.1	11.2	3.49	6.51	3.25
YES		NO						
L0000153	0	0.30730E-06	657687.8	4183550.0	11.2	3.49	6.51	3.25
YES		NO						
L0000154	0	0.30730E-06	657675.1	4183556.0	11.4	3.49	6.51	3.25
YES		NO						
L0000155	0	0.30730E-06	657662.6	4183562.2	11.4	3.49	6.51	3.25
YES		NO						
L0000156	0	0.30730E-06	657650.0	4183568.3	11.4	3.49	6.51	3.25
YES		NO						
L0000157	0	0.30730E-06	657637.4	4183574.5	11.4	3.49	6.51	3.25
YES		NO						
L0000158	0	0.30730E-06	657624.8	4183580.6	11.4	3.49	6.51	3.25
YES		NO						
L0000159	0	0.30730E-06	657612.3	4183586.7	11.5	3.49	6.51	3.25
YES		NO						
L0000160	0	0.30730E-06	657599.7	4183592.9	11.6	3.49	6.51	3.25
YES		NO						

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

SOURCE	NUMBER	EMISSION RATE	AIRCRAFT		BASE	RELEASE	INIT.	INIT.
SOURCE	URBAN	EMISSION RATE	X	Y	ELEV.	HEIGHT	SY	SZ
ID	SCALAR VARY	(GRAMS/SEC)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	CATS.	BY						
L0000161	0	0.30730E-06	657587.1	4183599.0	11.5	3.49	6.51	3.25
YES		NO						
L0000162	0	0.30730E-06	657574.5	4183605.2	11.5	3.49	6.51	3.25
YES		NO						
L0000163	0	0.30730E-06	657561.9	4183611.3	11.4	3.49	6.51	3.25
YES		NO						
L0000164	0	0.30730E-06	657549.4	4183617.5	11.5	3.49	6.51	3.25
YES		NO						
L0000165	0	0.30730E-06	657536.8	4183623.6	11.5	3.49	6.51	3.25
YES		NO						



L0000166	0	0.30730E-06	657524.2	4183629.8	11.4	3.49	6.51	3.25
YES		NO						
L0000167	0	0.30730E-06	657511.6	4183635.9	11.3	3.49	6.51	3.25
YES		NO						
L0000168	0	0.30730E-06	657499.0	4183642.1	11.2	3.49	6.51	3.25
YES		NO						
L0000169	0	0.30730E-06	657486.5	4183648.2	11.2	3.49	6.51	3.25
YES		NO						
L0000170	0	0.30730E-06	657473.9	4183654.4	11.1	3.49	6.51	3.25
YES		NO						
L0000171	0	0.30730E-06	657461.3	4183660.5	11.1	3.49	6.51	3.25
YES		NO						
L0000172	0	0.30730E-06	657448.7	4183666.6	11.0	3.49	6.51	3.25
YES		NO						
L0000173	0	0.30730E-06	657436.2	4183672.8	11.0	3.49	6.51	3.25
YES		NO						
L0000174	0	0.30730E-06	657423.6	4183678.9	11.2	3.49	6.51	3.25
YES		NO						
L0000175	0	0.30730E-06	657411.0	4183685.1	11.3	3.49	6.51	3.25
YES		NO						
L0000176	0	0.30730E-06	657398.4	4183691.2	11.3	3.49	6.51	3.25
YES		NO						
L0000177	0	0.30730E-06	657385.8	4183697.4	11.3	3.49	6.51	3.25
YES		NO						
L0000178	0	0.30730E-06	657373.3	4183703.5	11.5	3.49	6.51	3.25
YES		NO						
L0000179	0	0.30730E-06	657360.6	4183709.4	11.5	3.49	6.51	3.25
YES		NO						
L0000180	0	0.30730E-06	657347.8	4183715.1	11.5	3.49	6.51	3.25
YES		NO						
L0000181	0	0.30730E-06	657335.0	4183720.9	11.5	3.49	6.51	3.25
YES		NO						
L0000182	0	0.30730E-06	657322.2	4183726.6	11.5	3.49	6.51	3.25
YES		NO						
L0000183	0	0.30730E-06	657309.5	4183732.5	11.5	3.49	6.51	3.25
YES		NO						
L0000184	0	0.30730E-06	657296.9	4183738.6	11.5	3.49	6.51	3.25
YES		NO						
L0000185	0	0.30730E-06	657283.3	4183741.6	11.4	3.49	6.51	3.25
YES		NO						
L0000186	0	0.30730E-06	657269.6	4183744.6	11.4	3.49	6.51	3.25
YES		NO						
L0000187	0	0.30730E-06	657255.9	4183747.7	11.4	3.49	6.51	3.25
YES		NO						
L0000188	0	0.30730E-06	657242.1	4183749.3	11.4	3.49	6.51	3.25
YES		NO						
L0000189	0	0.30730E-06	657228.1	4183749.3	11.3	3.49	6.51	3.25
YES		NO						
L0000190	0	0.30730E-06	657214.1	4183749.3	11.3	3.49	6.51	3.25
YES		NO						
L0000191	0	0.30730E-06	657200.1	4183749.3	11.3	3.49	6.51	3.25
YES		NO						
L0000192	0	0.30730E-06	657186.1	4183749.3	11.3	3.49	6.51	3.25
YES		NO						
L0000193	0	0.30730E-06	657172.1	4183749.3	11.3	3.49	6.51	3.25
YES		NO						
L0000194	0	0.30730E-06	657158.1	4183749.3	11.3	3.49	6.51	3.25
YES		NO						
L0000195	0	0.30730E-06	657144.1	4183749.3	11.3	3.49	6.51	3.25
YES		NO						
L0000196	0	0.30730E-06	657130.1	4183749.3	11.4	3.49	6.51	3.25
YES		NO						
L0000197	0	0.30730E-06	657116.1	4183749.3	11.4	3.49	6.51	3.25
YES		NO						
L0000198	0	0.30730E-06	657102.1	4183749.3	11.4	3.49	6.51	3.25
YES		NO						

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L0000199      0  0.30730E-06  657089.9  4183747.6   11.4    3.49    6.51    3.25
YES           NO
L0000200      0  0.30730E-06  657090.3  4183733.6   11.4    3.49    6.51    3.25
YES           NO
*** AERMOD - VERSION 23132 ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15639
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*** AERMET - VERSION 21112 ***
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

SOURCE	SCALAR	NUMBER URBAN PART.	EMISSION EMISSION (GRAMS/SEC)	AIRCRAFT		BASE ELEV.	RELEASE HEIGHT	INIT. SY	INIT. SZ
				X	Y				
ID	CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
L0000201	0	0.30730E-06	657090.8	4183719.6	11.3	3.49	6.51	3.25	
YES		NO							
L0000202	0	0.30730E-06	657091.3	4183705.6	11.3	3.49	6.51	3.25	
YES		NO							
L0000203	0	0.30730E-06	657091.8	4183691.6	11.2	3.49	6.51	3.25	
YES		NO							
L0000204	0	0.30730E-06	657092.3	4183677.6	11.2	3.49	6.51	3.25	
YES		NO							
L0000205	0	0.30730E-06	657092.8	4183663.6	11.1	3.49	6.51	3.25	
YES		NO							
L0000206	0	0.30730E-06	657093.3	4183649.6	11.0	3.49	6.51	3.25	
YES		NO							
L0000207	0	0.30730E-06	657093.7	4183635.6	11.0	3.49	6.51	3.25	
YES		NO							
L0000208	0	0.30730E-06	657094.2	4183621.6	11.0	3.49	6.51	3.25	
YES		NO							
L0000209	0	0.30730E-06	657094.7	4183607.6	11.0	3.49	6.51	3.25	
YES		NO							
L0000210	0	0.30730E-06	657095.2	4183593.6	11.0	3.49	6.51	3.25	
YES		NO							
L0000211	0	0.30730E-06	657095.7	4183579.7	11.0	3.49	6.51	3.25	
YES		NO							
L0000212	0	0.30730E-06	657096.2	4183565.7	11.0	3.49	6.51	3.25	
YES		NO							
L0000213	0	0.30730E-06	657096.6	4183551.7	11.1	3.49	6.51	3.25	
YES		NO							
L0000214	0	0.30730E-06	657097.1	4183537.7	11.2	3.49	6.51	3.25	
YES		NO							
L0000215	0	0.30730E-06	657097.6	4183523.7	11.4	3.49	6.51	3.25	
YES		NO							
L0000216	0	0.30730E-06	657098.1	4183509.7	11.6	3.49	6.51	3.25	
YES		NO							
L0000217	0	0.30730E-06	657098.6	4183495.7	11.8	3.49	6.51	3.25	
YES		NO							
L0000218	0	0.30730E-06	657099.1	4183481.7	12.0	3.49	6.51	3.25	
YES		NO							
L0000219	0	0.30730E-06	657099.6	4183467.7	12.0	3.49	6.51	3.25	
YES		NO							
L0000220	0	0.30730E-06	657100.0	4183453.7	12.0	3.49	6.51	3.25	
YES		NO							
L0000221	0	0.30730E-06	657100.5	4183439.7	12.0	3.49	6.51	3.25	
YES		NO							

L0000222	0	0.30730E-06	657101.0	4183425.7	12.2	3.49	6.51	3.25
YES		NO						
L0000223	0	0.30730E-06	657101.5	4183411.8	12.5	3.49	6.51	3.25
YES		NO						
L0000224	0	0.30730E-06	657102.0	4183397.8	12.8	3.49	6.51	3.25
YES		NO						
L0000225	0	0.30730E-06	657102.5	4183383.8	13.1	3.49	6.51	3.25
YES		NO						
L0000226	0	0.30730E-06	657102.9	4183369.8	13.4	3.49	6.51	3.25
YES		NO						
L0000227	0	0.30730E-06	657103.4	4183355.8	13.8	3.49	6.51	3.25
YES		NO						
L0000228	0	0.30730E-06	657103.9	4183341.8	14.0	3.49	6.51	3.25
YES		NO						
L0000229	0	0.30730E-06	657104.4	4183327.8	14.2	3.49	6.51	3.25
YES		NO						
L0000230	0	0.30730E-06	657104.9	4183313.8	14.0	3.49	6.51	3.25
YES		NO						
L0000231	0	0.30730E-06	657105.4	4183299.8	13.3	3.49	6.51	3.25
YES		NO						
L0000232	0	0.30730E-06	657105.8	4183285.8	12.7	3.49	6.51	3.25
YES		NO						
L0000233	0	0.30730E-06	657106.3	4183271.8	12.5	3.49	6.51	3.25
YES		NO						
L0000234	0	0.30730E-06	657106.8	4183257.8	12.3	3.49	6.51	3.25
YES		NO						
L0000235	0	0.30730E-06	657107.3	4183243.9	13.1	3.49	6.51	3.25
YES		NO						
L0000236	0	0.30730E-06	657107.8	4183229.9	13.9	3.49	6.51	3.25
YES		NO						
L0000237	0	0.30730E-06	657108.3	4183215.9	14.0	3.49	6.51	3.25
YES		NO						
L0000238	0	0.30730E-06	657108.8	4183201.9	14.0	3.49	6.51	3.25
YES		NO						
L0000239	0	0.30730E-06	657109.2	4183187.9	13.8	3.49	6.51	3.25
YES		NO						
L0000240	0	0.30730E-06	657109.7	4183173.9	13.6	3.49	6.51	3.25
YES		NO						

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    URBAN    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

SOURCE	SCALAR	NUMBER	EMISSION	RATE	AIRCRAFT		BASE	RELEASE	INIT.	INIT.
					X	Y				
SOURCE	SCALAR	URBAN	EMISSION	RATE	(METERS)	(METERS)	ELEV.	HEIGHT	SY	SZ
ID	CATS.	VARY	(GRAMS/SEC)	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0000241	0	0.30730E-06	657110.2	4183159.9	13.4	3.49	6.51	3.25
YES		NO						
L0000242	0	0.30730E-06	657110.7	4183145.9	13.1	3.49	6.51	3.25
YES		NO						
L0000243	0	0.30730E-06	657111.2	4183131.9	12.8	3.49	6.51	3.25
YES		NO						
L0000244	0	0.30730E-06	657111.7	4183117.9	12.4	3.49	6.51	3.25
YES		NO						

L0000245	0	0.30730E-06	657112.1	4183103.9	12.1	3.49	6.51	3.25
YES		NO						
L0000246	0	0.30730E-06	657112.6	4183089.9	11.9	3.49	6.51	3.25
YES		NO						
L0000247	0	0.30730E-06	657113.1	4183076.0	11.8	3.49	6.51	3.25
YES		NO						
L0000248	0	0.30730E-06	657113.6	4183062.0	11.8	3.49	6.51	3.25
YES		NO						
L0000249	0	0.74930E-07	658467.9	4183601.9	12.6	3.49	6.51	3.25
YES		NO						
L0000250	0	0.74930E-07	658456.6	4183610.2	12.5	3.49	6.51	3.25
YES		NO						
L0000251	0	0.74930E-07	658445.3	4183618.4	12.5	3.49	6.51	3.25
YES		NO						
L0000252	0	0.74930E-07	658434.0	4183626.6	12.4	3.49	6.51	3.25
YES		NO						
L0000253	0	0.74930E-07	658422.6	4183634.9	12.2	3.49	6.51	3.25
YES		NO						
L0000254	0	0.74930E-07	658411.3	4183643.1	12.3	3.49	6.51	3.25
YES		NO						
L0000255	0	0.74930E-07	658400.0	4183651.4	12.4	3.49	6.51	3.25
YES		NO						
L0000256	0	0.74930E-07	658388.7	4183659.6	12.5	3.49	6.51	3.25
YES		NO						
L0000257	0	0.74930E-07	658377.4	4183667.9	12.4	3.49	6.51	3.25
YES		NO						
L0000258	0	0.74930E-07	658366.1	4183676.1	12.7	3.49	6.51	3.25
YES		NO						
L0000259	0	0.74930E-07	658354.7	4183684.3	12.8	3.49	6.51	3.25
YES		NO						
L0000260	0	0.74930E-07	658343.4	4183692.6	12.8	3.49	6.51	3.25
YES		NO						
L0000261	0	0.74930E-07	658332.1	4183700.8	12.8	3.49	6.51	3.25
YES		NO						
L0000262	0	0.74930E-07	658320.8	4183709.1	12.8	3.49	6.51	3.25
YES		NO						
L0000263	0	0.74930E-07	658309.5	4183717.3	12.8	3.49	6.51	3.25
YES		NO						
L0000264	0	0.74930E-07	658298.2	4183725.6	12.7	3.49	6.51	3.25
YES		NO						
L0000265	0	0.74930E-07	658286.9	4183733.8	12.6	3.49	6.51	3.25
YES		NO						
L0000266	0	0.74930E-07	658275.5	4183742.0	12.6	3.49	6.51	3.25
YES		NO						
L0000267	0	0.74930E-07	658264.2	4183750.3	12.5	3.49	6.51	3.25
YES		NO						
L0000268	0	0.74930E-07	658252.9	4183758.5	12.4	3.49	6.51	3.25
YES		NO						
L0000269	0	0.74930E-07	658241.6	4183766.8	12.4	3.49	6.51	3.25
YES		NO						
L0000270	0	0.74930E-07	658230.3	4183775.0	12.3	3.49	6.51	3.25
YES		NO						
L0000271	0	0.74930E-07	658219.0	4183783.3	12.2	3.49	6.51	3.25
YES		NO						
L0000272	0	0.74930E-07	658207.6	4183791.5	12.1	3.49	6.51	3.25
YES		NO						
L0000273	0	0.74930E-07	658196.3	4183799.8	12.1	3.49	6.51	3.25
YES		NO						
L0000274	0	0.74930E-07	658185.0	4183808.0	12.0	3.49	6.51	3.25
YES		NO						
L0000275	0	0.74930E-07	658173.7	4183816.2	11.9	3.49	6.51	3.25
YES		NO						
L0000276	0	0.74930E-07	658162.4	4183824.5	11.8	3.49	6.51	3.25
YES		NO						
L0000277	0	0.74930E-07	658151.1	4183832.7	11.7	3.49	6.51	3.25
YES		NO						

L0000278	0	0.74930E-07	658139.8	4183841.0	11.7	3.49	6.51	3.25
YES		NO						
L0000279	0	0.74930E-07	658128.5	4183849.2	11.6	3.49	6.51	3.25
YES		NO						
L0000280	0	0.74930E-07	658117.1	4183857.5	11.6	3.49	6.51	3.25
YES		NO						

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

SOURCE	SCALAR	NUMBER URBAN PART. VARY CATS.	EMISSION RATE (GRAMS/SEC)	AIRCRAFT		BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ
				X	Y				
ID (METERS)		BY		(METERS)	(METERS)				
L0000281	0	0.74930E-07	658105.8	4183865.7	11.5	3.49	6.51	3.25	
YES		NO							
L0000282	0	0.74930E-07	658094.5	4183874.0	11.5	3.49	6.51	3.25	
YES		NO							
L0000283	0	0.74930E-07	658083.2	4183882.2	11.5	3.49	6.51	3.25	
YES		NO							
L0000284	0	0.74930E-07	658071.9	4183890.5	11.4	3.49	6.51	3.25	
YES		NO							
L0000285	0	0.74930E-07	658060.6	4183898.7	11.4	3.49	6.51	3.25	
YES		NO							
L0000286	0	0.74930E-07	658049.2	4183906.9	11.4	3.49	6.51	3.25	
YES		NO							
L0000287	0	0.74930E-07	658037.9	4183915.1	11.4	3.49	6.51	3.25	
YES		NO							
L0000288	0	0.74930E-07	658026.5	4183923.3	11.4	3.49	6.51	3.25	
YES		NO							
L0000289	0	0.74930E-07	658015.1	4183931.4	11.4	3.49	6.51	3.25	
YES		NO							
L0000290	0	0.74930E-07	658003.8	4183939.6	11.4	3.49	6.51	3.25	
YES		NO							
L0000291	0	0.74930E-07	657992.4	4183947.8	11.4	3.49	6.51	3.25	
YES		NO							
L0000292	0	0.74930E-07	657981.0	4183956.0	11.4	3.49	6.51	3.25	
YES		NO							
L0000293	0	0.74930E-07	657969.7	4183964.1	11.4	3.49	6.51	3.25	
YES		NO							
L0000294	0	0.74930E-07	657958.3	4183972.3	11.4	3.49	6.51	3.25	
YES		NO							
L0000295	0	0.74930E-07	657947.8	4183981.6	11.5	3.49	6.51	3.25	
YES		NO							
L0000296	0	0.74930E-07	657937.4	4183990.9	11.5	3.49	6.51	3.25	
YES		NO							
L0000297	0	0.74930E-07	657926.9	4184000.2	11.5	3.49	6.51	3.25	
YES		NO							
L0000298	0	0.74930E-07	657916.8	4184009.9	11.5	3.49	6.51	3.25	
YES		NO							
L0000299	0	0.74930E-07	657907.8	4184020.6	11.5	3.49	6.51	3.25	
YES		NO							
L0000300	0	0.74930E-07	657898.8	4184031.3	11.5	3.49	6.51	3.25	
YES		NO							

L0000301	0	0.74930E-07	657889.8	4184042.0	11.5	3.49	6.51	3.25
YES		NO						
L0000302	0	0.74930E-07	657880.2	4184052.3	11.5	3.49	6.51	3.25
YES		NO						
L0000303	0	0.74930E-07	657870.7	4184062.5	11.5	3.49	6.51	3.25
YES		NO						
L0000304	0	0.74930E-07	657861.1	4184072.7	11.5	3.49	6.51	3.25
YES		NO						
L0000305	0	0.74930E-07	657850.3	4184081.5	11.5	3.49	6.51	3.25
YES		NO						
L0000306	0	0.74930E-07	657839.2	4184090.0	11.4	3.49	6.51	3.25
YES		NO						
L0000307	0	0.74930E-07	657828.0	4184098.5	11.5	3.49	6.51	3.25
YES		NO						
L0000308	0	0.74930E-07	657816.9	4184107.0	11.5	3.49	6.51	3.25
YES		NO						
L0000309	0	0.74930E-07	657805.7	4184115.3	11.4	3.49	6.51	3.25
YES		NO						
L0000310	0	0.74930E-07	657794.2	4184123.4	11.4	3.49	6.51	3.25
YES		NO						
L0000311	0	0.74930E-07	657782.7	4184131.4	11.5	3.49	6.51	3.25
YES		NO						
L0000312	0	0.74930E-07	657771.2	4184139.4	11.5	3.49	6.51	3.25
YES		NO						
L0000313	0	0.74930E-07	657759.8	4184147.4	11.4	3.49	6.51	3.25
YES		NO						
L0000314	0	0.74930E-07	657748.3	4184155.5	11.5	3.49	6.51	3.25
YES		NO						
L0000315	0	0.74930E-07	657736.8	4184163.5	11.6	3.49	6.51	3.25
YES		NO						
L0000316	0	0.74930E-07	657725.3	4184171.5	11.5	3.49	6.51	3.25
YES		NO						
L0000317	0	0.74930E-07	657713.9	4184179.5	11.5	3.49	6.51	3.25
YES		NO						
L0000318	0	0.74930E-07	657702.4	4184187.6	11.6	3.49	6.51	3.25
YES		NO						
L0000319	0	0.74930E-07	657690.9	4184195.6	11.8	3.49	6.51	3.25
YES		NO						
L0000320	0	0.74930E-07	657679.5	4184203.6	11.8	3.49	6.51	3.25
YES		NO						

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\*\*\* MODELOPTs:      RegDFAULT    CONC    ELEV    URBAN    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

SOURCE	SCALAR	NUMBER	EMISSION	RATE	AIRCRAFT		BASE	RELEASE	INIT.	INIT.
					X	Y				
ID	CATS.	URBAN	EMISSION	RATE	(METERS)	(METERS)	ELEV.	HEIGHT	SY	SZ
(METERS)		VARY	(GRAMS/SEC)	BY			(METERS)	(METERS)	(METERS)	(METERS)

L0000321	0	0.74930E-07	657668.0	4184211.6	11.8	3.49	6.51	3.25
YES		NO						
L0000322	0	0.74930E-07	657656.5	4184219.7	11.8	3.49	6.51	3.25
YES		NO						
L0000323	0	0.74930E-07	657645.0	4184227.7	11.8	3.49	6.51	3.25
YES		NO						

L0000324	0	0.74930E-07	657633.6	4184235.7	11.8	3.49	6.51	3.25
YES		NO						
L0000325	0	0.74930E-07	657622.1	4184243.7	11.8	3.49	6.51	3.25
YES		NO						
L0000326	0	0.74930E-07	657610.6	4184251.8	11.9	3.49	6.51	3.25
YES		NO						
L0000327	0	0.74930E-07	657599.2	4184259.8	11.9	3.49	6.51	3.25
YES		NO						
L0000328	0	0.74930E-07	657587.7	4184267.9	11.9	3.49	6.51	3.25
YES		NO						
L0000329	0	0.74930E-07	657576.3	4184276.0	11.9	3.49	6.51	3.25
YES		NO						
L0000330	0	0.74930E-07	657564.9	4184284.1	11.9	3.49	6.51	3.25
YES		NO						
L0000331	0	0.74930E-07	657553.5	4184292.2	11.9	3.49	6.51	3.25
YES		NO						
L0000332	0	0.74930E-07	657542.1	4184300.3	11.9	3.49	6.51	3.25
YES		NO						
L0000333	0	0.74930E-07	657530.6	4184308.4	11.9	3.49	6.51	3.25
YES		NO						
L0000334	0	0.74930E-07	657519.2	4184316.5	11.9	3.49	6.51	3.25
YES		NO						
L0000335	0	0.74930E-07	657507.8	4184324.6	11.9	3.49	6.51	3.25
YES		NO						
L0000336	0	0.74930E-07	657496.4	4184332.7	11.9	3.49	6.51	3.25
YES		NO						
L0000337	0	0.74930E-07	657485.0	4184340.8	11.9	3.49	6.51	3.25
YES		NO						
L0000338	0	0.74930E-07	657473.6	4184348.9	11.9	3.49	6.51	3.25
YES		NO						
L0000339	0	0.74930E-07	657462.2	4184357.0	11.9	3.49	6.51	3.25
YES		NO						
L0000340	0	0.74930E-07	657450.7	4184365.1	11.9	3.49	6.51	3.25
YES		NO						
L0000341	0	0.74930E-07	657439.3	4184373.2	11.9	3.49	6.51	3.25
YES		NO						
L0000342	0	0.74930E-07	657427.9	4184381.3	11.9	3.49	6.51	3.25
YES		NO						
L0000343	0	0.74930E-07	657416.5	4184389.4	11.9	3.49	6.51	3.25
YES		NO						
L0000344	0	0.74930E-07	657405.1	4184397.5	11.9	3.49	6.51	3.25
YES		NO						
L0000345	0	0.74930E-07	657393.7	4184405.6	11.9	3.49	6.51	3.25
YES		NO						
L0000346	0	0.74930E-07	657382.2	4184413.7	11.8	3.49	6.51	3.25
YES		NO						
L0000347	0	0.74930E-07	657370.8	4184421.9	11.8	3.49	6.51	3.25
YES		NO						
L0000348	0	0.74930E-07	657359.4	4184430.0	11.8	3.49	6.51	3.25
YES		NO						
L0000349	0	0.74930E-07	657348.0	4184438.1	11.8	3.49	6.51	3.25
YES		NO						
L0000350	0	0.74930E-07	657336.6	4184446.2	11.7	3.49	6.51	3.25
YES		NO						
L0000351	0	0.74930E-07	657325.2	4184454.3	11.7	3.49	6.51	3.25
YES		NO						
L0000352	0	0.74930E-07	657313.8	4184462.4	11.7	3.49	6.51	3.25
YES		NO						
L0000353	0	0.74930E-07	657302.5	4184470.7	11.6	3.49	6.51	3.25
YES		NO						
L0000354	0	0.74930E-07	657291.2	4184478.9	11.6	3.49	6.51	3.25
YES		NO						
L0000355	0	0.74930E-07	657279.9	4184487.2	11.6	3.49	6.51	3.25
YES		NO						
L0000356	0	0.74930E-07	657268.6	4184495.5	11.5	3.49	6.51	3.25
YES		NO						

L0000357	0	0.74930E-07	657257.3	4184503.7	11.5	3.49	6.51	3.25
YES		NO						
L0000358	0	0.74930E-07	657246.0	4184512.0	11.4	3.49	6.51	3.25
YES		NO						
L0000359	0	0.74930E-07	657234.7	4184520.2	11.4	3.49	6.51	3.25
YES		NO						
L0000360	0	0.74930E-07	657223.4	4184528.5	11.3	3.49	6.51	3.25
YES		NO						

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    URBAN    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

SOURCE	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	INIT.
			URBAN	AIRCRAFT				
SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY	SZ
SOURCE	SCALAR	VARY						
ID	CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	
(METERS)								
L0000361	0	0.74930E-07	657212.1	4184536.8	11.3	3.49	6.51	3.25
YES		NO						
L0000362	0	0.74930E-07	657200.7	4184545.0	11.2	3.49	6.51	3.25
YES		NO						
L0000363	0	0.74930E-07	657189.4	4184553.3	11.2	3.49	6.51	3.25
YES		NO						
L0000364	0	0.74930E-07	657178.1	4184561.5	11.2	3.49	6.51	3.25
YES		NO						
L0000365	0	0.74930E-07	657166.8	4184569.8	11.2	3.49	6.51	3.25
YES		NO						
L0000366	0	0.74930E-07	657155.5	4184578.1	11.2	3.49	6.51	3.25
YES		NO						
L0000367	0	0.74930E-07	657144.2	4184586.3	11.2	3.49	6.51	3.25
YES		NO						
L0000368	0	0.74930E-07	657132.9	4184594.6	11.2	3.49	6.51	3.25
YES		NO						
L0000369	0	0.74930E-07	657121.6	4184602.8	11.2	3.49	6.51	3.25
YES		NO						
L0000370	0	0.74930E-07	657110.1	4184610.9	11.2	3.49	6.51	3.25
YES		NO						
L0000371	0	0.74930E-07	657098.7	4184618.9	11.1	3.49	6.51	3.25
YES		NO						
L0000372	0	0.74930E-07	657087.2	4184626.9	11.1	3.49	6.51	3.25
YES		NO						
L0000373	0	0.74930E-07	657074.4	4184632.5	11.0	3.49	6.51	3.25
YES		NO						
L0000374	0	0.74930E-07	657061.6	4184638.2	11.0	3.49	6.51	3.25
YES		NO						
L0000375	0	0.19370E-06	658485.0	4183591.0	12.6	3.49	6.51	3.25
YES		NO						
L0000376	0	0.19370E-06	658496.4	4183582.9	12.7	3.49	6.51	3.25
YES		NO						
L0000377	0	0.19370E-06	658507.9	4183574.9	12.8	3.49	6.51	3.25
YES		NO						
L0000378	0	0.19370E-06	658519.3	4183566.8	12.8	3.49	6.51	3.25
YES		NO						
L0000379	0	0.19370E-06	658530.7	4183558.7	12.9	3.49	6.51	3.25
YES		NO						



L0000380	0	0.19370E-06	658542.2	4183550.6	12.9	3.49	6.51	3.25
YES		NO						
L0000381	0	0.19370E-06	658553.6	4183542.5	12.9	3.49	6.51	3.25
YES		NO						
L0000382	0	0.19370E-06	658565.0	4183534.5	13.0	3.49	6.51	3.25
YES		NO						
L0000383	0	0.19370E-06	658576.5	4183526.4	13.0	3.49	6.51	3.25
YES		NO						
L0000384	0	0.19370E-06	658587.9	4183518.3	13.1	3.49	6.51	3.25
YES		NO						
L0000385	0	0.19370E-06	658599.3	4183510.2	13.1	3.49	6.51	3.25
YES		NO						
L0000386	0	0.19370E-06	658610.8	4183502.1	13.2	3.49	6.51	3.25
YES		NO						
L0000387	0	0.19370E-06	658622.2	4183494.0	13.2	3.49	6.51	3.25
YES		NO						
L0000388	0	0.19370E-06	658633.5	4183485.8	13.3	3.49	6.51	3.25
YES		NO						
L0000389	0	0.19370E-06	658644.9	4183477.6	13.4	3.49	6.51	3.25
YES		NO						
L0000390	0	0.19370E-06	658656.2	4183469.5	13.5	3.49	6.51	3.25
YES		NO						
L0000391	0	0.19370E-06	658667.6	4183461.3	13.5	3.49	6.51	3.25
YES		NO						
L0000392	0	0.19370E-06	658679.0	4183453.1	13.5	3.49	6.51	3.25
YES		NO						
L0000393	0	0.19370E-06	658690.3	4183444.9	13.6	3.49	6.51	3.25
YES		NO						
L0000394	0	0.19370E-06	658701.7	4183436.7	13.6	3.49	6.51	3.25
YES		NO						
L0000395	0	0.19370E-06	658713.0	4183428.5	13.6	3.49	6.51	3.25
YES		NO						
L0000396	0	0.19370E-06	658724.4	4183420.4	13.6	3.49	6.51	3.25
YES		NO						
L0000397	0	0.19370E-06	658735.7	4183412.1	13.8	3.49	6.51	3.25
YES		NO						
L0000398	0	0.19370E-06	658746.9	4183403.7	13.7	3.49	6.51	3.25
YES		NO						
L0000399	0	0.19370E-06	658758.1	4183395.3	13.7	3.49	6.51	3.25
YES		NO						
L0000400	0	0.19370E-06	658768.8	4183386.3	13.8	3.49	6.51	3.25
YES		NO						

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\*\*\* MODELOPTs:      RegDEFAULT    CONC    ELEV    URBAN    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

SOURCE	SCALAR	NUMBER	EMISSION	RATE	AIRCRAFT		BASE	RELEASE	INIT.	INIT.
					X	Y				
ID	CATS.	PART.	(GRAMS/SEC)		(METERS)	(METERS)	ELEV.	HEIGHT	SY	SZ
(METERS)	VARY		BY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	
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L0000401	0	0.19370E-06	658779.5	4183377.2	13.7	3.49	6.51	3.25
YES		NO						
L0000402	0	0.19370E-06	658790.1	4183368.1	13.6	3.49	6.51	3.25
YES		NO						

L0000403	0	0.19370E-06	658800.7	4183359.0	13.7	3.49	6.51	3.25
YES		NO						
L0000404	0	0.19370E-06	658811.3	4183349.9	13.8	3.49	6.51	3.25
YES		NO						
L0000405	0	0.19370E-06	658822.3	4183341.1	13.7	3.49	6.51	3.25
YES		NO						
L0000406	0	0.19370E-06	658833.3	4183332.6	13.8	3.49	6.51	3.25
YES		NO						
L0000407	0	0.19370E-06	658844.4	4183324.0	13.9	3.49	6.51	3.25
YES		NO						
L0000408	0	0.19370E-06	658855.5	4183315.4	14.0	3.49	6.51	3.25
YES		NO						
L0000409	0	0.19370E-06	658866.6	4183306.9	14.0	3.49	6.51	3.25
YES		NO						
L0000410	0	0.19370E-06	658877.6	4183298.3	14.0	3.49	6.51	3.25
YES		NO						
L0000411	0	0.19370E-06	658888.7	4183289.7	14.5	3.49	6.51	3.25
YES		NO						
L0000412	0	0.19370E-06	658899.8	4183281.2	15.2	3.49	6.51	3.25
YES		NO						
L0000413	0	0.19370E-06	658910.9	4183272.6	15.2	3.49	6.51	3.25
YES		NO						
L0000414	0	0.19370E-06	658922.0	4183264.1	15.2	3.49	6.51	3.25
YES		NO						
L0000415	0	0.19370E-06	658933.0	4183255.5	15.5	3.49	6.51	3.25
YES		NO						
L0000416	0	0.19370E-06	658944.1	4183246.9	15.4	3.49	6.51	3.25
YES		NO						
L0000417	0	0.19370E-06	658955.2	4183238.4	14.8	3.49	6.51	3.25
YES		NO						
L0000418	0	0.19370E-06	658966.3	4183229.8	14.1	3.49	6.51	3.25
YES		NO						
L0000419	0	0.19370E-06	658977.6	4183221.5	14.1	3.49	6.51	3.25
YES		NO						
L0000420	0	0.19370E-06	658989.0	4183213.5	14.1	3.49	6.51	3.25
YES		NO						
L0000421	0	0.19370E-06	659000.5	4183205.5	14.1	3.49	6.51	3.25
YES		NO						
L0000422	0	0.19370E-06	659012.0	4183197.4	14.1	3.49	6.51	3.25
YES		NO						
L0000423	0	0.19370E-06	659023.4	4183189.4	14.1	3.49	6.51	3.25
YES		NO						
L0000424	0	0.19370E-06	659034.9	4183181.4	14.2	3.49	6.51	3.25
YES		NO						
L0000425	0	0.19370E-06	659046.4	4183173.3	14.2	3.49	6.51	3.25
YES		NO						
L0000426	0	0.19370E-06	659057.8	4183165.3	14.1	3.49	6.51	3.25
YES		NO						
L0000427	0	0.19370E-06	659069.3	4183157.3	14.2	3.49	6.51	3.25
YES		NO						
L0000428	0	0.19370E-06	659080.7	4183149.2	14.2	3.49	6.51	3.25
YES		NO						
L0000429	0	0.19370E-06	659092.2	4183141.2	14.2	3.49	6.51	3.25
YES		NO						
L0000430	0	0.19370E-06	659103.7	4183133.2	14.2	3.49	6.51	3.25
YES		NO						
L0000431	0	0.19370E-06	659115.1	4183125.1	14.2	3.49	6.51	3.25
YES		NO						
L0000432	0	0.19370E-06	659126.6	4183117.1	14.3	3.49	6.51	3.25
YES		NO						
L0000433	0	0.19370E-06	659138.1	4183109.1	14.3	3.49	6.51	3.25
YES		NO						
L0000434	0	0.19370E-06	659149.5	4183101.0	14.3	3.49	6.51	3.25
YES		NO						
L0000435	0	0.19370E-06	659161.0	4183093.0	14.3	3.49	6.51	3.25
YES		NO						

L0000436	0	0.19370E-06	659172.5	4183085.0	14.3	3.49	6.51	3.25
YES		NO						
L0000437	0	0.19370E-06	659183.9	4183076.9	14.4	3.49	6.51	3.25
YES		NO						
L0000438	0	0.19370E-06	659195.4	4183068.9	14.4	3.49	6.51	3.25
YES		NO						
L0000439	0	0.19370E-06	659206.9	4183060.9	14.4	3.49	6.51	3.25
YES		NO						
L0000440	0	0.19370E-06	659218.3	4183052.8	14.4	3.49	6.51	3.25
YES		NO						

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\*\*\* MODELOPTs:      RegDFault    CONC    ELEV    URBAN    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

SOURCE	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	INIT.
SOURCE	URBAN	EMISSION	AIRCRAFT		ELEV.	HEIGHT	SY	SZ
ID	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	SCALAR	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
	CATS.		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
L0000441	0	0.19370E-06	659229.8	4183044.8	14.4	3.49	6.51	3.25
YES		NO						
L0000442	0	0.19370E-06	659241.2	4183036.7	14.4	3.49	6.51	3.25
YES		NO						
L0000443	0	0.19370E-06	659252.6	4183028.6	14.4	3.49	6.51	3.25
YES		NO						
L0000444	0	0.19370E-06	659264.0	4183020.4	14.5	3.49	6.51	3.25
YES		NO						
L0000445	0	0.19370E-06	659275.4	4183012.3	14.5	3.49	6.51	3.25
YES		NO						
L0000446	0	0.19370E-06	659286.8	4183004.2	14.5	3.49	6.51	3.25
YES		NO						
L0000447	0	0.19370E-06	659298.2	4182996.1	14.6	3.49	6.51	3.25
YES		NO						
L0000448	0	0.19370E-06	659309.6	4182987.9	14.6	3.49	6.51	3.25
YES		NO						
L0000449	0	0.19370E-06	659321.0	4182979.8	14.5	3.49	6.51	3.25
YES		NO						
L0000450	0	0.19370E-06	659332.4	4182971.7	14.6	3.49	6.51	3.25
YES		NO						
L0000451	0	0.19370E-06	659343.8	4182963.5	14.7	3.49	6.51	3.25
YES		NO						
L0000452	0	0.19370E-06	659355.2	4182955.4	14.7	3.49	6.51	3.25
YES		NO						
L0000453	0	0.19370E-06	659366.6	4182947.3	14.8	3.49	6.51	3.25
YES		NO						
L0000454	0	0.19370E-06	659378.0	4182939.2	14.9	3.49	6.51	3.25
YES		NO						
L0000455	0	0.19370E-06	659389.4	4182931.0	15.1	3.49	6.51	3.25
YES		NO						
L0000456	0	0.19370E-06	659400.8	4182922.9	15.1	3.49	6.51	3.25
YES		NO						
L0000457	0	0.19370E-06	659412.2	4182914.8	15.1	3.49	6.51	3.25
YES		NO						
L0000458	0	0.19370E-06	659423.6	4182906.7	15.2	3.49	6.51	3.25
YES		NO						

L0000459	0	0.19370E-06	659435.0	4182898.5	15.4	3.49	6.51	3.25
YES		NO						
L0000460	0	0.19370E-06	659446.4	4182890.4	15.4	3.49	6.51	3.25
YES		NO						
L0000461	0	0.19370E-06	659457.8	4182882.3	15.5	3.49	6.51	3.25
YES		NO						
L0000462	0	0.19370E-06	659469.2	4182874.1	15.7	3.49	6.51	3.25
YES		NO						
L0000463	0	0.19370E-06	659480.6	4182866.0	15.6	3.49	6.51	3.25
YES		NO						
L0000464	0	0.19370E-06	659492.0	4182857.9	15.5	3.49	6.51	3.25
YES		NO						
L0000465	0	0.19370E-06	659503.4	4182849.8	15.6	3.49	6.51	3.25
YES		NO						
L0000466	0	0.19370E-06	659514.8	4182841.6	15.5	3.49	6.51	3.25
YES		NO						
L0000467	0	0.19370E-06	659526.2	4182833.5	15.3	3.49	6.51	3.25
YES		NO						
L0000468	0	0.19370E-06	659537.6	4182825.4	14.9	3.49	6.51	3.25
YES		NO						
L0000469	0	0.19370E-06	659549.0	4182817.3	14.8	3.49	6.51	3.25
YES		NO						
L0000470	0	0.19370E-06	659560.4	4182809.1	14.7	3.49	6.51	3.25
YES		NO						
L0000471	0	0.19370E-06	659571.8	4182801.0	14.6	3.49	6.51	3.25
YES		NO						
L0000472	0	0.19370E-06	659583.2	4182792.9	14.6	3.49	6.51	3.25
YES		NO						
L0000473	0	0.19370E-06	659594.6	4182784.7	14.7	3.49	6.51	3.25
YES		NO						
L0000474	0	0.19370E-06	659606.0	4182776.6	14.7	3.49	6.51	3.25
YES		NO						
L0000475	0	0.19370E-06	659617.4	4182768.5	14.6	3.49	6.51	3.25
YES		NO						
L0000476	0	0.19370E-06	659628.8	4182760.4	14.6	3.49	6.51	3.25
YES		NO						
L0000477	0	0.19370E-06	659640.2	4182752.2	14.3	3.49	6.51	3.25
YES		NO						
L0000478	0	0.19370E-06	659651.6	4182744.1	14.1	3.49	6.51	3.25
YES		NO						
L0000479	0	0.19370E-06	659663.0	4182736.0	14.1	3.49	6.51	3.25
YES		NO						
L0000480	0	0.19370E-06	659674.4	4182727.8	14.1	3.49	6.51	3.25
YES		NO						

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\*\*\* MODELOPTs:      RegDFault    CONC    ELEV    URBAN    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

SOURCE	SCALAR	NUMBER PART. VARY	EMISSION RATE (GRAMS/SEC)	EMISSION RATE		BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ
				URBAN	AIRCRAFT				
ID (METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	
L0000481		0	0.19370E-06	659685.8	4182719.7	14.1	3.49	6.51	3.25
YES			NO						

L0000482	0	0.19370E-06	659697.2	4182711.6	14.0	3.49	6.51	3.25
YES		NO						
L0000483	0	0.19370E-06	659708.6	4182703.5	14.0	3.49	6.51	3.25
YES		NO						
L0000484	0	0.19370E-06	659720.0	4182695.3	14.0	3.49	6.51	3.25
YES		NO						
L0000485	0	0.19370E-06	659731.4	4182687.2	14.0	3.49	6.51	3.25
YES		NO						
L0000486	0	0.19370E-06	659742.8	4182679.1	13.9	3.49	6.51	3.25
YES		NO						
L0000487	0	0.19370E-06	659754.2	4182671.0	13.9	3.49	6.51	3.25
YES		NO						
L0000488	0	0.19370E-06	659765.6	4182662.8	13.9	3.49	6.51	3.25
YES		NO						
L0000489	0	0.19370E-06	659777.0	4182654.7	13.9	3.49	6.51	3.25
YES		NO						
L0000490	0	0.19370E-06	659788.4	4182646.6	13.9	3.49	6.51	3.25
YES		NO						
L0000491	0	0.19370E-06	659799.8	4182638.4	13.9	3.49	6.51	3.25
YES		NO						
L0000492	0	0.19370E-06	659811.2	4182630.3	14.0	3.49	6.51	3.25
YES		NO						
L0000493	0	0.19370E-06	659822.6	4182622.2	13.9	3.49	6.51	3.25
YES		NO						
L0000494	0	0.19370E-06	659834.0	4182614.1	13.9	3.49	6.51	3.25
YES		NO						
L0000495	0	0.19370E-06	659845.4	4182605.9	13.9	3.49	6.51	3.25
YES		NO						
L0000496	0	0.19370E-06	659856.8	4182597.8	13.9	3.49	6.51	3.25
YES		NO						
L0000497	0	0.19370E-06	659868.2	4182589.7	13.9	3.49	6.51	3.25
YES		NO						
L0000498	0	0.19370E-06	659879.6	4182581.5	13.9	3.49	6.51	3.25
YES		NO						
L0000499	0	0.19370E-06	659891.0	4182573.4	13.9	3.49	6.51	3.25
YES		NO						
L0000500	0	0.19370E-06	659902.4	4182565.3	13.9	3.49	6.51	3.25
YES		NO						
L0000501	0	0.19370E-06	659913.8	4182557.2	13.9	3.49	6.51	3.25
YES		NO						
L0000502	0	0.19370E-06	659925.2	4182549.0	13.9	3.49	6.51	3.25
YES		NO						
L0000503	0	0.19370E-06	659936.6	4182540.9	13.9	3.49	6.51	3.25
YES		NO						
L0000504	0	0.19370E-06	659948.0	4182532.8	13.9	3.49	6.51	3.25
YES		NO						
L0000505	0	0.19370E-06	659959.4	4182524.7	13.9	3.49	6.51	3.25
YES		NO						
L0000506	0	0.19370E-06	659970.8	4182516.5	14.0	3.49	6.51	3.25
YES		NO						
L0000507	0	0.19370E-06	659982.2	4182508.4	14.1	3.49	6.51	3.25
YES		NO						
L0000508	0	0.19370E-06	659993.6	4182500.3	14.2	3.49	6.51	3.25
YES		NO						
L0000509	0	0.19370E-06	660005.0	4182492.1	14.2	3.49	6.51	3.25
YES		NO						
L0000510	0	0.19370E-06	660016.4	4182484.0	14.2	3.49	6.51	3.25
YES		NO						
L0000511	0	0.19370E-06	660027.8	4182475.9	14.1	3.49	6.51	3.25
YES		NO						
L0000512	0	0.19370E-06	660039.2	4182467.8	14.1	3.49	6.51	3.25
YES		NO						
L0000513	0	0.19370E-06	660050.6	4182459.6	14.1	3.49	6.51	3.25
YES		NO						
L0000514	0	0.19370E-06	660062.0	4182451.5	14.1	3.49	6.51	3.25
YES		NO						

L0000515	0	0.19370E-06	660073.4	4182443.4	14.2	3.49	6.51	3.25
YES		NO						
L0000516	0	0.19370E-06	660084.8	4182435.3	14.2	3.49	6.51	3.25
YES		NO						
L0000517	0	0.19370E-06	660096.2	4182427.1	14.2	3.49	6.51	3.25
YES		NO						
L0000518	0	0.19370E-06	660107.6	4182419.0	14.2	3.49	6.51	3.25
YES		NO						
L0000519	0	0.19370E-06	660119.0	4182410.9	14.3	3.49	6.51	3.25
YES		NO						
L0000520	0	0.19370E-06	660130.4	4182402.7	14.3	3.49	6.51	3.25
YES		NO						

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*** AERMET - VERSION 21112 ***
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

SOURCE	NUMBER	EMISSION	RATE	AIRCRAFT		BASE	RELEASE	INIT.	INIT.
SOURCE	URBAN	EMISSION	RATE	X	Y	ELEV.	HEIGHT	SY	SZ
ID	SCALAR	(GRAMS/SEC)	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	
(METERS)	CATS.								
L0000521	0	0.19370E-06	660141.8	4182394.6	14.3	3.49	6.51	3.25	
YES		NO							
L0000522	0	0.19370E-06	660153.1	4182386.5	14.3	3.49	6.51	3.25	
YES		NO							
L0000523	0	0.19370E-06	660164.5	4182378.4	14.3	3.49	6.51	3.25	
YES		NO							
L0000524	0	0.19370E-06	660175.9	4182370.2	14.3	3.49	6.51	3.25	
YES		NO							
L0000525	0	0.19370E-06	660187.3	4182362.1	14.2	3.49	6.51	3.25	
YES		NO							
L0000526	0	0.19370E-06	660198.7	4182354.0	14.2	3.49	6.51	3.25	
YES		NO							
L0000527	0	0.19370E-06	660210.1	4182345.8	14.1	3.49	6.51	3.25	
YES		NO							
L0000528	0	0.19370E-06	660221.5	4182337.7	14.2	3.49	6.51	3.25	
YES		NO							
L0000529	0	0.19370E-06	660232.9	4182329.6	14.3	3.49	6.51	3.25	
YES		NO							
L0000530	0	0.19370E-06	660244.3	4182321.5	14.3	3.49	6.51	3.25	
YES		NO							
L0000531	0	0.19370E-06	660255.7	4182313.3	14.2	3.49	6.51	3.25	
YES		NO							
L0000532	0	0.19370E-06	660267.1	4182305.2	14.1	3.49	6.51	3.25	
YES		NO							
L0000533	0	0.19370E-06	660278.5	4182297.1	14.1	3.49	6.51	3.25	
YES		NO							
L0000534	0	0.19370E-06	660289.9	4182289.0	14.0	3.49	6.51	3.25	
YES		NO							
L0000535	0	0.19370E-06	660301.3	4182280.8	14.1	3.49	6.51	3.25	
YES		NO							
L0000536	0	0.19370E-06	660312.7	4182272.7	14.4	3.49	6.51	3.25	
YES		NO							
L0000537	0	0.19370E-06	660324.1	4182264.6	14.4	3.49	6.51	3.25	
YES		NO							

L0000538	0	0.19370E-06	660335.5	4182256.4	15.0	3.49	6.51	3.25
YES		NO						
L0000539	0	0.19370E-06	660346.9	4182248.3	15.5	3.49	6.51	3.25
YES		NO						
L0000540	0	0.19370E-06	660349.6	4182256.6	15.7	3.49	6.51	3.25
YES		NO						
L0000541	0	0.19370E-06	660349.3	4182270.6	15.8	3.49	6.51	3.25
YES		NO						
L0000542	0	0.19370E-06	660348.9	4182284.6	15.9	3.49	6.51	3.25
YES		NO						
L0000543	0	0.19370E-06	660348.6	4182298.6	16.1	3.49	6.51	3.25
YES		NO						
L0000544	0	0.19370E-06	660348.2	4182312.6	16.0	3.49	6.51	3.25
YES		NO						
L0000545	0	0.19370E-06	660347.9	4182326.6	15.7	3.49	6.51	3.25
YES		NO						
L0000546	0	0.19370E-06	660347.6	4182340.6	15.3	3.49	6.51	3.25
YES		NO						
L0000547	0	0.19370E-06	660347.2	4182354.6	15.0	3.49	6.51	3.25
YES		NO						
L0000548	0	0.19370E-06	660346.9	4182368.6	14.7	3.49	6.51	3.25
YES		NO						
L0000549	0	0.19370E-06	660346.5	4182382.6	15.2	3.49	6.51	3.25
YES		NO						
L0000550	0	0.19370E-06	660346.2	4182396.6	15.7	3.49	6.51	3.25
YES		NO						
L0000551	0	0.19370E-06	660345.9	4182410.6	16.2	3.49	6.51	3.25
YES		NO						
L0000552	0	0.19370E-06	660345.5	4182424.6	16.8	3.49	6.51	3.25
YES		NO						
L0000553	0	0.19370E-06	660345.2	4182438.6	16.6	3.49	6.51	3.25
YES		NO						
L0000554	0	0.19370E-06	660344.8	4182452.6	16.2	3.49	6.51	3.25
YES		NO						
L0000555	0	0.19370E-06	660344.5	4182466.6	16.0	3.49	6.51	3.25
YES		NO						
L0000556	0	0.19370E-06	660344.2	4182480.6	15.8	3.49	6.51	3.25
YES		NO						
L0000557	0	0.19370E-06	660343.8	4182494.6	15.7	3.49	6.51	3.25
YES		NO						
L0000558	0	0.19370E-06	660343.5	4182508.6	15.5	3.49	6.51	3.25
YES		NO						
L0000559	0	0.19370E-06	660343.1	4182522.6	15.3	3.49	6.51	3.25
YES		NO						
L0000560	0	0.19370E-06	660342.8	4182536.6	14.9	3.49	6.51	3.25
YES		NO						

**HR** \*\*\* AERMOD - VERSION 23132 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\15639  
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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    URBAN    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

SOURCE	SCALAR VARY	NUMBER	EMISSION RATE	AIRCRAFT		BASE	RELEASE	INIT.	INIT.
				X	Y				
ID	CATS.		(GRAMS/SEC)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
			BY						

L0000561	0	0.19370E-06	660342.5	4182550.6	14.5	3.49	6.51	3.25
YES		NO						
L0000562	0	0.19370E-06	660342.1	4182564.6	14.4	3.49	6.51	3.25
YES		NO						
L0000563	0	0.19370E-06	660341.8	4182578.6	14.3	3.49	6.51	3.25
YES		NO						
L0000564	0	0.19370E-06	660341.4	4182592.5	14.3	3.49	6.51	3.25
YES		NO						
L0000565	0	0.19370E-06	660341.1	4182606.5	14.3	3.49	6.51	3.25
YES		NO						
L0000566	0	0.19370E-06	660340.8	4182620.5	14.3	3.49	6.51	3.25
YES		NO						
L0000567	0	0.19370E-06	660340.4	4182634.5	14.4	3.49	6.51	3.25
YES		NO						
L0000568	0	0.19370E-06	660340.1	4182648.5	14.5	3.49	6.51	3.25
YES		NO						
L0000569	0	0.19370E-06	660339.7	4182662.5	14.6	3.49	6.51	3.25
YES		NO						
L0000570	0	0.23450E-06	658771.8	4184232.5	13.0	3.49	6.51	3.25
YES		NO						
L0000571	0	0.23450E-06	658770.3	4184246.4	12.9	3.49	6.51	3.25
YES		NO						
L0000572	0	0.23450E-06	658768.7	4184260.3	12.9	3.49	6.51	3.25
YES		NO						
L0000573	0	0.23450E-06	658765.0	4184273.9	12.9	3.49	6.51	3.25
YES		NO						
L0000574	0	0.23450E-06	658761.4	4184287.4	13.0	3.49	6.51	3.25
YES		NO						
L0000575	0	0.23450E-06	658757.7	4184300.9	13.0	3.49	6.51	3.25
YES		NO						
L0000576	0	0.23450E-06	658754.1	4184314.4	13.1	3.49	6.51	3.25
YES		NO						
L0000577	0	0.23450E-06	658748.7	4184327.3	13.0	3.49	6.51	3.25
YES		NO						
L0000578	0	0.23450E-06	658743.0	4184340.1	12.9	3.49	6.51	3.25
YES		NO						
L0000579	0	0.23450E-06	658737.4	4184352.9	12.9	3.49	6.51	3.25
YES		NO						
L0000580	0	0.23450E-06	658731.7	4184365.7	12.9	3.49	6.51	3.25
YES		NO						
L0000581	0	0.23450E-06	658726.0	4184378.5	12.9	3.49	6.51	3.25
YES		NO						
L0000582	0	0.23450E-06	658720.4	4184391.3	12.8	3.49	6.51	3.25
YES		NO						
L0000583	0	0.23450E-06	658714.6	4184404.0	12.7	3.49	6.51	3.25
YES		NO						
L0000584	0	0.23450E-06	658708.4	4184416.6	12.7	3.49	6.51	3.25
YES		NO						
L0000585	0	0.23450E-06	658702.2	4184429.2	12.7	3.49	6.51	3.25
YES		NO						
L0000586	0	0.23450E-06	658696.1	4184441.7	12.8	3.49	6.51	3.25
YES		NO						
L0000587	0	0.23450E-06	658689.9	4184454.3	12.7	3.49	6.51	3.25
YES		NO						
L0000588	0	0.23450E-06	658685.6	4184467.6	12.8	3.49	6.51	3.25
YES		NO						
L0000589	0	0.23450E-06	658681.4	4184481.0	12.8	3.49	6.51	3.25
YES		NO						
L0000590	0	0.23450E-06	658677.2	4184494.4	12.9	3.49	6.51	3.25
YES		NO						
L0000591	0	0.23450E-06	658673.1	4184507.7	12.8	3.49	6.51	3.25
YES		NO						
L0000592	0	0.23450E-06	658669.7	4184521.3	12.7	3.49	6.51	3.25
YES		NO						
L0000593	0	0.23450E-06	658666.8	4184535.0	12.6	3.49	6.51	3.25
YES		NO						



L0000594	0	0.23450E-06	658663.8	4184548.7	12.5	3.49	6.51	3.25
YES		NO						
L0000595	0	0.23450E-06	658660.8	4184562.3	12.4	3.49	6.51	3.25
YES		NO						
L0000596	0	0.23450E-06	658659.3	4184576.3	12.5	3.49	6.51	3.25
YES		NO						
L0000597	0	0.23450E-06	658658.0	4184590.2	12.5	3.49	6.51	3.25
YES		NO						
L0000598	0	0.23450E-06	658657.1	4184604.2	12.5	3.49	6.51	3.25
YES		NO						
L0000599	0	0.23450E-06	658656.2	4184618.1	12.5	3.49	6.51	3.25
YES		NO						
L0000600	0	0.23450E-06	658655.4	4184632.1	12.4	3.49	6.51	3.25
YES		NO						

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

SOURCE	NUMBER	EMISSION	RATE	AIRCRAFT		BASE	RELEASE	INIT.	INIT.
				X	Y				
SOURCE	URBAN	EMISSION	RATE			ELEV.	HEIGHT	SY	SZ
ID	SCALAR	(GRAMS/SEC)		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	
(METERS)	CATS.	BY							
L0000601	0	0.23450E-06	658654.5	4184646.1		12.4	3.49	6.51	3.25
YES		NO							
L0000602	0	0.23450E-06	658653.6	4184660.1		12.4	3.49	6.51	3.25
YES		NO							
L0000603	0	0.23450E-06	658652.8	4184674.0		12.3	3.49	6.51	3.25
YES		NO							
L0000604	0	0.23450E-06	658651.9	4184688.0		12.3	3.49	6.51	3.25
YES		NO							
L0000605	0	0.23450E-06	658651.1	4184702.0		12.3	3.49	6.51	3.25
YES		NO							
L0000606	0	0.23450E-06	658650.2	4184715.9		12.4	3.49	6.51	3.25
YES		NO							
L0000607	0	0.23450E-06	658649.2	4184729.9		12.4	3.49	6.51	3.25
YES		NO							
L0000608	0	0.23450E-06	658648.2	4184743.9		12.5	3.49	6.51	3.25
YES		NO							
L0000609	0	0.23450E-06	658647.2	4184757.8		12.6	3.49	6.51	3.25
YES		NO							
L0000610	0	0.23450E-06	658646.1	4184771.8		12.7	3.49	6.51	3.25
YES		NO							
L0000611	0	0.23450E-06	658645.1	4184785.8		12.7	3.49	6.51	3.25
YES		NO							
L0000612	0	0.23450E-06	658644.1	4184799.7		12.7	3.49	6.51	3.25
YES		NO							
L0000613	0	0.23450E-06	658643.0	4184813.7		12.8	3.49	6.51	3.25
YES		NO							
L0000614	0	0.23450E-06	658642.0	4184827.7		13.0	3.49	6.51	3.25
YES		NO							
L0000615	0	0.23450E-06	658641.0	4184841.6		13.0	3.49	6.51	3.25
YES		NO							
L0000616	0	0.23450E-06	658640.0	4184855.6		13.1	3.49	6.51	3.25
YES		NO							

L0000617	0	0.27440E-07	658632.6	4184871.9	13.1	3.49	6.51	3.25
YES		NO						
L0000618	0	0.27440E-07	658618.6	4184871.5	13.1	3.49	6.51	3.25
YES		NO						
L0000619	0	0.27440E-07	658604.6	4184871.1	13.0	3.49	6.51	3.25
YES		NO						
L0000620	0	0.27440E-07	658590.6	4184870.7	12.8	3.49	6.51	3.25
YES		NO						
L0000621	0	0.27440E-07	658576.6	4184870.3	12.7	3.49	6.51	3.25
YES		NO						
L0000622	0	0.27440E-07	658562.6	4184869.9	12.6	3.49	6.51	3.25
YES		NO						
L0000623	0	0.27440E-07	658548.6	4184869.5	12.5	3.49	6.51	3.25
YES		NO						
L0000624	0	0.27440E-07	658534.6	4184869.1	12.4	3.49	6.51	3.25
YES		NO						
L0000625	0	0.27440E-07	658520.6	4184868.7	12.3	3.49	6.51	3.25
YES		NO						
L0000626	0	0.27440E-07	658506.6	4184868.3	12.3	3.49	6.51	3.25
YES		NO						
L0000627	0	0.27440E-07	658492.6	4184867.9	12.2	3.49	6.51	3.25
YES		NO						
L0000628	0	0.27440E-07	658478.6	4184867.5	12.2	3.49	6.51	3.25
YES		NO						
L0000629	0	0.27440E-07	658464.6	4184867.1	12.1	3.49	6.51	3.25
YES		NO						
L0000630	0	0.27440E-07	658450.7	4184866.7	12.1	3.49	6.51	3.25
YES		NO						
L0000631	0	0.27440E-07	658436.7	4184866.3	12.1	3.49	6.51	3.25
YES		NO						
L0000632	0	0.27440E-07	658422.7	4184865.9	12.1	3.49	6.51	3.25
YES		NO						
L0000633	0	0.27440E-07	658408.7	4184865.5	12.1	3.49	6.51	3.25
YES		NO						
L0000634	0	0.27440E-07	658394.7	4184865.1	12.1	3.49	6.51	3.25
YES		NO						
L0000635	0	0.27440E-07	658380.7	4184864.7	12.1	3.49	6.51	3.25
YES		NO						
L0000636	0	0.27440E-07	658366.7	4184864.3	12.1	3.49	6.51	3.25
YES		NO						
L0000637	0	0.27440E-07	658352.7	4184863.8	12.1	3.49	6.51	3.25
YES		NO						
L0000638	0	0.27440E-07	658338.7	4184863.4	12.1	3.49	6.51	3.25
YES		NO						
L0000639	0	0.27440E-07	658324.7	4184863.0	12.1	3.49	6.51	3.25
YES		NO						
L0000640	0	0.27440E-07	658310.7	4184862.6	12.0	3.49	6.51	3.25
YES		NO						

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*** AERMOD - VERSION 23132 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15639
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*** AERMET - VERSION 21112 ***
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

SOURCE	NUMBER	EMISSION RATE	AIRCRAFT		BASE	RELEASE	INIT.	INIT.
SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY	SZ
ID	CATS.		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		BY						

L0000641	0	0.27440E-07	658296.7	4184862.2	12.0	3.49	6.51	3.25
YES		NO						
L0000642	0	0.27440E-07	658282.7	4184861.8	12.0	3.49	6.51	3.25
YES		NO						
L0000643	0	0.27440E-07	658268.7	4184861.4	12.0	3.49	6.51	3.25
YES		NO						
L0000644	0	0.27440E-07	658254.7	4184861.0	12.1	3.49	6.51	3.25
YES		NO						
L0000645	0	0.27440E-07	658240.7	4184860.6	12.2	3.49	6.51	3.25
YES		NO						
L0000646	0	0.27440E-07	658226.7	4184860.2	12.2	3.49	6.51	3.25
YES		NO						
L0000647	0	0.27440E-07	658212.8	4184859.8	12.2	3.49	6.51	3.25
YES		NO						
L0000648	0	0.27440E-07	658198.8	4184859.5	12.2	3.49	6.51	3.25
YES		NO						
L0000649	0	0.27440E-07	658184.8	4184859.1	12.2	3.49	6.51	3.25
YES		NO						
L0000650	0	0.27440E-07	658170.8	4184858.8	12.1	3.49	6.51	3.25
YES		NO						
L0000651	0	0.27440E-07	658156.8	4184858.5	12.1	3.49	6.51	3.25
YES		NO						
L0000652	0	0.27440E-07	658142.8	4184858.1	12.0	3.49	6.51	3.25
YES		NO						
L0000653	0	0.27440E-07	658128.8	4184857.8	11.9	3.49	6.51	3.25
YES		NO						
L0000654	0	0.27440E-07	658114.8	4184857.5	11.9	3.49	6.51	3.25
YES		NO						
L0000655	0	0.27440E-07	658100.8	4184857.2	11.8	3.49	6.51	3.25
YES		NO						
L0000656	0	0.27440E-07	658086.8	4184856.9	11.9	3.49	6.51	3.25
YES		NO						
L0000657	0	0.27440E-07	658072.8	4184856.7	11.9	3.49	6.51	3.25
YES		NO						
L0000658	0	0.27440E-07	658058.8	4184856.4	11.9	3.49	6.51	3.25
YES		NO						
L0000659	0	0.27440E-07	658044.8	4184856.1	12.0	3.49	6.51	3.25
YES		NO						
L0000660	0	0.27440E-07	658030.8	4184855.9	12.1	3.49	6.51	3.25
YES		NO						
L0000661	0	0.27440E-07	658016.8	4184855.6	12.1	3.49	6.51	3.25
YES		NO						
L0000662	0	0.27440E-07	658002.8	4184855.3	12.1	3.49	6.51	3.25
YES		NO						
L0000663	0	0.27440E-07	657988.8	4184855.1	12.1	3.49	6.51	3.25
YES		NO						
L0000664	0	0.27440E-07	657974.8	4184854.8	12.1	3.49	6.51	3.25
YES		NO						
L0000665	0	0.27440E-07	657960.8	4184854.5	12.2	3.49	6.51	3.25
YES		NO						
L0000666	0	0.27440E-07	657946.8	4184854.3	12.2	3.49	6.51	3.25
YES		NO						
L0000667	0	0.27440E-07	657932.8	4184854.0	12.1	3.49	6.51	3.25
YES		NO						
L0000668	0	0.27440E-07	657918.8	4184853.8	12.1	3.49	6.51	3.25
YES		NO						
L0000669	0	0.27440E-07	657904.8	4184853.5	12.1	3.49	6.51	3.25
YES		NO						
L0000670	0	0.27440E-07	657890.8	4184853.2	12.0	3.49	6.51	3.25
YES		NO						
L0000671	0	0.27440E-07	657876.8	4184853.0	12.0	3.49	6.51	3.25
YES		NO						
L0000672	0	0.27440E-07	657862.8	4184852.7	11.9	3.49	6.51	3.25
YES		NO						

L0000673	0	0.27440E-07	657848.8	4184852.4	11.9	3.49	6.51	3.25
YES		NO						
L0000674	0	0.27440E-07	657834.8	4184852.2	11.9	3.49	6.51	3.25
YES		NO						
L0000675	0	0.27440E-07	657820.8	4184851.9	11.8	3.49	6.51	3.25
YES		NO						
L0000676	0	0.27440E-07	657806.8	4184851.6	11.8	3.49	6.51	3.25
YES		NO						
L0000677	0	0.27440E-07	657792.8	4184851.4	11.7	3.49	6.51	3.25
YES		NO						
L0000678	0	0.27440E-07	657778.8	4184851.1	11.6	3.49	6.51	3.25
YES		NO						
L0000679	0	0.27440E-07	657764.8	4184850.9	11.6	3.49	6.51	3.25
YES		NO						
L0000680	0	0.27440E-07	657750.8	4184850.6	11.6	3.49	6.51	3.25
YES		NO						

\*\*\* AERMOD - VERSION 23132 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\15639  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

SOURCE	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	INIT.
			URBAN	EMISSION				
SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY	SZ
ID	SCALAR	VARY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	
(METERS)	CATS.	BY						
L0000681	0	0.27440E-07	657736.8	4184850.3	11.7	3.49	6.51	3.25
YES		NO						
L0000682	0	0.27440E-07	657722.8	4184850.1	11.8	3.49	6.51	3.25
YES		NO						
L0000683	0	0.27440E-07	657708.9	4184849.8	11.9	3.49	6.51	3.25
YES		NO						
L0000684	0	0.27440E-07	657694.9	4184849.5	12.0	3.49	6.51	3.25
YES		NO						
L0000685	0	0.27440E-07	657680.9	4184849.3	12.1	3.49	6.51	3.25
YES		NO						
L0000686	0	0.27440E-07	657666.9	4184849.0	12.3	3.49	6.51	3.25
YES		NO						
L0000687	0	0.27440E-07	657652.9	4184848.7	12.4	3.49	6.51	3.25
YES		NO						
L0000688	0	0.27440E-07	657638.9	4184848.5	12.5	3.49	6.51	3.25
YES		NO						
L0000689	0	0.27440E-07	657624.9	4184848.2	12.6	3.49	6.51	3.25
YES		NO						
L0000690	0	0.27440E-07	657610.9	4184848.0	12.7	3.49	6.51	3.25
YES		NO						
L0000691	0	0.27440E-07	657596.9	4184847.7	12.7	3.49	6.51	3.25
YES		NO						
L0000692	0	0.27440E-07	657582.9	4184847.4	12.7	3.49	6.51	3.25
YES		NO						
L0000693	0	0.27440E-07	657568.9	4184847.2	12.6	3.49	6.51	3.25
YES		NO						
L0000694	0	0.27440E-07	657554.9	4184846.9	12.5	3.49	6.51	3.25
YES		NO						
L0000695	0	0.27440E-07	657540.9	4184846.6	12.5	3.49	6.51	3.25
YES		NO						

L0000696	0	0.27440E-07	657526.9	4184846.4	12.4	3.49	6.51	3.25
YES		NO						
L0000697	0	0.27440E-07	657512.9	4184846.1	12.4	3.49	6.51	3.25
YES		NO						
L0000698	0	0.27440E-07	657498.9	4184845.8	12.3	3.49	6.51	3.25
YES		NO						
L0000699	0	0.27440E-07	657484.9	4184845.6	12.3	3.49	6.51	3.25
YES		NO						
L0000700	0	0.27440E-07	657470.9	4184845.3	12.2	3.49	6.51	3.25
YES		NO						
L0000701	0	0.27440E-07	657456.9	4184845.0	12.2	3.49	6.51	3.25
YES		NO						
L0000702	0	0.27440E-07	657442.9	4184844.8	12.2	3.49	6.51	3.25
YES		NO						
L0000703	0	0.27440E-07	657428.9	4184844.5	12.2	3.49	6.51	3.25
YES		NO						
L0000704	0	0.27440E-07	657414.9	4184844.1	12.2	3.49	6.51	3.25
YES		NO						
L0000705	0	0.27440E-07	657400.9	4184843.8	12.2	3.49	6.51	3.25
YES		NO						
L0000706	0	0.27440E-07	657386.9	4184843.5	12.2	3.49	6.51	3.25
YES		NO						
L0000707	0	0.27440E-07	657372.9	4184843.2	12.1	3.49	6.51	3.25
YES		NO						
L0000708	0	0.27440E-07	657358.9	4184842.9	12.0	3.49	6.51	3.25
YES		NO						
L0000709	0	0.27440E-07	657344.9	4184842.5	12.0	3.49	6.51	3.25
YES		NO						
L0000710	0	0.27440E-07	657330.9	4184842.2	11.9	3.49	6.51	3.25
YES		NO						
L0000711	0	0.27440E-07	657316.9	4184841.9	11.9	3.49	6.51	3.25
YES		NO						
L0000712	0	0.27440E-07	657302.9	4184841.6	11.9	3.49	6.51	3.25
YES		NO						
L0000713	0	0.27440E-07	657288.9	4184841.2	11.9	3.49	6.51	3.25
YES		NO						
L0000714	0	0.27440E-07	657274.9	4184840.9	11.9	3.49	6.51	3.25
YES		NO						
L0000715	0	0.27440E-07	657260.9	4184840.6	11.9	3.49	6.51	3.25
YES		NO						
L0000716	0	0.27440E-07	657247.0	4184840.3	11.9	3.49	6.51	3.25
YES		NO						
L0000717	0	0.27440E-07	657233.0	4184839.9	11.9	3.49	6.51	3.25
YES		NO						
L0000718	0	0.27440E-07	657219.0	4184839.6	11.8	3.49	6.51	3.25
YES		NO						
L0000719	0	0.27440E-07	657205.0	4184839.3	11.8	3.49	6.51	3.25
YES		NO						
L0000720	0	0.27440E-07	657191.0	4184839.0	11.8	3.49	6.51	3.25
YES		NO						

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\*\*\* MODELOPTs:    RegDFAULT   CONC   ELEV   URBAN   ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

SOURCE	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	INIT.
SOURCE	URBAN	EMISSION	RATE	AIRCRAFT	ELEV.	HEIGHT	SY	SZ
ID	PART.	(GRAMS/SEC)		X	(METERS)	(METERS)	(METERS)	(METERS)
	SCALAR VARY							
	CATS.			(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

(METERS)		BY						
L0000721	0	0.27440E-07	657177.0	4184838.6	11.8	3.49	6.51	3.25
YES		NO						
L0000722	0	0.27440E-07	657163.0	4184838.3	11.8	3.49	6.51	3.25
YES		NO						
L0000723	0	0.27440E-07	657149.0	4184838.0	11.8	3.49	6.51	3.25
YES		NO						
L0000724	0	0.27440E-07	657135.0	4184837.7	11.7	3.49	6.51	3.25
YES		NO						
L0000725	0	0.27440E-07	657121.0	4184837.4	11.7	3.49	6.51	3.25
YES		NO						
L0000726	0	0.27440E-07	657107.0	4184837.0	11.7	3.49	6.51	3.25
YES		NO						
L0000727	0	0.27440E-07	657093.0	4184836.5	11.7	3.49	6.51	3.25
YES		NO						
L0000728	0	0.27440E-07	657079.0	4184836.0	11.7	3.49	6.51	3.25
YES		NO						
L0000729	0	0.27440E-07	657065.0	4184835.6	11.6	3.49	6.51	3.25
YES		NO						
L0000730	0	0.27440E-07	657051.0	4184835.1	11.6	3.49	6.51	3.25
YES		NO						
L0000731	0	0.27440E-07	657037.0	4184834.6	11.6	3.49	6.51	3.25
YES		NO						
L0000732	0	0.19700E-06	658651.1	4184872.3	13.1	3.49	6.51	3.25
YES		NO						
L0000733	0	0.19700E-06	658665.1	4184872.6	13.1	3.49	6.51	3.25
YES		NO						
L0000734	0	0.19700E-06	658679.1	4184872.9	13.1	3.49	6.51	3.25
YES		NO						
L0000735	0	0.19700E-06	658693.1	4184873.1	13.1	3.49	6.51	3.25
YES		NO						
L0000736	0	0.19700E-06	658707.1	4184873.4	13.1	3.49	6.51	3.25
YES		NO						
L0000737	0	0.19700E-06	658721.1	4184873.7	13.1	3.49	6.51	3.25
YES		NO						
L0000738	0	0.19700E-06	658735.1	4184874.0	13.1	3.49	6.51	3.25
YES		NO						
L0000739	0	0.19700E-06	658749.1	4184874.3	13.1	3.49	6.51	3.25
YES		NO						
L0000740	0	0.19700E-06	658763.1	4184874.6	13.1	3.49	6.51	3.25
YES		NO						
L0000741	0	0.19700E-06	658777.1	4184874.9	13.1	3.49	6.51	3.25
YES		NO						
L0000742	0	0.19700E-06	658791.1	4184875.2	13.0	3.49	6.51	3.25
YES		NO						
L0000743	0	0.19700E-06	658805.1	4184875.5	12.9	3.49	6.51	3.25
YES		NO						
L0000744	0	0.19700E-06	658819.1	4184875.8	12.8	3.49	6.51	3.25
YES		NO						
L0000745	0	0.19700E-06	658833.1	4184876.1	12.8	3.49	6.51	3.25
YES		NO						
L0000746	0	0.19700E-06	658847.1	4184876.3	12.8	3.49	6.51	3.25
YES		NO						
L0000747	0	0.19700E-06	658861.1	4184876.6	12.8	3.49	6.51	3.25
YES		NO						
L0000748	0	0.19700E-06	658875.1	4184876.9	12.8	3.49	6.51	3.25
YES		NO						
L0000749	0	0.19700E-06	658889.1	4184877.2	12.9	3.49	6.51	3.25
YES		NO						
L0000750	0	0.19700E-06	658903.1	4184877.5	13.0	3.49	6.51	3.25
YES		NO						
L0000751	0	0.19700E-06	658917.1	4184877.8	13.0	3.49	6.51	3.25
YES		NO						

L0000752	0	0.19700E-06	658931.1	4184878.1	13.1	3.49	6.51	3.25
YES		NO						
L0000753	0	0.19700E-06	658945.1	4184878.4	13.1	3.49	6.51	3.25
YES		NO						
L0000754	0	0.19700E-06	658959.1	4184878.7	13.1	3.49	6.51	3.25
YES		NO						
L0000755	0	0.19700E-06	658973.1	4184879.0	13.1	3.49	6.51	3.25
YES		NO						
L0000756	0	0.19700E-06	658987.1	4184879.3	13.1	3.49	6.51	3.25
YES		NO						
L0000757	0	0.19700E-06	659001.1	4184879.6	13.2	3.49	6.51	3.25
YES		NO						
L0000758	0	0.19700E-06	659015.0	4184879.8	13.1	3.49	6.51	3.25
YES		NO						
L0000759	0	0.19700E-06	659029.0	4184880.1	13.1	3.49	6.51	3.25
YES		NO						
L0000760	0	0.19700E-06	659043.0	4184880.4	13.1	3.49	6.51	3.25
YES		NO						

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\*\*\* MODELOPTs:      RegDFAULT    CONC    ELEV    URBAN    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

SOURCE	NUMBER	EMISSION	RATE	AIRCRAFT		BASE	RELEASE	INIT.	INIT.
				X	Y				
SOURCE	URBAN	EMISSION	RATE			ELEV.	HEIGHT	SY	SZ
ID	SCALAR	(GRAMS/SEC)		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	
(METERS)	VARY	BY							
	CATS.								
L0000761	0	0.19700E-06	659057.0	4184880.7	13.1	3.49	6.51	3.25	
YES		NO							
L0000762	0	0.19700E-06	659071.0	4184881.5	13.2	3.49	6.51	3.25	
YES		NO							
L0000763	0	0.19700E-06	659085.0	4184882.3	13.2	3.49	6.51	3.25	
YES		NO							
L0000764	0	0.19700E-06	659099.0	4184883.1	13.3	3.49	6.51	3.25	
YES		NO							
L0000765	0	0.19700E-06	659113.0	4184883.9	13.3	3.49	6.51	3.25	
YES		NO							
L0000766	0	0.19700E-06	659126.9	4184884.6	13.4	3.49	6.51	3.25	
YES		NO							
L0000767	0	0.19700E-06	659140.9	4184885.4	13.4	3.49	6.51	3.25	
YES		NO							
L0000768	0	0.19700E-06	659154.9	4184886.2	13.5	3.49	6.51	3.25	
YES		NO							
L0000769	0	0.19700E-06	659168.9	4184887.0	13.5	3.49	6.51	3.25	
YES		NO							
L0000770	0	0.19700E-06	659182.8	4184887.8	13.4	3.49	6.51	3.25	
YES		NO							
L0000771	0	0.19700E-06	659196.8	4184888.5	13.3	3.49	6.51	3.25	
YES		NO							
L0000772	0	0.19700E-06	659210.8	4184889.3	13.6	3.49	6.51	3.25	
YES		NO							
L0000773	0	0.19700E-06	659224.8	4184890.1	14.0	3.49	6.51	3.25	
YES		NO							
L0000774	0	0.19700E-06	659238.8	4184890.9	14.6	3.49	6.51	3.25	
YES		NO							

L0000775	0	0.19700E-06	659252.7	4184891.3	14.7	3.49	6.51	3.25
YES		NO						
L0000776	0	0.19700E-06	659266.7	4184891.8	14.4	3.49	6.51	3.25
YES		NO						
L0000777	0	0.19700E-06	659280.7	4184892.3	13.9	3.49	6.51	3.25
YES		NO						
L0000778	0	0.19700E-06	659294.7	4184892.7	13.3	3.49	6.51	3.25
YES		NO						
L0000779	0	0.19700E-06	659308.7	4184893.2	13.5	3.49	6.51	3.25
YES		NO						
L0000780	0	0.19700E-06	659322.7	4184893.6	13.5	3.49	6.51	3.25
YES		NO						
L0000781	0	0.62610E-08	658638.6	4184883.8	13.1	3.49	4.00	3.25
YES		NO						
L0000782	0	0.62610E-08	658638.0	4184892.4	13.1	3.49	4.00	3.25
YES		NO						
L0000783	0	0.62610E-08	658637.4	4184900.9	13.1	3.49	4.00	3.25
YES		NO						
L0000784	0	0.62610E-08	658636.7	4184909.5	13.0	3.49	4.00	3.25
YES		NO						
L0000785	0	0.62610E-08	658636.1	4184918.1	13.0	3.49	4.00	3.25
YES		NO						
L0000786	0	0.62610E-08	658635.5	4184926.6	13.0	3.49	4.00	3.25
YES		NO						
L0000787	0	0.62610E-08	658634.9	4184935.2	12.9	3.49	4.00	3.25
YES		NO						
L0000788	0	0.62610E-08	658634.2	4184943.8	12.8	3.49	4.00	3.25
YES		NO						
L0000789	0	0.62610E-08	658633.6	4184952.3	12.8	3.49	4.00	3.25
YES		NO						
L0000790	0	0.62610E-08	658633.0	4184960.9	12.7	3.49	4.00	3.25
YES		NO						
L0000791	0	0.62610E-08	658632.4	4184969.5	12.7	3.49	4.00	3.25
YES		NO						
L0000792	0	0.62610E-08	658631.7	4184978.0	12.6	3.49	4.00	3.25
YES		NO						
L0000793	0	0.62610E-08	658631.1	4184986.6	12.6	3.49	4.00	3.25
YES		NO						
L0000794	0	0.62610E-08	658630.5	4184995.2	12.6	3.49	4.00	3.25
YES		NO						
L0000795	0	0.62610E-08	658629.8	4185003.7	12.7	3.49	4.00	3.25
YES		NO						
L0000796	0	0.62610E-08	658629.2	4185012.3	12.7	3.49	4.00	3.25
YES		NO						
L0000797	0	0.62610E-08	658628.6	4185020.9	12.7	3.49	4.00	3.25
YES		NO						
L0000798	0	0.62610E-08	658628.0	4185029.4	12.7	3.49	4.00	3.25
YES		NO						
L0000799	0	0.62610E-08	658627.3	4185038.0	12.7	3.49	4.00	3.25
YES		NO						
L0000800	0	0.62610E-08	658626.7	4185046.6	12.8	3.49	4.00	3.25
YES		NO						

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    URBAN    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

NUMBER	EMISSION RATE		BASE	RELEASE	INIT.	INIT.		
URBAN	EMISSION RATE	AIRCRAFT						
SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY	SZ



SOURCE ID (METERS)	SCALAR VARY CATS.		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
		BY						
L0000801	0	0.62610E-08	658626.1	4185055.1	12.7	3.49	4.00	3.25
YES		NO						
L0000802	0	0.62610E-08	658625.4	4185063.7	12.7	3.49	4.00	3.25
YES		NO						
L0000803	0	0.62610E-08	658624.9	4185072.3	12.7	3.49	4.00	3.25
YES		NO						
L0000804	0	0.62610E-08	658624.3	4185080.9	12.7	3.49	4.00	3.25
YES		NO						
L0000805	0	0.62610E-08	658623.7	4185089.4	12.7	3.49	4.00	3.25
YES		NO						
L0000806	0	0.62610E-08	658623.1	4185098.0	12.8	3.49	4.00	3.25
YES		NO						
L0000807	0	0.62610E-08	658622.5	4185106.6	12.8	3.49	4.00	3.25
YES		NO						
L0000808	0	0.62610E-08	658621.9	4185115.1	12.8	3.49	4.00	3.25
YES		NO						
L0000809	0	0.62610E-08	658621.3	4185123.7	12.8	3.49	4.00	3.25
YES		NO						
L0000810	0	0.62610E-08	658620.7	4185132.3	12.8	3.49	4.00	3.25
YES		NO						
L0000811	0	0.62610E-08	658620.1	4185140.8	12.9	3.49	4.00	3.25
YES		NO						
L0000812	0	0.62610E-08	658619.5	4185149.4	12.9	3.49	4.00	3.25
YES		NO						
L0000813	0	0.62610E-08	658618.9	4185158.0	12.9	3.49	4.00	3.25
YES		NO						
L0000814	0	0.62610E-08	658618.4	4185166.6	12.9	3.49	4.00	3.25
YES		NO						
L0000815	0	0.62610E-08	658617.9	4185175.1	13.0	3.49	4.00	3.25
YES		NO						
L0000816	0	0.62610E-08	658617.4	4185183.7	13.0	3.49	4.00	3.25
YES		NO						
L0000817	0	0.62610E-08	658616.9	4185192.3	13.0	3.49	4.00	3.25
YES		NO						
L0000818	0	0.62610E-08	658616.5	4185200.9	13.0	3.49	4.00	3.25
YES		NO						
L0000819	0	0.62610E-08	658616.0	4185209.4	13.0	3.49	4.00	3.25
YES		NO						
L0000820	0	0.62610E-08	658615.5	4185218.0	13.1	3.49	4.00	3.25
YES		NO						
L0000821	0	0.62610E-08	658615.0	4185226.6	13.1	3.49	4.00	3.25
YES		NO						
L0000822	0	0.62610E-08	658614.6	4185235.2	13.1	3.49	4.00	3.25
YES		NO						
L0000823	0	0.62610E-08	658614.1	4185243.7	13.1	3.49	4.00	3.25
YES		NO						
L0000824	0	0.62610E-08	658613.6	4185252.3	13.1	3.49	4.00	3.25
YES		NO						
L0000825	0	0.62610E-08	658613.1	4185260.9	13.1	3.49	4.00	3.25
YES		NO						
L0000826	0	0.62610E-08	658612.6	4185269.5	13.1	3.49	4.00	3.25
YES		NO						

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\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID

SOURCE IDs

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ALL	IDLE1	,	IDLE2	,	IDLE3	,	IDLE4	,	IDLE5	,	IDLE6	,
IDLE7	, IDLE8	,		,		,		,		,		,
	IDLE9	,	IDLE10	,	IDLE11	,	IDLE12	,	IDLE13	,	IDLE14	,
	IDLE15	,	IDLE16	,		,		,		,		,
	IDLE17	,	IDLE18	,	IDLE19	,	IDLE20	,	IDLE21	,	IDLE22	,
	IDLE23	,	IDLE24	,		,		,		,		,
	IDLE25	,	IDLE26	,	IDLE27	,	IDLE28	,	IDLE29	,	IDLE30	,
	IDLE31	,	IDLE32	,		,		,		,		,
	IDLE33	,	IDLE34	,	IDLE35	,	IDLE36	,	IDLE37	,	IDLE38	,
	IDLE39	,	IDLE40	,		,		,		,		,
	IDLE41	,	IDLE42	,	IDLE43	,	IDLE44	,	IDLE45	,	IDLE46	,
	TRU1	,	TRU2	,		,		,		,		,
	TRU3	,	TRU4	,	TRU5	,	TRU6	,	TRU7	,	TRU8	,
	TRU9	,	TRU10	,		,		,		,		,
	TRU11	,	TRU12	,	TRU13	,	TRU14	,	TRU15	,	TRU16	,
	TRU17	,	TRU18	,		,		,		,		,
	TRU19	,	TRU20	,	TRU21	,	TRU22	,	TRU23	,	TRU24	,
	TRU25	,	TRU26	,		,		,		,		,
	TRU27	,	TRU28	,	TRU29	,	TRU30	,	TRU31	,	TRU32	,
	TRU33	,	TRU34	,		,		,		,		,
	TRU35	,	TRU36	,	TRU37	,	TRU38	,	TRU39	,	TRU40	,
	TRU41	,	TRU42	,		,		,		,		,
	TRU43	,	TRU44	,	TRU45	,	TRU46	,	TTP1	,	TTP2	,
	TTP3	,	TTP4	,		,		,		,		,
	TTP5	,	TTP6	,	TTP7	,	TTP8	,	TTP9	,	TTP10	,
	TTP11	,	TTP12	,		,		,		,		,
	TTP13	,	TTP14	,	TTP15	,	TTP16	,	TTP17	,	TTP18	,
	TTP19	,	TTP20	,		,		,		,		,
	TTP21	,	TTP22	,	TTP23	,	TTP24	,	TTP25	,	TTP26	,
	TTP27	,	TTP28	,		,		,		,		,
	TTP29	,	TTP30	,	TTP31	,	TTP32	,	TTP33	,	TTP34	,
	TTP35	,	TTP36	,		,		,		,		,
	TTP37	,	TTP38	,	TTP39	,	TTP40	,	TTP41	,	TTP42	,
	TTP43	,	TTP44	,		,		,		,		,
	TTP45	,	TTP46	,	TTP47	,	TTP48	,	TTP49	,	TTP50	,
	TTP51	,	TTP52	,		,		,		,		,
	TTP53	,	TTP54	,	TTP55	,	TTP56	,	TTP57	,	TTP58	,
	TTP59	,	TTP60	,		,		,		,		,
	TTP61	,	TTP62	,	TTP63	,	TTP64	,	TTP65	,	TTP66	,
	TTP67	,	TTP68	,		,		,		,		,



L0000120 , L0000121 , L0000122 , L0000123 , L0000124 , L0000125 ,  
 L0000126 , L0000127 ,  
 L0000128 , L0000129 , L0000130 , L0000131 , L0000132 , L0000133 ,  
 L0000134 , L0000135 ,  
 L0000136 , L0000137 , L0000138 , L0000139 , L0000140 , L0000141 ,  
 L0000142 , L0000143 ,

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID	SOURCE IDs					
-----	-----					
L0000144	L0000145	L0000146	L0000147	L0000148	L0000149	
L0000150	L0000151					
L0000152	L0000153	L0000154	L0000155	L0000156	L0000157	
L0000158	L0000159					
L0000160	L0000161	L0000162	L0000163	L0000164	L0000165	
L0000166	L0000167					
L0000168	L0000169	L0000170	L0000171	L0000172	L0000173	
L0000174	L0000175					
L0000176	L0000177	L0000178	L0000179	L0000180	L0000181	
L0000182	L0000183					
L0000184	L0000185	L0000186	L0000187	L0000188	L0000189	
L0000190	L0000191					
L0000192	L0000193	L0000194	L0000195	L0000196	L0000197	
L0000198	L0000199					
L0000200	L0000201	L0000202	L0000203	L0000204	L0000205	
L0000206	L0000207					
L0000208	L0000209	L0000210	L0000211	L0000212	L0000213	
L0000214	L0000215					
L0000216	L0000217	L0000218	L0000219	L0000220	L0000221	
L0000222	L0000223					
L0000224	L0000225	L0000226	L0000227	L0000228	L0000229	
L0000230	L0000231					
L0000232	L0000233	L0000234	L0000235	L0000236	L0000237	
L0000238	L0000239					
L0000240	L0000241	L0000242	L0000243	L0000244	L0000245	
L0000246	L0000247					
L0000248	L0000249	L0000250	L0000251	L0000252	L0000253	
L0000254	L0000255					
L0000256	L0000257	L0000258	L0000259	L0000260	L0000261	

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L0000262 , L0000263 ,
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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*** SOURCE IDs DEFINING SOURCE GROUPS ***

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SRCGROUP ID
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SOURCE IDs
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L0000304 , L0000305 , L0000306 , L0000307 , L0000308 , L0000309 ,
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L0000400 , L0000401 , L0000402 , L0000403 , L0000404 , L0000405 ,
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L0000432 , L0000433 , L0000434 , L0000435 , L0000436 , L0000437 ,
L0000438 , L0000439 ,

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L0000454 , L0000455 ,

L0000456 , L0000457 , L0000458 , L0000459 , L0000460 , L0000461 ,
L0000462 , L0000463 ,

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID  
-----

SOURCE IDs  
-----

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L0000464 , L0000465 , L0000466 , L0000467 , L0000468 , L0000469 ,
L0000470 , L0000471 ,

L0000472 , L0000473 , L0000474 , L0000475 , L0000476 , L0000477 ,
L0000478 , L0000479 ,

L0000480 , L0000481 , L0000482 , L0000483 , L0000484 , L0000485 ,
L0000486 , L0000487 ,

L0000488 , L0000489 , L0000490 , L0000491 , L0000492 , L0000493 ,
L0000494 , L0000495 ,

L0000496 , L0000497 , L0000498 , L0000499 , L0000500 , L0000501 ,
L0000502 , L0000503 ,

L0000504 , L0000505 , L0000506 , L0000507 , L0000508 , L0000509 ,
L0000510 , L0000511 ,

L0000512 , L0000513 , L0000514 , L0000515 , L0000516 , L0000517 ,
L0000518 , L0000519 ,

L0000520 , L0000521 , L0000522 , L0000523 , L0000524 , L0000525 ,
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L0000528 , L0000529 , L0000530 , L0000531 , L0000532 , L0000533 ,
L0000534 , L0000535 ,

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L0000536 , L0000537 , L0000538 , L0000539 , L0000540 , L0000541 ,
L0000542 , L0000543 ,

L0000544 , L0000545 , L0000546 , L0000547 , L0000548 , L0000549 ,
L0000550 , L0000551 ,

L0000552 , L0000553 , L0000554 , L0000555 , L0000556 , L0000557 ,
L0000558 , L0000559 ,

L0000560 , L0000561 , L0000562 , L0000563 , L0000564 , L0000565 ,
L0000566 , L0000567 ,

L0000568 , L0000569 , L0000570 , L0000571 , L0000572 , L0000573 ,
L0000574 , L0000575 ,

L0000576 , L0000577 , L0000578 , L0000579 , L0000580 , L0000581 ,
L0000582 , L0000583 ,

L0000584 , L0000585 , L0000586 , L0000587 , L0000588 , L0000589 ,
L0000590 , L0000591 ,

L0000592 , L0000593 , L0000594 , L0000595 , L0000596 , L0000597 ,
L0000598 , L0000599 ,

L0000600 , L0000601 , L0000602 , L0000603 , L0000604 , L0000605 ,
L0000606 , L0000607 ,

L0000608 , L0000609 , L0000610 , L0000611 , L0000612 , L0000613 ,
L0000614 , L0000615 ,

L0000616 , L0000617 , L0000618 , L0000619 , L0000620 , L0000621 ,
L0000622 , L0000623 ,

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID  
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SOURCE IDs  
-----

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L0000624 , L0000625 , L0000626 , L0000627 , L0000628 , L0000629 ,
L0000630 , L0000631 ,

L0000632 , L0000633 , L0000634 , L0000635 , L0000636 , L0000637 ,
L0000638 , L0000639 ,

L0000640 , L0000641 , L0000642 , L0000643 , L0000644 , L0000645 ,
L0000646 , L0000647 ,

L0000648 , L0000649 , L0000650 , L0000651 , L0000652 , L0000653 ,
L0000654 , L0000655 ,

L0000656 , L0000657 , L0000658 , L0000659 , L0000660 , L0000661 ,
L0000662 , L0000663 ,

L0000664 , L0000665 , L0000666 , L0000667 , L0000668 , L0000669 ,
L0000670 , L0000671 ,

L0000672 , L0000673 , L0000674 , L0000675 , L0000676 , L0000677 ,

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L0000678 , L0000679 ,
L0000680 , L0000681 , L0000682 , L0000683 , L0000684 , L0000685 ,
L0000686 , L0000687 ,
L0000688 , L0000689 , L0000690 , L0000691 , L0000692 , L0000693 ,
L0000694 , L0000695 ,
L0000696 , L0000697 , L0000698 , L0000699 , L0000700 , L0000701 ,
L0000702 , L0000703 ,
L0000704 , L0000705 , L0000706 , L0000707 , L0000708 , L0000709 ,
L0000710 , L0000711 ,
L0000712 , L0000713 , L0000714 , L0000715 , L0000716 , L0000717 ,
L0000718 , L0000719 ,
L0000720 , L0000721 , L0000722 , L0000723 , L0000724 , L0000725 ,
L0000726 , L0000727 ,
L0000728 , L0000729 , L0000730 , L0000731 , L0000732 , L0000733 ,
L0000734 , L0000735 ,
L0000736 , L0000737 , L0000738 , L0000739 , L0000740 , L0000741 ,
L0000742 , L0000743 ,
L0000744 , L0000745 , L0000746 , L0000747 , L0000748 , L0000749 ,
L0000750 , L0000751 ,
L0000752 , L0000753 , L0000754 , L0000755 , L0000756 , L0000757 ,
L0000758 , L0000759 ,
L0000760 , L0000761 , L0000762 , L0000763 , L0000764 , L0000765 ,
L0000766 , L0000767 ,
L0000768 , L0000769 , L0000770 , L0000771 , L0000772 , L0000773 ,
L0000774 , L0000775 ,
L0000776 , L0000777 , L0000778 , L0000779 , L0000780 , L0000781 ,
L0000782 , L0000783 ,

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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*** SOURCE IDs DEFINING SOURCE GROUPS ***

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SRCGROUP ID
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SOURCE IDs
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L0000784 , L0000785 , L0000786 , L0000787 , L0000788 , L0000789 ,
L0000790 , L0000791 ,
L0000792 , L0000793 , L0000794 , L0000795 , L0000796 , L0000797 ,
L0000798 , L0000799 ,
L0000800 , L0000801 , L0000802 , L0000803 , L0000804 , L0000805 ,
L0000806 , L0000807 ,
L0000808 , L0000809 , L0000810 , L0000811 , L0000812 , L0000813 ,
L0000814 , L0000815 ,

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L0000816 , L0000817 , L0000818 , L0000819 , L0000820 , L0000821 ,  
L0000822 , L0000823 ,

L0000824 , L0000825 , L0000826 ,

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* SOURCE IDs DEFINED AS URBAN SOURCES \*\*\*

URBAN ID	URBAN POP	SOURCE IDs					
-----	-----	-----	-----	-----	-----	-----	-----
	62651.	IDLE1	, IDLE2	, IDLE3	, IDLE4	, IDLE5	,
	IDLE6	, IDLE7	,				
IDLE8	,						
	IDLE9	, IDLE10	, IDLE11	, IDLE12	, IDLE13	, IDLE14	,
	IDLE15	, IDLE16	,				
	IDLE17	, IDLE18	, IDLE19	, IDLE20	, IDLE21	, IDLE22	,
	IDLE23	, IDLE24	,				
	IDLE25	, IDLE26	, IDLE27	, IDLE28	, IDLE29	, IDLE30	,
	IDLE31	, IDLE32	,				
	IDLE33	, IDLE34	, IDLE35	, IDLE36	, IDLE37	, IDLE38	,
	IDLE39	, IDLE40	,				
	IDLE41	, IDLE42	, IDLE43	, IDLE44	, IDLE45	, IDLE46	,
	TRU1	, TRU2	,				
	TRU3	, TRU4	, TRU5	, TRU6	, TRU7	, TRU8	,
	TRU9	, TRU10	,				
	TRU11	, TRU12	, TRU13	, TRU14	, TRU15	, TRU16	,
	TRU17	, TRU18	,				
	TRU19	, TRU20	, TRU21	, TRU22	, TRU23	, TRU24	,
	TRU25	, TRU26	,				
	TRU27	, TRU28	, TRU29	, TRU30	, TRU31	, TRU32	,
	TRU33	, TRU34	,				
	TRU35	, TRU36	, TRU37	, TRU38	, TRU39	, TRU40	,
	TRU41	, TRU42	,				
	TRU43	, TRU44	, TRU45	, TRU46	, TTP1	, TTP2	,
	TTP3	, TTP4	,				
	TTP5	, TTP6	, TTP7	, TTP8	, TTP9	, TTP10	,
	TTP11	, TTP12	,				
	TTP13	, TTP14	, TTP15	, TTP16	, TTP17	, TTP18	,
	TTP19	, TTP20	,				
	TTP21	, TTP22	, TTP23	, TTP24	, TTP25	, TTP26	,
	TTP27	, TTP28	,				

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TTP29      , TTP30      , TTP31      , TTP32      , TTP33      , TTP34      ,
TTP35      , TTP36      ,
TTP37      , TTP38      , TTP39      , TTP40      , TTP41      , TTP42      ,
TTP43      , TTP44      ,
TTP45      , TTP46      , TTP47      , TTP48      , TTP49      , TTP50      ,
TTP51      , TTP52      ,
TTP53      , TTP54      , TTP55      , TTP56      , TTP57      , TTP58      ,
TTP59      , TTP60      ,
TTP61      , TTP62      , TTP63      , TTP64      , TTP65      , TTP66      ,
TTP67      , TTP68      ,

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*** MODELOPTs:   RegDEFAULT CONC ELEV URBAN ADJ_U*

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\*\*\* SOURCE IDs DEFINED AS URBAN SOURCES \*\*\*

URBAN ID	URBAN POP	SOURCE IDs					
-----	-----	-----					
TTP69		TTP70	TTP71	TTP72	TTP73	TTP74	
TTP75		TTP76					
TTP77		TTP78	TTP79	TTP80	TTP81	TTP82	
TTP83		L0000001					
L0000002		L0000003	L0000004	L0000005	L0000006	L0000007	
L0000008		L0000009					
L0000010		L0000011	L0000012	L0000013	L0000014	L0000015	
L0000016		L0000017					
L0000018		L0000019	L0000020	L0000021	L0000022	L0000023	
L0000024		L0000025					
L0000026		L0000027	L0000028	L0000029	L0000030	L0000031	
L0000032		L0000033					
L0000034		L0000035	L0000036	L0000037	L0000038	L0000039	
L0000040		STCK1					
STCK2		L0000041	L0000042	L0000043	L0000044	L0000045	
L0000046		L0000047					
L0000048		L0000049	L0000050	L0000051	L0000052	L0000053	
L0000054		L0000055					
L0000056		L0000057	L0000058	L0000059	L0000060	L0000061	
L0000062		L0000063					
L0000064		L0000065	L0000066	L0000067	L0000068	L0000069	
L0000070		L0000071					
L0000072		L0000073	L0000074	L0000075	L0000076	L0000077	
L0000078		L0000079					
L0000080		L0000081	L0000082	L0000083	L0000084	L0000085	

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L0000086 , L0000087 ,
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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\*\*\* SOURCE IDs DEFINED AS URBAN SOURCES \*\*\*

URBAN ID	URBAN POP	SOURCE IDs					
-----	-----	-----	-----	-----	-----	-----	-----
L0000144	L0000145	L0000146	L0000147	L0000148	L0000149		
L0000150	L0000151						
L0000152	L0000153	L0000154	L0000155	L0000156	L0000157		
L0000158	L0000159						
L0000160	L0000161	L0000162	L0000163	L0000164	L0000165		
L0000166	L0000167						
L0000168	L0000169	L0000170	L0000171	L0000172	L0000173		
L0000174	L0000175						
L0000176	L0000177	L0000178	L0000179	L0000180	L0000181		
L0000182	L0000183						
L0000184	L0000185	L0000186	L0000187	L0000188	L0000189		
L0000190	L0000191						
L0000192	L0000193	L0000194	L0000195	L0000196	L0000197		
L0000198	L0000199						
L0000200	L0000201	L0000202	L0000203	L0000204	L0000205		
L0000206	L0000207						
L0000208	L0000209	L0000210	L0000211	L0000212	L0000213		
L0000214	L0000215						
L0000216	L0000217	L0000218	L0000219	L0000220	L0000221		
L0000222	L0000223						

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L0000224 , L0000225 , L0000226 , L0000227 , L0000228 , L0000229 ,
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L0000302 , L0000303 ,

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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*** SOURCE IDs DEFINED AS URBAN SOURCES ***

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URBAN ID	URBAN POP	SOURCE IDs					
-----	-----	-----	-----	-----	-----	-----	-----
L0000304	L0000305	L0000306	L0000307	L0000308	L0000309		
L0000310	L0000311						
L0000312	L0000313	L0000314	L0000315	L0000316	L0000317		
L0000318	L0000319						
L0000320	L0000321	L0000322	L0000323	L0000324	L0000325		
L0000326	L0000327						
L0000328	L0000329	L0000330	L0000331	L0000332	L0000333		
L0000334	L0000335						
L0000336	L0000337	L0000338	L0000339	L0000340	L0000341		
L0000342	L0000343						
L0000344	L0000345	L0000346	L0000347	L0000348	L0000349		
L0000350	L0000351						
L0000352	L0000353	L0000354	L0000355	L0000356	L0000357		
L0000358	L0000359						

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L0000360 , L0000361 , L0000362 , L0000363 , L0000364 , L0000365 ,
L0000366 , L0000367 ,

L0000368 , L0000369 , L0000370 , L0000371 , L0000372 , L0000373 ,
L0000374 , L0000375 ,

L0000376 , L0000377 , L0000378 , L0000379 , L0000380 , L0000381 ,
L0000382 , L0000383 ,

L0000384 , L0000385 , L0000386 , L0000387 , L0000388 , L0000389 ,
L0000390 , L0000391 ,

L0000392 , L0000393 , L0000394 , L0000395 , L0000396 , L0000397 ,
L0000398 , L0000399 ,

L0000400 , L0000401 , L0000402 , L0000403 , L0000404 , L0000405 ,
L0000406 , L0000407 ,

L0000408 , L0000409 , L0000410 , L0000411 , L0000412 , L0000413 ,
L0000414 , L0000415 ,

L0000416 , L0000417 , L0000418 , L0000419 , L0000420 , L0000421 ,
L0000422 , L0000423 ,

L0000424 , L0000425 , L0000426 , L0000427 , L0000428 , L0000429 ,
L0000430 , L0000431 ,

L0000432 , L0000433 , L0000434 , L0000435 , L0000436 , L0000437 ,
L0000438 , L0000439 ,

L0000440 , L0000441 , L0000442 , L0000443 , L0000444 , L0000445 ,
L0000446 , L0000447 ,

L0000448 , L0000449 , L0000450 , L0000451 , L0000452 , L0000453 ,
L0000454 , L0000455 ,

L0000456 , L0000457 , L0000458 , L0000459 , L0000460 , L0000461 ,
L0000462 , L0000463 ,

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* SOURCE IDs DEFINED AS URBAN SOURCES \*\*\*

URBAN ID	URBAN POP	SOURCE IDs					
-----	-----	-----	-----	-----	-----	-----	-----
L0000464	L0000470	L0000465	L0000466	L0000467	L0000468	L0000469	
L0000472	L0000478	L0000473	L0000474	L0000475	L0000476	L0000477	
L0000480	L0000486	L0000481	L0000482	L0000483	L0000484	L0000485	
L0000488	L0000494	L0000489	L0000490	L0000491	L0000492	L0000493	
L0000496		L0000497	L0000498	L0000499	L0000500	L0000501	

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L0000502 , L0000503 ,
L0000504 , L0000505 , L0000506 , L0000507 , L0000508 , L0000509 ,
L0000510 , L0000511 ,
L0000512 , L0000513 , L0000514 , L0000515 , L0000516 , L0000517 ,
L0000518 , L0000519 ,
L0000520 , L0000521 , L0000522 , L0000523 , L0000524 , L0000525 ,
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L0000528 , L0000529 , L0000530 , L0000531 , L0000532 , L0000533 ,
L0000534 , L0000535 ,
L0000536 , L0000537 , L0000538 , L0000539 , L0000540 , L0000541 ,
L0000542 , L0000543 ,
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L0000566 , L0000567 ,
L0000568 , L0000569 , L0000570 , L0000571 , L0000572 , L0000573 ,
L0000574 , L0000575 ,
L0000576 , L0000577 , L0000578 , L0000579 , L0000580 , L0000581 ,
L0000582 , L0000583 ,
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L0000592 , L0000593 , L0000594 , L0000595 , L0000596 , L0000597 ,
L0000598 , L0000599 ,
L0000600 , L0000601 , L0000602 , L0000603 , L0000604 , L0000605 ,
L0000606 , L0000607 ,
L0000608 , L0000609 , L0000610 , L0000611 , L0000612 , L0000613 ,
L0000614 , L0000615 ,
L0000616 , L0000617 , L0000618 , L0000619 , L0000620 , L0000621 ,
L0000622 , L0000623 ,

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* SOURCE IDs DEFINED AS URBAN SOURCES \*\*\*

URBAN ID	URBAN POP	SOURCE IDs
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L0000624	L0000625	L0000626 , L0000627 , L0000628 , L0000629 ,
L0000630	L0000631	,
L0000632	L0000633	L0000634 , L0000635 , L0000636 , L0000637 ,
L0000638	L0000639	,

L0000640 , L0000641 , L0000642 , L0000643 , L0000644 , L0000645 ,  
 L0000646 , L0000647 ,  
  
 L0000648 , L0000649 , L0000650 , L0000651 , L0000652 , L0000653 ,  
 L0000654 , L0000655 ,  
  
 L0000656 , L0000657 , L0000658 , L0000659 , L0000660 , L0000661 ,  
 L0000662 , L0000663 ,  
  
 L0000664 , L0000665 , L0000666 , L0000667 , L0000668 , L0000669 ,  
 L0000670 , L0000671 ,  
  
 L0000672 , L0000673 , L0000674 , L0000675 , L0000676 , L0000677 ,  
 L0000678 , L0000679 ,  
  
 L0000680 , L0000681 , L0000682 , L0000683 , L0000684 , L0000685 ,  
 L0000686 , L0000687 ,  
  
 L0000688 , L0000689 , L0000690 , L0000691 , L0000692 , L0000693 ,  
 L0000694 , L0000695 ,  
  
 L0000696 , L0000697 , L0000698 , L0000699 , L0000700 , L0000701 ,  
 L0000702 , L0000703 ,  
  
 L0000704 , L0000705 , L0000706 , L0000707 , L0000708 , L0000709 ,  
 L0000710 , L0000711 ,  
  
 L0000712 , L0000713 , L0000714 , L0000715 , L0000716 , L0000717 ,  
 L0000718 , L0000719 ,  
  
 L0000720 , L0000721 , L0000722 , L0000723 , L0000724 , L0000725 ,  
 L0000726 , L0000727 ,  
  
 L0000728 , L0000729 , L0000730 , L0000731 , L0000732 , L0000733 ,  
 L0000734 , L0000735 ,  
  
 L0000736 , L0000737 , L0000738 , L0000739 , L0000740 , L0000741 ,  
 L0000742 , L0000743 ,  
  
 L0000744 , L0000745 , L0000746 , L0000747 , L0000748 , L0000749 ,  
 L0000750 , L0000751 ,  
  
 L0000752 , L0000753 , L0000754 , L0000755 , L0000756 , L0000757 ,  
 L0000758 , L0000759 ,  
  
 L0000760 , L0000761 , L0000762 , L0000763 , L0000764 , L0000765 ,  
 L0000766 , L0000767 ,  
  
 L0000768 , L0000769 , L0000770 , L0000771 , L0000772 , L0000773 ,  
 L0000774 , L0000775 ,  
  
 L0000776 , L0000777 , L0000778 , L0000779 , L0000780 , L0000781 ,  
 L0000782 , L0000783

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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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L0000784 , L0000785 , L0000786 , L0000787 , L0000788 , L0000789 ,
L0000790 , L0000791 ,

L0000792 , L0000793 , L0000794 , L0000795 , L0000796 , L0000797 ,
L0000798 , L0000799 ,

L0000800 , L0000801 , L0000802 , L0000803 , L0000804 , L0000805 ,
L0000806 , L0000807 ,

L0000808 , L0000809 , L0000810 , L0000811 , L0000812 , L0000813 ,
L0000814 , L0000815 ,

L0000816 , L0000817 , L0000818 , L0000819 , L0000820 , L0000821 ,
L0000822 , L0000823 ,

L0000824 , L0000825 , L0000826 ,

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: IDLE1

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-15.5,	-91.7,	2	13.7,	340.1,	204.2,	-26.1,	-79.7,
3	13.7,	328.4,	248.8,	-35.9,	-65.3,	4	13.7,	306.8,	285.7,	-44.6,	-48.9,
5	13.7,	275.8,	314.0,	-52.0,	-31.0,	6	13.7,	236.4,	332.7,	-57.8,	-12.1,
7	13.7,	189.9,	341.3,	-61.8,	7.1,	8	13.7,	138.4,	339.6,	-63.9,	26.4,
9	13.7,	101.5,	333.6,	-66.5,	46.3,	10	13.7,	154.2,	341.4,	-79.0,	61.6,
11	13.7,	204.2,	340.1,	-90.3,	76.0,	12	13.7,	248.8,	328.4,	-98.9,	88.5,
13	13.7,	285.7,	306.8,	-104.5,	98.2,	14	13.7,	314.0,	275.8,	-106.9,	105.0,
15	13.7,	332.7,	236.4,	-106.1,	108.6,	16	13.7,	341.3,	189.9,	-102.0,	108.9,
17	13.7,	339.6,	138.4,	-95.6,	105.8,	18	13.7,	333.6,	101.5,	-97.0,	100.3,
19	13.7,	341.4,	154.2,	-138.6,	91.7,	20	13.7,	340.1,	204.2,	-178.1,	79.7,
21	13.7,	328.4,	248.8,	-212.8,	65.3,	22	13.7,	306.8,	285.7,	-241.1,	48.9,
23	13.7,	275.8,	314.0,	-262.0,	31.0,	24	13.7,	236.4,	332.7,	-274.9,	12.1,
25	13.7,	189.9,	341.3,	-279.5,	-7.1,	26	13.7,	138.4,	339.6,	-275.6,	-26.4,
27	13.7,	101.5,	333.6,	-267.1,	-46.3,	28	13.7,	154.2,	341.4,	-262.4,	-61.6,
29	13.7,	204.2,	340.1,	-249.8,	-76.0,	30	13.7,	248.8,	328.4,	-229.5,	-88.5,
31	13.7,	285.7,	306.8,	-202.3,	-98.2,	32	13.7,	314.0,	275.8,	-168.9,	-105.0,
33	13.7,	332.7,	236.4,	-130.4,	-108.6,	34	13.7,	341.3,	189.9,	-87.9,	-108.9,
35	13.7,	339.6,	138.4,	-42.7,	-105.8,	36	13.7,	333.6,	101.5,	-4.5,	-100.3,

SOURCE ID: IDLE2

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-16.4,	-87.8,	2	13.7,	340.1,	204.2,	-27.7,	-76.0,
3	13.7,	328.4,	248.8,	-38.1,	-61.9,	4	13.7,	306.8,	285.7,	-47.4,	-45.9,
5	13.7,	275.8,	314.0,	-55.2,	-28.6,	6	13.7,	236.4,	332.7,	-61.4,	-10.3,
7	13.7,	189.9,	341.3,	-65.7,	8.2,	8	13.7,	138.4,	339.6,	-68.0,	26.9,
9	13.7,	101.5,	333.6,	-70.5,	46.1,	10	13.7,	154.2,	341.4,	-82.9,	60.6,
11	13.7,	204.2,	340.1,	-94.0,	74.4,	12	13.7,	248.8,	328.4,	-102.3,	86.2,
13	13.7,	285.7,	306.8,	-107.4,	95.5,	14	13.7,	314.0,	275.8,	-109.3,	101.8,
15	13.7,	332.7,	236.4,	-107.9,	105.0,	16	13.7,	341.3,	189.9,	-103.2,	105.0,
17	13.7,	339.6,	138.4,	-96.1,	101.8,	18	13.7,	333.6,	101.5,	-96.8,	96.3,
19	13.7,	341.4,	154.2,	-137.7,	87.8,	20	13.7,	340.1,	204.2,	-176.5,	76.0,
21	13.7,	328.4,	248.8,	-210.6,	61.9,	22	13.7,	306.8,	285.7,	-238.3,	45.9,
23	13.7,	275.8,	314.0,	-258.7,	28.6,	24	13.7,	236.4,	332.7,	-271.3,	10.3,



25	13.7,	189.9,	341.3,	-275.7,	-8.2,	26	13.7,	138.4,	339.6,	-271.6,	-26.9,
27	13.7,	101.5,	333.6,	-263.1,	-46.1,	28	13.7,	154.2,	341.4,	-258.5,	-60.6,
29	13.7,	204.2,	340.1,	-246.0,	-74.4,	30	13.7,	248.8,	328.4,	-226.1,	-86.2,
31	13.7,	285.7,	306.8,	-199.3,	-95.5,	32	13.7,	314.0,	275.8,	-166.4,	-101.8,
33	13.7,	332.7,	236.4,	-128.5,	-105.0,	34	13.7,	341.3,	189.9,	-86.7,	-105.0,
35	13.7,	339.6,	138.4,	-42.2,	-101.8,	36	13.7,	333.6,	101.5,	-4.7,	-96.3,

SOURCE ID: IDLE3

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-17.2,	-84.0,	2	13.7,	340.1,	204.2,	-29.1,	-72.4,
3	13.7,	328.4,	248.8,	-40.1,	-58.6,	4	13.7,	306.8,	285.7,	-49.9,	-43.0,
5	13.7,	275.8,	314.0,	-58.2,	-26.1,	6	13.7,	236.4,	332.7,	-64.7,	-8.5,
7	13.7,	189.9,	341.3,	-69.2,	9.5,	8	13.7,	138.4,	339.6,	-71.7,	27.5,
9	13.7,	101.5,	333.6,	-74.3,	46.0,	10	13.7,	154.2,	341.4,	-86.6,	59.9,
11	13.7,	204.2,	340.1,	-97.6,	73.1,	12	13.7,	248.8,	328.4,	-105.6,	84.3,
13	13.7,	285.7,	306.8,	-110.3,	93.0,	14	13.7,	314.0,	275.8,	-111.7,	98.8,
15	13.7,	332.7,	236.4,	-109.8,	101.6,	16	13.7,	341.3,	189.9,	-104.5,	101.4,
17	13.7,	339.6,	138.4,	-96.7,	98.1,	18	13.7,	333.6,	101.5,	-96.7,	92.5,
19	13.7,	341.4,	154.2,	-137.0,	84.0,	20	13.7,	340.1,	204.2,	-175.2,	72.4,
21	13.7,	328.4,	248.8,	-208.7,	58.6,	22	13.7,	306.8,	285.7,	-235.8,	43.0,
23	13.7,	275.8,	314.0,	-255.8,	26.1,	24	13.7,	236.4,	332.7,	-268.0,	8.5,
25	13.7,	189.9,	341.3,	-272.1,	-9.5,	26	13.7,	138.4,	339.6,	-267.9,	-27.5,
27	13.7,	101.5,	333.6,	-259.3,	-46.0,	28	13.7,	154.2,	341.4,	-254.8,	-59.9,
29	13.7,	204.2,	340.1,	-242.5,	-73.1,	30	13.7,	248.8,	328.4,	-222.8,	-84.3,
31	13.7,	285.7,	306.8,	-196.4,	-93.0,	32	13.7,	314.0,	275.8,	-164.0,	-98.8,
33	13.7,	332.7,	236.4,	-126.7,	-101.6,	34	13.7,	341.3,	189.9,	-85.5,	-101.4,
35	13.7,	339.6,	138.4,	-41.6,	-98.1,	36	13.7,	333.6,	101.5,	-4.7,	-92.5,

SOURCE ID: IDLE4

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-18.0,	-80.1,	2	13.7,	340.1,	204.2,	-30.6,	-68.7,
3	13.7,	328.4,	248.8,	-42.2,	-55.2,	4	13.7,	306.8,	285.7,	-52.6,	-40.1,
5	13.7,	275.8,	314.0,	-61.3,	-23.7,	6	13.7,	236.4,	332.7,	-68.2,	-6.6,
7	13.7,	189.9,	341.3,	-73.0,	10.7,	8	13.7,	138.4,	339.6,	-75.7,	28.1,
9	13.7,	101.5,	333.6,	-78.3,	45.9,	10	13.7,	154.2,	341.4,	-90.6,	59.1,
11	13.7,	204.2,	340.1,	-101.3,	71.6,	12	13.7,	248.8,	328.4,	-109.0,	82.2,
13	13.7,	285.7,	306.8,	-113.3,	90.3,	14	13.7,	314.0,	275.8,	-114.2,	95.7,
15	13.7,	332.7,	236.4,	-111.6,	98.1,	16	13.7,	341.3,	189.9,	-105.7,	97.6,
17	13.7,	339.6,	138.4,	-97.3,	94.1,	18	13.7,	333.6,	101.5,	-96.6,	88.5,
19	13.7,	341.4,	154.2,	-136.2,	80.1,	20	13.7,	340.1,	204.2,	-173.7,	68.7,
21	13.7,	328.4,	248.8,	-206.6,	55.2,	22	13.7,	306.8,	285.7,	-233.2,	40.1,
23	13.7,	275.8,	314.0,	-252.7,	23.7,	24	13.7,	236.4,	332.7,	-264.5,	6.6,
25	13.7,	189.9,	341.3,	-268.3,	-10.7,	26	13.7,	138.4,	339.6,	-263.9,	-28.1,
27	13.7,	101.5,	333.6,	-255.3,	-45.9,	28	13.7,	154.2,	341.4,	-250.9,	-59.1,
29	13.7,	204.2,	340.1,	-238.8,	-71.6,	30	13.7,	248.8,	328.4,	-219.5,	-82.2,
31	13.7,	285.7,	306.8,	-193.5,	-90.3,	32	13.7,	314.0,	275.8,	-161.6,	-95.7,
33	13.7,	332.7,	236.4,	-124.8,	-98.1,	34	13.7,	341.3,	189.9,	-84.2,	-97.6,
35	13.7,	339.6,	138.4,	-41.1,	-94.1,	36	13.7,	333.6,	101.5,	-4.9,	-88.5,

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\*\*\* MODELOPTs:      RegDFAULT      CONC      ELEV      URBAN      ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: IDLE5

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-18.7,	-76.1,	2	13.7,	340.1,	204.2,	-32.0,	-64.9,
3	13.7,	328.4,	248.8,	-44.3,	-51.7,	4	13.7,	306.8,	285.7,	-55.2,	-37.0,

5	13.7,	275.8,	314.0,	-64.5,	-21.1,	6	13.7,	236.4,	332.7,	-71.8,	-4.6,
7	13.7,	189.9,	341.3,	-76.9,	12.1,	8	13.7,	138.4,	339.6,	-79.7,	28.8,
9	13.7,	101.5,	333.6,	-82.4,	45.8,	10	13.7,	154.2,	341.4,	-94.6,	58.3,
11	13.7,	204.2,	340.1,	-105.1,	70.1,	12	13.7,	248.8,	328.4,	-112.5,	80.1,
13	13.7,	285.7,	306.8,	-116.4,	87.6,	14	13.7,	314.0,	275.8,	-116.8,	92.5,
15	13.7,	332.7,	236.4,	-113.6,	94.6,	16	13.7,	341.3,	189.9,	-107.0,	93.8,
17	13.7,	339.6,	138.4,	-97.9,	90.1,	18	13.7,	333.6,	101.5,	-96.5,	84.4,
19	13.7,	341.4,	154.2,	-135.4,	76.1,	20	13.7,	340.1,	204.2,	-172.3,	64.9,
21	13.7,	328.4,	248.8,	-204.5,	51.7,	22	13.7,	306.8,	285.7,	-230.5,	37.0,
23	13.7,	275.8,	314.0,	-249.5,	21.1,	24	13.7,	236.4,	332.7,	-260.9,	4.6,
25	13.7,	189.9,	341.3,	-264.4,	-12.1,	26	13.7,	138.4,	339.6,	-259.9,	-28.8,
27	13.7,	101.5,	333.6,	-251.2,	-45.8,	28	13.7,	154.2,	341.4,	-246.8,	-58.3,
29	13.7,	204.2,	340.1,	-235.0,	-70.1,	30	13.7,	248.8,	328.4,	-215.9,	-80.1,
31	13.7,	285.7,	306.8,	-190.3,	-87.6,	32	13.7,	314.0,	275.8,	-159.0,	-92.5,
33	13.7,	332.7,	236.4,	-122.8,	-94.6,	34	13.7,	341.3,	189.9,	-82.9,	-93.8,
35	13.7,	339.6,	138.4,	-40.4,	-90.1,	36	13.7,	333.6,	101.5,	-4.9,	-84.4,

SOURCE ID: IDLE6

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-20.3,	-68.5,	2	13.7,	340.1,	204.2,	-34.8,	-57.7,
3	13.7,	328.4,	248.8,	-48.3,	-45.1,	4	13.7,	306.8,	285.7,	-60.4,	-31.1,
5	13.7,	275.8,	314.0,	-70.6,	-16.2,	6	13.7,	236.4,	332.7,	-78.6,	-0.9,
7	13.7,	189.9,	341.3,	-84.3,	14.6,	8	13.7,	138.4,	339.6,	-87.4,	29.9,
9	13.7,	101.5,	333.6,	-90.2,	45.6,	10	13.7,	154.2,	341.4,	-102.2,	56.8,
11	13.7,	204.2,	340.1,	-112.4,	67.3,	12	13.7,	248.8,	328.4,	-119.1,	76.0,
13	13.7,	285.7,	306.8,	-122.2,	82.5,	14	13.7,	314.0,	275.8,	-121.6,	86.4,
15	13.7,	332.7,	236.4,	-117.4,	87.7,	16	13.7,	341.3,	189.9,	-109.5,	86.4,
17	13.7,	339.6,	138.4,	-99.1,	82.4,	18	13.7,	333.6,	101.5,	-96.3,	76.6,
19	13.7,	341.4,	154.2,	-133.9,	68.5,	20	13.7,	340.1,	204.2,	-169.4,	57.7,
21	13.7,	328.4,	248.8,	-200.4,	45.1,	22	13.7,	306.8,	285.7,	-225.3,	31.1,
23	13.7,	275.8,	314.0,	-243.4,	16.2,	24	13.7,	236.4,	332.7,	-254.1,	0.9,
25	13.7,	189.9,	341.3,	-257.0,	-14.6,	26	13.7,	138.4,	339.6,	-252.2,	-29.9,
27	13.7,	101.5,	333.6,	-243.4,	-45.6,	28	13.7,	154.2,	341.4,	-239.2,	-56.8,
29	13.7,	204.2,	340.1,	-227.7,	-67.3,	30	13.7,	248.8,	328.4,	-209.3,	-76.0,
31	13.7,	285.7,	306.8,	-184.5,	-82.5,	32	13.7,	314.0,	275.8,	-154.1,	-86.4,
33	13.7,	332.7,	236.4,	-119.1,	-87.7,	34	13.7,	341.3,	189.9,	-80.4,	-86.4,
35	13.7,	339.6,	138.4,	-39.3,	-82.4,	36	13.7,	333.6,	101.5,	-5.1,	-76.6,

SOURCE ID: IDLE7

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-21.2,	-64.6,	2	13.7,	340.1,	204.2,	-36.4,	-53.9,
3	13.7,	328.4,	248.8,	-50.5,	-41.7,	4	13.7,	306.8,	285.7,	-63.1,	-28.2,
5	13.7,	275.8,	314.0,	-73.8,	-13.8,	6	13.7,	236.4,	332.7,	-82.2,	1.0,
7	13.7,	189.9,	341.3,	-88.1,	15.8,	8	13.7,	138.4,	339.6,	-91.4,	30.4,
9	13.7,	101.5,	333.6,	-94.2,	45.4,	10	13.7,	154.2,	341.4,	-106.1,	55.9,
11	13.7,	204.2,	340.1,	-116.1,	65.7,	12	13.7,	248.8,	328.4,	-122.5,	73.8,
13	13.7,	285.7,	306.8,	-125.2,	79.7,	14	13.7,	314.0,	275.8,	-124.1,	83.2,
15	13.7,	332.7,	236.4,	-119.2,	84.1,	16	13.7,	341.3,	189.9,	-110.7,	82.5,
17	13.7,	339.6,	138.4,	-99.6,	78.4,	18	13.7,	333.6,	101.5,	-96.1,	72.6,
19	13.7,	341.4,	154.2,	-133.0,	64.6,	20	13.7,	340.1,	204.2,	-167.8,	53.9,
21	13.7,	328.4,	248.8,	-198.2,	41.7,	22	13.7,	306.8,	285.7,	-222.6,	28.2,
23	13.7,	275.8,	314.0,	-240.2,	13.8,	24	13.7,	236.4,	332.7,	-250.5,	-1.0,
25	13.7,	189.9,	341.3,	-253.2,	-15.8,	26	13.7,	138.4,	339.6,	-248.2,	-30.4,
27	13.7,	101.5,	333.6,	-239.4,	-45.4,	28	13.7,	154.2,	341.4,	-235.3,	-55.9,
29	13.7,	204.2,	340.1,	-224.0,	-65.7,	30	13.7,	248.8,	328.4,	-205.9,	-73.8,
31	13.7,	285.7,	306.8,	-181.6,	-79.7,	32	13.7,	314.0,	275.8,	-151.7,	-83.2,
33	13.7,	332.7,	236.4,	-117.2,	-84.1,	34	13.7,	341.3,	189.9,	-79.2,	-82.5,
35	13.7,	339.6,	138.4,	-38.8,	-78.4,	36	13.7,	333.6,	101.5,	-5.3,	-72.6,

SOURCE ID: IDLE8

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-21.9,	-60.8,	2	13.7,	340.1,	204.2,	-37.8,	-50.4,
3	13.7,	328.4,	248.8,	-52.5,	-38.4,	4	13.7,	306.8,	285.7,	-65.6,	-25.3,

5	13.7,	275.8,	314.0,	-76.7,	-11.4,	6	13.7,	236.4,	332.7,	-85.5,	2.8,
7	13.7,	189.9,	341.3,	-91.7,	17.0,	8	13.7,	138.4,	339.6,	-95.2,	31.0,
9	13.7,	101.5,	333.6,	-98.0,	45.4,	10	13.7,	154.2,	341.4,	-109.9,	55.2,
11	13.7,	204.2,	340.1,	-119.6,	64.4,	12	13.7,	248.8,	328.4,	-125.8,	71.9,
13	13.7,	285.7,	306.8,	-128.1,	77.2,	14	13.7,	314.0,	275.8,	-126.5,	80.2,
15	13.7,	332.7,	236.4,	-121.1,	80.8,	16	13.7,	341.3,	189.9,	-112.0,	78.9,
17	13.7,	339.6,	138.4,	-100.2,	74.6,	18	13.7,	333.6,	101.5,	-96.1,	68.8,
19	13.7,	341.4,	154.2,	-132.3,	60.8,	20	13.7,	340.1,	204.2,	-166.5,	50.4,
21	13.7,	328.4,	248.8,	-196.3,	38.4,	22	13.7,	306.8,	285.7,	-220.1,	25.3,
23	13.7,	275.8,	314.0,	-237.2,	11.4,	24	13.7,	236.4,	332.7,	-247.2,	-2.8,
25	13.7,	189.9,	341.3,	-249.6,	-17.0,	26	13.7,	138.4,	339.6,	-244.4,	-31.0,
27	13.7,	101.5,	333.6,	-235.6,	-45.4,	28	13.7,	154.2,	341.4,	-231.5,	-55.2,
29	13.7,	204.2,	340.1,	-220.4,	-64.4,	30	13.7,	248.8,	328.4,	-202.6,	-71.9,
31	13.7,	285.7,	306.8,	-178.7,	-77.2,	32	13.7,	314.0,	275.8,	-149.3,	-80.2,
33	13.7,	332.7,	236.4,	-115.4,	-80.8,	34	13.7,	341.3,	189.9,	-78.0,	-78.9,
35	13.7,	339.6,	138.4,	-38.1,	-74.6,	36	13.7,	333.6,	101.5,	-5.4,	-68.8,

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 Spreckels\15639 Ops HRA\1 \*\*\* 09/20/24

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: IDLE9

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-22.7,	-56.9,	2	13.7,	340.1,	204.2,	-39.3,	-46.7,
3	13.7,	328.4,	248.8,	-54.6,	-35.0,	4	13.7,	306.8,	285.7,	-68.3,	-22.3,
5	13.7,	275.8,	314.0,	-79.9,	-8.9,	6	13.7,	236.4,	332.7,	-89.1,	4.7,
7	13.7,	189.9,	341.3,	-95.5,	18.2,	8	13.7,	138.4,	339.6,	-99.1,	31.6,
9	13.7,	101.5,	333.6,	-102.0,	45.2,	10	13.7,	154.2,	341.4,	-113.8,	54.3,
11	13.7,	204.2,	340.1,	-123.3,	62.9,	12	13.7,	248.8,	328.4,	-129.2,	69.8,
13	13.7,	285.7,	306.8,	-131.0,	74.6,	14	13.7,	314.0,	275.8,	-129.0,	77.1,
15	13.7,	332.7,	236.4,	-122.9,	77.3,	16	13.7,	341.3,	189.9,	-113.2,	75.1,
17	13.7,	339.6,	138.4,	-100.8,	70.7,	18	13.7,	333.6,	101.5,	-96.0,	64.8,
19	13.7,	341.4,	154.2,	-131.4,	56.9,	20	13.7,	340.1,	204.2,	-165.0,	46.7,
21	13.7,	328.4,	248.8,	-194.2,	35.0,	22	13.7,	306.8,	285.7,	-217.4,	22.3,
23	13.7,	275.8,	314.0,	-234.1,	8.9,	24	13.7,	236.4,	332.7,	-243.6,	-4.7,
25	13.7,	189.9,	341.3,	-245.8,	-18.2,	26	13.7,	138.4,	339.6,	-240.5,	-31.6,
27	13.7,	101.5,	333.6,	-231.6,	-45.2,	28	13.7,	154.2,	341.4,	-227.6,	-54.3,
29	13.7,	204.2,	340.1,	-216.7,	-62.9,	30	13.7,	248.8,	328.4,	-199.2,	-69.8,
31	13.7,	285.7,	306.8,	-175.7,	-74.6,	32	13.7,	314.0,	275.8,	-146.8,	-77.1,
33	13.7,	332.7,	236.4,	-113.5,	-77.3,	34	13.7,	341.3,	189.9,	-76.7,	-75.1,
35	13.7,	339.6,	138.4,	-37.6,	-70.7,	36	13.7,	333.6,	101.5,	-5.5,	-64.8,

SOURCE ID: IDLE10

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-23.5,	-52.9,	2	13.7,	340.1,	204.2,	-40.7,	-42.9,
3	13.7,	328.4,	248.8,	-56.7,	-31.5,	4	13.7,	306.8,	285.7,	-70.9,	-19.2,
5	13.7,	275.8,	314.0,	-83.0,	-6.3,	6	13.7,	236.4,	332.7,	-92.6,	6.7,
7	13.7,	189.9,	341.3,	-99.4,	19.6,	8	13.7,	138.4,	339.6,	-103.1,	32.2,
9	13.7,	101.5,	333.6,	-106.1,	45.2,	10	13.7,	154.2,	341.4,	-117.8,	53.6,
11	13.7,	204.2,	340.1,	-127.2,	61.4,	12	13.7,	248.8,	328.4,	-132.7,	67.7,
13	13.7,	285.7,	306.8,	-134.2,	71.9,	14	13.7,	314.0,	275.8,	-131.5,	73.9,
15	13.7,	332.7,	236.4,	-124.9,	73.7,	16	13.7,	341.3,	189.9,	-114.5,	71.3,
17	13.7,	339.6,	138.4,	-101.4,	66.6,	18	13.7,	333.6,	101.5,	-95.9,	60.7,
19	13.7,	341.4,	154.2,	-130.7,	52.9,	20	13.7,	340.1,	204.2,	-163.6,	42.9,
21	13.7,	328.4,	248.8,	-192.1,	31.5,	22	13.7,	306.8,	285.7,	-214.8,	19.2,
23	13.7,	275.8,	314.0,	-230.9,	6.3,	24	13.7,	236.4,	332.7,	-240.1,	-6.7,
25	13.7,	189.9,	341.3,	-241.9,	-19.6,	26	13.7,	138.4,	339.6,	-236.4,	-32.2,
27	13.7,	101.5,	333.6,	-227.5,	-45.2,	28	13.7,	154.2,	341.4,	-223.6,	-53.6,

29	13.7,	204.2,	340.1,	-212.9,	-61.4,	30	13.7,	248.8,	328.4,	-195.7,	-67.7,
31	13.7,	285.7,	306.8,	-172.6,	-71.9,	32	13.7,	314.0,	275.8,	-144.2,	-73.9,
33	13.7,	332.7,	236.4,	-111.5,	-73.7,	34	13.7,	341.3,	189.9,	-75.3,	-71.3,
35	13.7,	339.6,	138.4,	-36.9,	-66.6,	36	13.7,	333.6,	101.5,	-5.5,	-60.7,

SOURCE ID: IDLE11

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-24.3,	-49.0,	2	13.7,	340.1,	204.2,	-42.2,	-39.2,
3	13.7,	328.4,	248.8,	-58.8,	-28.2,	4	13.7,	306.8,	285.7,	-73.6,	-16.3,
5	13.7,	275.8,	314.0,	-86.2,	-4.0,	6	13.7,	236.4,	332.7,	-96.1,	8.5,
7	13.7,	189.9,	341.3,	-103.2,	20.8,	8	13.7,	138.4,	339.6,	-107.1,	32.8,
9	13.7,	101.5,	333.6,	-110.0,	45.0,	10	13.7,	154.2,	341.4,	-121.6,	52.7,
11	13.7,	204.2,	340.1,	-130.8,	59.9,	12	13.7,	248.8,	328.4,	-136.0,	65.6,
13	13.7,	285.7,	306.8,	-137.0,	69.2,	14	13.7,	314.0,	275.8,	-133.9,	70.8,
15	13.7,	332.7,	236.4,	-126.8,	70.2,	16	13.7,	341.3,	189.9,	-115.7,	67.5,
17	13.7,	339.6,	138.4,	-101.9,	62.7,	18	13.7,	333.6,	101.5,	-95.7,	56.8,
19	13.7,	341.4,	154.2,	-129.8,	49.0,	20	13.7,	340.1,	204.2,	-162.0,	39.2,
21	13.7,	328.4,	248.8,	-189.9,	28.2,	22	13.7,	306.8,	285.7,	-212.1,	16.3,
23	13.7,	275.8,	314.0,	-227.8,	4.0,	24	13.7,	236.4,	332.7,	-236.6,	-8.5,
25	13.7,	189.9,	341.3,	-238.2,	-20.8,	26	13.7,	138.4,	339.6,	-232.5,	-32.8,
27	13.7,	101.5,	333.6,	-223.6,	-45.0,	28	13.7,	154.2,	341.4,	-219.8,	-52.7,
29	13.7,	204.2,	340.1,	-209.3,	-59.9,	30	13.7,	248.8,	328.4,	-192.4,	-65.6,
31	13.7,	285.7,	306.8,	-169.7,	-69.2,	32	13.7,	314.0,	275.8,	-141.9,	-70.8,
33	13.7,	332.7,	236.4,	-109.7,	-70.2,	34	13.7,	341.3,	189.9,	-74.2,	-67.5,
35	13.7,	339.6,	138.4,	-36.4,	-62.7,	36	13.7,	333.6,	101.5,	-5.7,	-56.8,

SOURCE ID: IDLE12

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-25.1,	-45.1,	2	13.7,	340.1,	204.2,	-43.7,	-35.5,
3	13.7,	328.4,	248.8,	-60.9,	-24.8,	4	13.7,	306.8,	285.7,	-76.3,	-13.3,
5	13.7,	275.8,	314.0,	-89.3,	-1.5,	6	13.7,	236.4,	332.7,	-99.6,	10.5,
7	13.7,	189.9,	341.3,	-107.0,	22.1,	8	13.7,	138.4,	339.6,	-111.0,	33.3,
9	13.7,	101.5,	333.6,	-114.0,	44.9,	10	13.7,	154.2,	341.4,	-125.6,	51.9,
11	13.7,	204.2,	340.1,	-134.5,	58.4,	12	13.7,	248.8,	328.4,	-139.4,	63.5,
13	13.7,	285.7,	306.8,	-140.1,	66.6,	14	13.7,	314.0,	275.8,	-136.4,	67.7,
15	13.7,	332.7,	236.4,	-128.7,	66.7,	16	13.7,	341.3,	189.9,	-117.0,	63.7,
17	13.7,	339.6,	138.4,	-102.5,	58.8,	18	13.7,	333.6,	101.5,	-95.6,	52.8,
19	13.7,	341.4,	154.2,	-129.0,	45.1,	20	13.7,	340.1,	204.2,	-160.6,	35.5,
21	13.7,	328.4,	248.8,	-187.9,	24.8,	22	13.7,	306.8,	285.7,	-209.4,	13.3,
23	13.7,	275.8,	314.0,	-224.7,	1.5,	24	13.7,	236.4,	332.7,	-233.1,	-10.5,
25	13.7,	189.9,	341.3,	-234.4,	-22.1,	26	13.7,	138.4,	339.6,	-228.6,	-33.3,
27	13.7,	101.5,	333.6,	-219.6,	-44.9,	28	13.7,	154.2,	341.4,	-215.8,	-51.9,
29	13.7,	204.2,	340.1,	-205.5,	-58.4,	30	13.7,	248.8,	328.4,	-189.0,	-63.5,
31	13.7,	285.7,	306.8,	-166.7,	-66.6,	32	13.7,	314.0,	275.8,	-139.3,	-67.7,
33	13.7,	332.7,	236.4,	-107.8,	-66.7,	34	13.7,	341.3,	189.9,	-72.9,	-63.7,
35	13.7,	339.6,	138.4,	-35.8,	-58.8,	36	13.7,	333.6,	101.5,	-5.8,	-52.8,

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\*\*\* AERMET - VERSION 21112 \*\*\*

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: IDLE13

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-29.7,	-22.0,	2	13.7,	340.1,	204.2,	-52.2,	-13.5,
3	13.7,	328.4,	248.8,	-73.1,	-4.6,	4	13.7,	306.8,	285.7,	-91.8,	4.4,
5	13.7,	275.8,	314.0,	-107.7,	13.3,	6	13.7,	236.4,	332.7,	-120.3,	21.8,
7	13.7,	189.9,	341.3,	-129.3,	29.6,	8	13.7,	138.4,	339.6,	-134.3,	36.9,

9	13.7,	101.5,	333.6,	-137.6,	44.4,	10	13.7,	154.2,	341.4,	-148.7,	47.3,
11	13.7,	204.2,	340.1,	-156.5,	49.9,	12	13.7,	248.8,	328.4,	-159.6,	51.2,
13	13.7,	285.7,	306.8,	-157.8,	51.0,	14	13.7,	314.0,	275.8,	-151.2,	49.3,
15	13.7,	332.7,	236.4,	-140.0,	46.0,	16	13.7,	341.3,	189.9,	-124.6,	41.4,
17	13.7,	339.6,	138.4,	-106.1,	35.4,	18	13.7,	333.6,	101.5,	-95.1,	29.2,
19	13.7,	341.4,	154.2,	-124.4,	22.0,	20	13.7,	340.1,	204.2,	-152.0,	13.5,
21	13.7,	328.4,	248.8,	-175.6,	4.6,	22	13.7,	306.8,	285.7,	-193.9,	-4.4,
23	13.7,	275.8,	314.0,	-206.3,	-13.3,	24	13.7,	236.4,	332.7,	-212.4,	-21.8,
25	13.7,	189.9,	341.3,	-212.0,	-29.6,	26	13.7,	138.4,	339.6,	-205.2,	-36.9,
27	13.7,	101.5,	333.6,	-196.0,	-44.4,	28	13.7,	154.2,	341.4,	-192.7,	-47.3,
29	13.7,	204.2,	340.1,	-183.6,	-49.9,	30	13.7,	248.8,	328.4,	-168.8,	-51.2,
31	13.7,	285.7,	306.8,	-149.0,	-51.0,	32	13.7,	314.0,	275.8,	-124.6,	-49.3,
33	13.7,	332.7,	236.4,	-96.4,	-46.0,	34	13.7,	341.3,	189.9,	-65.3,	-41.4,
35	13.7,	339.6,	138.4,	-32.2,	-35.4,	36	13.7,	333.6,	101.5,	-6.3,	-29.2,

SOURCE ID: IDLE14

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-30.6,	-18.2,	2	13.7,	340.1,	204.2,	-53.8,	-9.9,
3	13.7,	328.4,	248.8,	-75.3,	-1.3,	4	13.7,	306.8,	285.7,	-94.5,	7.3,
5	13.7,	275.8,	314.0,	-110.8,	15.7,	6	13.7,	236.4,	332.7,	-123.8,	23.6,
7	13.7,	189.9,	341.3,	-133.1,	30.8,	8	13.7,	138.4,	339.6,	-138.2,	37.4,
9	13.7,	101.5,	333.6,	-141.5,	44.2,	10	13.7,	154.2,	341.4,	-152.6,	46.5,
11	13.7,	204.2,	340.1,	-160.2,	48.4,	12	13.7,	248.8,	328.4,	-162.9,	49.1,
13	13.7,	285.7,	306.8,	-160.7,	48.4,	14	13.7,	314.0,	275.8,	-153.6,	46.1,
15	13.7,	332.7,	236.4,	-141.8,	42.5,	16	13.7,	341.3,	189.9,	-125.7,	37.6,
17	13.7,	339.6,	138.4,	-106.6,	31.5,	18	13.7,	333.6,	101.5,	-94.9,	25.2,
19	13.7,	341.4,	154.2,	-123.5,	18.2,	20	13.7,	340.1,	204.2,	-150.5,	9.9,
21	13.7,	328.4,	248.8,	-173.5,	1.3,	22	13.7,	306.8,	285.7,	-191.2,	-7.3,
23	13.7,	275.8,	314.0,	-203.1,	-15.7,	24	13.7,	236.4,	332.7,	-208.9,	-23.6,
25	13.7,	189.9,	341.3,	-208.3,	-30.8,	26	13.7,	138.4,	339.6,	-201.3,	-37.4,
27	13.7,	101.5,	333.6,	-192.1,	-44.2,	28	13.7,	154.2,	341.4,	-188.9,	-46.5,
29	13.7,	204.2,	340.1,	-179.9,	-48.4,	30	13.7,	248.8,	328.4,	-165.5,	-49.1,
31	13.7,	285.7,	306.8,	-146.1,	-48.4,	32	13.7,	314.0,	275.8,	-122.2,	-46.1,
33	13.7,	332.7,	236.4,	-94.6,	-42.5,	34	13.7,	341.3,	189.9,	-64.1,	-37.6,
35	13.7,	339.6,	138.4,	-31.7,	-31.5,	36	13.7,	333.6,	101.5,	-6.5,	-25.2,

SOURCE ID: IDLE15

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-31.4,	-14.2,	2	13.7,	340.1,	204.2,	-55.2,	-6.2,
3	13.7,	328.4,	248.8,	-77.3,	2.1,	4	13.7,	306.8,	285.7,	-97.1,	10.3,
5	13.7,	275.8,	314.0,	-114.0,	18.2,	6	13.7,	236.4,	332.7,	-127.3,	25.5,
7	13.7,	189.9,	341.3,	-136.8,	32.1,	8	13.7,	138.4,	339.6,	-142.2,	38.0,
9	13.7,	101.5,	333.6,	-145.5,	44.1,	10	13.7,	154.2,	341.4,	-156.5,	45.7,
11	13.7,	204.2,	340.1,	-163.9,	46.9,	12	13.7,	248.8,	328.4,	-166.3,	47.0,
13	13.7,	285.7,	306.8,	-163.7,	45.7,	14	13.7,	314.0,	275.8,	-156.1,	43.0,
15	13.7,	332.7,	236.4,	-143.7,	39.0,	16	13.7,	341.3,	189.9,	-127.0,	33.8,
17	13.7,	339.6,	138.4,	-107.2,	27.6,	18	13.7,	333.6,	101.5,	-94.8,	21.3,
19	13.7,	341.4,	154.2,	-122.8,	14.2,	20	13.7,	340.1,	204.2,	-149.1,	6.2,
21	13.7,	328.4,	248.8,	-171.4,	-2.1,	22	13.7,	306.8,	285.7,	-188.6,	-10.3,
23	13.7,	275.8,	314.0,	-200.0,	-18.2,	24	13.7,	236.4,	332.7,	-205.4,	-25.5,
25	13.7,	189.9,	341.3,	-204.5,	-32.1,	26	13.7,	138.4,	339.6,	-197.4,	-38.0,
27	13.7,	101.5,	333.6,	-188.1,	-44.1,	28	13.7,	154.2,	341.4,	-184.9,	-45.7,
29	13.7,	204.2,	340.1,	-176.2,	-46.9,	30	13.7,	248.8,	328.4,	-162.1,	-47.0,
31	13.7,	285.7,	306.8,	-143.1,	-45.7,	32	13.7,	314.0,	275.8,	-119.7,	-43.0,
33	13.7,	332.7,	236.4,	-92.7,	-39.0,	34	13.7,	341.3,	189.9,	-62.9,	-33.8,
35	13.7,	339.6,	138.4,	-31.1,	-27.6,	36	13.7,	333.6,	101.5,	-6.6,	-21.3,

SOURCE ID: IDLE16

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-26.5,	-37.6,	2	13.7,	340.1,	204.2,	-46.4,	-28.3,
3	13.7,	328.4,	248.8,	-64.8,	-18.2,	4	13.7,	306.8,	285.7,	-81.2,	-7.5,
5	13.7,	275.8,	314.0,	-95.2,	3.4,	6	13.7,	236.4,	332.7,	-106.3,	14.2,
7	13.7,	189.9,	341.3,	-114.2,	24.6,	8	13.7,	138.4,	339.6,	-118.6,	34.6,

9	13.7,	101.5,	333.6,	-121.7,	44.8,	10	13.7,	154.2,	341.4,	-133.1,	50.5,
11	13.7,	204.2,	340.1,	-141.7,	55.8,	12	13.7,	248.8,	328.4,	-146.0,	59.6,
13	13.7,	285.7,	306.8,	-145.9,	61.6,	14	13.7,	314.0,	275.8,	-141.3,	61.8,
15	13.7,	332.7,	236.4,	-132.4,	60.0,	16	13.7,	341.3,	189.9,	-119.5,	56.5,
17	13.7,	339.6,	138.4,	-103.8,	51.2,	18	13.7,	333.6,	101.5,	-95.5,	45.1,
19	13.7,	341.4,	154.2,	-127.6,	37.6,	20	13.7,	340.1,	204.2,	-157.9,	28.3,
21	13.7,	328.4,	248.8,	-184.0,	18.2,	22	13.7,	306.8,	285.7,	-204.5,	7.5,
23	13.7,	275.8,	314.0,	-218.8,	-3.4,	24	13.7,	236.4,	332.7,	-226.4,	-14.2,
25	13.7,	189.9,	341.3,	-227.1,	-24.6,	26	13.7,	138.4,	339.6,	-221.0,	-34.6,
27	13.7,	101.5,	333.6,	-211.9,	-44.8,	28	13.7,	154.2,	341.4,	-208.3,	-50.5,
29	13.7,	204.2,	340.1,	-198.4,	-55.8,	30	13.7,	248.8,	328.4,	-182.4,	-59.6,
31	13.7,	285.7,	306.8,	-160.9,	-61.6,	32	13.7,	314.0,	275.8,	-134.5,	-61.8,
33	13.7,	332.7,	236.4,	-104.0,	-60.0,	34	13.7,	341.3,	189.9,	-70.4,	-56.5,
35	13.7,	339.6,	138.4,	-34.6,	-51.2,	36	13.7,	333.6,	101.5,	-5.9,	-45.1,

\*\*\* AERMOD - VERSION 23132 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAS\15639  
 Sprechels\15639 Ops HRA\1 \*\*\* 09/20/24

\*\*\* AERMET - VERSION 21112 \*\*\*  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: IDLE17

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-27.4,	-33.7,	2	13.7,	340.1,	204.2,	-47.9,	-24.6,
3	13.7,	328.4,	248.8,	-67.0,	-14.8,	4	13.7,	306.8,	285.7,	-84.0,	-4.6,
5	13.7,	275.8,	314.0,	-98.4,	5.8,	6	13.7,	236.4,	332.7,	-109.9,	16.0,
7	13.7,	189.9,	341.3,	-118.0,	25.8,	8	13.7,	138.4,	339.6,	-122.6,	35.1,
9	13.7,	101.5,	333.6,	-125.7,	44.6,	10	13.7,	154.2,	341.4,	-137.0,	49.6,
11	13.7,	204.2,	340.1,	-145.4,	54.2,	12	13.7,	248.8,	328.4,	-149.4,	57.4,
13	13.7,	285.7,	306.8,	-148.8,	58.9,	14	13.7,	314.0,	275.8,	-143.7,	58.5,
15	13.7,	332.7,	236.4,	-134.3,	56.4,	16	13.7,	341.3,	189.9,	-120.7,	52.6,
17	13.7,	339.6,	138.4,	-104.3,	47.2,	18	13.7,	333.6,	101.5,	-95.3,	41.1,
19	13.7,	341.4,	154.2,	-126.7,	33.7,	20	13.7,	340.1,	204.2,	-156.3,	24.6,
21	13.7,	328.4,	248.8,	-181.8,	14.8,	22	13.7,	306.8,	285.7,	-201.7,	4.6,
23	13.7,	275.8,	314.0,	-215.5,	-5.8,	24	13.7,	236.4,	332.7,	-222.8,	-16.0,
25	13.7,	189.9,	341.3,	-223.3,	-25.8,	26	13.7,	138.4,	339.6,	-217.0,	-35.1,
27	13.7,	101.5,	333.6,	-207.9,	-44.6,	28	13.7,	154.2,	341.4,	-204.4,	-49.6,
29	13.7,	204.2,	340.1,	-194.7,	-54.2,	30	13.7,	248.8,	328.4,	-179.0,	-57.4,
31	13.7,	285.7,	306.8,	-157.9,	-58.9,	32	13.7,	314.0,	275.8,	-132.1,	-58.5,
33	13.7,	332.7,	236.4,	-102.2,	-56.4,	34	13.7,	341.3,	189.9,	-69.2,	-52.6,
35	13.7,	339.6,	138.4,	-34.1,	-47.2,	36	13.7,	333.6,	101.5,	-6.1,	-41.1,

SOURCE ID: IDLE18

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-28.2,	-29.9,	2	13.7,	340.1,	204.2,	-49.3,	-21.1,
3	13.7,	328.4,	248.8,	-68.9,	-11.5,	4	13.7,	306.8,	285.7,	-86.5,	-1.7,
5	13.7,	275.8,	314.0,	-101.4,	8.2,	6	13.7,	236.4,	332.7,	-113.2,	17.9,
7	13.7,	189.9,	341.3,	-121.6,	27.0,	8	13.7,	138.4,	339.6,	-126.3,	35.7,
9	13.7,	101.5,	333.6,	-129.5,	44.6,	10	13.7,	154.2,	341.4,	-140.8,	48.9,
11	13.7,	204.2,	340.1,	-149.0,	52.8,	12	13.7,	248.8,	328.4,	-152.7,	55.4,
13	13.7,	285.7,	306.8,	-151.7,	56.4,	14	13.7,	314.0,	275.8,	-146.1,	55.6,
15	13.7,	332.7,	236.4,	-136.1,	53.1,	16	13.7,	341.3,	189.9,	-122.0,	49.0,
17	13.7,	339.6,	138.4,	-104.9,	43.4,	18	13.7,	333.6,	101.5,	-95.3,	37.3,
19	13.7,	341.4,	154.2,	-126.0,	29.9,	20	13.7,	340.1,	204.2,	-155.0,	21.1,
21	13.7,	328.4,	248.8,	-179.8,	11.5,	22	13.7,	306.8,	285.7,	-199.2,	1.7,
23	13.7,	275.8,	314.0,	-212.6,	-8.2,	24	13.7,	236.4,	332.7,	-219.5,	-17.9,
25	13.7,	189.9,	341.3,	-219.7,	-27.0,	26	13.7,	138.4,	339.6,	-213.2,	-35.7,
27	13.7,	101.5,	333.6,	-204.1,	-44.6,	28	13.7,	154.2,	341.4,	-200.6,	-48.9,
29	13.7,	204.2,	340.1,	-191.1,	-52.8,	30	13.7,	248.8,	328.4,	-175.7,	-55.4,
31	13.7,	285.7,	306.8,	-155.1,	-56.4,	32	13.7,	314.0,	275.8,	-129.7,	-55.6,

33	13.7,	332.7,	236.4,	-100.3,	-53.1,	34	13.7,	341.3,	189.9,	-67.9,	-49.0,
35	13.7,	339.6,	138.4,	-33.5,	-43.4,	36	13.7,	333.6,	101.5,	-6.2,	-37.3,

SOURCE ID: IDLE19

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-29.0,	-26.0,	2	13.7,	340.1,	204.2,	-50.8,	-17.3,
3	13.7,	328.4,	248.8,	-71.0,	-8.2,	4	13.7,	306.8,	285.7,	-89.1,	1.3,
5	13.7,	275.8,	314.0,	-104.5,	10.7,	6	13.7,	236.4,	332.7,	-116.8,	19.8,
7	13.7,	189.9,	341.3,	-125.4,	28.3,	8	13.7,	138.4,	339.6,	-130.3,	36.3,
9	13.7,	101.5,	333.6,	-133.5,	44.4,	10	13.7,	154.2,	341.4,	-144.7,	48.1,
11	13.7,	204.2,	340.1,	-152.7,	51.3,	12	13.7,	248.8,	328.4,	-156.1,	53.3,
13	13.7,	285.7,	306.8,	-154.7,	53.7,	14	13.7,	314.0,	275.8,	-148.6,	52.4,
15	13.7,	332.7,	236.4,	-138.0,	49.6,	16	13.7,	341.3,	189.9,	-123.2,	45.2,
17	13.7,	339.6,	138.4,	-105.4,	39.5,	18	13.7,	333.6,	101.5,	-95.1,	33.3,
19	13.7,	341.4,	154.2,	-125.2,	26.0,	20	13.7,	340.1,	204.2,	-153.5,	17.3,
21	13.7,	328.4,	248.8,	-177.7,	8.2,	22	13.7,	306.8,	285.7,	-196.6,	-1.3,
23	13.7,	275.8,	314.0,	-209.4,	-10.7,	24	13.7,	236.4,	332.7,	-215.9,	-19.8,
25	13.7,	189.9,	341.3,	-215.9,	-28.3,	26	13.7,	138.4,	339.6,	-209.3,	-36.3,
27	13.7,	101.5,	333.6,	-200.1,	-44.4,	28	13.7,	154.2,	341.4,	-196.7,	-48.1,
29	13.7,	204.2,	340.1,	-187.4,	-51.3,	30	13.7,	248.8,	328.4,	-172.3,	-53.3,
31	13.7,	285.7,	306.8,	-152.1,	-53.7,	32	13.7,	314.0,	275.8,	-127.2,	-52.4,
33	13.7,	332.7,	236.4,	-98.4,	-49.6,	34	13.7,	341.3,	189.9,	-66.7,	-45.2,
35	13.7,	339.6,	138.4,	-32.9,	-39.5,	36	13.7,	333.6,	101.5,	-6.3,	-33.3,

SOURCE ID: IDLE20

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-36.1,	9.1,	2	13.7,	340.1,	204.2,	-63.9,	16.0,
3	13.7,	328.4,	248.8,	-89.8,	22.4,	4	13.7,	306.8,	285.7,	-112.9,	28.2,
5	13.7,	275.8,	314.0,	-132.6,	33.0,	6	13.7,	236.4,	332.7,	-148.3,	36.9,
7	13.7,	189.9,	341.3,	-159.5,	39.7,	8	13.7,	138.4,	339.6,	-165.8,	41.6,
9	13.7,	101.5,	333.6,	-169.4,	43.5,	10	13.7,	154.2,	341.4,	-179.8,	41.0,
11	13.7,	204.2,	340.1,	-186.1,	38.2,	12	13.7,	248.8,	328.4,	-186.7,	34.6,
13	13.7,	285.7,	306.8,	-181.6,	29.9,	14	13.7,	314.0,	275.8,	-170.9,	24.4,
15	13.7,	332.7,	236.4,	-155.1,	18.1,	16	13.7,	341.3,	189.9,	-134.6,	11.2,
17	13.7,	339.6,	138.4,	-110.8,	4.0,	18	13.7,	333.6,	101.5,	-94.2,	-2.6,
19	13.7,	341.4,	154.2,	-118.0,	-9.1,	20	13.7,	340.1,	204.2,	-140.3,	-16.0,
21	13.7,	328.4,	248.8,	-159.0,	-22.4,	22	13.7,	306.8,	285.7,	-172.8,	-28.2,
23	13.7,	275.8,	314.0,	-181.4,	-33.0,	24	13.7,	236.4,	332.7,	-184.4,	-36.9,
25	13.7,	189.9,	341.3,	-181.9,	-39.7,	26	13.7,	138.4,	339.6,	-173.8,	-41.6,
27	13.7,	101.5,	333.6,	-164.2,	-43.5,	28	13.7,	154.2,	341.4,	-161.6,	-41.0,
29	13.7,	204.2,	340.1,	-154.0,	-38.2,	30	13.7,	248.8,	328.4,	-141.8,	-34.6,
31	13.7,	285.7,	306.8,	-125.2,	-29.9,	32	13.7,	314.0,	275.8,	-104.8,	-24.4,
33	13.7,	332.7,	236.4,	-81.3,	-18.1,	34	13.7,	341.3,	189.9,	-55.3,	-11.2,
35	13.7,	339.6,	138.4,	-27.6,	-4.0,	36	13.7,	333.6,	101.5,	-7.2,	2.6,

\*\*\* AERMOD - VERSION 23132 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\15639  
 Spreckels\15639 Ops HRA\1 \*\*\*      09/20/24  
 \*\*\* AERMET - VERSION 21112 \*\*\*  
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\*\*\* MODELOPTs:      RegDFAULT    CONC    ELEV    URBAN    ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: IDLE21

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-37.0,	13.0,	2	13.7,	340.1,	204.2,	-65.4,	19.7,
3	13.7,	328.4,	248.8,	-91.9,	25.8,	4	13.7,	306.8,	285.7,	-115.6,	31.1,
5	13.7,	275.8,	314.0,	-135.7,	35.4,	6	13.7,	236.4,	332.7,	-151.8,	38.7,
7	13.7,	189.9,	341.3,	-163.2,	40.8,	8	13.7,	138.4,	339.6,	-169.7,	42.1,
9	13.7,	101.5,	333.6,	-173.3,	43.3,	10	13.7,	154.2,	341.4,	-183.7,	40.1,
11	13.7,	204.2,	340.1,	-189.7,	36.7,	12	13.7,	248.8,	328.4,	-190.0,	32.5,

13	13.7,	285.7,	306.8,	-184.5,	27.3,	14	13.7,	314.0,	275.8,	-173.3,	21.2,
15	13.7,	332.7,	236.4,	-157.0,	14.6,	16	13.7,	341.3,	189.9,	-135.8,	7.5,
17	13.7,	339.6,	138.4,	-111.3,	0.1,	18	13.7,	333.6,	101.5,	-94.0,	-6.5,
19	13.7,	341.4,	154.2,	-117.2,	-13.0,	20	13.7,	340.1,	204.2,	-138.8,	-19.7,
21	13.7,	328.4,	248.8,	-156.9,	-25.8,	22	13.7,	306.8,	285.7,	-170.1,	-31.1,
23	13.7,	275.8,	314.0,	-178.2,	-35.4,	24	13.7,	236.4,	332.7,	-180.9,	-38.7,
25	13.7,	189.9,	341.3,	-178.1,	-40.8,	26	13.7,	138.4,	339.6,	-169.9,	-42.1,
27	13.7,	101.5,	333.6,	-160.3,	-43.3,	28	13.7,	154.2,	341.4,	-157.7,	-40.1,
29	13.7,	204.2,	340.1,	-150.4,	-36.7,	30	13.7,	248.8,	328.4,	-138.4,	-32.5,
31	13.7,	285.7,	306.8,	-122.3,	-27.3,	32	13.7,	314.0,	275.8,	-102.4,	-21.2,
33	13.7,	332.7,	236.4,	-79.5,	-14.6,	34	13.7,	341.3,	189.9,	-54.1,	-7.5,
35	13.7,	339.6,	138.4,	-27.1,	-0.1,	36	13.7,	333.6,	101.5,	-7.4,	6.5,

SOURCE ID: IDLE22

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-37.8,	16.9,	2	13.7,	340.1,	204.2,	-66.9,	23.4,
3	13.7,	328.4,	248.8,	-94.0,	29.2,	4	13.7,	306.8,	285.7,	-118.2,	34.1,
5	13.7,	275.8,	314.0,	-138.9,	37.9,	6	13.7,	236.4,	332.7,	-155.3,	40.6,
7	13.7,	189.9,	341.3,	-167.0,	42.1,	8	13.7,	138.4,	339.6,	-173.6,	42.7,
9	13.7,	101.5,	333.6,	-177.3,	43.2,	10	13.7,	154.2,	341.4,	-187.6,	39.3,
11	13.7,	204.2,	340.1,	-193.4,	35.2,	12	13.7,	248.8,	328.4,	-193.4,	30.4,
13	13.7,	285.7,	306.8,	-187.5,	24.6,	14	13.7,	314.0,	275.8,	-175.8,	18.1,
15	13.7,	332.7,	236.4,	-158.9,	11.1,	16	13.7,	341.3,	189.9,	-137.1,	3.7,
17	13.7,	339.6,	138.4,	-111.9,	-3.8,	18	13.7,	333.6,	101.5,	-94.0,	-10.5,
19	13.7,	341.4,	154.2,	-116.4,	-16.9,	20	13.7,	340.1,	204.2,	-137.4,	-23.4,
21	13.7,	328.4,	248.8,	-154.8,	-29.2,	22	13.7,	306.8,	285.7,	-167.5,	-34.1,
23	13.7,	275.8,	314.0,	-175.1,	-37.9,	24	13.7,	236.4,	332.7,	-177.4,	-40.6,
25	13.7,	189.9,	341.3,	-174.3,	-42.1,	26	13.7,	138.4,	339.6,	-165.9,	-42.7,
27	13.7,	101.5,	333.6,	-156.3,	-43.2,	28	13.7,	154.2,	341.4,	-153.8,	-39.3,
29	13.7,	204.2,	340.1,	-146.6,	-35.2,	30	13.7,	248.8,	328.4,	-135.0,	-30.4,
31	13.7,	285.7,	306.8,	-119.3,	-24.6,	32	13.7,	314.0,	275.8,	-99.9,	-18.1,
33	13.7,	332.7,	236.4,	-77.6,	-11.1,	34	13.7,	341.3,	189.9,	-52.8,	-3.7,
35	13.7,	339.6,	138.4,	-26.5,	3.8,	36	13.7,	333.6,	101.5,	-7.5,	10.5,

SOURCE ID: IDLE23

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-32.9,	-6.5,	2	13.7,	340.1,	204.2,	-58.0,	1.2,
3	13.7,	328.4,	248.8,	-81.4,	8.9,	4	13.7,	306.8,	285.7,	-102.3,	16.3,
5	13.7,	275.8,	314.0,	-120.1,	23.2,	6	13.7,	236.4,	332.7,	-134.3,	29.4,
7	13.7,	189.9,	341.3,	-144.3,	34.6,	8	13.7,	138.4,	339.6,	-150.0,	39.3,
9	13.7,	101.5,	333.6,	-153.5,	43.9,	10	13.7,	154.2,	341.4,	-164.2,	44.2,
11	13.7,	204.2,	340.1,	-171.3,	44.1,	12	13.7,	248.8,	328.4,	-173.1,	42.9,
13	13.7,	285.7,	306.8,	-169.6,	40.5,	14	13.7,	314.0,	275.8,	-161.1,	36.9,
15	13.7,	332.7,	236.4,	-147.6,	32.1,	16	13.7,	341.3,	189.9,	-129.6,	26.3,
17	13.7,	339.6,	138.4,	-108.4,	19.8,	18	13.7,	333.6,	101.5,	-94.7,	13.3,
19	13.7,	341.4,	154.2,	-121.2,	6.5,	20	13.7,	340.1,	204.2,	-146.2,	-1.2,
21	13.7,	328.4,	248.8,	-167.3,	-8.9,	22	13.7,	306.8,	285.7,	-183.4,	-16.3,
23	13.7,	275.8,	314.0,	-193.8,	-23.2,	24	13.7,	236.4,	332.7,	-198.4,	-29.4,
25	13.7,	189.9,	341.3,	-197.0,	-34.6,	26	13.7,	138.4,	339.6,	-189.6,	-39.3,
27	13.7,	101.5,	333.6,	-180.1,	-44.0,	28	13.7,	154.2,	341.4,	-177.2,	-44.2,
29	13.7,	204.2,	340.1,	-168.8,	-44.1,	30	13.7,	248.8,	328.4,	-155.3,	-42.9,
31	13.7,	285.7,	306.8,	-137.1,	-40.5,	32	13.7,	314.0,	275.8,	-114.7,	-36.9,
33	13.7,	332.7,	236.4,	-88.9,	-32.1,	34	13.7,	341.3,	189.9,	-60.3,	-26.3,
35	13.7,	339.6,	138.4,	-29.9,	-19.8,	36	13.7,	333.6,	101.5,	-6.8,	-13.3,

SOURCE ID: IDLE24

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-33.8,	-2.5,	2	13.7,	340.1,	204.2,	-59.6,	4.9,
3	13.7,	328.4,	248.8,	-83.6,	12.3,	4	13.7,	306.8,	285.7,	-105.1,	19.2,
5	13.7,	275.8,	314.0,	-123.3,	25.6,	6	13.7,	236.4,	332.7,	-137.9,	31.2,
7	13.7,	189.9,	341.3,	-148.2,	35.8,	8	13.7,	138.4,	339.6,	-154.0,	39.8,
9	13.7,	101.5,	333.6,	-157.5,	43.7,	10	13.7,	154.2,	341.4,	-168.2,	43.2,
11	13.7,	204.2,	340.1,	-175.0,	42.5,	12	13.7,	248.8,	328.4,	-176.5,	40.7,



13	13.7,	285.7,	306.8,	-172.6,	37.8,	14	13.7,	314.0,	275.8,	-163.5,	33.6,
15	13.7,	332.7,	236.4,	-149.4,	28.5,	16	13.7,	341.3,	189.9,	-130.8,	22.5,
17	13.7,	339.6,	138.4,	-108.9,	15.8,	18	13.7,	333.6,	101.5,	-94.5,	9.3,
19	13.7,	341.4,	154.2,	-120.3,	2.5,	20	13.7,	340.1,	204.2,	-144.6,	-4.9,
21	13.7,	328.4,	248.8,	-165.1,	-12.3,	22	13.7,	306.8,	285.7,	-180.6,	-19.2,
23	13.7,	275.8,	314.0,	-190.6,	-25.6,	24	13.7,	236.4,	332.7,	-194.8,	-31.2,
25	13.7,	189.9,	341.3,	-193.1,	-35.8,	26	13.7,	138.4,	339.6,	-185.5,	-39.8,
27	13.7,	101.5,	333.6,	-176.1,	-43.7,	28	13.7,	154.2,	341.4,	-173.2,	-43.2,
29	13.7,	204.2,	340.1,	-165.1,	-42.5,	30	13.7,	248.8,	328.4,	-151.9,	-40.7,
31	13.7,	285.7,	306.8,	-134.2,	-37.8,	32	13.7,	314.0,	275.8,	-112.3,	-33.6,
33	13.7,	332.7,	236.4,	-87.0,	-28.5,	34	13.7,	341.3,	189.9,	-59.1,	-22.5,
35	13.7,	339.6,	138.4,	-29.4,	-15.8,	36	13.7,	333.6,	101.5,	-7.0,	-9.3,

\*\*\* AERMOD - VERSION 23132 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\15639  
 Spreckels\15639 Ops HRA\1 \*\*\* 09/20/24  
 \*\*\* AERMET - VERSION 21112 \*\*\*  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: IDLE25

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-34.5,	1.2,	2	13.7,	340.1,	204.2,	-61.0,	8.5,
3	13.7,	328.4,	248.8,	-85.6,	15.6,	4	13.7,	306.8,	285.7,	-107.6,	22.1,
5	13.7,	275.8,	314.0,	-126.3,	28.0,	6	13.7,	236.4,	332.7,	-141.2,	33.0,
7	13.7,	189.9,	341.3,	-151.8,	37.1,	8	13.7,	138.4,	339.6,	-157.8,	40.4,
9	13.7,	101.5,	333.6,	-161.3,	43.7,	10	13.7,	154.2,	341.4,	-171.9,	42.5,
11	13.7,	204.2,	340.1,	-178.5,	41.1,	12	13.7,	248.8,	328.4,	-179.7,	38.8,
13	13.7,	285.7,	306.8,	-175.5,	35.3,	14	13.7,	314.0,	275.8,	-165.9,	30.7,
15	13.7,	332.7,	236.4,	-151.3,	25.2,	16	13.7,	341.3,	189.9,	-132.0,	18.9,
17	13.7,	339.6,	138.4,	-109.5,	12.0,	18	13.7,	333.6,	101.5,	-94.4,	5.5,
19	13.7,	341.4,	154.2,	-119.6,	-1.2,	20	13.7,	340.1,	204.2,	-143.3,	-8.5,
21	13.7,	328.4,	248.8,	-163.2,	-15.6,	22	13.7,	306.8,	285.7,	-178.1,	-22.1,
23	13.7,	275.8,	314.0,	-187.7,	-28.0,	24	13.7,	236.4,	332.7,	-191.5,	-33.0,
25	13.7,	189.9,	341.3,	-189.5,	-37.1,	26	13.7,	138.4,	339.6,	-181.8,	-40.4,
27	13.7,	101.5,	333.6,	-172.3,	-43.7,	28	13.7,	154.2,	341.4,	-169.5,	-42.5,
29	13.7,	204.2,	340.1,	-161.5,	-41.1,	30	13.7,	248.8,	328.4,	-148.7,	-38.8,
31	13.7,	285.7,	306.8,	-131.3,	-35.3,	32	13.7,	314.0,	275.8,	-109.9,	-30.7,
33	13.7,	332.7,	236.4,	-85.2,	-25.2,	34	13.7,	341.3,	189.9,	-57.9,	-18.9,
35	13.7,	339.6,	138.4,	-28.8,	-12.0,	36	13.7,	333.6,	101.5,	-7.0,	-5.5,

SOURCE ID: IDLE26

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-35.4,	5.1,	2	13.7,	340.1,	204.2,	-62.5,	12.2,
3	13.7,	328.4,	248.8,	-87.7,	18.9,	4	13.7,	306.8,	285.7,	-110.2,	25.1,
5	13.7,	275.8,	314.0,	-129.5,	30.5,	6	13.7,	236.4,	332.7,	-144.7,	34.9,
7	13.7,	189.9,	341.3,	-155.6,	38.3,	8	13.7,	138.4,	339.6,	-161.7,	40.9,
9	13.7,	101.5,	333.6,	-165.3,	43.5,	10	13.7,	154.2,	341.4,	-175.8,	41.7,
11	13.7,	204.2,	340.1,	-182.3,	39.6,	12	13.7,	248.8,	328.4,	-183.1,	36.7,
13	13.7,	285.7,	306.8,	-178.5,	32.6,	14	13.7,	314.0,	275.8,	-168.4,	27.5,
15	13.7,	332.7,	236.4,	-153.1,	21.6,	16	13.7,	341.3,	189.9,	-133.3,	15.1,
17	13.7,	339.6,	138.4,	-110.1,	8.0,	18	13.7,	333.6,	101.5,	-94.3,	1.5,
19	13.7,	341.4,	154.2,	-118.8,	-5.1,	20	13.7,	340.1,	204.2,	-141.8,	-12.2,
21	13.7,	328.4,	248.8,	-161.1,	-18.9,	22	13.7,	306.8,	285.7,	-175.5,	-25.1,
23	13.7,	275.8,	314.0,	-184.5,	-30.5,	24	13.7,	236.4,	332.7,	-188.0,	-34.9,
25	13.7,	189.9,	341.3,	-185.7,	-38.3,	26	13.7,	138.4,	339.6,	-177.8,	-40.9,
27	13.7,	101.5,	333.6,	-168.3,	-43.5,	28	13.7,	154.2,	341.4,	-165.6,	-41.7,
29	13.7,	204.2,	340.1,	-157.8,	-39.6,	30	13.7,	248.8,	328.4,	-145.3,	-36.7,
31	13.7,	285.7,	306.8,	-128.3,	-32.6,	32	13.7,	314.0,	275.8,	-107.4,	-27.5,
33	13.7,	332.7,	236.4,	-83.3,	-21.6,	34	13.7,	341.3,	189.9,	-56.6,	-15.1,
35	13.7,	339.6,	138.4,	-28.2,	-8.0,	36	13.7,	333.6,	101.5,	-7.2,	-1.5,

SOURCE ID: IDLE27

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-42.3,	40.0,	2	13.7,	340.1,	204.2,	-75.4,	45.3,
3	13.7,	328.4,	248.8,	-106.2,	49.3,	4	13.7,	306.8,	285.7,	-133.7,	51.8,
5	13.7,	275.8,	314.0,	-157.2,	52.7,	6	13.7,	236.4,	332.7,	-175.9,	52.0,
7	13.7,	189.9,	341.3,	-189.3,	49.7,	8	13.7,	138.4,	339.6,	-196.9,	46.3,
9	13.7,	101.5,	333.6,	-200.8,	42.7,	10	13.7,	154.2,	341.4,	-210.7,	34.7,
11	13.7,	204.2,	340.1,	-215.4,	26.7,	12	13.7,	248.8,	328.4,	-213.5,	18.2,
13	13.7,	285.7,	306.8,	-205.2,	9.1,	14	13.7,	314.0,	275.8,	-190.6,	-0.2,
15	13.7,	332.7,	236.4,	-170.2,	-9.6,	16	13.7,	341.3,	189.9,	-144.6,	-18.6,
17	13.7,	339.6,	138.4,	-115.5,	-27.1,	18	13.7,	333.6,	101.5,	-93.5,	-34.0,
19	13.7,	341.4,	154.2,	-111.8,	-40.0,	20	13.7,	340.1,	204.2,	-128.8,	-45.3,
21	13.7,	328.4,	248.8,	-142.6,	-49.3,	22	13.7,	306.8,	285.7,	-152.0,	-51.8,
23	13.7,	275.8,	314.0,	-156.8,	-52.7,	24	13.7,	236.4,	332.7,	-156.8,	-52.0,
25	13.7,	189.9,	341.3,	-152.0,	-49.7,	26	13.7,	138.4,	339.6,	-142.7,	-46.3,
27	13.7,	101.5,	333.6,	-132.8,	-42.7,	28	13.7,	154.2,	341.4,	-130.7,	-34.7,
29	13.7,	204.2,	340.1,	-124.7,	-26.7,	30	13.7,	248.8,	328.4,	-114.9,	-18.2,
31	13.7,	285.7,	306.8,	-101.6,	-9.1,	32	13.7,	314.0,	275.8,	-85.2,	0.2,
33	13.7,	332.7,	236.4,	-66.2,	9.6,	34	13.7,	341.3,	189.9,	-45.3,	18.6,
35	13.7,	339.6,	138.4,	-22.9,	27.1,	36	13.7,	333.6,	101.5,	-8.0,	34.0,

SOURCE ID: IDLE28

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-43.2,	43.8,	2	13.7,	340.1,	204.2,	-76.9,	49.0,
3	13.7,	328.4,	248.8,	-108.3,	52.6,	4	13.7,	306.8,	285.7,	-136.4,	54.7,
5	13.7,	275.8,	314.0,	-160.3,	55.1,	6	13.7,	236.4,	332.7,	-179.4,	53.8,
7	13.7,	189.9,	341.3,	-193.0,	50.9,	8	13.7,	138.4,	339.6,	-200.8,	46.8,
9	13.7,	101.5,	333.6,	-204.8,	42.5,	10	13.7,	154.2,	341.4,	-214.5,	33.9,
11	13.7,	204.2,	340.1,	-219.0,	25.2,	12	13.7,	248.8,	328.4,	-216.8,	16.1,
13	13.7,	285.7,	306.8,	-208.1,	6.5,	14	13.7,	314.0,	275.8,	-193.0,	-3.4,
15	13.7,	332.7,	236.4,	-172.0,	-13.1,	16	13.7,	341.3,	189.9,	-145.8,	-22.4,
17	13.7,	339.6,	138.4,	-116.0,	-31.0,	18	13.7,	333.6,	101.5,	-93.3,	-38.0,
19	13.7,	341.4,	154.2,	-110.9,	-43.8,	20	13.7,	340.1,	204.2,	-127.3,	-49.0,
21	13.7,	328.4,	248.8,	-140.4,	-52.6,	22	13.7,	306.8,	285.7,	-149.3,	-54.7,
23	13.7,	275.8,	314.0,	-153.6,	-55.1,	24	13.7,	236.4,	332.7,	-153.3,	-53.8,
25	13.7,	189.9,	341.3,	-148.3,	-50.9,	26	13.7,	138.4,	339.6,	-138.8,	-46.8,
27	13.7,	101.5,	333.6,	-128.8,	-42.5,	28	13.7,	154.2,	341.4,	-126.9,	-33.9,
29	13.7,	204.2,	340.1,	-121.1,	-25.2,	30	13.7,	248.8,	328.4,	-111.6,	-16.1,
31	13.7,	285.7,	306.8,	-98.7,	-6.5,	32	13.7,	314.0,	275.8,	-82.8,	3.4,
33	13.7,	332.7,	236.4,	-64.4,	13.1,	34	13.7,	341.3,	189.9,	-44.1,	22.4,
35	13.7,	339.6,	138.4,	-22.4,	31.0,	36	13.7,	333.6,	101.5,	-8.2,	38.0,

\*\*\* AERMOD - VERSION 23132 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\15639  
 Spreckels\15639 Ops HRA\1 \*\*\* 09/20/24  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: IDLE29

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-44.0,	47.8,	2	13.7,	340.1,	204.2,	-78.4,	52.7,
3	13.7,	328.4,	248.8,	-110.4,	56.0,	4	13.7,	306.8,	285.7,	-139.0,	57.7,
5	13.7,	275.8,	314.0,	-163.5,	57.6,	6	13.7,	236.4,	332.7,	-182.9,	55.7,
7	13.7,	189.9,	341.3,	-196.8,	52.1,	8	13.7,	138.4,	339.6,	-204.8,	47.4,
9	13.7,	101.5,	333.6,	-208.8,	42.4,	10	13.7,	154.2,	341.4,	-218.5,	33.1,
11	13.7,	204.2,	340.1,	-222.7,	23.7,	12	13.7,	248.8,	328.4,	-220.2,	14.0,
13	13.7,	285.7,	306.8,	-211.1,	3.8,	14	13.7,	314.0,	275.8,	-195.5,	-6.5,
15	13.7,	332.7,	236.4,	-173.9,	-16.6,	16	13.7,	341.3,	189.9,	-147.1,	-26.2,

17	13.7,	339.6,	138.4,	-116.6,	-35.0,	18	13.7,	333.6,	101.5,	-93.2,	-42.0,
19	13.7,	341.4,	154.2,	-110.2,	-47.8,	20	13.7,	340.1,	204.2,	-125.9,	-52.7,
21	13.7,	328.4,	248.8,	-138.4,	-56.0,	22	13.7,	306.8,	285.7,	-146.7,	-57.7,
23	13.7,	275.8,	314.0,	-150.5,	-57.6,	24	13.7,	236.4,	332.7,	-149.8,	-55.7,
25	13.7,	189.9,	341.3,	-144.5,	-52.1,	26	13.7,	138.4,	339.6,	-134.8,	-47.4,
27	13.7,	101.5,	333.6,	-124.8,	-42.4,	28	13.7,	154.2,	341.4,	-122.9,	-33.1,
29	13.7,	204.2,	340.1,	-117.3,	-23.7,	30	13.7,	248.8,	328.4,	-108.1,	-14.0,
31	13.7,	285.7,	306.8,	-95.7,	-3.8,	32	13.7,	314.0,	275.8,	-80.3,	6.5,
33	13.7,	332.7,	236.4,	-62.5,	16.6,	34	13.7,	341.3,	189.9,	-42.8,	26.2,
35	13.7,	339.6,	138.4,	-21.8,	35.0,	36	13.7,	333.6,	101.5,	-8.3,	42.0,

SOURCE ID: IDLE30

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-39.1,	24.4,	2	13.7,	340.1,	204.2,	-69.5,	30.5,
3	13.7,	328.4,	248.8,	-97.8,	35.7,	4	13.7,	306.8,	285.7,	-123.1,	39.9,
5	13.7,	275.8,	314.0,	-144.7,	42.8,	6	13.7,	236.4,	332.7,	-161.9,	44.4,
7	13.7,	189.9,	341.3,	-174.2,	44.7,	8	13.7,	138.4,	339.6,	-181.1,	44.0,
9	13.7,	101.5,	333.6,	-184.9,	43.2,	10	13.7,	154.2,	341.4,	-195.1,	37.9,
11	13.7,	204.2,	340.1,	-200.6,	32.6,	12	13.7,	248.8,	328.4,	-199.9,	26.6,
13	13.7,	285.7,	306.8,	-193.2,	19.7,	14	13.7,	314.0,	275.8,	-180.7,	12.3,
15	13.7,	332.7,	236.4,	-162.6,	4.5,	16	13.7,	341.3,	189.9,	-139.6,	-3.5,
17	13.7,	339.6,	138.4,	-113.1,	-11.3,	18	13.7,	333.6,	101.5,	-93.9,	-18.1,
19	13.7,	341.4,	154.2,	-115.0,	-24.4,	20	13.7,	340.1,	204.2,	-134.7,	-30.5,
21	13.7,	328.4,	248.8,	-150.9,	-35.7,	22	13.7,	306.8,	285.7,	-162.6,	-39.9,
23	13.7,	275.8,	314.0,	-169.2,	-42.8,	24	13.7,	236.4,	332.7,	-170.8,	-44.4,
25	13.7,	189.9,	341.3,	-167.2,	-44.7,	26	13.7,	138.4,	339.6,	-158.4,	-44.0,
27	13.7,	101.5,	333.6,	-148.7,	-43.2,	28	13.7,	154.2,	341.4,	-146.3,	-37.9,
29	13.7,	204.2,	340.1,	-139.5,	-32.6,	30	13.7,	248.8,	328.4,	-128.5,	-26.6,
31	13.7,	285.7,	306.8,	-113.5,	-19.7,	32	13.7,	314.0,	275.8,	-95.1,	-12.3,
33	13.7,	332.7,	236.4,	-73.8,	-4.5,	34	13.7,	341.3,	189.9,	-50.3,	3.5,
35	13.7,	339.6,	138.4,	-25.2,	11.3,	36	13.7,	333.6,	101.5,	-7.5,	18.1,

SOURCE ID: IDLE31

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-40.1,	28.3,	2	13.7,	340.1,	204.2,	-71.1,	34.2,
3	13.7,	328.4,	248.8,	-100.0,	39.1,	4	13.7,	306.8,	285.7,	-125.9,	42.8,
5	13.7,	275.8,	314.0,	-148.0,	45.2,	6	13.7,	236.4,	332.7,	-165.5,	46.2,
7	13.7,	189.9,	341.3,	-178.0,	45.8,	8	13.7,	138.4,	339.6,	-185.1,	44.4,
9	13.7,	101.5,	333.6,	-188.9,	42.9,	10	13.7,	154.2,	341.4,	-199.0,	37.0,
11	13.7,	204.2,	340.1,	-204.3,	31.0,	12	13.7,	248.8,	328.4,	-203.3,	24.3,
13	13.7,	285.7,	306.8,	-196.2,	16.9,	14	13.7,	314.0,	275.8,	-183.1,	9.0,
15	13.7,	332.7,	236.4,	-164.4,	0.8,	16	13.7,	341.3,	189.9,	-140.8,	-7.4,
17	13.7,	339.6,	138.4,	-113.6,	-15.4,	18	13.7,	333.6,	101.5,	-93.7,	-22.2,
19	13.7,	341.4,	154.2,	-114.1,	-28.3,	20	13.7,	340.1,	204.2,	-133.1,	-34.2,
21	13.7,	328.4,	248.8,	-148.7,	-39.1,	22	13.7,	306.8,	285.7,	-159.8,	-42.8,
23	13.7,	275.8,	314.0,	-166.0,	-45.2,	24	13.7,	236.4,	332.7,	-167.2,	-46.2,
25	13.7,	189.9,	341.3,	-163.3,	-45.8,	26	13.7,	138.4,	339.6,	-154.4,	-44.4,
27	13.7,	101.5,	333.6,	-144.7,	-42.9,	28	13.7,	154.2,	341.4,	-142.4,	-37.0,
29	13.7,	204.2,	340.1,	-135.8,	-31.0,	30	13.7,	248.8,	328.4,	-125.1,	-24.3,
31	13.7,	285.7,	306.8,	-110.6,	-16.9,	32	13.7,	314.0,	275.8,	-92.7,	-9.0,
33	13.7,	332.7,	236.4,	-72.0,	-0.8,	34	13.7,	341.3,	189.9,	-49.1,	7.4,
35	13.7,	339.6,	138.4,	-24.7,	15.4,	36	13.7,	333.6,	101.5,	-7.8,	22.2,

SOURCE ID: IDLE32

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-40.8,	32.1,	2	13.7,	340.1,	204.2,	-72.5,	37.8,
3	13.7,	328.4,	248.8,	-102.0,	42.4,	4	13.7,	306.8,	285.7,	-128.4,	45.7,
5	13.7,	275.8,	314.0,	-150.9,	47.6,	6	13.7,	236.4,	332.7,	-168.8,	48.1,
7	13.7,	189.9,	341.3,	-181.6,	47.1,	8	13.7,	138.4,	339.6,	-188.9,	45.1,
9	13.7,	101.5,	333.6,	-192.8,	42.9,	10	13.7,	154.2,	341.4,	-202.8,	36.3,
11	13.7,	204.2,	340.1,	-207.8,	29.7,	12	13.7,	248.8,	328.4,	-206.6,	22.4,
13	13.7,	285.7,	306.8,	-199.1,	14.5,	14	13.7,	314.0,	275.8,	-185.5,	6.1,
15	13.7,	332.7,	236.4,	-166.3,	-2.5,	16	13.7,	341.3,	189.9,	-142.1,	-11.0,

17	13.7,	339.6,	138.4,	-114.2,	-19.1,	18	13.7,	333.6,	101.5,	-93.6,	-26.0,
19	13.7,	341.4,	154.2,	-113.4,	-32.1,	20	13.7,	340.1,	204.2,	-131.8,	-37.8,
21	13.7,	328.4,	248.8,	-146.8,	-42.4,	22	13.7,	306.8,	285.7,	-157.3,	-45.7,
23	13.7,	275.8,	314.0,	-163.1,	-47.6,	24	13.7,	236.4,	332.7,	-163.9,	-48.1,
25	13.7,	189.9,	341.3,	-159.7,	-47.1,	26	13.7,	138.4,	339.6,	-150.7,	-45.1,
27	13.7,	101.5,	333.6,	-140.8,	-42.9,	28	13.7,	154.2,	341.4,	-138.6,	-36.3,
29	13.7,	204.2,	340.1,	-132.2,	-29.7,	30	13.7,	248.8,	328.4,	-121.8,	-22.4,
31	13.7,	285.7,	306.8,	-107.7,	-14.5,	32	13.7,	314.0,	275.8,	-90.3,	-6.1,
33	13.7,	332.7,	236.4,	-70.1,	2.5,	34	13.7,	341.3,	189.9,	-47.8,	11.0,
35	13.7,	339.6,	138.4,	-24.1,	19.1,	36	13.7,	333.6,	101.5,	-7.8,	26.0,

\*\*\* AERMOD - VERSION 23132 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\15639  
 Spreckels\15639 Ops HRA\1 \*\*\* 09/20/24

\*\*\* AERMET - VERSION 21112 \*\*\*  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: IDLE33

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-41.6,	36.0,	2	13.7,	340.1,	204.2,	-74.0,	41.5,
3	13.7,	328.4,	248.8,	-104.1,	45.8,	4	13.7,	306.8,	285.7,	-131.1,	48.7,
5	13.7,	275.8,	314.0,	-154.0,	50.1,	6	13.7,	236.4,	332.7,	-172.4,	50.0,
7	13.7,	189.9,	341.3,	-185.4,	48.3,	8	13.7,	138.4,	339.6,	-192.9,	45.6,
9	13.7,	101.5,	333.6,	-196.7,	42.8,	10	13.7,	154.2,	341.4,	-206.7,	35.5,
11	13.7,	204.2,	340.1,	-211.5,	28.2,	12	13.7,	248.8,	328.4,	-210.0,	20.3,
13	13.7,	285.7,	306.8,	-202.1,	11.8,	14	13.7,	314.0,	275.8,	-188.0,	2.9,
15	13.7,	332.7,	236.4,	-168.2,	-6.0,	16	13.7,	341.3,	189.9,	-143.3,	-14.8,
17	13.7,	339.6,	138.4,	-114.8,	-23.1,	18	13.7,	333.6,	101.5,	-93.5,	-29.9,
19	13.7,	341.4,	154.2,	-112.6,	-36.0,	20	13.7,	340.1,	204.2,	-130.3,	-41.5,
21	13.7,	328.4,	248.8,	-144.7,	-45.8,	22	13.7,	306.8,	285.7,	-154.6,	-48.7,
23	13.7,	275.8,	314.0,	-159.9,	-50.1,	24	13.7,	236.4,	332.7,	-160.4,	-50.0,
25	13.7,	189.9,	341.3,	-155.9,	-48.3,	26	13.7,	138.4,	339.6,	-146.7,	-45.6,
27	13.7,	101.5,	333.6,	-136.9,	-42.8,	28	13.7,	154.2,	341.4,	-134.7,	-35.5,
29	13.7,	204.2,	340.1,	-128.5,	-28.2,	30	13.7,	248.8,	328.4,	-118.4,	-20.3,
31	13.7,	285.7,	306.8,	-104.7,	-11.8,	32	13.7,	314.0,	275.8,	-87.8,	-2.9,
33	13.7,	332.7,	236.4,	-68.2,	6.0,	34	13.7,	341.3,	189.9,	-46.6,	14.8,
35	13.7,	339.6,	138.4,	-23.6,	23.1,	36	13.7,	333.6,	101.5,	-8.0,	29.9,

SOURCE ID: IDLE34

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-48.8,	71.1,	2	13.7,	340.1,	204.2,	-87.1,	74.9,
3	13.7,	328.4,	248.8,	-122.9,	76.4,	4	13.7,	306.8,	285.7,	-154.9,	75.5,
5	13.7,	275.8,	314.0,	-182.1,	72.4,	6	13.7,	236.4,	332.7,	-203.9,	67.1,
7	13.7,	189.9,	341.3,	-219.5,	59.7,	8	13.7,	138.4,	339.6,	-228.3,	50.9,
9	13.7,	101.5,	333.6,	-232.6,	41.8,	10	13.7,	154.2,	341.4,	-241.8,	28.3,
11	13.7,	204.2,	340.1,	-244.9,	15.0,	12	13.7,	248.8,	328.4,	-240.6,	1.5,
13	13.7,	285.7,	306.8,	-228.9,	-12.0,	14	13.7,	314.0,	275.8,	-210.3,	-25.2,
15	13.7,	332.7,	236.4,	-185.3,	-37.5,	16	13.7,	341.3,	189.9,	-154.7,	-48.8,
17	13.7,	339.6,	138.4,	-120.1,	-58.6,	18	13.7,	333.6,	101.5,	-92.5,	-65.8,
19	13.7,	341.4,	154.2,	-105.4,	-71.1,	20	13.7,	340.1,	204.2,	-117.1,	-74.9,
21	13.7,	328.4,	248.8,	-125.9,	-76.4,	22	13.7,	306.8,	285.7,	-130.9,	-75.5,
23	13.7,	275.8,	314.0,	-131.8,	-72.4,	24	13.7,	236.4,	332.7,	-128.8,	-67.1,
25	13.7,	189.9,	341.3,	-121.9,	-59.7,	26	13.7,	138.4,	339.6,	-111.2,	-50.9,
27	13.7,	101.5,	333.6,	-101.0,	-41.8,	28	13.7,	154.2,	341.4,	-99.6,	-28.3,
29	13.7,	204.2,	340.1,	-95.1,	-15.0,	30	13.7,	248.8,	328.4,	-87.8,	-1.5,
31	13.7,	285.7,	306.8,	-77.8,	12.0,	32	13.7,	314.0,	275.8,	-65.5,	25.2,
33	13.7,	332.7,	236.4,	-51.1,	37.5,	34	13.7,	341.3,	189.9,	-35.2,	48.8,
35	13.7,	339.6,	138.4,	-18.3,	58.6,	36	13.7,	333.6,	101.5,	-8.9,	65.8,

SOURCE ID: IDLE35

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-49.6,	75.0,	2	13.7,	340.1,	204.2,	-88.7,	78.5,
3	13.7,	328.4,	248.8,	-125.0,	79.7,	4	13.7,	306.8,	285.7,	-157.5,	78.4,
5	13.7,	275.8,	314.0,	-185.3,	74.8,	6	13.7,	236.4,	332.7,	-207.4,	68.9,
7	13.7,	189.9,	341.3,	-223.2,	60.9,	8	13.7,	138.4,	339.6,	-232.2,	51.4,
9	13.7,	101.5,	333.6,	-236.6,	41.6,	10	13.7,	154.2,	341.4,	-245.7,	27.4,
11	13.7,	204.2,	340.1,	-248.6,	13.5,	12	13.7,	248.8,	328.4,	-243.9,	-0.6,
13	13.7,	285.7,	306.8,	-231.8,	-14.7,	14	13.7,	314.0,	275.8,	-212.7,	-28.3,
15	13.7,	332.7,	236.4,	-187.1,	-41.0,	16	13.7,	341.3,	189.9,	-155.8,	-52.6,
17	13.7,	339.6,	138.4,	-120.6,	-62.5,	18	13.7,	333.6,	101.5,	-92.3,	-69.8,
19	13.7,	341.4,	154.2,	-104.5,	-75.0,	20	13.7,	340.1,	204.2,	-115.6,	-78.5,
21	13.7,	328.4,	248.8,	-123.8,	-79.7,	22	13.7,	306.8,	285.7,	-128.2,	-78.4,
23	13.7,	275.8,	314.0,	-128.7,	-74.8,	24	13.7,	236.4,	332.7,	-125.3,	-68.9,
25	13.7,	189.9,	341.3,	-118.1,	-60.9,	26	13.7,	138.4,	339.6,	-107.3,	-51.4,
27	13.7,	101.5,	333.6,	-97.0,	-41.6,	28	13.7,	154.2,	341.4,	-95.7,	-27.4,
29	13.7,	204.2,	340.1,	-91.5,	-13.5,	30	13.7,	248.8,	328.4,	-84.5,	0.6,
31	13.7,	285.7,	306.8,	-74.9,	14.7,	32	13.7,	314.0,	275.8,	-63.1,	28.3,
33	13.7,	332.7,	236.4,	-49.3,	41.0,	34	13.7,	341.3,	189.9,	-34.1,	52.6,
35	13.7,	339.6,	138.4,	-17.8,	62.5,	36	13.7,	333.6,	101.5,	-9.1,	69.8,

SOURCE ID: IDLE36

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-50.4,	78.9,	2	13.7,	340.1,	204.2,	-90.1,	82.2,
3	13.7,	328.4,	248.8,	-127.1,	83.1,	4	13.7,	306.8,	285.7,	-160.2,	81.4,
5	13.7,	275.8,	314.0,	-188.4,	77.3,	6	13.7,	236.4,	332.7,	-210.9,	70.8,
7	13.7,	189.9,	341.3,	-227.0,	62.1,	8	13.7,	138.4,	339.6,	-236.2,	52.0,
9	13.7,	101.5,	333.6,	-240.5,	41.5,	10	13.7,	154.2,	341.4,	-249.6,	26.7,
11	13.7,	204.2,	340.1,	-252.3,	12.0,	12	13.7,	248.8,	328.4,	-247.3,	-2.7,
13	13.7,	285.7,	306.8,	-234.8,	-17.3,	14	13.7,	314.0,	275.8,	-215.2,	-31.4,
15	13.7,	332.7,	236.4,	-189.0,	-44.5,	16	13.7,	341.3,	189.9,	-157.1,	-56.3,
17	13.7,	339.6,	138.4,	-121.2,	-66.4,	18	13.7,	333.6,	101.5,	-92.3,	-73.8,
19	13.7,	341.4,	154.2,	-103.7,	-78.9,	20	13.7,	340.1,	204.2,	-114.1,	-82.2,
21	13.7,	328.4,	248.8,	-121.7,	-83.1,	22	13.7,	306.8,	285.7,	-125.5,	-81.4,
23	13.7,	275.8,	314.0,	-125.6,	-77.3,	24	13.7,	236.4,	332.7,	-121.8,	-70.8,
25	13.7,	189.9,	341.3,	-114.3,	-62.1,	26	13.7,	138.4,	339.6,	-103.4,	-52.0,
27	13.7,	101.5,	333.6,	-93.0,	-41.5,	28	13.7,	154.2,	341.4,	-91.8,	-26.7,
29	13.7,	204.2,	340.1,	-87.8,	-12.0,	30	13.7,	248.8,	328.4,	-81.1,	2.7,
31	13.7,	285.7,	306.8,	-71.9,	17.3,	32	13.7,	314.0,	275.8,	-60.6,	31.4,
33	13.7,	332.7,	236.4,	-47.4,	44.5,	34	13.7,	341.3,	189.9,	-32.8,	56.3,
35	13.7,	339.6,	138.4,	-17.2,	66.4,	36	13.7,	333.6,	101.5,	-9.2,	73.8,

\*\*\* AERMOD - VERSION 23132 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAS\15639  
 Spreckels\15639 Ops HRA\1 \*\*\* 09/20/24

\*\*\* AERMET - VERSION 21112 \*\*\*  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: IDLE37

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-45.6,	55.5,	2	13.7,	340.1,	204.2,	-81.3,	60.1,
3	13.7,	328.4,	248.8,	-114.5,	62.8,	4	13.7,	306.8,	285.7,	-144.3,	63.6,
5	13.7,	275.8,	314.0,	-169.7,	62.5,	6	13.7,	236.4,	332.7,	-189.9,	59.5,
7	13.7,	189.9,	341.3,	-204.3,	54.7,	8	13.7,	138.4,	339.6,	-212.6,	48.6,
9	13.7,	101.5,	333.6,	-216.7,	42.2,	10	13.7,	154.2,	341.4,	-226.2,	31.5,
11	13.7,	204.2,	340.1,	-230.1,	20.9,	12	13.7,	248.8,	328.4,	-227.0,	9.9,
13	13.7,	285.7,	306.8,	-217.0,	-1.4,	14	13.7,	314.0,	275.8,	-200.4,	-12.7,
15	13.7,	332.7,	236.4,	-177.7,	-23.5,	16	13.7,	341.3,	189.9,	-149.6,	-33.7,
17	13.7,	339.6,	138.4,	-117.7,	-42.8,	18	13.7,	333.6,	101.5,	-93.0,	-49.9,
19	13.7,	341.4,	154.2,	-108.6,	-55.5,	20	13.7,	340.1,	204.2,	-123.0,	-60.1,

21	13.7,	328.4,	248.8,	-134.2,	-62.8,	22	13.7,	306.8,	285.7,	-141.4,	-63.6,
23	13.7,	275.8,	314.0,	-144.3,	-62.5,	24	13.7,	236.4,	332.7,	-142.8,	-59.5,
25	13.7,	189.9,	341.3,	-137.0,	-54.7,	26	13.7,	138.4,	339.6,	-127.0,	-48.6,
27	13.7,	101.5,	333.6,	-116.9,	-42.2,	28	13.7,	154.2,	341.4,	-115.2,	-31.5,
29	13.7,	204.2,	340.1,	-110.0,	-20.9,	30	13.7,	248.8,	328.4,	-101.4,	-9.9,
31	13.7,	285.7,	306.8,	-89.8,	1.4,	32	13.7,	314.0,	275.8,	-75.4,	12.7,
33	13.7,	332.7,	236.4,	-58.7,	23.5,	34	13.7,	341.3,	189.9,	-40.3,	33.7,
35	13.7,	339.6,	138.4,	-20.6,	42.8,	36	13.7,	333.6,	101.5,	-8.5,	49.9,

SOURCE ID: IDLE38

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-46.5,	59.4,	2	13.7,	340.1,	204.2,	-82.9,	63.8,
3	13.7,	328.4,	248.8,	-116.7,	66.2,	4	13.7,	306.8,	285.7,	-147.0,	66.6,
5	13.7,	275.8,	314.0,	-172.9,	64.9,	6	13.7,	236.4,	332.7,	-193.5,	61.3,
7	13.7,	189.9,	341.3,	-208.2,	55.8,	8	13.7,	138.4,	339.6,	-216.6,	49.0,
9	13.7,	101.5,	333.6,	-220.7,	42.0,	10	13.7,	154.2,	341.4,	-230.2,	30.6,
11	13.7,	204.2,	340.1,	-233.8,	19.3,	12	13.7,	248.8,	328.4,	-230.4,	7.7,
13	13.7,	285.7,	306.8,	-219.9,	-4.2,	14	13.7,	314.0,	275.8,	-202.8,	-15.9,
15	13.7,	332.7,	236.4,	-179.5,	-27.1,	16	13.7,	341.3,	189.9,	-150.8,	-37.5,
17	13.7,	339.6,	138.4,	-118.2,	-46.8,	18	13.7,	333.6,	101.5,	-92.8,	-53.9,
19	13.7,	341.4,	154.2,	-107.7,	-59.4,	20	13.7,	340.1,	204.2,	-121.4,	-63.8,
21	13.7,	328.4,	248.8,	-132.0,	-66.2,	22	13.7,	306.8,	285.7,	-138.7,	-66.6,
23	13.7,	275.8,	314.0,	-141.1,	-64.9,	24	13.7,	236.4,	332.7,	-139.2,	-61.3,
25	13.7,	189.9,	341.3,	-133.1,	-55.8,	26	13.7,	138.4,	339.6,	-123.0,	-49.0,
27	13.7,	101.5,	333.6,	-112.9,	-42.0,	28	13.7,	154.2,	341.4,	-111.3,	-30.6,
29	13.7,	204.2,	340.1,	-106.2,	-19.3,	30	13.7,	248.8,	328.4,	-98.0,	-7.7,
31	13.7,	285.7,	306.8,	-86.8,	4.2,	32	13.7,	314.0,	275.8,	-73.0,	15.9,
33	13.7,	332.7,	236.4,	-56.9,	27.1,	34	13.7,	341.3,	189.9,	-39.1,	37.5,
35	13.7,	339.6,	138.4,	-20.1,	46.8,	36	13.7,	333.6,	101.5,	-8.7,	53.9,

SOURCE ID: IDLE39

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-47.2,	63.2,	2	13.7,	340.1,	204.2,	-84.2,	67.3,
3	13.7,	328.4,	248.8,	-118.7,	69.5,	4	13.7,	306.8,	285.7,	-149.5,	69.5,
5	13.7,	275.8,	314.0,	-175.8,	67.3,	6	13.7,	236.4,	332.7,	-196.8,	63.2,
7	13.7,	189.9,	341.3,	-211.8,	57.1,	8	13.7,	138.4,	339.6,	-220.3,	49.7,
9	13.7,	101.5,	333.6,	-224.5,	42.0,	10	13.7,	154.2,	341.4,	-233.9,	29.9,
11	13.7,	204.2,	340.1,	-237.4,	17.9,	12	13.7,	248.8,	328.4,	-233.7,	5.7,
13	13.7,	285.7,	306.8,	-222.8,	-6.7,	14	13.7,	314.0,	275.8,	-205.2,	-18.8,
15	13.7,	332.7,	236.4,	-181.4,	-30.4,	16	13.7,	341.3,	189.9,	-152.1,	-41.1,
17	13.7,	339.6,	138.4,	-118.8,	-50.6,	18	13.7,	333.6,	101.5,	-92.7,	-57.7,
19	13.7,	341.4,	154.2,	-107.0,	-63.2,	20	13.7,	340.1,	204.2,	-120.0,	-67.3,
21	13.7,	328.4,	248.8,	-130.1,	-69.5,	22	13.7,	306.8,	285.7,	-136.2,	-69.5,
23	13.7,	275.8,	314.0,	-138.1,	-67.3,	24	13.7,	236.4,	332.7,	-135.9,	-63.2,
25	13.7,	189.9,	341.3,	-129.5,	-57.1,	26	13.7,	138.4,	339.6,	-119.2,	-49.7,
27	13.7,	101.5,	333.6,	-109.1,	-42.0,	28	13.7,	154.2,	341.4,	-107.5,	-29.9,
29	13.7,	204.2,	340.1,	-102.7,	-17.9,	30	13.7,	248.8,	328.4,	-94.7,	-5.7,
31	13.7,	285.7,	306.8,	-83.9,	6.7,	32	13.7,	314.0,	275.8,	-70.5,	18.8,
33	13.7,	332.7,	236.4,	-55.0,	30.4,	34	13.7,	341.3,	189.9,	-37.8,	41.1,
35	13.7,	339.6,	138.4,	-19.5,	50.6,	36	13.7,	333.6,	101.5,	-8.7,	57.7,

SOURCE ID: IDLE40

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-48.0,	67.1,	2	13.7,	340.1,	204.2,	-85.7,	71.1,
3	13.7,	328.4,	248.8,	-120.8,	72.8,	4	13.7,	306.8,	285.7,	-152.2,	72.4,
5	13.7,	275.8,	314.0,	-179.0,	69.8,	6	13.7,	236.4,	332.7,	-200.3,	65.1,
7	13.7,	189.9,	341.3,	-215.6,	58.3,	8	13.7,	138.4,	339.6,	-224.3,	50.2,
9	13.7,	101.5,	333.6,	-228.5,	41.8,	10	13.7,	154.2,	341.4,	-237.8,	29.1,
11	13.7,	204.2,	340.1,	-241.1,	16.4,	12	13.7,	248.8,	328.4,	-237.1,	3.6,
13	13.7,	285.7,	306.8,	-225.8,	-9.3,	14	13.7,	314.0,	275.8,	-207.7,	-22.0,
15	13.7,	332.7,	236.4,	-183.3,	-34.0,	16	13.7,	341.3,	189.9,	-153.3,	-44.9,
17	13.7,	339.6,	138.4,	-119.4,	-54.5,	18	13.7,	333.6,	101.5,	-92.6,	-61.7,
19	13.7,	341.4,	154.2,	-106.1,	-67.1,	20	13.7,	340.1,	204.2,	-118.5,	-71.1,

21	13.7,	328.4,	248.8,	-128.0,	-72.8,	22	13.7,	306.8,	285.7,	-133.5,	-72.4,
23	13.7,	275.8,	314.0,	-135.0,	-69.8,	24	13.7,	236.4,	332.7,	-132.4,	-65.1,
25	13.7,	189.9,	341.3,	-125.7,	-58.3,	26	13.7,	138.4,	339.6,	-115.3,	-50.2,
27	13.7,	101.5,	333.6,	-105.1,	-41.8,	28	13.7,	154.2,	341.4,	-103.6,	-29.1,
29	13.7,	204.2,	340.1,	-99.0,	-16.4,	30	13.7,	248.8,	328.4,	-91.3,	-3.6,
31	13.7,	285.7,	306.8,	-80.9,	9.3,	32	13.7,	314.0,	275.8,	-68.1,	22.0,
33	13.7,	332.7,	236.4,	-53.1,	34.0,	34	13.7,	341.3,	189.9,	-36.6,	44.9,
35	13.7,	339.6,	138.4,	-18.9,	54.5,	36	13.7,	333.6,	101.5,	-8.9,	61.7,

\*\*\* AERMOD - VERSION 23132 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\15639  
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\*\*\* AERMET - VERSION 21112 \*\*\*  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: IDLE41

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-55.0,	102.1,	2	13.7,	340.1,	204.2,	-98.7,	104.3,
3	13.7,	328.4,	248.8,	-139.4,	103.4,	4	13.7,	306.8,	285.7,	-175.8,	99.3,
5	13.7,	275.8,	314.0,	-206.9,	92.1,	6	13.7,	236.4,	332.7,	-231.7,	82.2,
7	13.7,	189.9,	341.3,	-249.4,	69.8,	8	13.7,	138.4,	339.6,	-259.6,	55.6,
9	13.7,	101.5,	333.6,	-264.2,	41.0,	10	13.7,	154.2,	341.4,	-272.8,	22.0,
11	13.7,	204.2,	340.1,	-274.4,	3.4,	12	13.7,	248.8,	328.4,	-267.6,	-15.0,
13	13.7,	285.7,	306.8,	-252.6,	-32.9,	14	13.7,	314.0,	275.8,	-230.0,	-49.9,
15	13.7,	332.7,	236.4,	-200.4,	-65.3,	16	13.7,	341.3,	189.9,	-164.7,	-78.8,
17	13.7,	339.6,	138.4,	-124.8,	-89.8,	18	13.7,	333.6,	101.5,	-91.8,	-97.5,
19	13.7,	341.4,	154.2,	-99.1,	-102.1,	20	13.7,	340.1,	204.2,	-105.5,	-104.3,
21	13.7,	328.4,	248.8,	-109.4,	-103.4,	22	13.7,	306.8,	285.7,	-109.9,	-99.3,
23	13.7,	275.8,	314.0,	-107.1,	-92.1,	24	13.7,	236.4,	332.7,	-101.0,	-82.2,
25	13.7,	189.9,	341.3,	-91.9,	-69.8,	26	13.7,	138.4,	339.6,	-79.9,	-55.6,
27	13.7,	101.5,	333.6,	-69.3,	-41.0,	28	13.7,	154.2,	341.4,	-68.6,	-22.0,
29	13.7,	204.2,	340.1,	-65.7,	-3.4,	30	13.7,	248.8,	328.4,	-60.8,	15.0,
31	13.7,	285.7,	306.8,	-54.1,	32.9,	32	13.7,	314.0,	275.8,	-45.8,	49.9,
33	13.7,	332.7,	236.4,	-36.0,	65.3,	34	13.7,	341.3,	189.9,	-25.2,	78.8,
35	13.7,	339.6,	138.4,	-13.6,	89.8,	36	13.7,	333.6,	101.5,	-9.7,	97.5,

SOURCE ID: IDLE42

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-55.9,	106.0,	2	13.7,	340.1,	204.2,	-100.2,	108.0,
3	13.7,	328.4,	248.8,	-141.5,	106.7,	4	13.7,	306.8,	285.7,	-178.5,	102.2,
5	13.7,	275.8,	314.0,	-210.0,	94.5,	6	13.7,	236.4,	332.7,	-235.2,	84.0,
7	13.7,	189.9,	341.3,	-253.2,	71.0,	8	13.7,	138.4,	339.6,	-263.6,	56.1,
9	13.7,	101.5,	333.6,	-268.2,	40.8,	10	13.7,	154.2,	341.4,	-276.7,	21.2,
11	13.7,	204.2,	340.1,	-278.0,	1.9,	12	13.7,	248.8,	328.4,	-270.9,	-17.1,
13	13.7,	285.7,	306.8,	-255.5,	-35.6,	14	13.7,	314.0,	275.8,	-232.4,	-53.0,
15	13.7,	332.7,	236.4,	-202.2,	-68.8,	16	13.7,	341.3,	189.9,	-165.9,	-82.6,
17	13.7,	339.6,	138.4,	-125.3,	-93.8,	18	13.7,	333.6,	101.5,	-91.6,	-101.4,
19	13.7,	341.4,	154.2,	-98.3,	-106.0,	20	13.7,	340.1,	204.2,	-104.0,	-108.0,
21	13.7,	328.4,	248.8,	-107.3,	-106.7,	22	13.7,	306.8,	285.7,	-107.2,	-102.2,
23	13.7,	275.8,	314.0,	-104.0,	-94.5,	24	13.7,	236.4,	332.7,	-97.5,	-84.0,
25	13.7,	189.9,	341.3,	-88.1,	-71.0,	26	13.7,	138.4,	339.6,	-76.0,	-56.1,
27	13.7,	101.5,	333.6,	-65.4,	-40.8,	28	13.7,	154.2,	341.4,	-64.7,	-21.2,
29	13.7,	204.2,	340.1,	-62.0,	-1.9,	30	13.7,	248.8,	328.4,	-57.5,	17.1,
31	13.7,	285.7,	306.8,	-51.2,	35.6,	32	13.7,	314.0,	275.8,	-43.4,	53.0,
33	13.7,	332.7,	236.4,	-34.2,	68.8,	34	13.7,	341.3,	189.9,	-24.0,	82.6,
35	13.7,	339.6,	138.4,	-13.1,	93.8,	36	13.7,	333.6,	101.5,	-9.9,	101.4,

SOURCE ID: IDLE43

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
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1	13.7,	341.4,	154.2,	-51.8,	86.5,	2	13.7,	340.1,	204.2,	-92.8,	89.5,
3	13.7,	328.4,	248.8,	-131.0,	89.8,	4	13.7,	306.8,	285.7,	-165.2,	87.3,
5	13.7,	275.8,	314.0,	-194.4,	82.2,	6	13.7,	236.4,	332.7,	-217.7,	74.6,
7	13.7,	189.9,	341.3,	-234.3,	64.8,	8	13.7,	138.4,	339.6,	-243.9,	53.3,
9	13.7,	101.5,	333.6,	-248.3,	41.5,	10	13.7,	154.2,	341.4,	-257.2,	25.2,
11	13.7,	204.2,	340.1,	-259.6,	9.3,	12	13.7,	248.8,	328.4,	-254.0,	-6.6,
13	13.7,	285.7,	306.8,	-240.7,	-22.4,	14	13.7,	314.0,	275.8,	-220.1,	-37.4,
15	13.7,	332.7,	236.4,	-192.9,	-51.3,	16	13.7,	341.3,	189.9,	-159.7,	-63.7,
17	13.7,	339.6,	138.4,	-122.5,	-74.1,	18	13.7,	333.6,	101.5,	-92.2,	-81.5,
19	13.7,	341.4,	154.2,	-102.3,	-86.5,	20	13.7,	340.1,	204.2,	-111.4,	-89.5,
21	13.7,	328.4,	248.8,	-117.7,	-89.8,	22	13.7,	306.8,	285.7,	-120.5,	-87.3,
23	13.7,	275.8,	314.0,	-119.6,	-82.2,	24	13.7,	236.4,	332.7,	-115.0,	-74.6,
25	13.7,	189.9,	341.3,	-107.0,	-64.8,	26	13.7,	138.4,	339.6,	-95.7,	-53.3,
27	13.7,	101.5,	333.6,	-85.3,	-41.5,	28	13.7,	154.2,	341.4,	-84.2,	-25.2,
29	13.7,	204.2,	340.1,	-80.5,	-9.3,	30	13.7,	248.8,	328.4,	-74.4,	6.6,
31	13.7,	285.7,	306.8,	-66.0,	22.4,	32	13.7,	314.0,	275.8,	-55.6,	37.4,
33	13.7,	332.7,	236.4,	-43.6,	51.3,	34	13.7,	341.3,	189.9,	-30.2,	63.7,
35	13.7,	339.6,	138.4,	-15.9,	74.1,	36	13.7,	333.6,	101.5,	-9.2,	81.5,

SOURCE ID: IDLE44

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-52.7,	90.5,	2	13.7,	340.1,	204.2,	-94.4,	93.2,
3	13.7,	328.4,	248.8,	-133.2,	93.2,	4	13.7,	306.8,	285.7,	-168.0,	90.3,
5	13.7,	275.8,	314.0,	-197.6,	84.7,	6	13.7,	236.4,	332.7,	-221.3,	76.5,
7	13.7,	189.9,	341.3,	-238.2,	65.9,	8	13.7,	138.4,	339.6,	-247.9,	53.8,
9	13.7,	101.5,	333.6,	-252.4,	41.2,	10	13.7,	154.2,	341.4,	-261.2,	24.3,
11	13.7,	204.2,	340.1,	-263.3,	7.7,	12	13.7,	248.8,	328.4,	-257.4,	-8.8,
13	13.7,	285.7,	306.8,	-243.7,	-25.1,	14	13.7,	314.0,	275.8,	-222.6,	-40.6,
15	13.7,	332.7,	236.4,	-194.7,	-54.9,	16	13.7,	341.3,	189.9,	-160.9,	-67.5,
17	13.7,	339.6,	138.4,	-123.0,	-78.1,	18	13.7,	333.6,	101.5,	-92.0,	-85.6,
19	13.7,	341.4,	154.2,	-101.4,	-90.5,	20	13.7,	340.1,	204.2,	-109.8,	-93.2,
21	13.7,	328.4,	248.8,	-115.5,	-93.2,	22	13.7,	306.8,	285.7,	-117.7,	-90.3,
23	13.7,	275.8,	314.0,	-116.3,	-84.7,	24	13.7,	236.4,	332.7,	-111.4,	-76.5,
25	13.7,	189.9,	341.3,	-103.1,	-65.9,	26	13.7,	138.4,	339.6,	-91.7,	-53.8,
27	13.7,	101.5,	333.6,	-81.2,	-41.2,	28	13.7,	154.2,	341.4,	-80.2,	-24.3,
29	13.7,	204.2,	340.1,	-76.8,	-7.7,	30	13.7,	248.8,	328.4,	-71.0,	8.8,
31	13.7,	285.7,	306.8,	-63.1,	25.1,	32	13.7,	314.0,	275.8,	-53.2,	40.6,
33	13.7,	332.7,	236.4,	-41.8,	54.9,	34	13.7,	341.3,	189.9,	-29.0,	67.5,
35	13.7,	339.6,	138.4,	-15.4,	78.1,	36	13.7,	333.6,	101.5,	-9.5,	85.6,

\*\*\* AERMOD - VERSION 23132 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\15639 Sprechels\15639 Ops HRA\1 \*\*\* 09/20/24

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: IDLE45

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-53.4,	94.2,	2	13.7,	340.1,	204.2,	-95.8,	96.8,
3	13.7,	328.4,	248.8,	-135.2,	96.5,	4	13.7,	306.8,	285.7,	-170.5,	93.2,
5	13.7,	275.8,	314.0,	-200.6,	87.1,	6	13.7,	236.4,	332.7,	-224.6,	78.3,
7	13.7,	189.9,	341.3,	-241.8,	67.2,	8	13.7,	138.4,	339.6,	-251.6,	54.4,
9	13.7,	101.5,	333.6,	-256.2,	41.2,	10	13.7,	154.2,	341.4,	-264.9,	23.6,
11	13.7,	204.2,	340.1,	-266.8,	6.4,	12	13.7,	248.8,	328.4,	-260.7,	-10.8,
13	13.7,	285.7,	306.8,	-246.6,	-27.6,	14	13.7,	314.0,	275.8,	-225.0,	-43.6,
15	13.7,	332.7,	236.4,	-196.5,	-58.2,	16	13.7,	341.3,	189.9,	-162.1,	-71.1,
17	13.7,	339.6,	138.4,	-123.6,	-81.8,	18	13.7,	333.6,	101.5,	-91.9,	-89.4,
19	13.7,	341.4,	154.2,	-100.7,	-94.2,	20	13.7,	340.1,	204.2,	-108.5,	-96.8,
21	13.7,	328.4,	248.8,	-113.6,	-96.5,	22	13.7,	306.8,	285.7,	-115.2,	-93.2,
23	13.7,	275.8,	314.0,	-113.4,	-87.1,	24	13.7,	236.4,	332.7,	-108.1,	-78.3,



25	13.7,	189.9,	341.3,	-99.5,	-67.2,	26	13.7,	138.4,	339.6,	-87.9,	-54.4,
27	13.7,	101.5,	333.6,	-77.4,	-41.2,	28	13.7,	154.2,	341.4,	-76.5,	-23.6,
29	13.7,	204.2,	340.1,	-73.2,	-6.4,	30	13.7,	248.8,	328.4,	-67.7,	10.8,
31	13.7,	285.7,	306.8,	-60.2,	27.6,	32	13.7,	314.0,	275.8,	-50.8,	43.6,
33	13.7,	332.7,	236.4,	-39.9,	58.2,	34	13.7,	341.3,	189.9,	-27.8,	71.1,
35	13.7,	339.6,	138.4,	-14.8,	81.9,	36	13.7,	333.6,	101.5,	-9.5,	89.4,

SOURCE ID: IDLE46

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-54.3,	98.1,	2	13.7,	340.1,	204.2,	-97.2,	100.5,
3	13.7,	328.4,	248.8,	-137.3,	99.9,	4	13.7,	306.8,	285.7,	-173.1,	96.2,
5	13.7,	275.8,	314.0,	-203.7,	89.5,	6	13.7,	236.4,	332.7,	-228.1,	80.2,
7	13.7,	189.9,	341.3,	-245.6,	68.4,	8	13.7,	138.4,	339.6,	-255.6,	55.0,
9	13.7,	101.5,	333.6,	-260.2,	41.1,	10	13.7,	154.2,	341.4,	-268.8,	22.8,
11	13.7,	204.2,	340.1,	-270.6,	4.9,	12	13.7,	248.8,	328.4,	-264.1,	-12.9,
13	13.7,	285.7,	306.8,	-249.5,	-30.3,	14	13.7,	314.0,	275.8,	-227.4,	-46.7,
15	13.7,	332.7,	236.4,	-198.4,	-61.8,	16	13.7,	341.3,	189.9,	-163.4,	-74.9,
17	13.7,	339.6,	138.4,	-124.1,	-85.8,	18	13.7,	333.6,	101.5,	-91.8,	-93.4,
19	13.7,	341.4,	154.2,	-99.9,	-98.1,	20	13.7,	340.1,	204.2,	-107.0,	-100.5,
21	13.7,	328.4,	248.8,	-111.5,	-99.9,	22	13.7,	306.8,	285.7,	-112.6,	-96.2,
23	13.7,	275.8,	314.0,	-110.2,	-89.5,	24	13.7,	236.4,	332.7,	-104.6,	-80.2,
25	13.7,	189.9,	341.3,	-95.7,	-68.4,	26	13.7,	138.4,	339.6,	-84.0,	-55.0,
27	13.7,	101.5,	333.6,	-73.4,	-41.1,	28	13.7,	154.2,	341.4,	-72.6,	-22.8,
29	13.7,	204.2,	340.1,	-69.5,	-4.9,	30	13.7,	248.8,	328.4,	-64.3,	12.9,
31	13.7,	285.7,	306.8,	-57.2,	30.3,	32	13.7,	314.0,	275.8,	-48.3,	46.7,
33	13.7,	332.7,	236.4,	-38.0,	61.8,	34	13.7,	341.3,	189.9,	-26.5,	74.9,
35	13.7,	339.6,	138.4,	-14.2,	85.8,	36	13.7,	333.6,	101.5,	-9.7,	93.4,

SOURCE ID: TRU1

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-18.2,	-92.3,	2	13.7,	340.1,	204.2,	-28.7,	-80.8,
3	13.7,	328.4,	248.8,	-38.3,	-66.8,	4	13.7,	306.8,	285.7,	-46.7,	-50.7,
5	13.7,	275.8,	314.0,	-53.7,	-33.2,	6	13.7,	236.4,	332.7,	-59.1,	-14.6,
7	13.7,	189.9,	341.3,	-62.7,	4.4,	8	13.7,	138.4,	339.6,	-64.3,	23.7,
9	13.7,	101.5,	333.6,	-66.4,	43.5,	10	13.7,	154.2,	341.4,	-78.4,	58.8,
11	13.7,	204.2,	340.1,	-89.3,	73.4,	12	13.7,	248.8,	328.4,	-97.5,	86.1,
13	13.7,	285.7,	306.8,	-102.6,	96.1,	14	13.7,	314.0,	275.8,	-104.7,	103.3,
15	13.7,	332.7,	236.4,	-103.6,	107.3,	16	13.7,	341.3,	189.9,	-99.4,	108.0,
17	13.7,	339.6,	138.4,	-92.9,	105.5,	18	13.7,	333.6,	101.5,	-94.2,	100.4,
19	13.7,	341.4,	154.2,	-135.9,	92.3,	20	13.7,	340.1,	204.2,	-175.6,	80.8,
21	13.7,	328.4,	248.8,	-210.5,	66.8,	22	13.7,	306.8,	285.7,	-239.0,	50.7,
23	13.7,	275.8,	314.0,	-260.3,	33.2,	24	13.7,	236.4,	332.7,	-273.6,	14.6,
25	13.7,	189.9,	341.3,	-278.7,	-4.4,	26	13.7,	138.4,	339.6,	-275.2,	-23.7,
27	13.7,	101.5,	333.6,	-267.2,	-43.5,	28	13.7,	154.2,	341.4,	-263.0,	-58.8,
29	13.7,	204.2,	340.1,	-250.8,	-73.4,	30	13.7,	248.8,	328.4,	-231.0,	-86.1,
31	13.7,	285.7,	306.8,	-204.1,	-96.1,	32	13.7,	314.0,	275.8,	-171.1,	-103.3,
33	13.7,	332.7,	236.4,	-132.8,	-107.3,	34	13.7,	341.3,	189.9,	-90.5,	-108.0,
35	13.7,	339.6,	138.4,	-45.5,	-105.5,	36	13.7,	333.6,	101.5,	-7.2,	-100.4,

SOURCE ID: TRU2

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-18.9,	-88.4,	2	13.7,	340.1,	204.2,	-30.0,	-77.0,
3	13.7,	328.4,	248.8,	-40.2,	-63.3,	4	13.7,	306.8,	285.7,	-49.2,	-47.6,
5	13.7,	275.8,	314.0,	-56.7,	-30.6,	6	13.7,	236.4,	332.7,	-62.5,	-12.6,
7	13.7,	189.9,	341.3,	-66.4,	5.8,	8	13.7,	138.4,	339.6,	-68.2,	24.4,
9	13.7,	101.5,	333.6,	-70.3,	43.5,	10	13.7,	154.2,	341.4,	-82.3,	58.2,
11	13.7,	204.2,	340.1,	-93.0,	72.1,	12	13.7,	248.8,	328.4,	-100.9,	84.1,
13	13.7,	285.7,	306.8,	-105.7,	93.6,	14	13.7,	314.0,	275.8,	-107.3,	100.2,
15	13.7,	332.7,	236.4,	-105.7,	103.8,	16	13.7,	341.3,	189.9,	-100.8,	104.3,
17	13.7,	339.6,	138.4,	-93.6,	101.5,	18	13.7,	333.6,	101.5,	-94.3,	96.4,
19	13.7,	341.4,	154.2,	-135.3,	88.4,	20	13.7,	340.1,	204.2,	-174.2,	77.0,
21	13.7,	328.4,	248.8,	-208.5,	63.3,	22	13.7,	306.8,	285.7,	-236.5,	47.6,
23	13.7,	275.8,	314.0,	-257.2,	30.6,	24	13.7,	236.4,	332.7,	-270.2,	12.6,

25	13.7,	189.9,	341.3,	-274.9,	-5.8,	26	13.7,	138.4,	339.6,	-271.3,	-24.4,
27	13.7,	101.5,	333.6,	-263.2,	-43.5,	28	13.7,	154.2,	341.4,	-259.1,	-58.2,
29	13.7,	204.2,	340.1,	-247.0,	-72.1,	30	13.7,	248.8,	328.4,	-227.5,	-84.1,
31	13.7,	285.7,	306.8,	-201.0,	-93.6,	32	13.7,	314.0,	275.8,	-168.5,	-100.2,
33	13.7,	332.7,	236.4,	-130.8,	-103.8,	34	13.7,	341.3,	189.9,	-89.1,	-104.3,
35	13.7,	339.6,	138.4,	-44.8,	-101.5,	36	13.7,	333.6,	101.5,	-7.2,	-96.4,

\*\*\* AERMOD - VERSION 23132 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\15639  
 Spreckels\15639 Ops HRA\1 \*\*\*      09/20/24

\*\*\* AERMET - VERSION 21112 \*\*\*  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: TRU3

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-19.7,	-84.5,	2	13.7,	340.1,	204.2,	-31.5,	-73.4,
3	13.7,	328.4,	248.8,	-42.3,	-60.0,	4	13.7,	306.8,	285.7,	-51.8,	-44.7,
5	13.7,	275.8,	314.0,	-59.8,	-28.2,	6	13.7,	236.4,	332.7,	-66.0,	-10.7,
7	13.7,	189.9,	341.3,	-70.1,	7.1,	8	13.7,	138.4,	339.6,	-72.1,	25.0,
9	13.7,	101.5,	333.6,	-74.3,	43.4,	10	13.7,	154.2,	341.4,	-86.2,	57.4,
11	13.7,	204.2,	340.1,	-96.7,	70.7,	12	13.7,	248.8,	328.4,	-104.2,	82.1,
13	13.7,	285.7,	306.8,	-108.6,	91.0,	14	13.7,	314.0,	275.8,	-109.7,	97.2,
15	13.7,	332.7,	236.4,	-107.5,	100.4,	16	13.7,	341.3,	189.9,	-102.0,	100.6,
17	13.7,	339.6,	138.4,	-94.2,	97.7,	18	13.7,	333.6,	101.5,	-94.1,	92.5,
19	13.7,	341.4,	154.2,	-134.5,	84.5,	20	13.7,	340.1,	204.2,	-172.8,	73.4,
21	13.7,	328.4,	248.8,	-206.5,	60.0,	22	13.7,	306.8,	285.7,	-233.9,	44.7,
23	13.7,	275.8,	314.0,	-254.2,	28.2,	24	13.7,	236.4,	332.7,	-266.7,	10.7,
25	13.7,	189.9,	341.3,	-271.2,	-7.1,	26	13.7,	138.4,	339.6,	-267.4,	-25.0,
27	13.7,	101.5,	333.6,	-259.3,	-43.4,	28	13.7,	154.2,	341.4,	-255.2,	-57.4,
29	13.7,	204.2,	340.1,	-243.4,	-70.7,	30	13.7,	248.8,	328.4,	-224.2,	-82.1,
31	13.7,	285.7,	306.8,	-198.1,	-91.0,	32	13.7,	314.0,	275.8,	-166.0,	-97.2,
33	13.7,	332.7,	236.4,	-128.9,	-100.4,	34	13.7,	341.3,	189.9,	-87.9,	-100.6,
35	13.7,	339.6,	138.4,	-44.2,	-97.7,	36	13.7,	333.6,	101.5,	-7.3,	-92.5,

SOURCE ID: TRU4

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-20.4,	-80.8,	2	13.7,	340.1,	204.2,	-32.9,	-69.8,
3	13.7,	328.4,	248.8,	-44.3,	-56.7,	4	13.7,	306.8,	285.7,	-54.4,	-41.8,
5	13.7,	275.8,	314.0,	-62.8,	-25.7,	6	13.7,	236.4,	332.7,	-69.3,	-8.9,
7	13.7,	189.9,	341.3,	-73.8,	8.3,	8	13.7,	138.4,	339.6,	-75.9,	25.6,
9	13.7,	101.5,	333.6,	-78.1,	43.3,	10	13.7,	154.2,	341.4,	-90.0,	56.6,
11	13.7,	204.2,	340.1,	-100.3,	69.3,	12	13.7,	248.8,	328.4,	-107.5,	80.1,
13	13.7,	285.7,	306.8,	-111.5,	88.5,	14	13.7,	314.0,	275.8,	-112.2,	94.2,
15	13.7,	332.7,	236.4,	-109.4,	97.0,	16	13.7,	341.3,	189.9,	-103.2,	96.9,
17	13.7,	339.6,	138.4,	-94.8,	93.8,	18	13.7,	333.6,	101.5,	-94.1,	88.7,
19	13.7,	341.4,	154.2,	-133.7,	80.8,	20	13.7,	340.1,	204.2,	-171.4,	69.8,
21	13.7,	328.4,	248.8,	-204.5,	56.7,	22	13.7,	306.8,	285.7,	-231.3,	41.8,
23	13.7,	275.8,	314.0,	-251.2,	25.7,	24	13.7,	236.4,	332.7,	-263.4,	8.9,
25	13.7,	189.9,	341.3,	-267.6,	-8.3,	26	13.7,	138.4,	339.6,	-263.6,	-25.6,
27	13.7,	101.5,	333.6,	-255.5,	-43.3,	28	13.7,	154.2,	341.4,	-251.5,	-56.6,
29	13.7,	204.2,	340.1,	-239.8,	-69.3,	30	13.7,	248.8,	328.4,	-220.9,	-80.1,
31	13.7,	285.7,	306.8,	-195.2,	-88.5,	32	13.7,	314.0,	275.8,	-163.6,	-94.2,
33	13.7,	332.7,	236.4,	-127.1,	-97.0,	34	13.7,	341.3,	189.9,	-86.6,	-96.9,
35	13.7,	339.6,	138.4,	-43.6,	-93.8,	36	13.7,	333.6,	101.5,	-7.4,	-88.7,

SOURCE ID: TRU5

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-21.2,	-76.8,	2	13.7,	340.1,	204.2,	-34.3,	-66.1,
3	13.7,	328.4,	248.8,	-46.4,	-53.3,	4	13.7,	306.8,	285.7,	-57.0,	-38.8,

5	13.7,	275.8,	314.0,	-65.9,	-23.3,	6	13.7,	236.4,	332.7,	-72.8,	-7.0,
7	13.7,	189.9,	341.3,	-77.5,	9.6,	8	13.7,	138.4,	339.6,	-79.9,	26.2,
9	13.7,	101.5,	333.6,	-82.1,	43.2,	10	13.7,	154.2,	341.4,	-93.8,	55.8,
11	13.7,	204.2,	340.1,	-104.0,	67.8,	12	13.7,	248.8,	328.4,	-110.9,	78.0,
13	13.7,	285.7,	306.8,	-114.5,	85.8,	14	13.7,	314.0,	275.8,	-114.6,	91.0,
15	13.7,	332.7,	236.4,	-111.2,	93.5,	16	13.7,	341.3,	189.9,	-104.5,	93.1,
17	13.7,	339.6,	138.4,	-95.3,	89.9,	18	13.7,	333.6,	101.5,	-94.0,	84.7,
19	13.7,	341.4,	154.2,	-132.9,	76.8,	20	13.7,	340.1,	204.2,	-169.9,	66.1,
21	13.7,	328.4,	248.8,	-202.4,	53.3,	22	13.7,	306.8,	285.7,	-228.7,	38.8,
23	13.7,	275.8,	314.0,	-248.0,	23.3,	24	13.7,	236.4,	332.7,	-259.9,	7.0,
25	13.7,	189.9,	341.3,	-263.8,	-9.6,	26	13.7,	138.4,	339.6,	-259.7,	-26.2,
27	13.7,	101.5,	333.6,	-251.5,	-43.2,	28	13.7,	154.2,	341.4,	-247.6,	-55.8,
29	13.7,	204.2,	340.1,	-236.1,	-67.8,	30	13.7,	248.8,	328.4,	-217.5,	-78.0,
31	13.7,	285.7,	306.8,	-192.2,	-85.8,	32	13.7,	314.0,	275.8,	-161.2,	-91.0,
33	13.7,	332.7,	236.4,	-125.2,	-93.5,	34	13.7,	341.3,	189.9,	-85.4,	-93.1,
35	13.7,	339.6,	138.4,	-43.0,	-89.9,	36	13.7,	333.6,	101.5,	-7.5,	-84.7,

SOURCE ID: TRU6

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-22.9,	-69.1,	2	13.7,	340.1,	204.2,	-37.3,	-58.7,
3	13.7,	328.4,	248.8,	-50.6,	-46.5,	4	13.7,	306.8,	285.7,	-62.3,	-33.0,
5	13.7,	275.8,	314.0,	-72.2,	-18.4,	6	13.7,	236.4,	332.7,	-79.9,	-3.2,
7	13.7,	189.9,	341.3,	-85.1,	12.0,	8	13.7,	138.4,	339.6,	-87.7,	27.2,
9	13.7,	101.5,	333.6,	-90.0,	42.9,	10	13.7,	154.2,	341.4,	-101.6,	54.2,
11	13.7,	204.2,	340.1,	-111.3,	64.8,	12	13.7,	248.8,	328.4,	-117.7,	73.8,
13	13.7,	285.7,	306.8,	-120.4,	80.5,	14	13.7,	314.0,	275.8,	-119.5,	84.8,
15	13.7,	332.7,	236.4,	-115.0,	86.5,	16	13.7,	341.3,	189.9,	-106.9,	85.6,
17	13.7,	339.6,	138.4,	-96.4,	82.0,	18	13.7,	333.6,	101.5,	-93.7,	76.8,
19	13.7,	341.4,	154.2,	-131.2,	69.1,	20	13.7,	340.1,	204.2,	-166.9,	58.7,
21	13.7,	328.4,	248.8,	-198.2,	46.5,	22	13.7,	306.8,	285.7,	-223.4,	33.0,
23	13.7,	275.8,	314.0,	-241.8,	18.4,	24	13.7,	236.4,	332.7,	-252.8,	3.2,
25	13.7,	189.9,	341.3,	-256.2,	-12.0,	26	13.7,	138.4,	339.6,	-251.8,	-27.2,
27	13.7,	101.5,	333.6,	-243.6,	-42.9,	28	13.7,	154.2,	341.4,	-239.8,	-54.2,
29	13.7,	204.2,	340.1,	-228.7,	-64.8,	30	13.7,	248.8,	328.4,	-210.7,	-73.8,
31	13.7,	285.7,	306.8,	-186.3,	-80.5,	32	13.7,	314.0,	275.8,	-156.3,	-84.8,
33	13.7,	332.7,	236.4,	-121.5,	-86.5,	34	13.7,	341.3,	189.9,	-83.0,	-85.6,
35	13.7,	339.6,	138.4,	-41.9,	-82.0,	36	13.7,	333.6,	101.5,	-7.8,	-76.8,

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\*\*\* MODELOPTs:      RegDEFAULT    CONC    ELEV    URBAN    ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: TRU7

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-23.6,	-65.2,	2	13.7,	340.1,	204.2,	-38.6,	-54.9,
3	13.7,	328.4,	248.8,	-52.6,	-43.1,	4	13.7,	306.8,	285.7,	-64.9,	-29.9,
5	13.7,	275.8,	314.0,	-75.2,	-15.8,	6	13.7,	236.4,	332.7,	-83.3,	-1.2,
7	13.7,	189.9,	341.3,	-88.8,	13.4,	8	13.7,	138.4,	339.6,	-91.6,	28.0,
9	13.7,	101.5,	333.6,	-94.0,	43.0,	10	13.7,	154.2,	341.4,	-105.5,	53.5,
11	13.7,	204.2,	340.1,	-115.1,	63.5,	12	13.7,	248.8,	328.4,	-121.1,	71.8,
13	13.7,	285.7,	306.8,	-123.5,	78.0,	14	13.7,	314.0,	275.8,	-122.1,	81.8,
15	13.7,	332.7,	236.4,	-117.0,	83.1,	16	13.7,	341.3,	189.9,	-108.3,	81.8,
17	13.7,	339.6,	138.4,	-97.1,	78.1,	18	13.7,	333.6,	101.5,	-93.7,	72.8,
19	13.7,	341.4,	154.2,	-130.6,	65.2,	20	13.7,	340.1,	204.2,	-165.6,	54.9,
21	13.7,	328.4,	248.8,	-196.2,	43.1,	22	13.7,	306.8,	285.7,	-220.8,	29.9,
23	13.7,	275.8,	314.0,	-238.7,	15.8,	24	13.7,	236.4,	332.7,	-249.4,	1.2,
25	13.7,	189.9,	341.3,	-252.5,	-13.4,	26	13.7,	138.4,	339.6,	-247.9,	-28.0,
27	13.7,	101.5,	333.6,	-239.6,	-43.0,	28	13.7,	154.2,	341.4,	-235.9,	-53.5,

29	13.7,	204.2,	340.1,	-225.0,	-63.5,	30	13.7,	248.8,	328.4,	-207.3,	-71.8,
31	13.7,	285.7,	306.8,	-183.3,	-78.0,	32	13.7,	314.0,	275.8,	-153.7,	-81.8,
33	13.7,	332.7,	236.4,	-119.4,	-83.1,	34	13.7,	341.3,	189.9,	-81.5,	-81.8,
35	13.7,	339.6,	138.4,	-41.2,	-78.1,	36	13.7,	333.6,	101.5,	-7.8,	-72.8,

SOURCE ID: TRU8

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-24.4,	-61.3,	2	13.7,	340.1,	204.2,	-40.1,	-51.3,
3	13.7,	328.4,	248.8,	-54.6,	-39.7,	4	13.7,	306.8,	285.7,	-67.5,	-27.0,
5	13.7,	275.8,	314.0,	-78.3,	-13.4,	6	13.7,	236.4,	332.7,	-86.7,	0.6,
7	13.7,	189.9,	341.3,	-92.5,	14.6,	8	13.7,	138.4,	339.6,	-95.5,	28.5,
9	13.7,	101.5,	333.6,	-97.9,	42.9,	10	13.7,	154.2,	341.4,	-109.4,	52.7,
11	13.7,	204.2,	340.1,	-118.7,	62.0,	12	13.7,	248.8,	328.4,	-124.5,	69.8,
13	13.7,	285.7,	306.8,	-126.4,	75.4,	14	13.7,	314.0,	275.8,	-124.5,	78.7,
15	13.7,	332.7,	236.4,	-118.8,	79.6,	16	13.7,	341.3,	189.9,	-109.6,	78.1,
17	13.7,	339.6,	138.4,	-97.7,	74.3,	18	13.7,	333.6,	101.5,	-93.6,	68.9,
19	13.7,	341.4,	154.2,	-129.8,	61.3,	20	13.7,	340.1,	204.2,	-164.2,	51.3,
21	13.7,	328.4,	248.8,	-194.1,	39.7,	22	13.7,	306.8,	285.7,	-218.2,	27.0,
23	13.7,	275.8,	314.0,	-235.7,	13.4,	24	13.7,	236.4,	332.7,	-246.0,	-0.6,
25	13.7,	189.9,	341.3,	-248.8,	-14.6,	26	13.7,	138.4,	339.6,	-244.0,	-28.5,
27	13.7,	101.5,	333.6,	-235.7,	-42.9,	28	13.7,	154.2,	341.4,	-232.0,	-52.7,
29	13.7,	204.2,	340.1,	-221.4,	-62.0,	30	13.7,	248.8,	328.4,	-203.9,	-69.8,
31	13.7,	285.7,	306.8,	-180.3,	-75.4,	32	13.7,	314.0,	275.8,	-151.3,	-78.7,
33	13.7,	332.7,	236.4,	-117.6,	-79.6,	34	13.7,	341.3,	189.9,	-80.3,	-78.1,
35	13.7,	339.6,	138.4,	-40.6,	-74.3,	36	13.7,	333.6,	101.5,	-7.9,	-68.9,


SOURCE ID: TRU9

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-25.1,	-57.5,	2	13.7,	340.1,	204.2,	-41.5,	-47.7,
3	13.7,	328.4,	248.8,	-56.6,	-36.4,	4	13.7,	306.8,	285.7,	-70.0,	-24.1,
5	13.7,	275.8,	314.0,	-81.3,	-11.0,	6	13.7,	236.4,	332.7,	-90.1,	2.5,
7	13.7,	189.9,	341.3,	-96.2,	15.9,	8	13.7,	138.4,	339.6,	-99.3,	29.1,
9	13.7,	101.5,	333.6,	-101.8,	42.8,	10	13.7,	154.2,	341.4,	-113.2,	52.0,
11	13.7,	204.2,	340.1,	-122.3,	60.6,	12	13.7,	248.8,	328.4,	-127.8,	67.8,
13	13.7,	285.7,	306.8,	-129.3,	72.8,	14	13.7,	314.0,	275.8,	-126.9,	75.7,
15	13.7,	332.7,	236.4,	-120.7,	76.2,	16	13.7,	341.3,	189.9,	-110.8,	74.5,
17	13.7,	339.6,	138.4,	-98.3,	70.4,	18	13.7,	333.6,	101.5,	-93.5,	65.0,
19	13.7,	341.4,	154.2,	-129.1,	57.5,	20	13.7,	340.1,	204.2,	-162.8,	47.7,
21	13.7,	328.4,	248.8,	-192.1,	36.4,	22	13.7,	306.8,	285.7,	-215.7,	24.1,
23	13.7,	275.8,	314.0,	-232.7,	11.0,	24	13.7,	236.4,	332.7,	-242.6,	-2.5,
25	13.7,	189.9,	341.3,	-245.1,	-15.9,	26	13.7,	138.4,	339.6,	-240.2,	-29.1,
27	13.7,	101.5,	333.6,	-231.8,	-42.8,	28	13.7,	154.2,	341.4,	-228.2,	-52.0,
29	13.7,	204.2,	340.1,	-217.8,	-60.6,	30	13.7,	248.8,	328.4,	-200.6,	-67.8,
31	13.7,	285.7,	306.8,	-177.4,	-72.8,	32	13.7,	314.0,	275.8,	-148.8,	-75.7,
33	13.7,	332.7,	236.4,	-115.7,	-76.2,	34	13.7,	341.3,	189.9,	-79.1,	-74.5,
35	13.7,	339.6,	138.4,	-40.0,	-70.4,	36	13.7,	333.6,	101.5,	-8.0,	-65.0,

SOURCE ID: TRU10

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-25.9,	-53.6,	2	13.7,	340.1,	204.2,	-43.0,	-44.0,
3	13.7,	328.4,	248.8,	-58.7,	-33.0,	4	13.7,	306.8,	285.7,	-72.7,	-21.1,
5	13.7,	275.8,	314.0,	-84.4,	-8.5,	6	13.7,	236.4,	332.7,	-93.6,	4.4,
7	13.7,	189.9,	341.3,	-100.0,	17.1,	8	13.7,	138.4,	339.6,	-103.3,	29.7,
9	13.7,	101.5,	333.6,	-105.8,	42.7,	10	13.7,	154.2,	341.4,	-117.1,	51.2,
11	13.7,	204.2,	340.1,	-126.0,	59.2,	12	13.7,	248.8,	328.4,	-131.1,	65.7,
13	13.7,	285.7,	306.8,	-132.3,	70.2,	14	13.7,	314.0,	275.8,	-129.4,	72.5,
15	13.7,	332.7,	236.4,	-122.6,	72.7,	16	13.7,	341.3,	189.9,	-112.1,	70.7,
17	13.7,	339.6,	138.4,	-98.9,	66.5,	18	13.7,	333.6,	101.5,	-93.4,	61.0,
19	13.7,	341.4,	154.2,	-128.2,	53.6,	20	13.7,	340.1,	204.2,	-161.3,	44.0,
21	13.7,	328.4,	248.8,	-190.0,	33.0,	22	13.7,	306.8,	285.7,	-213.0,	21.1,
23	13.7,	275.8,	314.0,	-229.5,	8.5,	24	13.7,	236.4,	332.7,	-239.1,	-4.4,
25	13.7,	189.9,	341.3,	-241.3,	-17.1,	26	13.7,	138.4,	339.6,	-236.3,	-29.7,
27	13.7,	101.5,	333.6,	-227.8,	-42.7,	28	13.7,	154.2,	341.4,	-224.3,	-51.2,

29	13.7,	204.2,	340.1,	-214.1,	-59.2,	30	13.7,	248.8,	328.4,	-197.2,	-65.7,
31	13.7,	285.7,	306.8,	-174.5,	-70.2,	32	13.7,	314.0,	275.8,	-146.4,	-72.5,
33	13.7,	332.7,	236.4,	-113.8,	-72.7,	34	13.7,	341.3,	189.9,	-77.8,	-70.7,
35	13.7,	339.6,	138.4,	-39.5,	-66.5,	36	13.7,	333.6,	101.5,	-8.1,	-61.0,

 \*\*\* AERMOD - VERSION 23132 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\15639  
 Spreckels\15639 Ops HRA\1 \*\*\*                      09/20/24  
 \*\*\* AERMET - VERSION 21112 \*\*\*  
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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    URBAN    ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: TRU11

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-26.8,	-49.7,	2	13.7,	340.1,	204.2,	-44.5,	-40.3,
3	13.7,	328.4,	248.8,	-60.9,	-29.7,	4	13.7,	306.8,	285.7,	-75.4,	-18.1,
5	13.7,	275.8,	314.0,	-87.7,	-6.0,	6	13.7,	236.4,	332.7,	-97.2,	6.2,
7	13.7,	189.9,	341.3,	-103.8,	18.3,	8	13.7,	138.4,	339.6,	-107.3,	30.2,
9	13.7,	101.5,	333.6,	-109.8,	42.4,	10	13.7,	154.2,	341.4,	-121.0,	50.3,
11	13.7,	204.2,	340.1,	-129.8,	57.6,	12	13.7,	248.8,	328.4,	-134.6,	63.5,
13	13.7,	285.7,	306.8,	-135.2,	67.4,	14	13.7,	314.0,	275.8,	-131.9,	69.3,
15	13.7,	332.7,	236.4,	-124.4,	69.1,	16	13.7,	341.3,	189.9,	-113.2,	66.8,
17	13.7,	339.6,	138.4,	-99.4,	62.5,	18	13.7,	333.6,	101.5,	-93.2,	57.0,
19	13.7,	341.4,	154.2,	-127.3,	49.7,	20	13.7,	340.1,	204.2,	-159.7,	40.3,
21	13.7,	328.4,	248.8,	-187.8,	29.7,	22	13.7,	306.8,	285.7,	-210.3,	18.1,
23	13.7,	275.8,	314.0,	-226.3,	6.0,	24	13.7,	236.4,	332.7,	-235.5,	-6.2,
25	13.7,	189.9,	341.3,	-237.5,	-18.3,	26	13.7,	138.4,	339.6,	-232.3,	-30.2,
27	13.7,	101.5,	333.6,	-223.8,	-42.4,	28	13.7,	154.2,	341.4,	-220.4,	-50.3,
29	13.7,	204.2,	340.1,	-210.3,	-57.6,	30	13.7,	248.8,	328.4,	-193.9,	-63.5,
31	13.7,	285.7,	306.8,	-171.5,	-67.4,	32	13.7,	314.0,	275.8,	-143.9,	-69.3,
33	13.7,	332.7,	236.4,	-112.0,	-69.1,	34	13.7,	341.3,	189.9,	-76.6,	-66.8,
35	13.7,	339.6,	138.4,	-39.0,	-62.5,	36	13.7,	333.6,	101.5,	-8.3,	-57.0,

SOURCE ID: TRU12

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-27.6,	-45.7,	2	13.7,	340.1,	204.2,	-46.0,	-36.5,
3	13.7,	328.4,	248.8,	-63.0,	-26.2,	4	13.7,	306.8,	285.7,	-78.1,	-15.1,
5	13.7,	275.8,	314.0,	-90.8,	-3.5,	6	13.7,	236.4,	332.7,	-100.7,	8.2,
7	13.7,	189.9,	341.3,	-107.6,	19.6,	8	13.7,	138.4,	339.6,	-111.3,	30.9,
9	13.7,	101.5,	333.6,	-113.8,	42.4,	10	13.7,	154.2,	341.4,	-125.0,	49.5,
11	13.7,	204.2,	340.1,	-133.5,	56.2,	12	13.7,	248.8,	328.4,	-138.0,	61.4,
13	13.7,	285.7,	306.8,	-138.3,	64.8,	14	13.7,	314.0,	275.8,	-134.4,	66.2,
15	13.7,	332.7,	236.4,	-126.4,	65.6,	16	13.7,	341.3,	189.9,	-114.6,	63.0,
17	13.7,	339.6,	138.4,	-100.0,	58.5,	18	13.7,	333.6,	101.5,	-93.1,	52.9,
19	13.7,	341.4,	154.2,	-126.6,	45.7,	20	13.7,	340.1,	204.2,	-158.3,	36.5,
21	13.7,	328.4,	248.8,	-185.8,	26.2,	22	13.7,	306.8,	285.7,	-207.6,	15.1,
23	13.7,	275.8,	314.0,	-223.2,	3.5,	24	13.7,	236.4,	332.7,	-232.0,	-8.2,
25	13.7,	189.9,	341.3,	-233.7,	-19.6,	26	13.7,	138.4,	339.6,	-228.3,	-30.9,
27	13.7,	101.5,	333.6,	-219.8,	-42.4,	28	13.7,	154.2,	341.4,	-216.4,	-49.5,
29	13.7,	204.2,	340.1,	-206.6,	-56.2,	30	13.7,	248.8,	328.4,	-190.4,	-61.4,
31	13.7,	285.7,	306.8,	-168.4,	-64.8,	32	13.7,	314.0,	275.8,	-141.4,	-66.2,
33	13.7,	332.7,	236.4,	-110.0,	-65.6,	34	13.7,	341.3,	189.9,	-75.3,	-63.0,
35	13.7,	339.6,	138.4,	-38.3,	-58.5,	36	13.7,	333.6,	101.5,	-8.3,	-52.9,

SOURCE ID: TRU13

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-29.3,	-38.2,	2	13.7,	340.1,	204.2,	-49.0,	-29.4,
3	13.7,	328.4,	248.8,	-67.2,	-19.7,	4	13.7,	306.8,	285.7,	-83.3,	-9.4,
5	13.7,	275.8,	314.0,	-96.9,	1.2,	6	13.7,	236.4,	332.7,	-107.6,	11.7,
7	13.7,	189.9,	341.3,	-115.0,	21.9,	8	13.7,	138.4,	339.6,	-119.0,	31.8,

9	13.7,	101.5,	333.6,	-121.6,	42.0,	10	13.7,	154.2,	341.4,	-132.5,	47.8,
11	13.7,	204.2,	340.1,	-140.7,	53.2,	12	13.7,	248.8,	328.4,	-144.5,	57.2,
13	13.7,	285.7,	306.8,	-144.0,	59.5,	14	13.7,	314.0,	275.8,	-139.1,	60.0,
15	13.7,	332.7,	236.4,	-130.0,	58.7,	16	13.7,	341.3,	189.9,	-116.9,	55.6,
17	13.7,	339.6,	138.4,	-101.0,	50.8,	18	13.7,	333.6,	101.5,	-92.8,	45.2,
19	13.7,	341.4,	154.2,	-124.9,	38.2,	20	13.7,	340.1,	204.2,	-155.3,	29.4,
21	13.7,	328.4,	248.8,	-181.6,	19.7,	22	13.7,	306.8,	285.7,	-202.4,	9.4,
23	13.7,	275.8,	314.0,	-217.0,	-1.2,	24	13.7,	236.4,	332.7,	-225.1,	-11.7,
25	13.7,	189.9,	341.3,	-226.3,	-21.9,	26	13.7,	138.4,	339.6,	-220.6,	-31.8,
27	13.7,	101.5,	333.6,	-212.0,	-42.0,	28	13.7,	154.2,	341.4,	-208.9,	-47.8,
29	13.7,	204.2,	340.1,	-199.4,	-53.2,	30	13.7,	248.8,	328.4,	-183.9,	-57.2,
31	13.7,	285.7,	306.8,	-162.8,	-59.5,	32	13.7,	314.0,	275.8,	-136.7,	-60.0,
33	13.7,	332.7,	236.4,	-106.5,	-58.7,	34	13.7,	341.3,	189.9,	-73.0,	-55.6,
35	13.7,	339.6,	138.4,	-37.3,	-50.8,	36	13.7,	333.6,	101.5,	-8.7,	-45.2,

SOURCE ID: TRU14

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-29.9,	-34.3,	2	13.7,	340.1,	204.2,	-50.3,	-25.6,
3	13.7,	328.4,	248.8,	-69.1,	-16.2,	4	13.7,	306.8,	285.7,	-85.8,	-6.3,
5	13.7,	275.8,	314.0,	-100.0,	3.8,	6	13.7,	236.4,	332.7,	-111.0,	13.8,
7	13.7,	189.9,	341.3,	-118.8,	23.3,	8	13.7,	138.4,	339.6,	-122.9,	32.6,
9	13.7,	101.5,	333.6,	-125.5,	42.1,	10	13.7,	154.2,	341.4,	-136.4,	47.1,
11	13.7,	204.2,	340.1,	-144.4,	51.8,	12	13.7,	248.8,	328.4,	-148.0,	55.3,
13	13.7,	285.7,	306.8,	-147.1,	57.0,	14	13.7,	314.0,	275.8,	-141.7,	57.0,
15	13.7,	332.7,	236.4,	-132.0,	55.3,	16	13.7,	341.3,	189.9,	-118.3,	51.9,
17	13.7,	339.6,	138.4,	-101.7,	46.9,	18	13.7,	333.6,	101.5,	-92.8,	41.2,
19	13.7,	341.4,	154.2,	-124.2,	34.3,	20	13.7,	340.1,	204.2,	-154.0,	25.6,
21	13.7,	328.4,	248.8,	-179.6,	16.2,	22	13.7,	306.8,	285.7,	-199.9,	6.3,
23	13.7,	275.8,	314.0,	-214.0,	-3.8,	24	13.7,	236.4,	332.7,	-221.6,	-13.8,
25	13.7,	189.9,	341.3,	-222.6,	-23.3,	26	13.7,	138.4,	339.6,	-216.7,	-32.6,
27	13.7,	101.5,	333.6,	-208.0,	-42.1,	28	13.7,	154.2,	341.4,	-205.0,	-47.1,
29	13.7,	204.2,	340.1,	-195.7,	-51.8,	30	13.7,	248.8,	328.4,	-180.4,	-55.3,
31	13.7,	285.7,	306.8,	-159.7,	-57.0,	32	13.7,	314.0,	275.8,	-134.1,	-57.0,
33	13.7,	332.7,	236.4,	-104.5,	-55.3,	34	13.7,	341.3,	189.9,	-71.6,	-51.9,
35	13.7,	339.6,	138.4,	-36.6,	-46.9,	36	13.7,	333.6,	101.5,	-8.7,	-41.2,

\*\*\* AERMOD - VERSION 23132 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAS\15639  
 Sprechels\15639 Ops HRA\1 \*\*\*      09/20/24  
 \*\*\* AERMET - VERSION 21112 \*\*\*  
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\*\*\* MODELOPTs:      RegDEFAULT    CONC    ELEV    URBAN    ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: TRU15

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-30.7,	-30.4,	2	13.7,	340.1,	204.2,	-51.7,	-22.0,
3	13.7,	328.4,	248.8,	-71.2,	-12.9,	4	13.7,	306.8,	285.7,	-88.4,	-3.4,
5	13.7,	275.8,	314.0,	-103.0,	6.2,	6	13.7,	236.4,	332.7,	-114.5,	15.6,
7	13.7,	189.9,	341.3,	-122.5,	24.6,	8	13.7,	138.4,	339.6,	-126.7,	33.1,
9	13.7,	101.5,	333.6,	-129.5,	41.9,	10	13.7,	154.2,	341.4,	-140.3,	46.3,
11	13.7,	204.2,	340.1,	-148.0,	50.4,	12	13.7,	248.8,	328.4,	-151.3,	53.2,
13	13.7,	285.7,	306.8,	-150.0,	54.4,	14	13.7,	314.0,	275.8,	-144.1,	53.9,
15	13.7,	332.7,	236.4,	-133.8,	51.9,	16	13.7,	341.3,	189.9,	-119.5,	48.2,
17	13.7,	339.6,	138.4,	-102.3,	43.1,	18	13.7,	333.6,	101.5,	-92.7,	37.3,
19	13.7,	341.4,	154.2,	-123.4,	30.4,	20	13.7,	340.1,	204.2,	-152.5,	22.0,
21	13.7,	328.4,	248.8,	-177.6,	12.9,	22	13.7,	306.8,	285.7,	-197.3,	3.4,
23	13.7,	275.8,	314.0,	-210.9,	-6.2,	24	13.7,	236.4,	332.7,	-218.2,	-15.6,
25	13.7,	189.9,	341.3,	-218.9,	-24.6,	26	13.7,	138.4,	339.6,	-212.8,	-33.1,
27	13.7,	101.5,	333.6,	-204.1,	-41.9,	28	13.7,	154.2,	341.4,	-201.2,	-46.3,
29	13.7,	204.2,	340.1,	-192.0,	-50.4,	30	13.7,	248.8,	328.4,	-177.1,	-53.2,
31	13.7,	285.7,	306.8,	-156.8,	-54.4,	32	13.7,	314.0,	275.8,	-131.7,	-53.9,

33	13.7,	332.7,	236.4,	-102.6,	-51.9,	34	13.7,	341.3,	189.9,	-70.4,	-48.2,
35	13.7,	339.6,	138.4,	-36.1,	-43.1,	36	13.7,	333.6,	101.5,	-8.8,	-37.3,

SOURCE ID: TRU16

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-31.5,	-26.7,	2	13.7,	340.1,	204.2,	-53.1,	-18.4,
3	13.7,	328.4,	248.8,	-73.2,	-9.6,	4	13.7,	306.8,	285.7,	-91.0,	-0.5,
5	13.7,	275.8,	314.0,	-106.0,	8.6,	6	13.7,	236.4,	332.7,	-117.9,	17.5,
7	13.7,	189.9,	341.3,	-126.1,	25.8,	8	13.7,	138.4,	339.6,	-130.5,	33.7,
9	13.7,	101.5,	333.6,	-133.3,	41.9,	10	13.7,	154.2,	341.4,	-144.1,	45.6,
11	13.7,	204.2,	340.1,	-151.6,	49.0,	12	13.7,	248.8,	328.4,	-154.6,	51.2,
13	13.7,	285.7,	306.8,	-152.9,	51.9,	14	13.7,	314.0,	275.8,	-146.5,	50.9,
15	13.7,	332.7,	236.4,	-135.7,	48.5,	16	13.7,	341.3,	189.9,	-120.8,	44.5,
17	13.7,	339.6,	138.4,	-102.9,	39.2,	18	13.7,	333.6,	101.5,	-92.6,	33.5,
19	13.7,	341.4,	154.2,	-122.7,	26.7,	20	13.7,	340.1,	204.2,	-151.1,	18.4,
21	13.7,	328.4,	248.8,	-175.6,	9.6,	22	13.7,	306.8,	285.7,	-194.7,	0.5,
23	13.7,	275.8,	314.0,	-207.9,	-8.6,	24	13.7,	236.4,	332.7,	-214.8,	-17.5,
25	13.7,	189.9,	341.3,	-215.2,	-25.8,	26	13.7,	138.4,	339.6,	-209.0,	-33.7,
27	13.7,	101.5,	333.6,	-200.3,	-41.9,	28	13.7,	154.2,	341.4,	-197.4,	-45.6,
29	13.7,	204.2,	340.1,	-188.4,	-49.0,	30	13.7,	248.8,	328.4,	-173.8,	-51.2,
31	13.7,	285.7,	306.8,	-153.9,	-51.9,	32	13.7,	314.0,	275.8,	-129.3,	-50.9,
33	13.7,	332.7,	236.4,	-100.7,	-48.5,	34	13.7,	341.3,	189.9,	-69.1,	-44.5,
35	13.7,	339.6,	138.4,	-35.5,	-39.2,	36	13.7,	333.6,	101.5,	-8.9,	-33.5,

SOURCE ID: TRU17

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-32.3,	-22.8,	2	13.7,	340.1,	204.2,	-54.6,	-14.7,
3	13.7,	328.4,	248.8,	-75.3,	-6.2,	4	13.7,	306.8,	285.7,	-93.6,	2.5,
5	13.7,	275.8,	314.0,	-109.2,	11.1,	6	13.7,	236.4,	332.7,	-121.4,	19.4,
7	13.7,	189.9,	341.3,	-129.9,	27.1,	8	13.7,	138.4,	339.6,	-134.5,	34.3,
9	13.7,	101.5,	333.6,	-137.3,	41.8,	10	13.7,	154.2,	341.4,	-148.0,	44.8,
11	13.7,	204.2,	340.1,	-155.3,	47.5,	12	13.7,	248.8,	328.4,	-158.0,	49.1,
13	13.7,	285.7,	306.8,	-155.9,	49.2,	14	13.7,	314.0,	275.8,	-149.0,	47.8,
15	13.7,	332.7,	236.4,	-137.6,	45.0,	16	13.7,	341.3,	189.9,	-122.0,	40.8,
17	13.7,	339.6,	138.4,	-103.5,	35.3,	18	13.7,	333.6,	101.5,	-92.5,	29.5,
19	13.7,	341.4,	154.2,	-121.9,	22.8,	20	13.7,	340.1,	204.2,	-149.7,	14.7,
21	13.7,	328.4,	248.8,	-173.5,	6.2,	22	13.7,	306.8,	285.7,	-192.1,	-2.5,
23	13.7,	275.8,	314.0,	-204.8,	-11.1,	24	13.7,	236.4,	332.7,	-211.3,	-19.4,
25	13.7,	189.9,	341.3,	-211.4,	-27.1,	26	13.7,	138.4,	339.6,	-205.1,	-34.3,
27	13.7,	101.5,	333.6,	-196.3,	-41.8,	28	13.7,	154.2,	341.4,	-193.5,	-44.8,
29	13.7,	204.2,	340.1,	-184.7,	-47.5,	30	13.7,	248.8,	328.4,	-170.4,	-49.1,
31	13.7,	285.7,	306.8,	-150.9,	-49.2,	32	13.7,	314.0,	275.8,	-126.8,	-47.8,
33	13.7,	332.7,	236.4,	-98.8,	-45.0,	34	13.7,	341.3,	189.9,	-67.9,	-40.8,
35	13.7,	339.6,	138.4,	-34.9,	-35.3,	36	13.7,	333.6,	101.5,	-9.0,	-29.5,

SOURCE ID: TRU18

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-33.2,	-18.8,	2	13.7,	340.1,	204.2,	-56.2,	-11.0,
3	13.7,	328.4,	248.8,	-77.5,	-2.8,	4	13.7,	306.8,	285.7,	-96.4,	5.5,
5	13.7,	275.8,	314.0,	-112.4,	13.5,	6	13.7,	236.4,	332.7,	-125.0,	21.2,
7	13.7,	189.9,	341.3,	-133.8,	28.2,	8	13.7,	138.4,	339.6,	-138.5,	34.8,
9	13.7,	101.5,	333.6,	-141.3,	41.5,	10	13.7,	154.2,	341.4,	-151.9,	43.9,
11	13.7,	204.2,	340.1,	-159.1,	45.9,	12	13.7,	248.8,	328.4,	-161.4,	46.9,
13	13.7,	285.7,	306.8,	-158.8,	46.5,	14	13.7,	314.0,	275.8,	-151.4,	44.6,
15	13.7,	332.7,	236.4,	-139.4,	41.4,	16	13.7,	341.3,	189.9,	-123.2,	36.9,
17	13.7,	339.6,	138.4,	-104.0,	31.3,	18	13.7,	333.6,	101.5,	-92.3,	25.4,
19	13.7,	341.4,	154.2,	-121.0,	18.8,	20	13.7,	340.1,	204.2,	-148.1,	11.0,
21	13.7,	328.4,	248.8,	-171.3,	2.8,	22	13.7,	306.8,	285.7,	-189.3,	-5.5,
23	13.7,	275.8,	314.0,	-201.6,	-13.5,	24	13.7,	236.4,	332.7,	-207.7,	-21.2,
25	13.7,	189.9,	341.3,	-207.5,	-28.2,	26	13.7,	138.4,	339.6,	-201.1,	-34.8,
27	13.7,	101.5,	333.6,	-192.2,	-41.5,	28	13.7,	154.2,	341.4,	-189.5,	-43.9,
29	13.7,	204.2,	340.1,	-181.0,	-45.9,	30	13.7,	248.8,	328.4,	-167.0,	-46.9,
31	13.7,	285.7,	306.8,	-147.9,	-46.5,	32	13.7,	314.0,	275.8,	-124.4,	-44.6,

33 13.7, 332.7, 236.4, -97.0, -41.4, 34 13.7, 341.3, 189.9, -66.7, -36.9,  
35 13.7, 339.6, 138.4, -34.4, -31.3, 36 13.7, 333.6, 101.5, -9.2, -25.4,

\*\*\* AERMOD - VERSION 23132 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\15639  
Spreckels\15639 Ops HRA\1 \*\*\* 09/20/24  
\*\*\* AERMET - VERSION 21112 \*\*\*  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: TRU19

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-33.9,	-14.9,	2	13.7,	340.1,	204.2,	-57.6,	-7.2,
3	13.7,	328.4,	248.8,	-79.5,	0.7,	4	13.7,	306.8,	285.7,	-99.0,	8.5,
5	13.7,	275.8,	314.0,	-115.5,	16.1,	6	13.7,	236.4,	332.7,	-128.5,	23.2,
7	13.7,	189.9,	341.3,	-137.6,	29.6,	8	13.7,	138.4,	339.6,	-142.5,	35.4,
9	13.7,	101.5,	333.6,	-145.4,	41.5,	10	13.7,	154.2,	341.4,	-155.9,	43.2,
11	13.7,	204.2,	340.1,	-162.8,	44.5,	12	13.7,	248.8,	328.4,	-164.9,	44.9,
13	13.7,	285.7,	306.8,	-161.9,	43.8,	14	13.7,	314.0,	275.8,	-154.0,	41.5,
15	13.7,	332.7,	236.4,	-141.4,	37.9,	16	13.7,	341.3,	189.9,	-124.5,	33.1,
17	13.7,	339.6,	138.4,	-104.6,	27.3,	18	13.7,	333.6,	101.5,	-92.2,	21.4,
19	13.7,	341.4,	154.2,	-120.2,	14.9,	20	13.7,	340.1,	204.2,	-146.7,	7.2,
21	13.7,	328.4,	248.8,	-169.2,	-0.7,	22	13.7,	306.8,	285.7,	-186.7,	-8.5,
23	13.7,	275.8,	314.0,	-198.5,	-16.1,	24	13.7,	236.4,	332.7,	-204.2,	-23.2,
25	13.7,	189.9,	341.3,	-203.8,	-29.6,	26	13.7,	138.4,	339.6,	-197.1,	-35.4,
27	13.7,	101.5,	333.6,	-188.2,	-41.5,	28	13.7,	154.2,	341.4,	-185.6,	-43.2,
29	13.7,	204.2,	340.1,	-177.2,	-44.5,	30	13.7,	248.8,	328.4,	-163.5,	-44.9,
31	13.7,	285.7,	306.8,	-144.9,	-43.8,	32	13.7,	314.0,	275.8,	-121.8,	-41.5,
33	13.7,	332.7,	236.4,	-95.0,	-37.9,	34	13.7,	341.3,	189.9,	-65.4,	-33.1,
35	13.7,	339.6,	138.4,	-33.7,	-27.3,	36	13.7,	333.6,	101.5,	-9.2,	-21.4,

SOURCE ID: TRU20

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-35.6,	-7.2,	2	13.7,	340.1,	204.2,	-60.5,	0.1,
3	13.7,	328.4,	248.8,	-83.7,	7.3,	4	13.7,	306.8,	285.7,	-104.3,	14.3,
5	13.7,	275.8,	314.0,	-121.7,	20.9,	6	13.7,	236.4,	332.7,	-135.4,	26.9,
7	13.7,	189.9,	341.3,	-145.1,	32.0,	8	13.7,	138.4,	339.6,	-150.2,	36.5,
9	13.7,	101.5,	333.6,	-153.2,	41.2,	10	13.7,	154.2,	341.4,	-163.5,	41.5,
11	13.7,	204.2,	340.1,	-170.1,	41.6,	12	13.7,	248.8,	328.4,	-171.5,	40.7,
13	13.7,	285.7,	306.8,	-167.7,	38.6,	14	13.7,	314.0,	275.8,	-158.8,	35.3,
15	13.7,	332.7,	236.4,	-145.1,	30.9,	16	13.7,	341.3,	189.9,	-126.9,	25.6,
17	13.7,	339.6,	138.4,	-105.7,	19.5,	18	13.7,	333.6,	101.5,	-91.9,	13.6,
19	13.7,	341.4,	154.2,	-118.6,	7.2,	20	13.7,	340.1,	204.2,	-143.7,	-0.1,
21	13.7,	328.4,	248.8,	-165.1,	-7.3,	22	13.7,	306.8,	285.7,	-181.4,	-14.3,
23	13.7,	275.8,	314.0,	-192.3,	-20.9,	24	13.7,	236.4,	332.7,	-197.3,	-26.9,
25	13.7,	189.9,	341.3,	-196.3,	-32.0,	26	13.7,	138.4,	339.6,	-189.3,	-36.5,
27	13.7,	101.5,	333.6,	-180.4,	-41.2,	28	13.7,	154.2,	341.4,	-177.9,	-41.5,
29	13.7,	204.2,	340.1,	-170.0,	-41.6,	30	13.7,	248.8,	328.4,	-156.9,	-40.7,
31	13.7,	285.7,	306.8,	-139.1,	-38.6,	32	13.7,	314.0,	275.8,	-117.0,	-35.3,
33	13.7,	332.7,	236.4,	-91.4,	-30.9,	34	13.7,	341.3,	189.9,	-63.0,	-25.6,
35	13.7,	339.6,	138.4,	-32.7,	-19.5,	36	13.7,	333.6,	101.5,	-9.5,	-13.6,

SOURCE ID: TRU21

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-36.2,	-3.2,	2	13.7,	340.1,	204.2,	-61.9,	3.8,
3	13.7,	328.4,	248.8,	-85.6,	10.8,	4	13.7,	306.8,	285.7,	-106.8,	17.4,
5	13.7,	275.8,	314.0,	-124.7,	23.5,	6	13.7,	236.4,	332.7,	-138.9,	28.9,
7	13.7,	189.9,	341.3,	-148.8,	33.4,	8	13.7,	138.4,	339.6,	-154.2,	37.2,
9	13.7,	101.5,	333.6,	-157.2,	41.2,	10	13.7,	154.2,	341.4,	-167.5,	40.8,
11	13.7,	204.2,	340.1,	-173.9,	40.2,	12	13.7,	248.8,	328.4,	-175.0,	38.7,



13	13.7,	285.7,	306.8,	-170.8,	36.0,	14	13.7,	314.0,	275.8,	-161.4,	32.2,
15	13.7,	332.7,	236.4,	-147.1,	27.5,	16	13.7,	341.3,	189.9,	-128.3,	21.9,
17	13.7,	339.6,	138.4,	-106.4,	15.6,	18	13.7,	333.6,	101.5,	-92.0,	9.6,
19	13.7,	341.4,	154.2,	-117.9,	3.2,	20	13.7,	340.1,	204.2,	-142.4,	-3.8,
21	13.7,	328.4,	248.8,	-163.1,	-10.8,	22	13.7,	306.8,	285.7,	-178.9,	-17.4,
23	13.7,	275.8,	314.0,	-189.2,	-23.5,	24	13.7,	236.4,	332.7,	-193.8,	-28.9,
25	13.7,	189.9,	341.3,	-192.5,	-33.4,	26	13.7,	138.4,	339.6,	-185.4,	-37.2,
27	13.7,	101.5,	333.6,	-176.4,	-41.2,	28	13.7,	154.2,	341.4,	-174.0,	-40.8,
29	13.7,	204.2,	340.1,	-166.2,	-40.2,	30	13.7,	248.8,	328.4,	-153.4,	-38.7,
31	13.7,	285.7,	306.8,	-136.0,	-36.0,	32	13.7,	314.0,	275.8,	-114.4,	-32.2,
33	13.7,	332.7,	236.4,	-89.3,	-27.5,	34	13.7,	341.3,	189.9,	-61.6,	-21.9,
35	13.7,	339.6,	138.4,	-31.9,	-15.6,	36	13.7,	333.6,	101.5,	-9.5,	-9.6,

SOURCE ID: TRU22

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-37.0,	0.6,	2	13.7,	340.1,	204.2,	-63.3,	7.4,
3	13.7,	328.4,	248.8,	-87.7,	14.1,	4	13.7,	306.8,	285.7,	-109.4,	20.3,
5	13.7,	275.8,	314.0,	-127.8,	25.9,	6	13.7,	236.4,	332.7,	-142.3,	30.7,
7	13.7,	189.9,	341.3,	-152.5,	34.6,	8	13.7,	138.4,	339.6,	-158.0,	37.8,
9	13.7,	101.5,	333.6,	-161.1,	41.1,	10	13.7,	154.2,	341.4,	-171.3,	40.0,
11	13.7,	204.2,	340.1,	-177.5,	38.8,	12	13.7,	248.8,	328.4,	-178.3,	36.7,
13	13.7,	285.7,	306.8,	-173.7,	33.4,	14	13.7,	314.0,	275.8,	-163.8,	29.2,
15	13.7,	332.7,	236.4,	-148.9,	24.1,	16	13.7,	341.3,	189.9,	-129.5,	18.2,
17	13.7,	339.6,	138.4,	-107.0,	11.8,	18	13.7,	333.6,	101.5,	-91.8,	5.7,
19	13.7,	341.4,	154.2,	-117.1,	-0.6,	20	13.7,	340.1,	204.2,	-140.9,	-7.4,
21	13.7,	328.4,	248.8,	-161.1,	-14.1,	22	13.7,	306.8,	285.7,	-176.3,	-20.3,
23	13.7,	275.8,	314.0,	-186.2,	-25.9,	24	13.7,	236.4,	332.7,	-190.4,	-30.7,
25	13.7,	189.9,	341.3,	-188.8,	-34.6,	26	13.7,	138.4,	339.6,	-181.5,	-37.8,
27	13.7,	101.5,	333.6,	-172.5,	-41.1,	28	13.7,	154.2,	341.4,	-170.1,	-40.0,
29	13.7,	204.2,	340.1,	-162.6,	-38.8,	30	13.7,	248.8,	328.4,	-150.1,	-36.7,
31	13.7,	285.7,	306.8,	-133.1,	-33.4,	32	13.7,	314.0,	275.8,	-112.0,	-29.2,
33	13.7,	332.7,	236.4,	-87.5,	-24.1,	34	13.7,	341.3,	189.9,	-60.3,	-18.2,
35	13.7,	339.6,	138.4,	-31.4,	-11.8,	36	13.7,	333.6,	101.5,	-9.6,	-5.7,

\*\*\* AERMOD - VERSION 23132 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\15639  
 Spreckels\15639 Ops HRA\1 \*\*\* 09/20/24  
 \*\*\* AERMET - VERSION 21112 \*\*\*  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: TRU23

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-37.8,	4.4,	2	13.7,	340.1,	204.2,	-64.7,	11.1,
3	13.7,	328.4,	248.8,	-89.7,	17.4,	4	13.7,	306.8,	285.7,	-112.0,	23.2,
5	13.7,	275.8,	314.0,	-130.8,	28.3,	6	13.7,	236.4,	332.7,	-145.7,	32.6,
7	13.7,	189.9,	341.3,	-156.1,	35.8,	8	13.7,	138.4,	339.6,	-161.9,	38.4,
9	13.7,	101.5,	333.6,	-165.0,	41.0,	10	13.7,	154.2,	341.4,	-175.1,	39.3,
11	13.7,	204.2,	340.1,	-181.1,	37.4,	12	13.7,	248.8,	328.4,	-181.6,	34.7,
13	13.7,	285.7,	306.8,	-176.6,	30.9,	14	13.7,	314.0,	275.8,	-166.2,	26.2,
15	13.7,	332.7,	236.4,	-150.8,	20.7,	16	13.7,	341.3,	189.9,	-130.8,	14.5,
17	13.7,	339.6,	138.4,	-107.6,	7.9,	18	13.7,	333.6,	101.5,	-91.8,	1.8,
19	13.7,	341.4,	154.2,	-116.4,	-4.4,	20	13.7,	340.1,	204.2,	-139.5,	-11.1,
21	13.7,	328.4,	248.8,	-159.1,	-17.4,	22	13.7,	306.8,	285.7,	-173.7,	-23.2,
23	13.7,	275.8,	314.0,	-183.2,	-28.3,	24	13.7,	236.4,	332.7,	-187.0,	-32.6,
25	13.7,	189.9,	341.3,	-185.2,	-35.8,	26	13.7,	138.4,	339.6,	-177.7,	-38.4,
27	13.7,	101.5,	333.6,	-168.6,	-41.0,	28	13.7,	154.2,	341.4,	-166.3,	-39.3,
29	13.7,	204.2,	340.1,	-159.0,	-37.4,	30	13.7,	248.8,	328.4,	-146.8,	-34.7,
31	13.7,	285.7,	306.8,	-130.2,	-30.9,	32	13.7,	314.0,	275.8,	-109.6,	-26.2,
33	13.7,	332.7,	236.4,	-85.6,	-20.7,	34	13.7,	341.3,	189.9,	-59.1,	-14.5,
35	13.7,	339.6,	138.4,	-30.8,	-7.9,	36	13.7,	333.6,	101.5,	-9.7,	-1.8,

## SOURCE ID: TRU24

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-38.6,	8.3,	2	13.7,	340.1,	204.2,	-66.2,	14.8,
3	13.7,	328.4,	248.8,	-91.8,	20.8,	4	13.7,	306.8,	285.7,	-114.6,	26.2,
5	13.7,	275.8,	314.0,	-133.9,	30.8,	6	13.7,	236.4,	332.7,	-149.2,	34.5,
7	13.7,	189.9,	341.3,	-159.9,	37.1,	8	13.7,	138.4,	339.6,	-165.8,	39.0,
9	13.7,	101.5,	333.6,	-168.9,	40.9,	10	13.7,	154.2,	341.4,	-179.0,	38.5,
11	13.7,	204.2,	340.1,	-184.8,	35.9,	12	13.7,	248.8,	328.4,	-185.0,	32.6,
13	13.7,	285.7,	306.8,	-179.6,	28.2,	14	13.7,	314.0,	275.8,	-168.7,	23.1,
15	13.7,	332.7,	236.4,	-152.7,	17.2,	16	13.7,	341.3,	189.9,	-132.0,	10.7,
17	13.7,	339.6,	138.4,	-108.1,	4.0,	18	13.7,	333.6,	101.5,	-91.6,	-2.1,
19	13.7,	341.4,	154.2,	-115.6,	-8.3,	20	13.7,	340.1,	204.2,	-138.1,	-14.8,
21	13.7,	328.4,	248.8,	-157.0,	-20.8,	22	13.7,	306.8,	285.7,	-171.1,	-26.2,
23	13.7,	275.8,	314.0,	-180.0,	-30.8,	24	13.7,	236.4,	332.7,	-183.5,	-34.5,
25	13.7,	189.9,	341.3,	-181.4,	-37.1,	26	13.7,	138.4,	339.6,	-173.8,	-39.0,
27	13.7,	101.5,	333.6,	-164.7,	-40.9,	28	13.7,	154.2,	341.4,	-162.4,	-38.5,
29	13.7,	204.2,	340.1,	-155.3,	-35.9,	30	13.7,	248.8,	328.4,	-143.4,	-32.6,
31	13.7,	285.7,	306.8,	-127.2,	-28.2,	32	13.7,	314.0,	275.8,	-107.1,	-23.1,
33	13.7,	332.7,	236.4,	-83.8,	-17.2,	34	13.7,	341.3,	189.9,	-57.8,	-10.7,
35	13.7,	339.6,	138.4,	-30.2,	-4.0,	36	13.7,	333.6,	101.5,	-9.8,	2.1,

## SOURCE ID: TRU25

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-39.5,	12.2,	2	13.7,	340.1,	204.2,	-67.8,	18.5,
3	13.7,	328.4,	248.8,	-94.0,	24.2,	4	13.7,	306.8,	285.7,	-117.4,	29.2,
5	13.7,	275.8,	314.0,	-137.2,	33.2,	6	13.7,	236.4,	332.7,	-152.8,	36.3,
7	13.7,	189.9,	341.3,	-163.8,	38.3,	8	13.7,	138.4,	339.6,	-169.8,	39.5,
9	13.7,	101.5,	333.6,	-173.0,	40.7,	10	13.7,	154.2,	341.4,	-182.9,	37.6,
11	13.7,	204.2,	340.1,	-188.5,	34.3,	12	13.7,	248.8,	328.4,	-188.4,	30.4,
13	13.7,	285.7,	306.8,	-182.5,	25.5,	14	13.7,	314.0,	275.8,	-171.1,	19.8,
15	13.7,	332.7,	236.4,	-154.5,	13.6,	16	13.7,	341.3,	189.9,	-133.2,	6.9,
17	13.7,	339.6,	138.4,	-108.6,	-0.0,	18	13.7,	333.6,	101.5,	-91.4,	-6.2,
19	13.7,	341.4,	154.2,	-114.7,	-12.2,	20	13.7,	340.1,	204.2,	-136.5,	-18.5,
21	13.7,	328.4,	248.8,	-154.8,	-24.2,	22	13.7,	306.8,	285.7,	-168.3,	-29.2,
23	13.7,	275.8,	314.0,	-176.8,	-33.2,	24	13.7,	236.4,	332.7,	-179.9,	-36.3,
25	13.7,	189.9,	341.3,	-177.5,	-38.3,	26	13.7,	138.4,	339.6,	-169.8,	-39.5,
27	13.7,	101.5,	333.6,	-160.6,	-40.7,	28	13.7,	154.2,	341.4,	-158.5,	-37.6,
29	13.7,	204.2,	340.1,	-151.6,	-34.3,	30	13.7,	248.8,	328.4,	-140.0,	-30.4,
31	13.7,	285.7,	306.8,	-124.2,	-25.5,	32	13.7,	314.0,	275.8,	-104.7,	-19.8,
33	13.7,	332.7,	236.4,	-81.9,	-13.6,	34	13.7,	341.3,	189.9,	-56.7,	-6.9,
35	13.7,	339.6,	138.4,	-29.7,	0.0,	36	13.7,	333.6,	101.5,	-10.0,	6.2,

## SOURCE ID: TRU26

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-40.2,	16.2,	2	13.7,	340.1,	204.2,	-69.2,	22.2,
3	13.7,	328.4,	248.8,	-96.0,	27.6,	4	13.7,	306.8,	285.7,	-120.0,	32.2,
5	13.7,	275.8,	314.0,	-140.3,	35.8,	6	13.7,	236.4,	332.7,	-156.3,	38.3,
7	13.7,	189.9,	341.3,	-167.6,	39.6,	8	13.7,	138.4,	339.6,	-173.8,	40.1,
9	13.7,	101.5,	333.6,	-177.0,	40.7,	10	13.7,	154.2,	341.4,	-186.9,	36.8,
11	13.7,	204.2,	340.1,	-192.3,	32.9,	12	13.7,	248.8,	328.4,	-191.8,	28.3,
13	13.7,	285.7,	306.8,	-185.6,	22.9,	14	13.7,	314.0,	275.8,	-173.7,	16.7,
15	13.7,	332.7,	236.4,	-156.5,	10.1,	16	13.7,	341.3,	189.9,	-134.6,	3.1,
17	13.7,	339.6,	138.4,	-109.3,	-4.0,	18	13.7,	333.6,	101.5,	-91.4,	-10.2,
19	13.7,	341.4,	154.2,	-113.9,	-16.2,	20	13.7,	340.1,	204.2,	-135.1,	-22.2,
21	13.7,	328.4,	248.8,	-152.7,	-27.6,	22	13.7,	306.8,	285.7,	-165.7,	-32.2,
23	13.7,	275.8,	314.0,	-173.7,	-35.8,	24	13.7,	236.4,	332.7,	-176.4,	-38.3,
25	13.7,	189.9,	341.3,	-173.7,	-39.6,	26	13.7,	138.4,	339.6,	-165.8,	-40.1,
27	13.7,	101.5,	333.6,	-156.6,	-40.7,	28	13.7,	154.2,	341.4,	-154.5,	-36.8,
29	13.7,	204.2,	340.1,	-147.8,	-32.9,	30	13.7,	248.8,	328.4,	-136.6,	-28.3,
31	13.7,	285.7,	306.8,	-121.2,	-22.9,	32	13.7,	314.0,	275.8,	-102.1,	-16.7,
33	13.7,	332.7,	236.4,	-79.9,	-10.0,	34	13.7,	341.3,	189.9,	-55.3,	-3.1,
35	13.7,	339.6,	138.4,	-29.1,	4.0,	36	13.7,	333.6,	101.5,	-10.1,	10.2,

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\*\*\* MODELOPTs:      RegDFAULT    CONC    ELEV    URBAN    ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: TRU27

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-41.9,	23.9,	2	13.7,	340.1,	204.2,	-72.2,	29.6,
3	13.7,	328.4,	248.8,	-100.2,	34.3,	4	13.7,	306.8,	285.7,	-125.3,	38.1,
5	13.7,	275.8,	314.0,	-146.5,	40.6,	6	13.7,	236.4,	332.7,	-163.3,	42.0,
7	13.7,	189.9,	341.3,	-175.1,	42.0,	8	13.7,	138.4,	339.6,	-181.6,	41.2,
9	13.7,	101.5,	333.6,	-184.9,	40.4,	10	13.7,	154.2,	341.4,	-194.6,	35.2,
11	13.7,	204.2,	340.1,	-199.6,	29.9,	12	13.7,	248.8,	328.4,	-198.5,	24.1,
13	13.7,	285.7,	306.8,	-191.4,	17.6,	14	13.7,	314.0,	275.8,	-178.5,	10.5,
15	13.7,	332.7,	236.4,	-160.2,	3.0,	16	13.7,	341.3,	189.9,	-137.0,	-4.5,
17	13.7,	339.6,	138.4,	-110.4,	-11.8,	18	13.7,	333.6,	101.5,	-91.1,	-18.1,
19	13.7,	341.4,	154.2,	-112.3,	-23.9,	20	13.7,	340.1,	204.2,	-132.1,	-29.6,
21	13.7,	328.4,	248.8,	-148.5,	-34.3,	22	13.7,	306.8,	285.7,	-160.4,	-38.1,
23	13.7,	275.8,	314.0,	-167.5,	-40.6,	24	13.7,	236.4,	332.7,	-169.4,	-42.0,
25	13.7,	189.9,	341.3,	-166.2,	-42.0,	26	13.7,	138.4,	339.6,	-158.0,	-41.2,
27	13.7,	101.5,	333.6,	-148.7,	-40.4,	28	13.7,	154.2,	341.4,	-146.8,	-35.2,
29	13.7,	204.2,	340.1,	-140.5,	-29.9,	30	13.7,	248.8,	328.4,	-129.9,	-24.1,
31	13.7,	285.7,	306.8,	-115.3,	-17.6,	32	13.7,	314.0,	275.8,	-97.2,	-10.5,
33	13.7,	332.7,	236.4,	-76.2,	-3.0,	34	13.7,	341.3,	189.9,	-52.9,	4.5,
35	13.7,	339.6,	138.4,	-28.0,	11.8,	36	13.7,	333.6,	101.5,	-10.4,	18.1,

SOURCE ID: TRU28

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-42.5,	27.8,	2	13.7,	340.1,	204.2,	-73.5,	33.3,
3	13.7,	328.4,	248.8,	-102.2,	37.8,	4	13.7,	306.8,	285.7,	-127.8,	41.1,
5	13.7,	275.8,	314.0,	-149.5,	43.2,	6	13.7,	236.4,	332.7,	-166.7,	44.0,
7	13.7,	189.9,	341.3,	-178.8,	43.4,	8	13.7,	138.4,	339.6,	-185.5,	41.9,
9	13.7,	101.5,	333.6,	-188.9,	40.4,	10	13.7,	154.2,	341.4,	-198.5,	34.5,
11	13.7,	204.2,	340.1,	-203.4,	28.6,	12	13.7,	248.8,	328.4,	-202.0,	22.2,
13	13.7,	285.7,	306.8,	-194.5,	15.0,	14	13.7,	314.0,	275.8,	-181.1,	7.4,
15	13.7,	332.7,	236.4,	-162.2,	-0.4,	16	13.7,	341.3,	189.9,	-138.4,	-8.2,
17	13.7,	339.6,	138.4,	-111.1,	-15.7,	18	13.7,	333.6,	101.5,	-91.1,	-22.1,
19	13.7,	341.4,	154.2,	-111.6,	-27.8,	20	13.7,	340.1,	204.2,	-130.8,	-33.3,
21	13.7,	328.4,	248.8,	-146.6,	-37.8,	22	13.7,	306.8,	285.7,	-157.9,	-41.1,
23	13.7,	275.8,	314.0,	-164.4,	-43.2,	24	13.7,	236.4,	332.7,	-166.0,	-44.0,
25	13.7,	189.9,	341.3,	-162.5,	-43.4,	26	13.7,	138.4,	339.6,	-154.0,	-41.9,
27	13.7,	101.5,	333.6,	-144.7,	-40.4,	28	13.7,	154.2,	341.4,	-142.9,	-34.5,
29	13.7,	204.2,	340.1,	-136.7,	-28.6,	30	13.7,	248.8,	328.4,	-126.4,	-22.2,
31	13.7,	285.7,	306.8,	-112.2,	-15.0,	32	13.7,	314.0,	275.8,	-94.7,	-7.4,
33	13.7,	332.7,	236.4,	-74.2,	0.4,	34	13.7,	341.3,	189.9,	-51.5,	8.2,
35	13.7,	339.6,	138.4,	-27.2,	15.7,	36	13.7,	333.6,	101.5,	-10.3,	22.1,

SOURCE ID: TRU29

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-43.3,	31.6,	2	13.7,	340.1,	204.2,	-74.9,	36.9,
3	13.7,	328.4,	248.8,	-104.3,	41.1,	4	13.7,	306.8,	285.7,	-130.4,	44.0,
5	13.7,	275.8,	314.0,	-152.6,	45.6,	6	13.7,	236.4,	332.7,	-170.2,	45.8,
7	13.7,	189.9,	341.3,	-182.5,	44.6,	8	13.7,	138.4,	339.6,	-189.4,	42.5,
9	13.7,	101.5,	333.6,	-192.8,	40.3,	10	13.7,	154.2,	341.4,	-202.3,	33.7,
11	13.7,	204.2,	340.1,	-207.0,	27.2,	12	13.7,	248.8,	328.4,	-205.3,	20.1,
13	13.7,	285.7,	306.8,	-197.4,	12.4,	14	13.7,	314.0,	275.8,	-183.5,	4.4,
15	13.7,	332.7,	236.4,	-164.1,	-3.8,	16	13.7,	341.3,	189.9,	-139.6,	-11.9,

17	13.7,	339.6,	138.4,	-111.7,	-19.6,	18	13.7,	333.6,	101.5,	-91.0,	-26.0,
19	13.7,	341.4,	154.2,	-110.8,	-31.6,	20	13.7,	340.1,	204.2,	-129.3,	-36.9,
21	13.7,	328.4,	248.8,	-144.5,	-41.1,	22	13.7,	306.8,	285.7,	-155.3,	-44.0,
23	13.7,	275.8,	314.0,	-161.4,	-45.6,	24	13.7,	236.4,	332.7,	-162.5,	-45.8,
25	13.7,	189.9,	341.3,	-158.8,	-44.6,	26	13.7,	138.4,	339.6,	-150.2,	-42.5,
27	13.7,	101.5,	333.6,	-140.8,	-40.3,	28	13.7,	154.2,	341.4,	-139.1,	-33.7,
29	13.7,	204.2,	340.1,	-133.1,	-27.2,	30	13.7,	248.8,	328.4,	-123.1,	-20.1,
31	13.7,	285.7,	306.8,	-109.3,	-12.4,	32	13.7,	314.0,	275.8,	-92.2,	-4.4,
33	13.7,	332.7,	236.4,	-72.4,	3.8,	34	13.7,	341.3,	189.9,	-50.3,	11.9,
35	13.7,	339.6,	138.4,	-26.7,	19.6,	36	13.7,	333.6,	101.5,	-10.4,	26.0,

SOURCE ID: TRU30

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-44.1,	35.4,	2	13.7,	340.1,	204.2,	-76.3,	40.5,
3	13.7,	328.4,	248.8,	-106.3,	44.4,	4	13.7,	306.8,	285.7,	-133.0,	46.9,
5	13.7,	275.8,	314.0,	-155.6,	48.1,	6	13.7,	236.4,	332.7,	-173.5,	47.7,
7	13.7,	189.9,	341.3,	-186.2,	45.9,	8	13.7,	138.4,	339.6,	-193.2,	43.1,
9	13.7,	101.5,	333.6,	-196.6,	40.2,	10	13.7,	154.2,	341.4,	-206.1,	33.0,
11	13.7,	204.2,	340.1,	-210.6,	25.8,	12	13.7,	248.8,	328.4,	-208.6,	18.1,
13	13.7,	285.7,	306.8,	-200.3,	9.9,	14	13.7,	314.0,	275.8,	-186.0,	1.4,
15	13.7,	332.7,	236.4,	-165.9,	-7.2,	16	13.7,	341.3,	189.9,	-140.9,	-15.5,
17	13.7,	339.6,	138.4,	-112.3,	-23.4,	18	13.7,	333.6,	101.5,	-90.9,	-29.9,
19	13.7,	341.4,	154.2,	-110.1,	-35.4,	20	13.7,	340.1,	204.2,	-127.9,	-40.5,
21	13.7,	328.4,	248.8,	-142.5,	-44.4,	22	13.7,	306.8,	285.7,	-152.7,	-46.9,
23	13.7,	275.8,	314.0,	-158.4,	-48.1,	24	13.7,	236.4,	332.7,	-159.2,	-47.7,
25	13.7,	189.9,	341.3,	-155.1,	-45.9,	26	13.7,	138.4,	339.6,	-146.4,	-43.1,
27	13.7,	101.5,	333.6,	-137.0,	-40.2,	28	13.7,	154.2,	341.4,	-135.3,	-33.0,
29	13.7,	204.2,	340.1,	-129.5,	-25.8,	30	13.7,	248.8,	328.4,	-119.8,	-18.1,
31	13.7,	285.7,	306.8,	-106.4,	-9.9,	32	13.7,	314.0,	275.8,	-89.8,	-1.4,
33	13.7,	332.7,	236.4,	-70.5,	7.2,	34	13.7,	341.3,	189.9,	-49.0,	15.5,
35	13.7,	339.6,	138.4,	-26.1,	23.4,	36	13.7,	333.6,	101.5,	-10.5,	29.9,

\*\*\* AERMOD - VERSION 23132 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\15639  
 Spreckels\15639 Ops HRA\1 \*\*\* 09/20/24

\*\*\* AERMET - VERSION 21112 \*\*\*  
 \*\*\*

\*\*\* 09:17:47

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: TRU31

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-44.9,	39.3,	2	13.7,	340.1,	204.2,	-77.8,	44.2,
3	13.7,	328.4,	248.8,	-108.3,	47.8,	4	13.7,	306.8,	285.7,	-135.6,	49.9,
5	13.7,	275.8,	314.0,	-158.7,	50.5,	6	13.7,	236.4,	332.7,	-177.1,	49.6,
7	13.7,	189.9,	341.3,	-190.0,	47.2,	8	13.7,	138.4,	339.6,	-197.1,	43.7,
9	13.7,	101.5,	333.6,	-200.6,	40.1,	10	13.7,	154.2,	341.4,	-210.0,	32.2,
11	13.7,	204.2,	340.1,	-214.3,	24.3,	12	13.7,	248.8,	328.4,	-212.0,	16.0,
13	13.7,	285.7,	306.8,	-203.3,	7.2,	14	13.7,	314.0,	275.8,	-188.4,	-1.8,
15	13.7,	332.7,	236.4,	-167.8,	-10.7,	16	13.7,	341.3,	189.9,	-142.1,	-19.3,
17	13.7,	339.6,	138.4,	-112.8,	-27.4,	18	13.7,	333.6,	101.5,	-90.8,	-33.8,
19	13.7,	341.4,	154.2,	-109.3,	-39.3,	20	13.7,	340.1,	204.2,	-126.4,	-44.2,
21	13.7,	328.4,	248.8,	-140.4,	-47.8,	22	13.7,	306.8,	285.7,	-150.1,	-49.9,
23	13.7,	275.8,	314.0,	-155.2,	-50.5,	24	13.7,	236.4,	332.7,	-155.6,	-49.6,
25	13.7,	189.9,	341.3,	-151.3,	-47.2,	26	13.7,	138.4,	339.6,	-142.4,	-43.7,
27	13.7,	101.5,	333.6,	-133.0,	-40.1,	28	13.7,	154.2,	341.4,	-131.4,	-32.2,
29	13.7,	204.2,	340.1,	-125.8,	-24.3,	30	13.7,	248.8,	328.4,	-116.4,	-16.0,
31	13.7,	285.7,	306.8,	-103.4,	-7.2,	32	13.7,	314.0,	275.8,	-87.3,	1.8,
33	13.7,	332.7,	236.4,	-68.6,	10.7,	34	13.7,	341.3,	189.9,	-47.8,	19.3,
35	13.7,	339.6,	138.4,	-25.5,	27.4,	36	13.7,	333.6,	101.5,	-10.6,	33.8,

## SOURCE ID: TRU32

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-45.8,	43.3,	2	13.7,	340.1,	204.2,	-79.4,	48.0,
3	13.7,	328.4,	248.8,	-110.5,	51.2,	4	13.7,	306.8,	285.7,	-138.4,	52.9,
5	13.7,	275.8,	314.0,	-162.0,	53.0,	6	13.7,	236.4,	332.7,	-180.7,	51.4,
7	13.7,	189.9,	341.3,	-193.9,	48.3,	8	13.7,	138.4,	339.6,	-201.2,	44.2,
9	13.7,	101.5,	333.6,	-204.7,	39.9,	10	13.7,	154.2,	341.4,	-214.0,	31.3,
11	13.7,	204.2,	340.1,	-218.0,	22.7,	12	13.7,	248.8,	328.4,	-215.4,	13.8,
13	13.7,	285.7,	306.8,	-206.3,	4.5,	14	13.7,	314.0,	275.8,	-190.9,	-5.0,
15	13.7,	332.7,	236.4,	-169.7,	-14.3,	16	13.7,	341.3,	189.9,	-143.3,	-23.2,
17	13.7,	339.6,	138.4,	-113.3,	-31.4,	18	13.7,	333.6,	101.5,	-90.6,	-37.9,
19	13.7,	341.4,	154.2,	-108.3,	-43.3,	20	13.7,	340.1,	204.2,	-124.9,	-48.0,
21	13.7,	328.4,	248.8,	-138.2,	-51.2,	22	13.7,	306.8,	285.7,	-147.3,	-52.9,
23	13.7,	275.8,	314.0,	-152.0,	-53.0,	24	13.7,	236.4,	332.7,	-152.0,	-51.4,
25	13.7,	189.9,	341.3,	-147.5,	-48.3,	26	13.7,	138.4,	339.6,	-138.4,	-44.2,
27	13.7,	101.5,	333.6,	-128.9,	-39.9,	28	13.7,	154.2,	341.4,	-127.4,	-31.3,
29	13.7,	204.2,	340.1,	-122.1,	-22.7,	30	13.7,	248.8,	328.4,	-113.0,	-13.8,
31	13.7,	285.7,	306.8,	-100.5,	-4.5,	32	13.7,	314.0,	275.8,	-84.9,	5.0,
33	13.7,	332.7,	236.4,	-66.8,	14.3,	34	13.7,	341.3,	189.9,	-46.6,	23.2,
35	13.7,	339.6,	138.4,	-25.0,	31.4,	36	13.7,	333.6,	101.5,	-10.8,	37.9,

## SOURCE ID: TRU33

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-46.5,	47.2,	2	13.7,	340.1,	204.2,	-80.8,	51.7,
3	13.7,	328.4,	248.8,	-112.6,	54.7,	4	13.7,	306.8,	285.7,	-141.0,	55.9,
5	13.7,	275.8,	314.0,	-165.1,	55.5,	6	13.7,	236.4,	332.7,	-184.2,	53.4,
7	13.7,	189.9,	341.3,	-197.6,	49.7,	8	13.7,	138.4,	339.6,	-205.1,	44.8,
9	13.7,	101.5,	333.6,	-208.7,	39.8,	10	13.7,	154.2,	341.4,	-217.9,	30.5,
11	13.7,	204.2,	340.1,	-221.8,	21.3,	12	13.7,	248.8,	328.4,	-218.9,	11.8,
13	13.7,	285.7,	306.8,	-209.3,	1.9,	14	13.7,	314.0,	275.8,	-193.4,	-8.1,
15	13.7,	332.7,	236.4,	-171.6,	-17.8,	16	13.7,	341.3,	189.9,	-144.6,	-27.0,
17	13.7,	339.6,	138.4,	-114.0,	-35.3,	18	13.7,	333.6,	101.5,	-90.6,	-41.9,
19	13.7,	341.4,	154.2,	-107.6,	-47.2,	20	13.7,	340.1,	204.2,	-123.5,	-51.7,
21	13.7,	328.4,	248.8,	-136.2,	-54.7,	22	13.7,	306.8,	285.7,	-144.7,	-55.9,
23	13.7,	275.8,	314.0,	-148.9,	-55.5,	24	13.7,	236.4,	332.7,	-148.5,	-53.4,
25	13.7,	189.9,	341.3,	-143.7,	-49.7,	26	13.7,	138.4,	339.6,	-134.4,	-44.8,
27	13.7,	101.5,	333.6,	-124.9,	-39.8,	28	13.7,	154.2,	341.4,	-123.5,	-30.5,
29	13.7,	204.2,	340.1,	-118.3,	-21.3,	30	13.7,	248.8,	328.4,	-109.5,	-11.8,
31	13.7,	285.7,	306.8,	-97.4,	-1.9,	32	13.7,	314.0,	275.8,	-82.4,	8.1,
33	13.7,	332.7,	236.4,	-64.8,	17.8,	34	13.7,	341.3,	189.9,	-45.3,	27.0,
35	13.7,	339.6,	138.4,	-24.4,	35.3,	36	13.7,	333.6,	101.5,	-10.9,	41.9,

## SOURCE ID: TRU34

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-48.2,	54.9,	2	13.7,	340.1,	204.2,	-83.8,	59.0,
3	13.7,	328.4,	248.8,	-116.8,	61.3,	4	13.7,	306.8,	285.7,	-146.2,	61.7,
5	13.7,	275.8,	314.0,	-171.2,	60.3,	6	13.7,	236.4,	332.7,	-191.1,	57.0,
7	13.7,	189.9,	341.3,	-205.1,	52.1,	8	13.7,	138.4,	339.6,	-212.9,	45.9,
9	13.7,	101.5,	333.6,	-216.5,	39.5,	10	13.7,	154.2,	341.4,	-225.6,	28.9,
11	13.7,	204.2,	340.1,	-229.0,	18.4,	12	13.7,	248.8,	328.4,	-225.5,	7.6,
13	13.7,	285.7,	306.8,	-215.1,	-3.4,	14	13.7,	314.0,	275.8,	-198.2,	-14.3,
15	13.7,	332.7,	236.4,	-175.3,	-24.7,	16	13.7,	341.3,	189.9,	-147.0,	-34.4,
17	13.7,	339.6,	138.4,	-115.0,	-43.1,	18	13.7,	333.6,	101.5,	-90.3,	-49.7,
19	13.7,	341.4,	154.2,	-106.0,	-54.9,	20	13.7,	340.1,	204.2,	-120.5,	-59.0,
21	13.7,	328.4,	248.8,	-132.0,	-61.3,	22	13.7,	306.8,	285.7,	-139.5,	-61.7,
23	13.7,	275.8,	314.0,	-142.7,	-60.3,	24	13.7,	236.4,	332.7,	-141.6,	-57.0,
25	13.7,	189.9,	341.3,	-136.2,	-52.1,	26	13.7,	138.4,	339.6,	-126.7,	-45.9,
27	13.7,	101.5,	333.6,	-117.1,	-39.5,	28	13.7,	154.2,	341.4,	-115.8,	-28.9,
29	13.7,	204.2,	340.1,	-111.1,	-18.4,	30	13.7,	248.8,	328.4,	-102.9,	-7.6,
31	13.7,	285.7,	306.8,	-91.6,	3.4,	32	13.7,	314.0,	275.8,	-77.6,	14.3,
33	13.7,	332.7,	236.4,	-61.2,	24.7,	34	13.7,	341.3,	189.9,	-42.9,	34.4,
35	13.7,	339.6,	138.4,	-23.3,	43.1,	36	13.7,	333.6,	101.5,	-11.2,	49.7,

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: TRU35

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-48.8,	58.8,	2	13.7,	340.1,	204.2,	-85.1,	62.7,
3	13.7,	328.4,	248.8,	-118.7,	64.7,	4	13.7,	306.8,	285.7,	-148.8,	64.8,
5	13.7,	275.8,	314.0,	-174.3,	62.9,	6	13.7,	236.4,	332.7,	-194.5,	59.1,
7	13.7,	189.9,	341.3,	-208.8,	53.5,	8	13.7,	138.4,	339.6,	-216.8,	46.6,
9	13.7,	101.5,	333.6,	-220.5,	39.6,	10	13.7,	154.2,	341.4,	-229.5,	28.2,
11	13.7,	204.2,	340.1,	-232.8,	17.0,	12	13.7,	248.8,	328.4,	-228.9,	5.6,
13	13.7,	285.7,	306.8,	-218.2,	-5.9,	14	13.7,	314.0,	275.8,	-200.8,	-17.3,
15	13.7,	332.7,	236.4,	-177.3,	-28.2,	16	13.7,	341.3,	189.9,	-148.4,	-38.1,
17	13.7,	339.6,	138.4,	-115.8,	-47.0,	18	13.7,	333.6,	101.5,	-90.3,	-53.7,
19	13.7,	341.4,	154.2,	-105.3,	-58.8,	20	13.7,	340.1,	204.2,	-119.2,	-62.7,
21	13.7,	328.4,	248.8,	-130.0,	-64.7,	22	13.7,	306.8,	285.7,	-136.9,	-64.8,
23	13.7,	275.8,	314.0,	-139.7,	-62.9,	24	13.7,	236.4,	332.7,	-138.2,	-59.1,
25	13.7,	189.9,	341.3,	-132.5,	-53.5,	26	13.7,	138.4,	339.6,	-122.8,	-46.6,
27	13.7,	101.5,	333.6,	-113.1,	-39.6,	28	13.7,	154.2,	341.4,	-111.9,	-28.2,
29	13.7,	204.2,	340.1,	-107.3,	-17.0,	30	13.7,	248.8,	328.4,	-99.5,	-5.6,
31	13.7,	285.7,	306.8,	-88.6,	5.9,	32	13.7,	314.0,	275.8,	-75.0,	17.3,
33	13.7,	332.7,	236.4,	-59.1,	28.2,	34	13.7,	341.3,	189.9,	-41.5,	38.1,
35	13.7,	339.6,	138.4,	-22.6,	47.0,	36	13.7,	333.6,	101.5,	-11.1,	53.7,

SOURCE ID: TRU36

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-49.6,	62.6,	2	13.7,	340.1,	204.2,	-86.5,	66.3,
3	13.7,	328.4,	248.8,	-120.8,	68.1,	4	13.7,	306.8,	285.7,	-151.4,	67.7,
5	13.7,	275.8,	314.0,	-177.4,	65.3,	6	13.7,	236.4,	332.7,	-197.9,	60.9,
7	13.7,	189.9,	341.3,	-212.5,	54.7,	8	13.7,	138.4,	339.6,	-220.6,	47.2,
9	13.7,	101.5,	333.6,	-224.4,	39.5,	10	13.7,	154.2,	341.4,	-233.3,	27.4,
11	13.7,	204.2,	340.1,	-236.4,	15.6,	12	13.7,	248.8,	328.4,	-232.3,	3.6,
13	13.7,	285.7,	306.8,	-221.1,	-8.5,	14	13.7,	314.0,	275.8,	-203.2,	-20.4,
15	13.7,	332.7,	236.4,	-179.1,	-31.6,	16	13.7,	341.3,	189.9,	-149.6,	-41.9,
17	13.7,	339.6,	138.4,	-116.3,	-50.9,	18	13.7,	333.6,	101.5,	-90.2,	-57.6,
19	13.7,	341.4,	154.2,	-104.5,	-62.6,	20	13.7,	340.1,	204.2,	-117.7,	-66.3,
21	13.7,	328.4,	248.8,	-128.0,	-68.1,	22	13.7,	306.8,	285.7,	-134.3,	-67.7,
23	13.7,	275.8,	314.0,	-136.6,	-65.3,	24	13.7,	236.4,	332.7,	-134.8,	-60.9,
25	13.7,	189.9,	341.3,	-128.8,	-54.7,	26	13.7,	138.4,	339.6,	-118.9,	-47.2,
27	13.7,	101.5,	333.6,	-109.2,	-39.5,	28	13.7,	154.2,	341.4,	-108.1,	-27.4,
29	13.7,	204.2,	340.1,	-103.7,	-15.6,	30	13.7,	248.8,	328.4,	-96.1,	-3.6,
31	13.7,	285.7,	306.8,	-85.6,	8.5,	32	13.7,	314.0,	275.8,	-72.6,	20.4,
33	13.7,	332.7,	236.4,	-57.3,	31.6,	34	13.7,	341.3,	189.9,	-40.3,	41.9,
35	13.7,	339.6,	138.4,	-22.0,	50.9,	36	13.7,	333.6,	101.5,	-11.3,	57.6,

SOURCE ID: TRU37

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-50.4,	66.4,	2	13.7,	340.1,	204.2,	-87.9,	70.0,
3	13.7,	328.4,	248.8,	-122.8,	71.4,	4	13.7,	306.8,	285.7,	-153.9,	70.6,
5	13.7,	275.8,	314.0,	-180.4,	67.7,	6	13.7,	236.4,	332.7,	-201.3,	62.8,
7	13.7,	189.9,	341.3,	-216.2,	55.9,	8	13.7,	138.4,	339.6,	-224.5,	47.8,
9	13.7,	101.5,	333.6,	-228.2,	39.4,	10	13.7,	154.2,	341.4,	-237.1,	26.7,
11	13.7,	204.2,	340.1,	-240.0,	14.2,	12	13.7,	248.8,	328.4,	-235.6,	1.6,
13	13.7,	285.7,	306.8,	-224.0,	-11.1,	14	13.7,	314.0,	275.8,	-205.6,	-23.4,
15	13.7,	332.7,	236.4,	-181.0,	-35.0,	16	13.7,	341.3,	189.9,	-150.9,	-45.5,
17	13.7,	339.6,	138.4,	-116.9,	-54.7,	18	13.7,	333.6,	101.5,	-90.1,	-61.4,
19	13.7,	341.4,	154.2,	-103.8,	-66.4,	20	13.7,	340.1,	204.2,	-116.3,	-70.0,

21	13.7,	328.4,	248.8,	-126.0,	-71.4,	22	13.7,	306.8,	285.7,	-131.8,	-70.6,
23	13.7,	275.8,	314.0,	-133.6,	-67.7,	24	13.7,	236.4,	332.7,	-131.4,	-62.8,
25	13.7,	189.9,	341.3,	-125.1,	-55.9,	26	13.7,	138.4,	339.6,	-115.1,	-47.8,
27	13.7,	101.5,	333.6,	-105.3,	-39.4,	28	13.7,	154.2,	341.4,	-104.3,	-26.7,
29	13.7,	204.2,	340.1,	-100.1,	-14.2,	30	13.7,	248.8,	328.4,	-92.8,	-1.6,
31	13.7,	285.7,	306.8,	-82.7,	11.1,	32	13.7,	314.0,	275.8,	-70.1,	23.4,
33	13.7,	332.7,	236.4,	-55.4,	35.0,	34	13.7,	341.3,	189.9,	-39.0,	45.5,
35	13.7,	339.6,	138.4,	-21.4,	54.7,	36	13.7,	333.6,	101.5,	-11.3,	61.4,

SOURCE ID: TRU38

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-51.2,	70.3,	2	13.7,	340.1,	204.2,	-89.4,	73.6,
3	13.7,	328.4,	248.8,	-124.9,	74.8,	4	13.7,	306.8,	285.7,	-156.6,	73.6,
5	13.7,	275.8,	314.0,	-183.5,	70.2,	6	13.7,	236.4,	332.7,	-204.8,	64.7,
7	13.7,	189.9,	341.3,	-220.0,	57.2,	8	13.7,	138.4,	339.6,	-228.4,	48.3,
9	13.7,	101.5,	333.6,	-232.2,	39.3,	10	13.7,	154.2,	341.4,	-241.0,	25.9,
11	13.7,	204.2,	340.1,	-243.7,	12.7,	12	13.7,	248.8,	328.4,	-239.0,	-0.5,
13	13.7,	285.7,	306.8,	-227.0,	-13.7,	14	13.7,	314.0,	275.8,	-208.1,	-26.5,
15	13.7,	332.7,	236.4,	-182.9,	-38.5,	16	13.7,	341.3,	189.9,	-152.1,	-49.3,
17	13.7,	339.6,	138.4,	-117.5,	-58.6,	18	13.7,	333.6,	101.5,	-90.0,	-65.4,
19	13.7,	341.4,	154.2,	-103.0,	-70.3,	20	13.7,	340.1,	204.2,	-114.9,	-73.6,
21	13.7,	328.4,	248.8,	-123.9,	-74.8,	22	13.7,	306.8,	285.7,	-129.2,	-73.6,
23	13.7,	275.8,	314.0,	-130.5,	-70.2,	24	13.7,	236.4,	332.7,	-127.9,	-64.7,
25	13.7,	189.9,	341.3,	-121.4,	-57.2,	26	13.7,	138.4,	339.6,	-111.2,	-48.3,
27	13.7,	101.5,	333.6,	-101.4,	-39.3,	28	13.7,	154.2,	341.4,	-100.4,	-25.9,
29	13.7,	204.2,	340.1,	-96.4,	-12.7,	30	13.7,	248.8,	328.4,	-89.4,	0.5,
31	13.7,	285.7,	306.8,	-79.8,	13.7,	32	13.7,	314.0,	275.8,	-67.7,	26.5,
33	13.7,	332.7,	236.4,	-53.5,	38.5,	34	13.7,	341.3,	189.9,	-37.8,	49.3,
35	13.7,	339.6,	138.4,	-20.8,	58.6,	36	13.7,	333.6,	101.5,	-11.5,	65.4,

\*\*\* AERMOD - VERSION 23132 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\15639  
Spreckels\15639 Ops HRA\1 \*\*\* 09/20/24

\*\*\* AERMET - VERSION 21112 \*\*\*  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: TRU39

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-52.1,	74.2,	2	13.7,	340.1,	204.2,	-91.0,	77.4,
3	13.7,	328.4,	248.8,	-127.1,	78.2,	4	13.7,	306.8,	285.7,	-159.3,	76.6,
5	13.7,	275.8,	314.0,	-186.7,	72.6,	6	13.7,	236.4,	332.7,	-208.4,	66.5,
7	13.7,	189.9,	341.3,	-223.8,	58.4,	8	13.7,	138.4,	339.6,	-232.4,	48.8,
9	13.7,	101.5,	333.6,	-236.3,	39.1,	10	13.7,	154.2,	341.4,	-245.0,	25.0,
11	13.7,	204.2,	340.1,	-247.4,	11.2,	12	13.7,	248.8,	328.4,	-242.4,	-2.7,
13	13.7,	285.7,	306.8,	-230.0,	-16.5,	14	13.7,	314.0,	275.8,	-210.5,	-29.7,
15	13.7,	332.7,	236.4,	-184.7,	-42.1,	16	13.7,	341.3,	189.9,	-153.3,	-53.2,
17	13.7,	339.6,	138.4,	-118.0,	-62.6,	18	13.7,	333.6,	101.5,	-89.8,	-69.5,
19	13.7,	341.4,	154.2,	-102.0,	-74.2,	20	13.7,	340.1,	204.2,	-113.3,	-77.4,
21	13.7,	328.4,	248.8,	-121.7,	-78.2,	22	13.7,	306.8,	285.7,	-126.4,	-76.6,
23	13.7,	275.8,	314.0,	-127.3,	-72.6,	24	13.7,	236.4,	332.7,	-124.3,	-66.5,
25	13.7,	189.9,	341.3,	-117.5,	-58.4,	26	13.7,	138.4,	339.6,	-107.1,	-48.8,
27	13.7,	101.5,	333.6,	-97.3,	-39.1,	28	13.7,	154.2,	341.4,	-96.5,	-25.0,
29	13.7,	204.2,	340.1,	-92.6,	-11.2,	30	13.7,	248.8,	328.4,	-86.0,	2.7,
31	13.7,	285.7,	306.8,	-76.8,	16.5,	32	13.7,	314.0,	275.8,	-65.2,	29.7,
33	13.7,	332.7,	236.4,	-51.7,	42.1,	34	13.7,	341.3,	189.9,	-36.6,	53.2,
35	13.7,	339.6,	138.4,	-20.4,	62.6,	36	13.7,	333.6,	101.5,	-11.7,	69.5,

SOURCE ID: TRU40

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
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1	13.7,	341.4,	154.2,	-52.8,	78.2,	2	13.7,	340.1,	204.2,	-92.4,	81.1,
3	13.7,	328.4,	248.8,	-129.1,	81.6,	4	13.7,	306.8,	285.7,	-161.9,	79.6,
5	13.7,	275.8,	314.0,	-189.8,	75.2,	6	13.7,	236.4,	332.7,	-211.9,	68.5,
7	13.7,	189.9,	341.3,	-227.6,	59.7,	8	13.7,	138.4,	339.6,	-236.4,	49.5,
9	13.7,	101.5,	333.6,	-240.3,	39.0,	10	13.7,	154.2,	341.4,	-248.9,	24.2,
11	13.7,	204.2,	340.1,	-251.2,	9.7,	12	13.7,	248.8,	328.4,	-245.8,	-4.7,
13	13.7,	285.7,	306.8,	-233.0,	-19.1,	14	13.7,	314.0,	275.8,	-213.1,	-32.8,
15	13.7,	332.7,	236.4,	-186.7,	-45.6,	16	13.7,	341.3,	189.9,	-154.7,	-57.0,
17	13.7,	339.6,	138.4,	-118.7,	-66.6,	18	13.7,	333.6,	101.5,	-89.8,	-73.5,
19	13.7,	341.4,	154.2,	-101.3,	-78.2,	20	13.7,	340.1,	204.2,	-111.9,	-81.1,
21	13.7,	328.4,	248.8,	-119.6,	-81.6,	22	13.7,	306.8,	285.7,	-123.8,	-79.6,
23	13.7,	275.8,	314.0,	-124.1,	-75.2,	24	13.7,	236.4,	332.7,	-120.8,	-68.5,
25	13.7,	189.9,	341.3,	-113.7,	-59.7,	26	13.7,	138.4,	339.6,	-103.2,	-49.5,
27	13.7,	101.5,	333.6,	-93.3,	-39.0,	28	13.7,	154.2,	341.4,	-92.5,	-24.2,
29	13.7,	204.2,	340.1,	-88.9,	-9.7,	30	13.7,	248.8,	328.4,	-82.6,	4.7,
31	13.7,	285.7,	306.8,	-73.8,	19.1,	32	13.7,	314.0,	275.8,	-62.7,	32.8,
33	13.7,	332.7,	236.4,	-49.7,	45.6,	34	13.7,	341.3,	189.9,	-35.2,	57.0,
35	13.7,	339.6,	138.4,	-19.7,	66.6,	36	13.7,	333.6,	101.5,	-11.7,	73.5,

SOURCE ID: TRU41

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-54.6,	85.8,	2	13.7,	340.1,	204.2,	-95.4,	88.3,
3	13.7,	328.4,	248.8,	-133.3,	88.1,	4	13.7,	306.8,	285.7,	-167.2,	85.3,
5	13.7,	275.8,	314.0,	-196.0,	79.9,	6	13.7,	236.4,	332.7,	-218.8,	72.0,
7	13.7,	189.9,	341.3,	-235.0,	62.0,	8	13.7,	138.4,	339.6,	-244.1,	50.4,
9	13.7,	101.5,	333.6,	-248.0,	38.6,	10	13.7,	154.2,	341.4,	-256.5,	22.5,
11	13.7,	204.2,	340.1,	-258.3,	6.7,	12	13.7,	248.8,	328.4,	-252.3,	-9.0,
13	13.7,	285.7,	306.8,	-238.7,	-24.4,	14	13.7,	314.0,	275.8,	-217.8,	-39.0,
15	13.7,	332.7,	236.4,	-190.2,	-52.5,	16	13.7,	341.3,	189.9,	-156.9,	-64.4,
17	13.7,	339.6,	138.4,	-119.6,	-74.3,	18	13.7,	333.6,	101.5,	-89.4,	-81.2,
19	13.7,	341.4,	154.2,	-99.6,	-85.8,	20	13.7,	340.1,	204.2,	-108.8,	-88.3,
21	13.7,	328.4,	248.8,	-115.4,	-88.1,	22	13.7,	306.8,	285.7,	-118.5,	-85.3,
23	13.7,	275.8,	314.0,	-118.0,	-79.9,	24	13.7,	236.4,	332.7,	-113.8,	-72.0,
25	13.7,	189.9,	341.3,	-106.3,	-62.0,	26	13.7,	138.4,	339.6,	-95.5,	-50.4,
27	13.7,	101.5,	333.6,	-85.5,	-38.6,	28	13.7,	154.2,	341.4,	-84.9,	-22.5,
29	13.7,	204.2,	340.1,	-81.7,	-6.7,	30	13.7,	248.8,	328.4,	-76.0,	9.0,
31	13.7,	285.7,	306.8,	-68.1,	24.4,	32	13.7,	314.0,	275.8,	-58.0,	39.0,
33	13.7,	332.7,	236.4,	-46.2,	52.5,	34	13.7,	341.3,	189.9,	-32.9,	64.4,
35	13.7,	339.6,	138.4,	-18.7,	74.3,	36	13.7,	333.6,	101.5,	-12.1,	81.2,

SOURCE ID: TRU42

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-55.2,	89.7,	2	13.7,	340.1,	204.2,	-96.7,	92.0,
3	13.7,	328.4,	248.8,	-135.3,	91.6,	4	13.7,	306.8,	285.7,	-169.7,	88.4,
5	13.7,	275.8,	314.0,	-199.0,	82.5,	6	13.7,	236.4,	332.7,	-222.3,	74.0,
7	13.7,	189.9,	341.3,	-238.8,	63.4,	8	13.7,	138.4,	339.6,	-248.0,	51.2,
9	13.7,	101.5,	333.6,	-252.0,	38.7,	10	13.7,	154.2,	341.4,	-260.4,	21.8,
11	13.7,	204.2,	340.1,	-262.1,	5.4,	12	13.7,	248.8,	328.4,	-255.8,	-10.9,
13	13.7,	285.7,	306.8,	-241.8,	-26.9,	14	13.7,	314.0,	275.8,	-220.4,	-42.0,
15	13.7,	332.7,	236.4,	-192.3,	-55.9,	16	13.7,	341.3,	189.9,	-158.3,	-68.1,
17	13.7,	339.6,	138.4,	-120.3,	-78.2,	18	13.7,	333.6,	101.5,	-89.4,	-85.2,
19	13.7,	341.4,	154.2,	-98.9,	-89.7,	20	13.7,	340.1,	204.2,	-107.5,	-92.0,
21	13.7,	328.4,	248.8,	-113.5,	-91.6,	22	13.7,	306.8,	285.7,	-116.0,	-88.4,
23	13.7,	275.8,	314.0,	-114.9,	-82.5,	24	13.7,	236.4,	332.7,	-110.4,	-74.0,
25	13.7,	189.9,	341.3,	-102.5,	-63.4,	26	13.7,	138.4,	339.6,	-91.6,	-51.2,
27	13.7,	101.5,	333.6,	-81.6,	-38.7,	28	13.7,	154.2,	341.4,	-81.0,	-21.8,
29	13.7,	204.2,	340.1,	-78.0,	-5.4,	30	13.7,	248.8,	328.4,	-72.6,	10.9,
31	13.7,	285.7,	306.8,	-65.0,	26.9,	32	13.7,	314.0,	275.8,	-55.4,	42.0,
33	13.7,	332.7,	236.4,	-44.2,	55.9,	34	13.7,	341.3,	189.9,	-31.6,	68.1,
35	13.7,	339.6,	138.4,	-18.0,	78.2,	36	13.7,	333.6,	101.5,	-12.1,	85.2,



\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: TRU43

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-56.0,	93.5,	2	13.7,	340.1,	204.2,	-98.2,	95.7,
3	13.7,	328.4,	248.8,	-137.3,	94.9,	4	13.7,	306.8,	285.7,	-172.3,	91.3,
5	13.7,	275.8,	314.0,	-202.1,	84.9,	6	13.7,	236.4,	332.7,	-225.7,	75.9,
7	13.7,	189.9,	341.3,	-242.5,	64.6,	8	13.7,	138.4,	339.6,	-251.9,	51.7,
9	13.7,	101.5,	333.6,	-255.9,	38.5,	10	13.7,	154.2,	341.4,	-264.2,	21.1,
11	13.7,	204.2,	340.1,	-265.7,	3.9,	12	13.7,	248.8,	328.4,	-259.1,	-13.0,
13	13.7,	285.7,	306.8,	-244.7,	-29.5,	14	13.7,	314.0,	275.8,	-222.8,	-45.1,
15	13.7,	332.7,	236.4,	-194.1,	-59.4,	16	13.7,	341.3,	189.9,	-159.6,	-71.8,
17	13.7,	339.6,	138.4,	-120.9,	-82.1,	18	13.7,	333.6,	101.5,	-89.3,	-89.1,
19	13.7,	341.4,	154.2,	-98.1,	-93.5,	20	13.7,	340.1,	204.2,	-106.1,	-95.7,
21	13.7,	328.4,	248.8,	-111.4,	-94.9,	22	13.7,	306.8,	285.7,	-113.4,	-91.3,
23	13.7,	275.8,	314.0,	-111.9,	-84.9,	24	13.7,	236.4,	332.7,	-107.0,	-75.9,
25	13.7,	189.9,	341.3,	-98.8,	-64.6,	26	13.7,	138.4,	339.6,	-87.7,	-51.7,
27	13.7,	101.5,	333.6,	-77.7,	-38.5,	28	13.7,	154.2,	341.4,	-77.2,	-21.1,
29	13.7,	204.2,	340.1,	-74.3,	-3.9,	30	13.7,	248.8,	328.4,	-69.3,	13.0,
31	13.7,	285.7,	306.8,	-62.1,	29.5,	32	13.7,	314.0,	275.8,	-53.0,	45.1,
33	13.7,	332.7,	236.4,	-42.3,	59.4,	34	13.7,	341.3,	189.9,	-30.3,	71.8,
35	13.7,	339.6,	138.4,	-17.4,	82.1,	36	13.7,	333.6,	101.5,	-12.2,	89.1,

SOURCE ID: TRU44

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-56.8,	97.3,	2	13.7,	340.1,	204.2,	-99.6,	99.3,
3	13.7,	328.4,	248.8,	-139.3,	98.2,	4	13.7,	306.8,	285.7,	-174.9,	94.2,
5	13.7,	275.8,	314.0,	-205.1,	87.3,	6	13.7,	236.4,	332.7,	-229.1,	77.8,
7	13.7,	189.9,	341.3,	-246.1,	65.9,	8	13.7,	138.4,	339.6,	-255.7,	52.3,
9	13.7,	101.5,	333.6,	-259.8,	38.5,	10	13.7,	154.2,	341.4,	-268.0,	20.3,
11	13.7,	204.2,	340.1,	-269.3,	2.5,	12	13.7,	248.8,	328.4,	-262.4,	-15.0,
13	13.7,	285.7,	306.8,	-247.6,	-32.0,	14	13.7,	314.0,	275.8,	-225.2,	-48.1,
15	13.7,	332.7,	236.4,	-196.0,	-62.8,	16	13.7,	341.3,	189.9,	-160.8,	-75.5,
17	13.7,	339.6,	138.4,	-121.5,	-85.9,	18	13.7,	333.6,	101.5,	-89.2,	-93.0,
19	13.7,	341.4,	154.2,	-97.4,	-97.3,	20	13.7,	340.1,	204.2,	-104.7,	-99.3,
21	13.7,	328.4,	248.8,	-109.4,	-98.2,	22	13.7,	306.8,	285.7,	-110.8,	-94.2,
23	13.7,	275.8,	314.0,	-108.9,	-87.3,	24	13.7,	236.4,	332.7,	-103.6,	-77.8,
25	13.7,	189.9,	341.3,	-95.2,	-65.9,	26	13.7,	138.4,	339.6,	-83.9,	-52.3,
27	13.7,	101.5,	333.6,	-73.8,	-38.5,	28	13.7,	154.2,	341.4,	-73.4,	-20.3,
29	13.7,	204.2,	340.1,	-70.8,	-2.5,	30	13.7,	248.8,	328.4,	-66.0,	15.0,
31	13.7,	285.7,	306.8,	-59.2,	32.0,	32	13.7,	314.0,	275.8,	-50.6,	48.1,
33	13.7,	332.7,	236.4,	-40.4,	62.8,	34	13.7,	341.3,	189.9,	-29.1,	75.5,
35	13.7,	339.6,	138.4,	-16.8,	85.9,	36	13.7,	333.6,	101.5,	-12.2,	93.0,

SOURCE ID: TRU45

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-57.6,	101.2,	2	13.7,	340.1,	204.2,	-101.0,	103.0,
3	13.7,	328.4,	248.8,	-141.4,	101.6,	4	13.7,	306.8,	285.7,	-177.5,	97.2,
5	13.7,	275.8,	314.0,	-208.2,	89.8,	6	13.7,	236.4,	332.7,	-232.6,	79.7,
7	13.7,	189.9,	341.3,	-249.9,	67.1,	8	13.7,	138.4,	339.6,	-259.6,	52.9,
9	13.7,	101.5,	333.6,	-263.8,	38.3,	10	13.7,	154.2,	341.4,	-271.9,	19.5,
11	13.7,	204.2,	340.1,	-273.0,	1.1,	12	13.7,	248.8,	328.4,	-265.8,	-17.1,
13	13.7,	285.7,	306.8,	-250.6,	-34.7,	14	13.7,	314.0,	275.8,	-227.7,	-51.2,
15	13.7,	332.7,	236.4,	-197.9,	-66.3,	16	13.7,	341.3,	189.9,	-162.1,	-79.3,
17	13.7,	339.6,	138.4,	-122.1,	-89.8,	18	13.7,	333.6,	101.5,	-89.1,	-97.0,
19	13.7,	341.4,	154.2,	-96.6,	-101.2,	20	13.7,	340.1,	204.2,	-103.2,	-103.0,
21	13.7,	328.4,	248.8,	-107.3,	-101.6,	22	13.7,	306.8,	285.7,	-108.2,	-97.2,
23	13.7,	275.8,	314.0,	-105.7,	-89.8,	24	13.7,	236.4,	332.7,	-100.1,	-79.7,

25	13.7,	189.9,	341.3,	-91.4,	-67.1,	26	13.7,	138.4,	339.6,	-79.9,	-52.9,
27	13.7,	101.5,	333.6,	-69.8,	-38.3,	28	13.7,	154.2,	341.4,	-69.5,	-19.5,
29	13.7,	204.2,	340.1,	-67.0,	-1.1,	30	13.7,	248.8,	328.4,	-62.6,	17.1,
31	13.7,	285.7,	306.8,	-56.2,	34.7,	32	13.7,	314.0,	275.8,	-48.1,	51.2,
33	13.7,	332.7,	236.4,	-38.6,	66.3,	34	13.7,	341.3,	189.9,	-27.8,	79.3,
35	13.7,	339.6,	138.4,	-16.3,	89.8,	36	13.7,	333.6,	101.5,	-12.4,	97.0,

SOURCE ID: TRU46

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-58.5,	105.2,	2	13.7,	340.1,	204.2,	-102.6,	106.7,
3	13.7,	328.4,	248.8,	-143.6,	105.0,	4	13.7,	306.8,	285.7,	-180.3,	100.1,
5	13.7,	275.8,	314.0,	-211.5,	92.2,	6	13.7,	236.4,	332.7,	-236.2,	81.5,
7	13.7,	189.9,	341.3,	-253.8,	68.3,	8	13.7,	138.4,	339.6,	-263.7,	53.4,
9	13.7,	101.5,	333.6,	-267.8,	38.1,	10	13.7,	154.2,	341.4,	-275.9,	18.6,
11	13.7,	204.2,	340.1,	-276.8,	-0.5,	12	13.7,	248.8,	328.4,	-269.2,	-19.3,
13	13.7,	285.7,	306.8,	-253.5,	-37.4,	14	13.7,	314.0,	275.8,	-230.1,	-54.5,
15	13.7,	332.7,	236.4,	-199.7,	-69.9,	16	13.7,	341.3,	189.9,	-163.2,	-83.1,
17	13.7,	339.6,	138.4,	-122.6,	-93.9,	18	13.7,	333.6,	101.5,	-88.9,	-101.0,
19	13.7,	341.4,	154.2,	-95.7,	-105.2,	20	13.7,	340.1,	204.2,	-101.6,	-106.7,
21	13.7,	328.4,	248.8,	-105.1,	-105.0,	22	13.7,	306.8,	285.7,	-105.4,	-100.1,
23	13.7,	275.8,	314.0,	-102.5,	-92.2,	24	13.7,	236.4,	332.7,	-96.5,	-81.5,
25	13.7,	189.9,	341.3,	-87.5,	-68.3,	26	13.7,	138.4,	339.6,	-75.9,	-53.4,
27	13.7,	101.5,	333.6,	-65.8,	-38.1,	28	13.7,	154.2,	341.4,	-65.5,	-18.6,
29	13.7,	204.2,	340.1,	-63.3,	0.5,	30	13.7,	248.8,	328.4,	-59.2,	19.3,
31	13.7,	285.7,	306.8,	-53.2,	37.4,	32	13.7,	314.0,	275.8,	-45.7,	54.5,
33	13.7,	332.7,	236.4,	-36.7,	69.9,	34	13.7,	341.3,	189.9,	-26.7,	83.1,
35	13.7,	339.6,	138.4,	-15.8,	93.9,	36	13.7,	333.6,	101.5,	-12.6,	101.0,

\*\*\* AERMOD - VERSION 23132 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\15639  
 Spreckels\15639 Ops HRA\1 \*\*\*      09/20/24

\*\*\* AERMET - VERSION 21112 \*\*\*  
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\*\*\* 09:17:47

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    URBAN    ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: TTP1

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	13.1,	-102.9,	2	13.7,	340.1,	204.2,	3.9,	-85.8,
3	13.7,	328.4,	248.8,	-5.3,	-66.0,	4	13.7,	306.8,	285.7,	-14.3,	-44.3,
5	13.7,	275.8,	314.0,	-22.9,	-21.2,	6	13.7,	236.4,	332.7,	-30.9,	2.6,
7	13.7,	189.9,	341.3,	-37.8,	26.2,	8	13.7,	138.4,	339.6,	-43.7,	49.5,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	0.0,	0.0,	0.0,	0.0,	0.0,
11	13.7,	204.2,	340.1,	-84.3,	106.1,	12	13.7,	248.8,	328.4,	-98.2,	119.1,
13	13.7,	285.7,	306.8,	-109.1,	128.5,	14	13.7,	314.0,	275.8,	-116.7,	134.1,
15	13.7,	332.7,	236.4,	-120.8,	135.5,	16	13.7,	341.3,	189.9,	-121.2,	132.8,
17	13.7,	339.6,	138.4,	-118.6,	126.1,	18	13.7,	333.6,	101.5,	-123.2,	116.3,
19	13.7,	341.4,	154.2,	-167.2,	102.9,	20	13.7,	340.1,	204.2,	-208.2,	85.8,
21	13.7,	328.4,	248.8,	-243.5,	66.0,	22	13.7,	306.8,	285.7,	-271.4,	44.3,
23	13.7,	275.8,	314.0,	-291.0,	21.2,	24	13.7,	236.4,	332.7,	-301.9,	-2.6,
25	13.7,	189.9,	341.3,	-303.5,	-26.2,	26	13.7,	138.4,	339.6,	-295.9,	-49.5,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	0.0,	0.0,	0.0,	0.0,	0.0,
29	13.7,	204.2,	340.1,	-255.8,	-106.1,	30	13.7,	248.8,	328.4,	-230.2,	-119.1,
31	13.7,	285.7,	306.8,	-197.7,	-128.5,	32	13.7,	314.0,	275.8,	-159.1,	-134.1,
33	13.7,	332.7,	236.4,	-115.7,	-135.5,	34	13.7,	341.3,	189.9,	-68.7,	-132.8,
35	13.7,	339.6,	138.4,	-19.7,	-126.1,	36	13.7,	333.6,	101.5,	21.7,	-116.3,

SOURCE ID: TTP2

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	12.4,	-100.0,	2	13.7,	340.1,	204.2,	2.8,	-83.1,
3	13.7,	328.4,	248.8,	-6.8,	-63.6,	4	13.7,	306.8,	285.7,	-16.3,	-42.1,

5	13.7,	275.8,	314.0,	-25.2,	-19.4,	6	13.7,	236.4,	332.7,	-33.4,	3.9,
7	13.7,	189.9,	341.3,	-40.6,	27.1,	8	13.7,	138.4,	339.6,	-46.6,	49.8,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	0.0,	0.0,	0.0,	0.0,	0.0,
11	13.7,	204.2,	340.1,	-87.0,	105.0,	12	13.7,	248.8,	328.4,	-100.6,	117.6,
13	13.7,	285.7,	306.8,	-111.3,	126.6,	14	13.7,	314.0,	275.8,	-118.5,	131.7,
15	13.7,	332.7,	236.4,	-122.1,	132.9,	16	13.7,	341.3,	189.9,	-122.0,	130.0,
17	13.7,	339.6,	138.4,	-119.0,	123.2,	18	13.7,	333.6,	101.5,	-123.1,	113.4,
19	13.7,	341.4,	154.2,	-166.6,	100.0,	20	13.7,	340.1,	204.2,	-207.1,	83.1,
21	13.7,	328.4,	248.8,	-241.9,	63.6,	22	13.7,	306.8,	285.7,	-269.4,	42.1,
23	13.7,	275.8,	314.0,	-288.7,	19.4,	24	13.7,	236.4,	332.7,	-299.3,	-3.9,
25	13.7,	189.9,	341.3,	-300.7,	-27.1,	26	13.7,	138.4,	339.6,	-293.0,	-49.8,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	0.0,	0.0,	0.0,	0.0,	0.0,
29	13.7,	204.2,	340.1,	-253.1,	-105.0,	30	13.7,	248.8,	328.4,	-227.8,	-117.6,
31	13.7,	285.7,	306.8,	-195.5,	-126.6,	32	13.7,	314.0,	275.8,	-157.3,	-131.7,
33	13.7,	332.7,	236.4,	-114.3,	-132.9,	34	13.7,	341.3,	189.9,	-67.8,	-130.0,
35	13.7,	339.6,	138.4,	-19.3,	-123.2,	36	13.7,	333.6,	101.5,	21.6,	-113.4,

SOURCE ID: TTP3

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	11.9,	-97.0,	2	13.7,	340.1,	204.2,	1.8,	-80.2,
3	13.7,	328.4,	248.8,	-8.4,	-60.9,	4	13.7,	306.8,	285.7,	-18.2,	-39.8,
5	13.7,	275.8,	314.0,	-27.6,	-17.4,	6	13.7,	236.4,	332.7,	-36.1,	5.4,
7	13.7,	189.9,	341.3,	-43.5,	28.2,	8	13.7,	138.4,	339.6,	-49.6,	50.4,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	0.0,	0.0,	0.0,	0.0,	0.0,
11	13.7,	204.2,	340.1,	-89.8,	103.9,	12	13.7,	248.8,	328.4,	-103.3,	116.0,
13	13.7,	285.7,	306.8,	-113.6,	124.6,	14	13.7,	314.0,	275.8,	-120.5,	129.4,
15	13.7,	332.7,	236.4,	-123.6,	130.3,	16	13.7,	341.3,	189.9,	-123.1,	127.2,
17	13.7,	339.6,	138.4,	-119.6,	120.2,	18	13.7,	333.6,	101.5,	-123.1,	110.3,
19	13.7,	341.4,	154.2,	-166.0,	97.0,	20	13.7,	340.1,	204.2,	-206.1,	80.2,
21	13.7,	328.4,	248.8,	-240.4,	60.9,	22	13.7,	306.8,	285.7,	-267.5,	39.8,
23	13.7,	275.8,	314.0,	-286.4,	17.4,	24	13.7,	236.4,	332.7,	-296.6,	-5.4,
25	13.7,	189.9,	341.3,	-297.8,	-28.2,	26	13.7,	138.4,	339.6,	-290.0,	-50.4,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	0.0,	0.0,	0.0,	0.0,	0.0,
29	13.7,	204.2,	340.1,	-250.2,	-103.9,	30	13.7,	248.8,	328.4,	-225.1,	-116.0,
31	13.7,	285.7,	306.8,	-193.2,	-124.6,	32	13.7,	314.0,	275.8,	-155.3,	-129.4,
33	13.7,	332.7,	236.4,	-112.8,	-130.3,	34	13.7,	341.3,	189.9,	-66.8,	-127.2,
35	13.7,	339.6,	138.4,	-18.8,	-120.2,	36	13.7,	333.6,	101.5,	21.6,	-110.3,

SOURCE ID: TTP4

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	11.1,	-94.0,	2	13.7,	340.1,	204.2,	0.5,	-77.3,
3	13.7,	328.4,	248.8,	-10.1,	-58.3,	4	13.7,	306.8,	285.7,	-20.5,	-37.5,
5	13.7,	275.8,	314.0,	-30.2,	-15.6,	6	13.7,	236.4,	332.7,	-38.9,	6.8,
7	13.7,	189.9,	341.3,	-46.5,	29.0,	8	13.7,	138.4,	339.6,	-52.7,	50.7,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	0.0,	0.0,	0.0,	0.0,	0.0,
11	13.7,	204.2,	340.1,	-92.7,	102.6,	12	13.7,	248.8,	328.4,	-105.9,	114.2,
13	13.7,	285.7,	306.8,	-115.9,	122.4,	14	13.7,	314.0,	275.8,	-122.3,	126.8,
15	13.7,	332.7,	236.4,	-125.0,	127.4,	16	13.7,	341.3,	189.9,	-123.9,	124.1,
17	13.7,	339.6,	138.4,	-119.9,	117.1,	18	13.7,	333.6,	101.5,	-122.8,	107.2,
19	13.7,	341.4,	154.2,	-165.2,	94.0,	20	13.7,	340.1,	204.2,	-204.7,	77.3,
21	13.7,	328.4,	248.8,	-238.6,	58.3,	22	13.7,	306.8,	285.7,	-265.2,	37.5,
23	13.7,	275.8,	314.0,	-283.8,	15.6,	24	13.7,	236.4,	332.7,	-293.8,	-6.8,
25	13.7,	189.9,	341.3,	-294.8,	-29.0,	26	13.7,	138.4,	339.6,	-286.8,	-50.7,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	0.0,	0.0,	0.0,	0.0,	0.0,
29	13.7,	204.2,	340.1,	-247.4,	-102.6,	30	13.7,	248.8,	328.4,	-222.5,	-114.2,
31	13.7,	285.7,	306.8,	-190.9,	-122.4,	32	13.7,	314.0,	275.8,	-153.5,	-126.8,
33	13.7,	332.7,	236.4,	-111.4,	-127.4,	34	13.7,	341.3,	189.9,	-66.0,	-124.1,
35	13.7,	339.6,	138.4,	-18.5,	-117.1,	36	13.7,	333.6,	101.5,	21.4,	-107.2,

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

## \*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: TTP5

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	10.5,	-91.0,	2	13.7,	340.1,	204.2,	-0.7,	-74.5,
3	13.7,	328.4,	248.8,	-11.8,	-55.7,	4	13.7,	306.8,	285.7,	-22.5,	-35.3,
5	13.7,	275.8,	314.0,	-32.6,	-13.7,	6	13.7,	236.4,	332.7,	-41.6,	8.2,
7	13.7,	189.9,	341.3,	-49.4,	29.9,	8	13.7,	138.4,	339.6,	-55.7,	51.1,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	0.0,	0.0,	0.0,	0.0,	0.0,
11	13.7,	204.2,	340.1,	-95.5,	101.5,	12	13.7,	248.8,	328.4,	-108.5,	112.6,
13	13.7,	285.7,	306.8,	-118.1,	120.3,	14	13.7,	314.0,	275.8,	-124.2,	124.4,
15	13.7,	332.7,	236.4,	-126.4,	124.7,	16	13.7,	341.3,	189.9,	-124.9,	121.2,
17	13.7,	339.6,	138.4,	-120.3,	114.0,	18	13.7,	333.6,	101.5,	-122.7,	104.1,
19	13.7,	341.4,	154.2,	-164.6,	91.0,	20	13.7,	340.1,	204.2,	-203.6,	74.5,
21	13.7,	328.4,	248.8,	-237.0,	55.7,	22	13.7,	306.8,	285.7,	-263.2,	35.3,
23	13.7,	275.8,	314.0,	-281.4,	13.7,	24	13.7,	236.4,	332.7,	-291.1,	-8.2,
25	13.7,	189.9,	341.3,	-291.9,	-29.9,	26	13.7,	138.4,	339.6,	-283.8,	-51.1,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	0.0,	0.0,	0.0,	0.0,	0.0,
29	13.7,	204.2,	340.1,	-244.5,	-101.5,	30	13.7,	248.8,	328.4,	-219.9,	-112.6,
31	13.7,	285.7,	306.8,	-188.6,	-120.3,	32	13.7,	314.0,	275.8,	-151.6,	-124.4,
33	13.7,	332.7,	236.4,	-110.0,	-124.7,	34	13.7,	341.3,	189.9,	-65.0,	-121.2,
35	13.7,	339.6,	138.4,	-18.1,	-114.0,	36	13.7,	333.6,	101.5,	21.2,	-104.1,

SOURCE ID: TTP6

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	10.1,	-88.1,	2	13.7,	340.1,	204.2,	-1.6,	-71.7,
3	13.7,	328.4,	248.8,	-13.1,	-53.1,	4	13.7,	306.8,	285.7,	-24.3,	-32.9,
5	13.7,	275.8,	314.0,	-34.7,	-11.8,	6	13.7,	236.4,	332.7,	-44.1,	9.8,
7	13.7,	189.9,	341.3,	-52.1,	31.0,	8	13.7,	138.4,	339.6,	-58.6,	51.7,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	0.0,	0.0,	0.0,	0.0,	0.0,
11	13.7,	204.2,	340.1,	-98.3,	100.6,	12	13.7,	248.8,	328.4,	-111.1,	111.2,
13	13.7,	285.7,	306.8,	-120.4,	118.5,	14	13.7,	314.0,	275.8,	-126.1,	122.2,
15	13.7,	332.7,	236.4,	-128.0,	122.2,	16	13.7,	341.3,	189.9,	-126.0,	118.5,
17	13.7,	339.6,	138.4,	-120.9,	111.2,	18	13.7,	333.6,	101.5,	-122.8,	101.2,
19	13.7,	341.4,	154.2,	-164.2,	88.1,	20	13.7,	340.1,	204.2,	-202.7,	71.7,
21	13.7,	328.4,	248.8,	-235.6,	53.1,	22	13.7,	306.8,	285.7,	-261.4,	32.9,
23	13.7,	275.8,	314.0,	-279.2,	11.8,	24	13.7,	236.4,	332.7,	-288.6,	-9.8,
25	13.7,	189.9,	341.3,	-289.2,	-31.0,	26	13.7,	138.4,	339.6,	-281.0,	-51.7,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	0.0,	0.0,	0.0,	0.0,	0.0,
29	13.7,	204.2,	340.1,	-241.7,	-100.6,	30	13.7,	248.8,	328.4,	-217.3,	-111.2,
31	13.7,	285.7,	306.8,	-186.3,	-118.5,	32	13.7,	314.0,	275.8,	-149.7,	-122.2,
33	13.7,	332.7,	236.4,	-108.4,	-122.2,	34	13.7,	341.3,	189.9,	-63.9,	-118.5,
35	13.7,	339.6,	138.4,	-17.5,	-111.2,	36	13.7,	333.6,	101.5,	21.4,	-101.2,

SOURCE ID: TTP7

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	9.3,	-85.3,	2	13.7,	340.1,	204.2,	-2.8,	-69.0,
3	13.7,	328.4,	248.8,	-14.8,	-50.7,	4	13.7,	306.8,	285.7,	-26.4,	-30.9,
5	13.7,	275.8,	314.0,	-37.1,	-10.1,	6	13.7,	236.4,	332.7,	-46.8,	11.0,
7	13.7,	189.9,	341.3,	-55.0,	31.8,	8	13.7,	138.4,	339.6,	-61.5,	52.0,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	0.0,	0.0,	0.0,	0.0,	0.0,
11	13.7,	204.2,	340.1,	-101.0,	99.3,	12	13.7,	248.8,	328.4,	-113.5,	109.6,
13	13.7,	285.7,	306.8,	-122.5,	116.5,	14	13.7,	314.0,	275.8,	-127.8,	119.9,
15	13.7,	332.7,	236.4,	-129.2,	119.6,	16	13.7,	341.3,	189.9,	-126.8,	115.7,
17	13.7,	339.6,	138.4,	-121.2,	108.3,	18	13.7,	333.6,	101.5,	-122.6,	98.3,
19	13.7,	341.4,	154.2,	-163.5,	85.3,	20	13.7,	340.1,	204.2,	-201.5,	69.0,
21	13.7,	328.4,	248.8,	-234.0,	50.7,	22	13.7,	306.8,	285.7,	-259.3,	30.9,
23	13.7,	275.8,	314.0,	-276.9,	10.1,	24	13.7,	236.4,	332.7,	-285.9,	-11.0,
25	13.7,	189.9,	341.3,	-286.3,	-31.8,	26	13.7,	138.4,	339.6,	-278.0,	-52.0,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	0.0,	0.0,	0.0,	0.0,	0.0,

29	13.7,	204.2,	340.1,	-239.1,	-99.3,	30	13.7,	248.8,	328.4,	-214.9,	-109.6,
31	13.7,	285.7,	306.8,	-184.2,	-116.5,	32	13.7,	314.0,	275.8,	-148.0,	-119.9,
33	13.7,	332.7,	236.4,	-107.2,	-119.6,	34	13.7,	341.3,	189.9,	-63.1,	-115.7,
35	13.7,	339.6,	138.4,	-17.2,	-108.3,	36	13.7,	333.6,	101.5,	21.1,	-98.3,

SOURCE ID: TTP8

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	8.7,	-82.4,	2	13.7,	340.1,	204.2,	-3.9,	-66.3,
3	13.7,	328.4,	248.8,	-16.4,	-48.2,	4	13.7,	306.8,	285.7,	-28.3,	-28.7,
5	13.7,	275.8,	314.0,	-39.4,	-8.3,	6	13.7,	236.4,	332.7,	-49.3,	12.4,
7	13.7,	189.9,	341.3,	-57.8,	32.7,	8	13.7,	138.4,	339.6,	-64.4,	52.4,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	0.0,	0.0,	0.0,	0.0,	0.0,
11	13.7,	204.2,	340.1,	-103.7,	98.2,	12	13.7,	248.8,	328.4,	-116.0,	108.0,
13	13.7,	285.7,	306.8,	-124.7,	114.5,	14	13.7,	314.0,	275.8,	-129.6,	117.5,
15	13.7,	332.7,	236.4,	-130.6,	117.0,	16	13.7,	341.3,	189.9,	-127.6,	112.9,
17	13.7,	339.6,	138.4,	-121.6,	105.4,	18	13.7,	333.6,	101.5,	-122.5,	95.3,
19	13.7,	341.4,	154.2,	-162.8,	82.4,	20	13.7,	340.1,	204.2,	-200.4,	66.3,
21	13.7,	328.4,	248.8,	-232.4,	48.2,	22	13.7,	306.8,	285.7,	-257.4,	28.7,
23	13.7,	275.8,	314.0,	-274.5,	8.3,	24	13.7,	236.4,	332.7,	-283.3,	-12.4,
25	13.7,	189.9,	341.3,	-283.6,	-32.7,	26	13.7,	138.4,	339.6,	-275.1,	-52.4,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	0.0,	0.0,	0.0,	0.0,	0.0,
29	13.7,	204.2,	340.1,	-236.4,	-98.2,	30	13.7,	248.8,	328.4,	-212.4,	-108.0,
31	13.7,	285.7,	306.8,	-182.1,	-114.5,	32	13.7,	314.0,	275.8,	-146.2,	-117.5,
33	13.7,	332.7,	236.4,	-105.8,	-117.0,	34	13.7,	341.3,	189.9,	-62.2,	-112.9,
35	13.7,	339.6,	138.4,	-16.8,	-105.4,	36	13.7,	333.6,	101.5,	21.0,	-95.3,

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\*\*\* AERMET - VERSION 21112 \*\*\*

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\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: TTP9

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	8.2,	-79.4,	2	13.7,	340.1,	204.2,	-4.9,	-63.5,
3	13.7,	328.4,	248.8,	-17.9,	-45.6,	4	13.7,	306.8,	285.7,	-30.3,	-26.4,
5	13.7,	275.8,	314.0,	-41.8,	-6.3,	6	13.7,	236.4,	332.7,	-52.0,	13.9,
7	13.7,	189.9,	341.3,	-60.6,	33.7,	8	13.7,	138.4,	339.6,	-67.4,	52.9,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	0.0,	0.0,	0.0,	0.0,	0.0,
11	13.7,	204.2,	340.1,	-106.6,	97.2,	12	13.7,	248.8,	328.4,	-118.6,	106.5,
13	13.7,	285.7,	306.8,	-127.0,	112.6,	14	13.7,	314.0,	275.8,	-131.6,	115.2,
15	13.7,	332.7,	236.4,	-132.1,	114.4,	16	13.7,	341.3,	189.9,	-128.7,	110.0,
17	13.7,	339.6,	138.4,	-122.1,	102.4,	18	13.7,	333.6,	101.5,	-122.5,	92.3,
19	13.7,	341.4,	154.2,	-162.3,	79.4,	20	13.7,	340.1,	204.2,	-199.3,	63.5,
21	13.7,	328.4,	248.8,	-230.9,	45.6,	22	13.7,	306.8,	285.7,	-255.4,	26.4,
23	13.7,	275.8,	314.0,	-272.2,	6.3,	24	13.7,	236.4,	332.7,	-280.7,	-13.9,
25	13.7,	189.9,	341.3,	-280.7,	-33.7,	26	13.7,	138.4,	339.6,	-272.1,	-52.9,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	0.0,	0.0,	0.0,	0.0,	0.0,
29	13.7,	204.2,	340.1,	-233.5,	-97.2,	30	13.7,	248.8,	328.4,	-209.8,	-106.5,
31	13.7,	285.7,	306.8,	-179.7,	-112.6,	32	13.7,	314.0,	275.8,	-144.2,	-115.2,
33	13.7,	332.7,	236.4,	-104.3,	-114.4,	34	13.7,	341.3,	189.9,	-61.2,	-110.0,
35	13.7,	339.6,	138.4,	-16.3,	-102.4,	36	13.7,	333.6,	101.5,	21.0,	-92.3,

SOURCE ID: TTP10

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	7.4,	-76.3,	2	13.7,	340.1,	204.2,	-6.3,	-60.6,
3	13.7,	328.4,	248.8,	-19.7,	-43.0,	4	13.7,	306.8,	285.7,	-32.5,	-24.1,
5	13.7,	275.8,	314.0,	-44.4,	-4.5,	6	13.7,	236.4,	332.7,	-54.9,	15.3,
7	13.7,	189.9,	341.3,	-63.7,	34.6,	8	13.7,	138.4,	339.6,	-70.6,	53.2,

9	0.0,	0.0,	0.0,	0.0,	0.0,	10	0.0,	0.0,	0.0,	0.0,	0.0,
11	13.7,	204.2,	340.1,	-109.5,	95.9,	12	13.7,	248.8,	328.4,	-121.2,	104.7,
13	13.7,	285.7,	306.8,	-129.3,	110.3,	14	13.7,	314.0,	275.8,	-133.4,	112.6,
15	13.7,	332.7,	236.4,	-133.5,	111.5,	16	13.7,	341.3,	189.9,	-129.5,	107.0,
17	13.7,	339.6,	138.4,	-122.4,	99.2,	18	13.7,	333.6,	101.5,	-122.2,	89.1,
19	13.7,	341.4,	154.2,	-161.5,	76.3,	20	13.7,	340.1,	204.2,	-198.0,	60.6,
21	13.7,	328.4,	248.8,	-229.1,	43.0,	22	13.7,	306.8,	285.7,	-253.2,	24.1,
23	13.7,	275.8,	314.0,	-269.6,	4.5,	24	13.7,	236.4,	332.7,	-277.8,	-15.3,
25	13.7,	189.9,	341.3,	-277.6,	-34.6,	26	13.7,	138.4,	339.6,	-269.0,	-53.2,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	0.0,	0.0,	0.0,	0.0,	0.0,
29	13.7,	204.2,	340.1,	-230.6,	-95.9,	30	13.7,	248.8,	328.4,	-207.2,	-104.7,
31	13.7,	285.7,	306.8,	-177.5,	-110.3,	32	13.7,	314.0,	275.8,	-142.4,	-112.6,
33	13.7,	332.7,	236.4,	-102.9,	-111.5,	34	13.7,	341.3,	189.9,	-60.4,	-107.0,
35	13.7,	339.6,	138.4,	-16.0,	-99.2,	36	13.7,	333.6,	101.5,	20.8,	-89.1,

SOURCE ID: TTP11

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	6.7,	-73.3,	2	13.7,	340.1,	204.2,	-7.4,	-57.8,
3	13.7,	328.4,	248.8,	-21.3,	-40.4,	4	13.7,	306.8,	285.7,	-34.6,	-21.9,
5	13.7,	275.8,	314.0,	-46.8,	-2.6,	6	13.7,	236.4,	332.7,	-57.5,	16.7,
7	13.7,	189.9,	341.3,	-66.6,	35.5,	8	13.7,	138.4,	339.6,	-73.6,	53.6,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-97.3,	83.8,
11	13.7,	204.2,	340.1,	-112.3,	94.7,	12	13.7,	248.8,	328.4,	-123.8,	103.1,
13	13.7,	285.7,	306.8,	-131.5,	108.3,	14	13.7,	314.0,	275.8,	-135.3,	110.2,
15	13.7,	332.7,	236.4,	-134.9,	108.8,	16	13.7,	341.3,	189.9,	-130.5,	104.1,
17	13.7,	339.6,	138.4,	-122.8,	96.2,	18	13.7,	333.6,	101.5,	-122.1,	86.1,
19	13.7,	341.4,	154.2,	-160.9,	73.3,	20	13.7,	340.1,	204.2,	-196.8,	57.8,
21	13.7,	328.4,	248.8,	-227.4,	40.4,	22	13.7,	306.8,	285.7,	-251.1,	21.9,
23	13.7,	275.8,	314.0,	-267.2,	2.6,	24	13.7,	236.4,	332.7,	-275.1,	-16.7,
25	13.7,	189.9,	341.3,	-274.7,	-35.5,	26	13.7,	138.4,	339.6,	-266.0,	-53.6,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-244.1,	-83.8,
29	13.7,	204.2,	340.1,	-227.8,	-94.7,	30	13.7,	248.8,	328.4,	-204.6,	-103.1,
31	13.7,	285.7,	306.8,	-175.2,	-108.3,	32	13.7,	314.0,	275.8,	-140.5,	-110.2,
33	13.7,	332.7,	236.4,	-101.5,	-108.8,	34	13.7,	341.3,	189.9,	-59.4,	-104.1,
35	13.7,	339.6,	138.4,	-15.6,	-96.2,	36	13.7,	333.6,	101.5,	20.6,	-86.1,

SOURCE ID: TTP12

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	6.3,	-70.5,	2	13.7,	340.1,	204.2,	-8.3,	-55.0,
3	13.7,	328.4,	248.8,	-22.7,	-37.8,	4	13.7,	306.8,	285.7,	-36.3,	-19.5,
5	13.7,	275.8,	314.0,	-48.9,	-0.6,	6	13.7,	236.4,	332.7,	-60.0,	18.3,
7	13.7,	189.9,	341.3,	-69.3,	36.6,	8	13.7,	138.4,	339.6,	-76.5,	54.2,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-100.2,	83.4,
11	13.7,	204.2,	340.1,	-115.0,	93.8,	12	13.7,	248.8,	328.4,	-126.4,	101.7,
13	13.7,	285.7,	306.8,	-133.8,	106.5,	14	13.7,	314.0,	275.8,	-137.2,	108.1,
15	13.7,	332.7,	236.4,	-136.5,	106.3,	16	13.7,	341.3,	189.9,	-131.6,	101.4,
17	13.7,	339.6,	138.4,	-123.4,	93.3,	18	13.7,	333.6,	101.5,	-122.2,	83.2,
19	13.7,	341.4,	154.2,	-160.5,	70.5,	20	13.7,	340.1,	204.2,	-196.0,	55.0,
21	13.7,	328.4,	248.8,	-226.1,	37.8,	22	13.7,	306.8,	285.7,	-249.4,	19.5,
23	13.7,	275.8,	314.0,	-265.0,	0.6,	24	13.7,	236.4,	332.7,	-272.7,	-18.3,
25	13.7,	189.9,	341.3,	-272.0,	-36.6,	26	13.7,	138.4,	339.6,	-263.1,	-54.2,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-241.2,	-83.4,
29	13.7,	204.2,	340.1,	-225.0,	-93.8,	30	13.7,	248.8,	328.4,	-202.0,	-101.7,
31	13.7,	285.7,	306.8,	-172.9,	-106.5,	32	13.7,	314.0,	275.8,	-138.5,	-108.1,
33	13.7,	332.7,	236.4,	-99.9,	-106.3,	34	13.7,	341.3,	189.9,	-58.3,	-101.4,
35	13.7,	339.6,	138.4,	-14.9,	-93.3,	36	13.7,	333.6,	101.5,	20.8,	-83.2,

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\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: TTP13

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	5.6,	-67.2,	2	13.7,	340.1,	204.2,	-9.5,	-51.9,
3	13.7,	328.4,	248.8,	-24.4,	-35.0,	4	13.7,	306.8,	285.7,	-38.6,	-17.1,
5	13.7,	275.8,	314.0,	-51.5,	1.4,	6	13.7,	236.4,	332.7,	-62.9,	19.8,
7	13.7,	189.9,	341.3,	-72.4,	37.6,	8	13.7,	138.4,	339.6,	-79.7,	54.7,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-103.5,	82.7,
11	13.7,	204.2,	340.1,	-118.1,	92.6,	12	13.7,	248.8,	328.4,	-129.2,	100.0,
13	13.7,	285.7,	306.8,	-136.3,	104.3,	14	13.7,	314.0,	275.8,	-139.3,	105.5,
15	13.7,	332.7,	236.4,	-138.0,	103.4,	16	13.7,	341.3,	189.9,	-132.6,	98.2,
17	13.7,	339.6,	138.4,	-123.9,	90.1,	18	13.7,	333.6,	101.5,	-122.1,	79.9,
19	13.7,	341.4,	154.2,	-159.8,	67.2,	20	13.7,	340.1,	204.2,	-194.7,	51.9,
21	13.7,	328.4,	248.8,	-224.3,	35.0,	22	13.7,	306.8,	285.7,	-247.2,	17.1,
23	13.7,	275.8,	314.0,	-262.4,	-1.4,	24	13.7,	236.4,	332.7,	-269.8,	-19.8,
25	13.7,	189.9,	341.3,	-268.9,	-37.6,	26	13.7,	138.4,	339.6,	-259.9,	-54.7,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-237.9,	-82.7,
29	13.7,	204.2,	340.1,	-222.0,	-92.6,	30	13.7,	248.8,	328.4,	-199.2,	-100.0,
31	13.7,	285.7,	306.8,	-170.5,	-104.3,	32	13.7,	314.0,	275.8,	-136.5,	-105.5,
33	13.7,	332.7,	236.4,	-98.4,	-103.4,	34	13.7,	341.3,	189.9,	-57.3,	-98.2,
35	13.7,	339.6,	138.4,	-14.5,	-90.1,	36	13.7,	333.6,	101.5,	20.6,	-79.9,

SOURCE ID: TTP14

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	5.0,	-64.4,	2	13.7,	340.1,	204.2,	-10.6,	-49.2,
3	13.7,	328.4,	248.8,	-26.0,	-32.6,	4	13.7,	306.8,	285.7,	-40.5,	-14.9,
5	13.7,	275.8,	314.0,	-53.8,	3.2,	6	13.7,	236.4,	332.7,	-65.5,	21.2,
7	13.7,	189.9,	341.3,	-75.2,	38.5,	8	13.7,	138.4,	339.6,	-82.6,	55.1,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-106.3,	82.1,
11	13.7,	204.2,	340.1,	-120.8,	91.5,	12	13.7,	248.8,	328.4,	-131.6,	98.4,
13	13.7,	285.7,	306.8,	-138.4,	102.3,	14	13.7,	314.0,	275.8,	-141.1,	103.1,
15	13.7,	332.7,	236.4,	-139.4,	100.8,	16	13.7,	341.3,	189.9,	-133.5,	95.5,
17	13.7,	339.6,	138.4,	-124.3,	87.2,	18	13.7,	333.6,	101.5,	-122.0,	77.0,
19	13.7,	341.4,	154.2,	-159.2,	64.4,	20	13.7,	340.1,	204.2,	-193.6,	49.2,
21	13.7,	328.4,	248.8,	-222.8,	32.6,	22	13.7,	306.8,	285.7,	-245.2,	14.9,
23	13.7,	275.8,	314.0,	-260.1,	-3.2,	24	13.7,	236.4,	332.7,	-267.2,	-21.2,
25	13.7,	189.9,	341.3,	-266.1,	-38.5,	26	13.7,	138.4,	339.6,	-256.9,	-55.1,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-235.1,	-82.1,
29	13.7,	204.2,	340.1,	-219.3,	-91.5,	30	13.7,	248.8,	328.4,	-196.8,	-98.4,
31	13.7,	285.7,	306.8,	-168.3,	-102.3,	32	13.7,	314.0,	275.8,	-134.7,	-103.1,
33	13.7,	332.7,	236.4,	-97.0,	-100.8,	34	13.7,	341.3,	189.9,	-56.4,	-95.5,
35	13.7,	339.6,	138.4,	-14.1,	-87.2,	36	13.7,	333.6,	101.5,	20.5,	-77.0,

SOURCE ID: TTP15

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	4.5,	-61.4,	2	13.7,	340.1,	204.2,	-11.7,	-46.4,
3	13.7,	328.4,	248.8,	-27.5,	-29.9,	4	13.7,	306.8,	285.7,	-42.5,	-12.6,
5	13.7,	275.8,	314.0,	-56.2,	5.1,	6	13.7,	236.4,	332.7,	-68.2,	22.7,
7	13.7,	189.9,	341.3,	-78.1,	39.6,	8	13.7,	138.4,	339.6,	-85.6,	55.6,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-109.3,	81.6,
11	13.7,	204.2,	340.1,	-123.7,	90.4,	12	13.7,	248.8,	328.4,	-134.3,	96.9,
13	13.7,	285.7,	306.8,	-140.8,	100.4,	14	13.7,	314.0,	275.8,	-143.0,	100.8,
15	13.7,	332.7,	236.4,	-140.9,	98.2,	16	13.7,	341.3,	189.9,	-134.5,	92.6,
17	13.7,	339.6,	138.4,	-124.8,	84.2,	18	13.7,	333.6,	101.5,	-122.0,	73.9,
19	13.7,	341.4,	154.2,	-158.6,	61.4,	20	13.7,	340.1,	204.2,	-192.6,	46.4,
21	13.7,	328.4,	248.8,	-221.2,	29.9,	22	13.7,	306.8,	285.7,	-243.2,	12.6,
23	13.7,	275.8,	314.0,	-257.8,	-5.1,	24	13.7,	236.4,	332.7,	-264.5,	-22.7,
25	13.7,	189.9,	341.3,	-263.2,	-39.6,	26	13.7,	138.4,	339.6,	-254.0,	-55.6,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-232.1,	-81.6,
29	13.7,	204.2,	340.1,	-216.4,	-90.4,	30	13.7,	248.8,	328.4,	-194.1,	-96.9,
31	13.7,	285.7,	306.8,	-166.0,	-100.4,	32	13.7,	314.0,	275.8,	-132.8,	-100.8,

33	13.7,	332.7,	236.4,	-95.5,	-98.2,	34	13.7,	341.3,	189.9,	-55.4,	-92.6,
35	13.7,	339.6,	138.4,	-13.6,	-84.2,	36	13.7,	333.6,	101.5,	20.5,	-73.9,

SOURCE ID: TTP16

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	3.7,	-58.3,	2	13.7,	340.1,	204.2,	-13.0,	-43.5,
3	13.7,	328.4,	248.8,	-29.3,	-27.3,	4	13.7,	306.8,	285.7,	-44.7,	-10.3,
5	13.7,	275.8,	314.0,	-58.8,	7.0,	6	13.7,	236.4,	332.7,	-71.0,	24.1,
7	13.7,	189.9,	341.3,	-81.1,	40.4,	8	13.7,	138.4,	339.6,	-88.8,	55.9,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-112.4,	80.8,
11	13.7,	204.2,	340.1,	-126.6,	89.1,	12	13.7,	248.8,	328.4,	-136.9,	95.1,
13	13.7,	285.7,	306.8,	-143.1,	98.1,	14	13.7,	314.0,	275.8,	-144.9,	98.2,
15	13.7,	332.7,	236.4,	-142.3,	95.3,	16	13.7,	341.3,	189.9,	-135.4,	89.5,
17	13.7,	339.6,	138.4,	-125.1,	81.0,	18	13.7,	333.6,	101.5,	-121.7,	70.8,
19	13.7,	341.4,	154.2,	-157.9,	58.3,	20	13.7,	340.1,	204.2,	-191.2,	43.5,
21	13.7,	328.4,	248.8,	-219.5,	27.3,	22	13.7,	306.8,	285.7,	-241.0,	10.3,
23	13.7,	275.8,	314.0,	-255.2,	-7.0,	24	13.7,	236.4,	332.7,	-261.7,	-24.1,
25	13.7,	189.9,	341.3,	-260.2,	-40.4,	26	13.7,	138.4,	339.6,	-250.8,	-55.9,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-229.0,	-80.8,
29	13.7,	204.2,	340.1,	-213.5,	-89.1,	30	13.7,	248.8,	328.4,	-191.5,	-95.1,
31	13.7,	285.7,	306.8,	-163.7,	-98.1,	32	13.7,	314.0,	275.8,	-130.9,	-98.2,
33	13.7,	332.7,	236.4,	-94.1,	-95.3,	34	13.7,	341.3,	189.9,	-54.5,	-89.5,
35	13.7,	339.6,	138.4,	-13.2,	-81.0,	36	13.7,	333.6,	101.5,	20.3,	-70.8,

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\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: TTP17

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	3.0,	-55.3,	2	13.7,	340.1,	204.2,	-14.2,	-40.6,
3	13.7,	328.4,	248.8,	-30.9,	-24.7,	4	13.7,	306.8,	285.7,	-46.8,	-8.1,
5	13.7,	275.8,	314.0,	-61.2,	8.8,	6	13.7,	236.4,	332.7,	-73.7,	25.5,
7	13.7,	189.9,	341.3,	-84.0,	41.3,	8	13.7,	138.4,	339.6,	-91.8,	56.3,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-115.4,	80.1,
11	13.7,	204.2,	340.1,	-129.4,	88.0,	12	13.7,	248.8,	328.4,	-139.5,	93.5,
13	13.7,	285.7,	306.8,	-145.3,	96.1,	14	13.7,	314.0,	275.8,	-146.7,	95.8,
15	13.7,	332.7,	236.4,	-143.7,	92.6,	16	13.7,	341.3,	189.9,	-136.3,	86.6,
17	13.7,	339.6,	138.4,	-125.5,	78.0,	18	13.7,	333.6,	101.5,	-121.6,	67.7,
19	13.7,	341.4,	154.2,	-157.2,	55.3,	20	13.7,	340.1,	204.2,	-190.1,	40.6,
21	13.7,	328.4,	248.8,	-217.8,	24.7,	22	13.7,	306.8,	285.7,	-239.0,	8.1,
23	13.7,	275.8,	314.0,	-252.8,	-8.8,	24	13.7,	236.4,	332.7,	-259.0,	-25.5,
25	13.7,	189.9,	341.3,	-257.3,	-41.3,	26	13.7,	138.4,	339.6,	-247.8,	-56.3,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-226.0,	-80.1,
29	13.7,	204.2,	340.1,	-210.7,	-88.0,	30	13.7,	248.8,	328.4,	-188.9,	-93.5,
31	13.7,	285.7,	306.8,	-161.4,	-96.1,	32	13.7,	314.0,	275.8,	-129.1,	-95.8,
33	13.7,	332.7,	236.4,	-92.7,	-92.6,	34	13.7,	341.3,	189.9,	-53.6,	-86.6,
35	13.7,	339.6,	138.4,	-12.8,	-78.0,	36	13.7,	333.6,	101.5,	20.2,	-67.7,

SOURCE ID: TTP18

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	2.7,	-52.4,	2	13.7,	340.1,	204.2,	-15.0,	-37.9,
3	13.7,	328.4,	248.8,	-32.3,	-22.1,	4	13.7,	306.8,	285.7,	-48.5,	-5.8,
5	13.7,	275.8,	314.0,	-63.3,	10.8,	6	13.7,	236.4,	332.7,	-76.2,	27.1,
7	13.7,	189.9,	341.3,	-86.7,	42.5,	8	13.7,	138.4,	339.6,	-94.6,	57.0,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-118.3,	79.7,
11	13.7,	204.2,	340.1,	-132.2,	87.1,	12	13.7,	248.8,	328.4,	-142.1,	92.1,



13	13.7,	285.7,	306.8,	-147.6,	94.3,	14	13.7,	314.0,	275.8,	-148.7,	93.7,
15	13.7,	332.7,	236.4,	-145.3,	90.2,	16	13.7,	341.3,	189.9,	-137.4,	83.9,
17	13.7,	339.6,	138.4,	-126.1,	75.1,	18	13.7,	333.6,	101.5,	-121.7,	64.8,
19	13.7,	341.4,	154.2,	-156.8,	52.4,	20	13.7,	340.1,	204.2,	-189.2,	37.9,
21	13.7,	328.4,	248.8,	-216.5,	22.1,	22	13.7,	306.8,	285.7,	-237.2,	5.8,
23	13.7,	275.8,	314.0,	-250.6,	-10.8,	24	13.7,	236.4,	332.7,	-256.5,	-27.1,
25	13.7,	189.9,	341.3,	-254.6,	-42.5,	26	13.7,	138.4,	339.6,	-244.9,	-57.0,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-223.1,	-79.7,
29	13.7,	204.2,	340.1,	-207.9,	-87.1,	30	13.7,	248.8,	328.4,	-186.3,	-92.1,
31	13.7,	285.7,	306.8,	-159.1,	-94.3,	32	13.7,	314.0,	275.8,	-127.1,	-93.7,
33	13.7,	332.7,	236.4,	-91.2,	-90.2,	34	13.7,	341.3,	189.9,	-52.5,	-83.9,
35	13.7,	339.6,	138.4,	-12.2,	-75.1,	36	13.7,	333.6,	101.5,	20.3,	-64.8,

SOURCE ID: TTP19

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	1.9,	-49.2,	2	13.7,	340.1,	204.2,	-16.4,	-34.9,
3	13.7,	328.4,	248.8,	-34.1,	-19.4,	4	13.7,	306.8,	285.7,	-50.8,	-3.4,
5	13.7,	275.8,	314.0,	-66.0,	12.7,	6	13.7,	236.4,	332.7,	-79.2,	28.5,
7	13.7,	189.9,	341.3,	-89.9,	43.3,	8	13.7,	138.4,	339.6,	-97.9,	57.3,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-121.5,	78.9,
11	13.7,	204.2,	340.1,	-135.2,	85.7,	12	13.7,	248.8,	328.4,	-144.8,	90.2,
13	13.7,	285.7,	306.8,	-150.0,	92.0,	14	13.7,	314.0,	275.8,	-150.6,	91.0,
15	13.7,	332.7,	236.4,	-146.7,	87.2,	16	13.7,	341.3,	189.9,	-138.3,	80.8,
17	13.7,	339.6,	138.4,	-126.5,	71.8,	18	13.7,	333.6,	101.5,	-121.5,	61.5,
19	13.7,	341.4,	154.2,	-156.0,	49.2,	20	13.7,	340.1,	204.2,	-187.9,	34.9,
21	13.7,	328.4,	248.8,	-214.6,	19.4,	22	13.7,	306.8,	285.7,	-234.9,	3.4,
23	13.7,	275.8,	314.0,	-248.0,	-12.7,	24	13.7,	236.4,	332.7,	-253.5,	-28.5,
25	13.7,	189.9,	341.3,	-251.4,	-43.3,	26	13.7,	138.4,	339.6,	-241.6,	-57.3,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-219.9,	-78.9,
29	13.7,	204.2,	340.1,	-204.9,	-85.7,	30	13.7,	248.8,	328.4,	-183.6,	-90.2,
31	13.7,	285.7,	306.8,	-156.8,	-92.0,	32	13.7,	314.0,	275.8,	-125.1,	-91.0,
33	13.7,	332.7,	236.4,	-89.7,	-87.2,	34	13.7,	341.3,	189.9,	-51.6,	-80.8,
35	13.7,	339.6,	138.4,	-11.9,	-71.8,	36	13.7,	333.6,	101.5,	20.0,	-61.5,

SOURCE ID: TTP20

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	1.2,	-46.4,	2	13.7,	340.1,	204.2,	-17.5,	-32.1,
3	13.7,	328.4,	248.8,	-35.7,	-16.9,	4	13.7,	306.8,	285.7,	-52.8,	-1.2,
5	13.7,	275.8,	314.0,	-68.3,	14.5,	6	13.7,	236.4,	332.7,	-81.8,	29.8,
7	13.7,	189.9,	341.3,	-92.7,	44.2,	8	13.7,	138.4,	339.6,	-100.8,	57.7,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-124.3,	78.3,
11	13.7,	204.2,	340.1,	-137.9,	84.6,	12	13.7,	248.8,	328.4,	-147.2,	88.7,
13	13.7,	285.7,	306.8,	-152.1,	90.0,	14	13.7,	314.0,	275.8,	-152.4,	88.7,
15	13.7,	332.7,	236.4,	-148.1,	84.6,	16	13.7,	341.3,	189.9,	-139.2,	78.0,
17	13.7,	339.6,	138.4,	-126.9,	69.0,	18	13.7,	333.6,	101.5,	-121.4,	58.6,
19	13.7,	341.4,	154.2,	-155.4,	46.4,	20	13.7,	340.1,	204.2,	-186.7,	32.1,
21	13.7,	328.4,	248.8,	-213.1,	16.9,	22	13.7,	306.8,	285.7,	-232.9,	1.2,
23	13.7,	275.8,	314.0,	-245.7,	-14.5,	24	13.7,	236.4,	332.7,	-251.0,	-29.8,
25	13.7,	189.9,	341.3,	-248.6,	-44.2,	26	13.7,	138.4,	339.6,	-238.7,	-57.7,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-217.1,	-78.3,
29	13.7,	204.2,	340.1,	-202.2,	-84.6,	30	13.7,	248.8,	328.4,	-181.2,	-88.7,
31	13.7,	285.7,	306.8,	-154.6,	-90.0,	32	13.7,	314.0,	275.8,	-123.4,	-88.7,
33	13.7,	332.7,	236.4,	-88.4,	-84.6,	34	13.7,	341.3,	189.9,	-50.7,	-78.0,
35	13.7,	339.6,	138.4,	-11.5,	-69.0,	36	13.7,	333.6,	101.5,	19.9,	-58.6,

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## SOURCE ID: TTP21

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	0.7,	-43.4,	2	13.7,	340.1,	204.2,	-18.6,	-29.3,
3	13.7,	328.4,	248.8,	-37.2,	-14.3,	4	13.7,	306.8,	285.7,	-54.8,	1.1,
5	13.7,	275.8,	314.0,	-70.6,	16.5,	6	13.7,	236.4,	332.7,	-84.4,	31.4,
7	13.7,	189.9,	341.3,	-95.6,	45.3,	8	13.7,	138.4,	339.6,	-103.8,	58.2,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-127.3,	77.8,
11	13.7,	204.2,	340.1,	-140.8,	83.6,	12	13.7,	248.8,	328.4,	-149.9,	87.1,
13	13.7,	285.7,	306.8,	-154.5,	88.1,	14	13.7,	314.0,	275.8,	-154.4,	86.3,
15	13.7,	332.7,	236.4,	-149.6,	82.0,	16	13.7,	341.3,	189.9,	-140.2,	75.1,
17	13.7,	339.6,	138.4,	-127.4,	66.0,	18	13.7,	333.6,	101.5,	-121.4,	55.5,
19	13.7,	341.4,	154.2,	-154.9,	43.4,	20	13.7,	340.1,	204.2,	-185.7,	29.3,
21	13.7,	328.4,	248.8,	-211.5,	14.3,	22	13.7,	306.8,	285.7,	-230.9,	-1.1,
23	13.7,	275.8,	314.0,	-243.3,	-16.5,	24	13.7,	236.4,	332.7,	-248.3,	-31.4,
25	13.7,	189.9,	341.3,	-245.8,	-45.3,	26	13.7,	138.4,	339.6,	-235.7,	-58.2,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-214.1,	-77.8,
29	13.7,	204.2,	340.1,	-199.3,	-83.6,	30	13.7,	248.8,	328.4,	-178.5,	-87.1,
31	13.7,	285.7,	306.8,	-152.3,	-88.1,	32	13.7,	314.0,	275.8,	-121.4,	-86.3,
33	13.7,	332.7,	236.4,	-86.9,	-82.0,	34	13.7,	341.3,	189.9,	-49.7,	-75.1,
35	13.7,	339.6,	138.4,	-11.0,	-66.0,	36	13.7,	333.6,	101.5,	19.9,	-55.5,

## SOURCE ID: TTP22

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-0.1,	-40.3,	2	13.7,	340.1,	204.2,	-19.9,	-26.4,
3	13.7,	328.4,	248.8,	-39.0,	-11.7,	4	13.7,	306.8,	285.7,	-57.0,	3.4,
5	13.7,	275.8,	314.0,	-73.2,	18.3,	6	13.7,	236.4,	332.7,	-87.2,	32.7,
7	13.7,	189.9,	341.3,	-98.6,	46.1,	8	13.7,	138.4,	339.6,	-107.0,	58.5,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-130.4,	77.0,
11	13.7,	204.2,	340.1,	-143.6,	82.3,	12	13.7,	248.8,	328.4,	-152.5,	85.4,
13	13.7,	285.7,	306.8,	-156.7,	85.9,	14	13.7,	314.0,	275.8,	-156.2,	83.8,
15	13.7,	332.7,	236.4,	-150.9,	79.1,	16	13.7,	341.3,	189.9,	-141.1,	72.0,
17	13.7,	339.6,	138.4,	-127.7,	62.8,	18	13.7,	333.6,	101.5,	-121.1,	52.4,
19	13.7,	341.4,	154.2,	-154.1,	40.3,	20	13.7,	340.1,	204.2,	-184.4,	26.4,
21	13.7,	328.4,	248.8,	-209.7,	11.7,	22	13.7,	306.8,	285.7,	-228.7,	-3.4,
23	13.7,	275.8,	314.0,	-240.7,	-18.3,	24	13.7,	236.4,	332.7,	-245.5,	-32.7,
25	13.7,	189.9,	341.3,	-242.7,	-46.1,	26	13.7,	138.4,	339.6,	-232.6,	-58.5,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-211.0,	-77.0,
29	13.7,	204.2,	340.1,	-196.4,	-82.3,	30	13.7,	248.8,	328.4,	-175.9,	-85.4,
31	13.7,	285.7,	306.8,	-150.0,	-85.9,	32	13.7,	314.0,	275.8,	-119.6,	-83.8,
33	13.7,	332.7,	236.4,	-85.5,	-79.1,	34	13.7,	341.3,	189.9,	-48.8,	-72.0,
35	13.7,	339.6,	138.4,	-10.7,	-62.8,	36	13.7,	333.6,	101.5,	19.7,	-52.4,

## SOURCE ID: TTP23

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-0.7,	-37.3,	2	13.7,	340.1,	204.2,	-21.0,	-23.6,
3	13.7,	328.4,	248.8,	-40.6,	-9.1,	4	13.7,	306.8,	285.7,	-59.0,	5.6,
5	13.7,	275.8,	314.0,	-75.6,	20.2,	6	13.7,	236.4,	332.7,	-90.0,	34.1,
7	13.7,	189.9,	341.3,	-101.5,	47.1,	8	13.7,	138.4,	339.6,	-110.0,	58.9,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-133.4,	76.3,
11	13.7,	204.2,	340.1,	-146.5,	81.1,	12	13.7,	248.8,	328.4,	-155.1,	83.7,
13	13.7,	285.7,	306.8,	-159.0,	83.8,	14	13.7,	314.0,	275.8,	-158.1,	81.3,
15	13.7,	332.7,	236.4,	-152.4,	76.4,	16	13.7,	341.3,	189.9,	-142.0,	69.1,
17	13.7,	339.6,	138.4,	-128.1,	59.8,	18	13.7,	333.6,	101.5,	-121.0,	49.3,
19	13.7,	341.4,	154.2,	-153.4,	37.3,	20	13.7,	340.1,	204.2,	-183.2,	23.6,
21	13.7,	328.4,	248.8,	-208.1,	9.1,	22	13.7,	306.8,	285.7,	-226.7,	-5.6,
23	13.7,	275.8,	314.0,	-238.3,	-20.2,	24	13.7,	236.4,	332.7,	-242.8,	-34.1,
25	13.7,	189.9,	341.3,	-239.8,	-47.1,	26	13.7,	138.4,	339.6,	-229.6,	-58.9,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-208.0,	-76.3,
29	13.7,	204.2,	340.1,	-193.6,	-81.1,	30	13.7,	248.8,	328.4,	-173.3,	-83.7,
31	13.7,	285.7,	306.8,	-147.8,	-83.8,	32	13.7,	314.0,	275.8,	-117.7,	-81.3,
33	13.7,	332.7,	236.4,	-84.1,	-76.4,	34	13.7,	341.3,	189.9,	-47.9,	-69.1,
35	13.7,	339.6,	138.4,	-10.2,	-59.8,	36	13.7,	333.6,	101.5,	19.6,	-49.3,

SOURCE ID: TTP24

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-1.1,	-34.4,	2	13.7,	340.1,	204.2,	-21.9,	-20.8,
3	13.7,	328.4,	248.8,	-42.0,	-6.5,	4	13.7,	306.8,	285.7,	-60.8,	7.9,
5	13.7,	275.8,	314.0,	-77.8,	22.2,	6	13.7,	236.4,	332.7,	-92.4,	35.7,
7	13.7,	189.9,	341.3,	-104.2,	48.2,	8	13.7,	138.4,	339.6,	-112.9,	59.6,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-136.3,	76.0,
11	13.7,	204.2,	340.1,	-149.2,	80.2,	12	13.7,	248.8,	328.4,	-157.7,	82.4,
13	13.7,	285.7,	306.8,	-161.3,	82.0,	14	13.7,	314.0,	275.8,	-160.1,	79.2,
15	13.7,	332.7,	236.4,	-153.9,	73.9,	16	13.7,	341.3,	189.9,	-143.1,	66.4,
17	13.7,	339.6,	138.4,	-128.7,	56.9,	18	13.7,	333.6,	101.5,	-121.1,	46.4,
19	13.7,	341.4,	154.2,	-153.0,	34.4,	20	13.7,	340.1,	204.2,	-182.4,	20.8,
21	13.7,	328.4,	248.8,	-206.8,	6.5,	22	13.7,	306.8,	285.7,	-224.9,	-7.9,
23	13.7,	275.8,	314.0,	-236.2,	-22.2,	24	13.7,	236.4,	332.7,	-240.3,	-35.7,
25	13.7,	189.9,	341.3,	-237.1,	-48.2,	26	13.7,	138.4,	339.6,	-226.7,	-59.6,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-205.1,	-76.0,
29	13.7,	204.2,	340.1,	-190.8,	-80.2,	30	13.7,	248.8,	328.4,	-170.7,	-82.4,
31	13.7,	285.7,	306.8,	-145.4,	-82.0,	32	13.7,	314.0,	275.8,	-115.7,	-79.2,
33	13.7,	332.7,	236.4,	-82.5,	-73.9,	34	13.7,	341.3,	189.9,	-46.8,	-66.4,
35	13.7,	339.6,	138.4,	-9.6,	-56.9,	36	13.7,	333.6,	101.5,	19.7,	-46.4,

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\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: TTP25

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-1.7,	-31.7,	2	13.7,	340.1,	204.2,	-23.0,	-18.2,
3	13.7,	328.4,	248.8,	-43.5,	-4.2,	4	13.7,	306.8,	285.7,	-62.7,	10.0,
5	13.7,	275.8,	314.0,	-80.0,	23.9,	6	13.7,	236.4,	332.7,	-94.9,	37.0,
7	13.7,	189.9,	341.3,	-106.9,	49.0,	8	13.7,	138.4,	339.6,	-115.6,	59.9,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-139.0,	75.3,
11	13.7,	204.2,	340.1,	-151.8,	79.2,	12	13.7,	248.8,	328.4,	-160.0,	80.9,
13	13.7,	285.7,	306.8,	-163.4,	80.1,	14	13.7,	314.0,	275.8,	-161.8,	77.0,
15	13.7,	332.7,	236.4,	-155.2,	71.5,	16	13.7,	341.3,	189.9,	-144.0,	63.8,
17	13.7,	339.6,	138.4,	-129.1,	54.1,	18	13.7,	333.6,	101.5,	-121.0,	43.6,
19	13.7,	341.4,	154.2,	-152.4,	31.7,	20	13.7,	340.1,	204.2,	-181.3,	18.2,
21	13.7,	328.4,	248.8,	-205.2,	4.2,	22	13.7,	306.8,	285.7,	-223.0,	-10.0,
23	13.7,	275.8,	314.0,	-233.9,	-23.9,	24	13.7,	236.4,	332.7,	-237.8,	-37.0,
25	13.7,	189.9,	341.3,	-234.4,	-49.0,	26	13.7,	138.4,	339.6,	-223.9,	-59.9,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-202.4,	-75.3,
29	13.7,	204.2,	340.1,	-188.2,	-79.2,	30	13.7,	248.8,	328.4,	-168.4,	-80.9,
31	13.7,	285.7,	306.8,	-143.4,	-80.1,	32	13.7,	314.0,	275.8,	-114.0,	-77.0,
33	13.7,	332.7,	236.4,	-81.2,	-71.5,	34	13.7,	341.3,	189.9,	-45.9,	-63.8,
35	13.7,	339.6,	138.4,	-9.2,	-54.1,	36	13.7,	333.6,	101.5,	19.6,	-43.6,

SOURCE ID: TTP26

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-2.4,	-28.8,	2	13.7,	340.1,	204.2,	-24.1,	-15.5,
3	13.7,	328.4,	248.8,	-45.1,	-1.7,	4	13.7,	306.8,	285.7,	-64.7,	12.2,
5	13.7,	275.8,	314.0,	-82.3,	25.7,	6	13.7,	236.4,	332.7,	-97.5,	38.4,
7	13.7,	189.9,	341.3,	-109.7,	49.9,	8	13.7,	138.4,	339.6,	-118.5,	60.3,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-141.9,	74.7,
11	13.7,	204.2,	340.1,	-154.5,	78.0,	12	13.7,	248.8,	328.4,	-162.5,	79.3,
13	13.7,	285.7,	306.8,	-165.5,	78.2,	14	13.7,	314.0,	275.8,	-163.6,	74.6,
15	13.7,	332.7,	236.4,	-156.6,	68.9,	16	13.7,	341.3,	189.9,	-144.9,	61.0,

17	13.7,	339.6,	138.4,	-129.5,	51.2,	18	13.7,	333.6,	101.5,	-120.9,	40.7,
19	13.7,	341.4,	154.2,	-151.8,	28.8,	20	13.7,	340.1,	204.2,	-180.2,	15.5,
21	13.7,	328.4,	248.8,	-203.7,	1.7,	22	13.7,	306.8,	285.7,	-221.0,	-12.2,
23	13.7,	275.8,	314.0,	-231.6,	-25.7,	24	13.7,	236.4,	332.7,	-235.2,	-38.4,
25	13.7,	189.9,	341.3,	-231.6,	-49.9,	26	13.7,	138.4,	339.6,	-221.0,	-60.3,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-199.5,	-74.7,
29	13.7,	204.2,	340.1,	-185.5,	-78.0,	30	13.7,	248.8,	328.4,	-165.9,	-79.3,
31	13.7,	285.7,	306.8,	-141.2,	-78.2,	32	13.7,	314.0,	275.8,	-112.2,	-74.6,
33	13.7,	332.7,	236.4,	-79.8,	-68.9,	34	13.7,	341.3,	189.9,	-45.0,	-61.0,
35	13.7,	339.6,	138.4,	-8.9,	-51.2,	36	13.7,	333.6,	101.5,	19.4,	-40.7,

SOURCE ID: TTP27

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-2.9,	-25.8,	2	13.7,	340.1,	204.2,	-25.1,	-12.6,
3	13.7,	328.4,	248.8,	-46.6,	1.0,	4	13.7,	306.8,	285.7,	-66.6,	14.5,
5	13.7,	275.8,	314.0,	-84.7,	27.6,	6	13.7,	236.4,	332.7,	-100.1,	39.9,
7	13.7,	189.9,	341.3,	-112.5,	50.9,	8	13.7,	138.4,	339.6,	-121.5,	60.8,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-144.9,	74.2,
11	13.7,	204.2,	340.1,	-157.4,	77.0,	12	13.7,	248.8,	328.4,	-165.2,	77.8,
13	13.7,	285.7,	306.8,	-167.9,	76.2,	14	13.7,	314.0,	275.8,	-165.5,	72.3,
15	13.7,	332.7,	236.4,	-158.1,	66.2,	16	13.7,	341.3,	189.9,	-145.9,	58.1,
17	13.7,	339.6,	138.4,	-130.0,	48.2,	18	13.7,	333.6,	101.5,	-120.9,	37.6,
19	13.7,	341.4,	154.2,	-151.3,	25.8,	20	13.7,	340.1,	204.2,	-179.1,	12.6,
21	13.7,	328.4,	248.8,	-202.2,	-1.0,	22	13.7,	306.8,	285.7,	-219.1,	-14.5,
23	13.7,	275.8,	314.0,	-229.3,	-27.6,	24	13.7,	236.4,	332.7,	-232.6,	-39.9,
25	13.7,	189.9,	341.3,	-228.8,	-50.9,	26	13.7,	138.4,	339.6,	-218.0,	-60.8,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-196.5,	-74.2,
29	13.7,	204.2,	340.1,	-182.7,	-77.0,	30	13.7,	248.8,	328.4,	-163.2,	-77.8,
31	13.7,	285.7,	306.8,	-138.9,	-76.2,	32	13.7,	314.0,	275.8,	-110.3,	-72.3,
33	13.7,	332.7,	236.4,	-78.3,	-66.2,	34	13.7,	341.3,	189.9,	-44.0,	-58.1,
35	13.7,	339.6,	138.4,	-8.3,	-48.2,	36	13.7,	333.6,	101.5,	19.4,	-37.6,

SOURCE ID: TTP28

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-3.7,	-22.8,	2	13.7,	340.1,	204.2,	-26.4,	-9.8,
3	13.7,	328.4,	248.8,	-48.4,	3.6,	4	13.7,	306.8,	285.7,	-68.9,	16.8,
5	13.7,	275.8,	314.0,	-87.3,	29.5,	6	13.7,	236.4,	332.7,	-103.0,	41.3,
7	13.7,	189.9,	341.3,	-115.6,	51.8,	8	13.7,	138.4,	339.6,	-124.7,	61.1,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-147.9,	73.4,
11	13.7,	204.2,	340.1,	-160.3,	75.7,	12	13.7,	248.8,	328.4,	-167.8,	76.0,
13	13.7,	285.7,	306.8,	-170.1,	74.0,	14	13.7,	314.0,	275.8,	-167.4,	69.7,
15	13.7,	332.7,	236.4,	-159.5,	63.3,	16	13.7,	341.3,	189.9,	-146.8,	55.1,
17	13.7,	339.6,	138.4,	-130.3,	45.1,	18	13.7,	333.6,	101.5,	-120.6,	34.5,
19	13.7,	341.4,	154.2,	-150.5,	22.8,	20	13.7,	340.1,	204.2,	-177.8,	9.8,
21	13.7,	328.4,	248.8,	-200.4,	-3.6,	22	13.7,	306.8,	285.7,	-216.8,	-16.8,
23	13.7,	275.8,	314.0,	-226.7,	-29.5,	24	13.7,	236.4,	332.7,	-229.7,	-41.3,
25	13.7,	189.9,	341.3,	-225.7,	-51.8,	26	13.7,	138.4,	339.6,	-214.9,	-61.1,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-193.5,	-73.4,
29	13.7,	204.2,	340.1,	-179.8,	-75.7,	30	13.7,	248.8,	328.4,	-160.6,	-76.0,
31	13.7,	285.7,	306.8,	-136.6,	-74.0,	32	13.7,	314.0,	275.8,	-108.4,	-69.7,
33	13.7,	332.7,	236.4,	-77.0,	-63.3,	34	13.7,	341.3,	189.9,	-43.1,	-55.1,
35	13.7,	339.6,	138.4,	-8.0,	-45.1,	36	13.7,	333.6,	101.5,	19.2,	-34.5,

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## SOURCE ID: TTP29

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-4.3,	-19.8,	2	13.7,	340.1,	204.2,	-27.6,	-6.9,
3	13.7,	328.4,	248.8,	-50.0,	6.1,	4	13.7,	306.8,	285.7,	-70.9,	19.0,
5	13.7,	275.8,	314.0,	-89.7,	31.3,	6	13.7,	236.4,	332.7,	-105.7,	42.7,
7	13.7,	189.9,	341.3,	-118.5,	52.7,	8	13.7,	138.4,	339.6,	-127.7,	61.6,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-150.9,	72.7,
11	13.7,	204.2,	340.1,	-163.1,	74.5,	12	13.7,	248.8,	328.4,	-170.3,	74.4,
13	13.7,	285.7,	306.8,	-172.4,	71.9,	14	13.7,	314.0,	275.8,	-169.2,	67.3,
15	13.7,	332.7,	236.4,	-160.9,	60.6,	16	13.7,	341.3,	189.9,	-147.7,	52.1,
17	13.7,	339.6,	138.4,	-130.7,	42.1,	18	13.7,	333.6,	101.5,	-120.5,	31.4,
19	13.7,	341.4,	154.2,	-149.8,	19.8,	20	13.7,	340.1,	204.2,	-176.7,	6.9,
21	13.7,	328.4,	248.8,	-198.7,	-6.1,	22	13.7,	306.8,	285.7,	-214.8,	-19.0,
23	13.7,	275.8,	314.0,	-224.3,	-31.3,	24	13.7,	236.4,	332.7,	-227.0,	-42.7,
25	13.7,	189.9,	341.3,	-222.8,	-52.7,	26	13.7,	138.4,	339.6,	-211.8,	-61.6,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-190.5,	-72.7,
29	13.7,	204.2,	340.1,	-177.0,	-74.5,	30	13.7,	248.8,	328.4,	-158.1,	-74.4,
31	13.7,	285.7,	306.8,	-134.4,	-71.9,	32	13.7,	314.0,	275.8,	-106.6,	-67.3,
33	13.7,	332.7,	236.4,	-75.5,	-60.6,	34	13.7,	341.3,	189.9,	-42.2,	-52.1,
35	13.7,	339.6,	138.4,	-7.6,	-42.1,	36	13.7,	333.6,	101.5,	19.1,	-31.4,

## SOURCE ID: TTP30

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-4.7,	-16.9,	2	13.7,	340.1,	204.2,	-28.5,	-4.1,
3	13.7,	328.4,	248.8,	-51.4,	8.7,	4	13.7,	306.8,	285.7,	-72.7,	21.3,
5	13.7,	275.8,	314.0,	-91.8,	33.3,	6	13.7,	236.4,	332.7,	-108.2,	44.2,
7	13.7,	189.9,	341.3,	-121.2,	53.8,	8	13.7,	138.4,	339.6,	-130.6,	62.2,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-153.8,	72.4,
11	13.7,	204.2,	340.1,	-165.9,	73.6,	12	13.7,	248.8,	328.4,	-172.9,	73.0,
13	13.7,	285.7,	306.8,	-174.7,	70.1,	14	13.7,	314.0,	275.8,	-171.2,	65.1,
15	13.7,	332.7,	236.4,	-162.5,	58.2,	16	13.7,	341.3,	189.9,	-148.8,	49.4,
17	13.7,	339.6,	138.4,	-131.4,	39.2,	18	13.7,	333.6,	101.5,	-120.6,	28.5,
19	13.7,	341.4,	154.2,	-149.4,	16.9,	20	13.7,	340.1,	204.2,	-175.8,	4.1,
21	13.7,	328.4,	248.8,	-197.4,	-8.7,	22	13.7,	306.8,	285.7,	-213.0,	-21.3,
23	13.7,	275.8,	314.0,	-222.1,	-33.3,	24	13.7,	236.4,	332.7,	-224.5,	-44.2,
25	13.7,	189.9,	341.3,	-220.1,	-53.8,	26	13.7,	138.4,	339.6,	-209.0,	-62.2,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-187.6,	-72.4,
29	13.7,	204.2,	340.1,	-174.2,	-73.6,	30	13.7,	248.8,	328.4,	-155.5,	-73.0,
31	13.7,	285.7,	306.8,	-132.0,	-70.1,	32	13.7,	314.0,	275.8,	-104.6,	-65.1,
33	13.7,	332.7,	236.4,	-74.0,	-58.2,	34	13.7,	341.3,	189.9,	-41.1,	-49.4,
35	13.7,	339.6,	138.4,	-7.0,	-39.2,	36	13.7,	333.6,	101.5,	19.2,	-28.5,

## SOURCE ID: TTP31

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-5.2,	-13.6,	2	13.7,	340.1,	204.2,	-29.5,	-1.0,
3	13.7,	328.4,	248.8,	-52.9,	11.6,	4	13.7,	306.8,	285.7,	-74.7,	23.9,
5	13.7,	275.8,	314.0,	-94.3,	35.5,	6	13.7,	236.4,	332.7,	-111.0,	46.0,
7	13.7,	189.9,	341.3,	-124.3,	55.1,	8	13.7,	138.4,	339.6,	-133.8,	62.9,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-157.1,	71.9,
11	13.7,	204.2,	340.1,	-169.0,	72.6,	12	13.7,	248.8,	328.4,	-175.8,	71.5,
13	13.7,	285.7,	306.8,	-177.3,	68.1,	14	13.7,	314.0,	275.8,	-173.4,	62.7,
15	13.7,	332.7,	236.4,	-164.2,	55.4,	16	13.7,	341.3,	189.9,	-150.0,	46.4,
17	13.7,	339.6,	138.4,	-132.1,	36.0,	18	13.7,	333.6,	101.5,	-120.8,	25.2,
19	13.7,	341.4,	154.2,	-149.0,	13.6,	20	13.7,	340.1,	204.2,	-174.8,	1.0,
21	13.7,	328.4,	248.8,	-195.8,	-11.6,	22	13.7,	306.8,	285.7,	-211.0,	-23.9,
23	13.7,	275.8,	314.0,	-219.7,	-35.5,	24	13.7,	236.4,	332.7,	-221.7,	-46.0,
25	13.7,	189.9,	341.3,	-217.1,	-55.1,	26	13.7,	138.4,	339.6,	-205.8,	-62.9,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-184.3,	-71.9,
29	13.7,	204.2,	340.1,	-171.0,	-72.6,	30	13.7,	248.8,	328.4,	-152.6,	-71.5,
31	13.7,	285.7,	306.8,	-129.4,	-68.1,	32	13.7,	314.0,	275.8,	-102.4,	-62.7,
33	13.7,	332.7,	236.4,	-72.2,	-55.4,	34	13.7,	341.3,	189.9,	-39.9,	-46.4,
35	13.7,	339.6,	138.4,	-6.3,	-36.0,	36	13.7,	333.6,	101.5,	19.3,	-25.2,

SOURCE ID: TTP32

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-5.8,	-10.8,	2	13.7,	340.1,	204.2,	-30.6,	1.7,
3	13.7,	328.4,	248.8,	-54.5,	14.1,	4	13.7,	306.8,	285.7,	-76.7,	26.1,
5	13.7,	275.8,	314.0,	-96.6,	37.3,	6	13.7,	236.4,	332.7,	-113.5,	47.3,
7	13.7,	189.9,	341.3,	-127.0,	56.0,	8	13.7,	138.4,	339.6,	-136.7,	63.3,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-159.9,	71.3,
11	13.7,	204.2,	340.1,	-171.7,	71.5,	12	13.7,	248.8,	328.4,	-178.3,	69.9,
13	13.7,	285.7,	306.8,	-179.5,	66.1,	14	13.7,	314.0,	275.8,	-175.2,	60.4,
15	13.7,	332.7,	236.4,	-165.6,	52.8,	16	13.7,	341.3,	189.9,	-150.9,	43.6,
17	13.7,	339.6,	138.4,	-132.4,	33.1,	18	13.7,	333.6,	101.5,	-120.6,	22.3,
19	13.7,	341.4,	154.2,	-148.4,	10.8,	20	13.7,	340.1,	204.2,	-173.6,	-1.7,
21	13.7,	328.4,	248.8,	-194.3,	-14.1,	22	13.7,	306.8,	285.7,	-209.0,	-26.1,
23	13.7,	275.8,	314.0,	-217.4,	-37.3,	24	13.7,	236.4,	332.7,	-219.2,	-47.3,
25	13.7,	189.9,	341.3,	-214.3,	-56.0,	26	13.7,	138.4,	339.6,	-202.9,	-63.3,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-181.5,	-71.3,
29	13.7,	204.2,	340.1,	-168.3,	-71.5,	30	13.7,	248.8,	328.4,	-150.1,	-69.9,
31	13.7,	285.7,	306.8,	-127.3,	-66.1,	32	13.7,	314.0,	275.8,	-100.6,	-60.4,
33	13.7,	332.7,	236.4,	-70.9,	-52.8,	34	13.7,	341.3,	189.9,	-39.0,	-43.6,
35	13.7,	339.6,	138.4,	-5.9,	-33.1,	36	13.7,	333.6,	101.5,	19.2,	-22.3,

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\*\*\* MODELOPTs:      RegDFAULT    CONC    ELEV    URBAN    ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: TTP33

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-6.3,	-7.8,	2	13.7,	340.1,	204.2,	-31.7,	4.6,
3	13.7,	328.4,	248.8,	-56.0,	16.8,	4	13.7,	306.8,	285.7,	-78.7,	28.4,
5	13.7,	275.8,	314.0,	-98.9,	39.2,	6	13.7,	236.4,	332.7,	-116.2,	48.9,
7	13.7,	189.9,	341.3,	-129.9,	57.0,	8	13.7,	138.4,	339.6,	-139.7,	63.8,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-162.9,	70.8,
11	13.7,	204.2,	340.1,	-174.6,	70.5,	12	13.7,	248.8,	328.4,	-181.0,	68.4,
13	13.7,	285.7,	306.8,	-181.8,	64.2,	14	13.7,	314.0,	275.8,	-177.1,	58.1,
15	13.7,	332.7,	236.4,	-167.1,	50.2,	16	13.7,	341.3,	189.9,	-152.0,	40.7,
17	13.7,	339.6,	138.4,	-133.0,	30.1,	18	13.7,	333.6,	101.5,	-120.6,	19.2,
19	13.7,	341.4,	154.2,	-147.8,	7.8,	20	13.7,	340.1,	204.2,	-172.6,	-4.6,
21	13.7,	328.4,	248.8,	-192.8,	-16.8,	22	13.7,	306.8,	285.7,	-207.0,	-28.4,
23	13.7,	275.8,	314.0,	-215.0,	-39.2,	24	13.7,	236.4,	332.7,	-216.5,	-48.9,
25	13.7,	189.9,	341.3,	-211.4,	-57.0,	26	13.7,	138.4,	339.6,	-199.9,	-63.8,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-178.5,	-70.8,
29	13.7,	204.2,	340.1,	-165.5,	-70.5,	30	13.7,	248.8,	328.4,	-147.5,	-68.4,
31	13.7,	285.7,	306.8,	-124.9,	-64.2,	32	13.7,	314.0,	275.8,	-98.6,	-58.1,
33	13.7,	332.7,	236.4,	-69.3,	-50.2,	34	13.7,	341.3,	189.9,	-37.9,	-40.7,
35	13.7,	339.6,	138.4,	-5.4,	-30.1,	36	13.7,	333.6,	101.5,	19.2,	-19.2,

SOURCE ID: TTP34

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-7.1,	-4.7,	2	13.7,	340.1,	204.2,	-32.9,	7.5,
3	13.7,	328.4,	248.8,	-57.8,	19.4,	4	13.7,	306.8,	285.7,	-80.9,	30.7,
5	13.7,	275.8,	314.0,	-101.5,	41.1,	6	13.7,	236.4,	332.7,	-119.0,	50.2,
7	13.7,	189.9,	341.3,	-133.0,	57.9,	8	13.7,	138.4,	339.6,	-142.9,	64.1,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-166.0,	70.0,
11	13.7,	204.2,	340.1,	-177.5,	69.2,	12	13.7,	248.8,	328.4,	-183.6,	66.6,
13	13.7,	285.7,	306.8,	-184.1,	62.0,	14	13.7,	314.0,	275.8,	-179.0,	55.5,
15	13.7,	332.7,	236.4,	-168.5,	47.3,	16	13.7,	341.3,	189.9,	-152.8,	37.7,
17	13.7,	339.6,	138.4,	-133.3,	26.9,	18	13.7,	333.6,	101.5,	-120.4,	16.1,
19	13.7,	341.4,	154.2,	-147.0,	4.7,	20	13.7,	340.1,	204.2,	-171.3,	-7.5,

21	13.7,	328.4,	248.8,	-191.0,	-19.4,	22	13.7,	306.8,	285.7,	-204.8,	-30.7,
23	13.7,	275.8,	314.0,	-212.5,	-41.1,	24	13.7,	236.4,	332.7,	-213.7,	-50.2,
25	13.7,	189.9,	341.3,	-208.4,	-57.9,	26	13.7,	138.4,	339.6,	-196.7,	-64.1,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-175.4,	-70.0,
29	13.7,	204.2,	340.1,	-162.6,	-69.2,	30	13.7,	248.8,	328.4,	-144.8,	-66.6,
31	13.7,	285.7,	306.8,	-122.7,	-62.0,	32	13.7,	314.0,	275.8,	-96.8,	-55.5,
33	13.7,	332.7,	236.4,	-68.0,	-47.3,	34	13.7,	341.3,	189.9,	-37.1,	-37.7,
35	13.7,	339.6,	138.4,	-5.1,	-26.9,	36	13.7,	333.6,	101.5,	18.9,	-16.1,

SOURCE ID: TTP35

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-7.8,	-1.7,	2	13.7,	340.1,	204.2,	-34.1,	10.3,
3	13.7,	328.4,	248.8,	-59.4,	21.9,	4	13.7,	306.8,	285.7,	-82.9,	33.0,
5	13.7,	275.8,	314.0,	-103.9,	43.0,	6	13.7,	236.4,	332.7,	-121.7,	51.7,
7	13.7,	189.9,	341.3,	-135.9,	58.8,	8	13.7,	138.4,	339.6,	-145.9,	64.5,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-169.0,	69.3,
11	13.7,	204.2,	340.1,	-180.3,	68.0,	12	13.7,	248.8,	328.4,	-186.2,	65.0,
13	13.7,	285.7,	306.8,	-186.3,	59.9,	14	13.7,	314.0,	275.8,	-180.9,	53.1,
15	13.7,	332.7,	236.4,	-169.9,	44.6,	16	13.7,	341.3,	189.9,	-153.7,	34.8,
17	13.7,	339.6,	138.4,	-133.7,	23.9,	18	13.7,	333.6,	101.5,	-120.3,	13.0,
19	13.7,	341.4,	154.2,	-146.4,	1.7,	20	13.7,	340.1,	204.2,	-170.1,	-10.3,
21	13.7,	328.4,	248.8,	-189.3,	-21.9,	22	13.7,	306.8,	285.7,	-202.8,	-33.0,
23	13.7,	275.8,	314.0,	-210.1,	-43.0,	24	13.7,	236.4,	332.7,	-211.0,	-51.7,
25	13.7,	189.9,	341.3,	-205.4,	-58.8,	26	13.7,	138.4,	339.6,	-193.7,	-64.5,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-172.4,	-69.3,
29	13.7,	204.2,	340.1,	-159.8,	-68.0,	30	13.7,	248.8,	328.4,	-142.2,	-65.0,
31	13.7,	285.7,	306.8,	-120.4,	-59.9,	32	13.7,	314.0,	275.8,	-94.9,	-53.1,
33	13.7,	332.7,	236.4,	-66.5,	-44.6,	34	13.7,	341.3,	189.9,	-36.1,	-34.8,
35	13.7,	339.6,	138.4,	-4.7,	-23.9,	36	13.7,	333.6,	101.5,	18.8,	-13.0,

SOURCE ID: TTP36

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-8.2,	1.2,	2	13.7,	340.1,	204.2,	-35.0,	13.1,
3	13.7,	328.4,	248.8,	-60.8,	24.5,	4	13.7,	306.8,	285.7,	-84.7,	35.3,
5	13.7,	275.8,	314.0,	-106.1,	44.9,	6	13.7,	236.4,	332.7,	-124.2,	53.2,
7	13.7,	189.9,	341.3,	-138.6,	59.9,	8	13.7,	138.4,	339.6,	-148.7,	65.1,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-171.9,	68.9,
11	13.7,	204.2,	340.1,	-183.1,	67.1,	12	13.7,	248.8,	328.4,	-188.7,	63.6,
13	13.7,	285.7,	306.8,	-188.7,	58.1,	14	13.7,	314.0,	275.8,	-182.8,	50.9,
15	13.7,	332.7,	236.4,	-171.4,	42.1,	16	13.7,	341.3,	189.9,	-154.9,	32.1,
17	13.7,	339.6,	138.4,	-134.3,	21.1,	18	13.7,	333.6,	101.5,	-120.4,	10.1,
19	13.7,	341.4,	154.2,	-146.0,	-1.2,	20	13.7,	340.1,	204.2,	-169.2,	-13.1,
21	13.7,	328.4,	248.8,	-188.0,	-24.5,	22	13.7,	306.8,	285.7,	-201.0,	-35.3,
23	13.7,	275.8,	314.0,	-207.9,	-44.9,	24	13.7,	236.4,	332.7,	-208.5,	-53.2,
25	13.7,	189.9,	341.3,	-202.7,	-59.9,	26	13.7,	138.4,	339.6,	-190.8,	-65.1,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-169.5,	-68.9,
29	13.7,	204.2,	340.1,	-157.0,	-67.1,	30	13.7,	248.8,	328.4,	-139.7,	-63.6,
31	13.7,	285.7,	306.8,	-118.1,	-58.1,	32	13.7,	314.0,	275.8,	-93.0,	-50.9,
33	13.7,	332.7,	236.4,	-65.0,	-42.1,	34	13.7,	341.3,	189.9,	-35.0,	-32.1,
35	13.7,	339.6,	138.4,	-4.0,	-21.1,	36	13.7,	333.6,	101.5,	18.9,	-10.1,

\*\*\* AERMOD - VERSION 23132 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\15639  
Spreckels\15639 Ops HRA\1 \*\*\* 09/20/24

\*\*\* AERMET - VERSION 21112 \*\*\*  
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\*\*\* 09:17:47

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: TTP37

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
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1	13.7,	341.4,	154.2,	-9.0,	4.5,	2	13.7,	340.1,	204.2,	-36.4,	16.2,
3	13.7,	328.4,	248.8,	-62.7,	27.4,	4	13.7,	306.8,	285.7,	-87.1,	37.7,
5	13.7,	275.8,	314.0,	-108.8,	46.9,	6	13.7,	236.4,	332.7,	-127.3,	54.7,
7	13.7,	189.9,	341.3,	-141.9,	60.8,	8	13.7,	138.4,	339.6,	-152.1,	65.5,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-175.2,	68.1,
11	13.7,	204.2,	340.1,	-186.2,	65.7,	12	13.7,	248.8,	328.4,	-191.6,	61.7,
13	13.7,	285.7,	306.8,	-191.1,	55.8,	14	13.7,	314.0,	275.8,	-184.8,	48.1,
15	13.7,	332.7,	236.4,	-172.9,	39.1,	16	13.7,	341.3,	189.9,	-155.8,	28.8,
17	13.7,	339.6,	138.4,	-134.7,	17.7,	18	13.7,	333.6,	101.5,	-120.1,	6.7,
19	13.7,	341.4,	154.2,	-145.2,	-4.5,	20	13.7,	340.1,	204.2,	-167.9,	-16.2,
21	13.7,	328.4,	248.8,	-186.1,	-27.4,	22	13.7,	306.8,	285.7,	-198.6,	-37.7,
23	13.7,	275.8,	314.0,	-205.1,	-46.9,	24	13.7,	236.4,	332.7,	-205.4,	-54.7,
25	13.7,	189.9,	341.3,	-199.5,	-60.8,	26	13.7,	138.4,	339.6,	-187.4,	-65.5,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-166.2,	-68.1,
29	13.7,	204.2,	340.1,	-153.9,	-65.7,	30	13.7,	248.8,	328.4,	-136.8,	-61.7,
31	13.7,	285.7,	306.8,	-115.6,	-55.8,	32	13.7,	314.0,	275.8,	-91.0,	-48.1,
33	13.7,	332.7,	236.4,	-63.5,	-39.1,	34	13.7,	341.3,	189.9,	-34.1,	-28.8,
35	13.7,	339.6,	138.4,	-3.7,	-17.7,	36	13.7,	333.6,	101.5,	18.7,	-6.7,

SOURCE ID: TTP38

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-9.6,	7.4,	2	13.7,	340.1,	204.2,	-37.5,	18.9,
3	13.7,	328.4,	248.8,	-64.3,	29.8,	4	13.7,	306.8,	285.7,	-89.1,	39.9,
5	13.7,	275.8,	314.0,	-111.2,	48.7,	6	13.7,	236.4,	332.7,	-129.9,	56.1,
7	13.7,	189.9,	341.3,	-144.7,	61.7,	8	13.7,	138.4,	339.6,	-155.0,	65.9,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-178.1,	67.5,
11	13.7,	204.2,	340.1,	-188.9,	64.6,	12	13.7,	248.8,	328.4,	-194.0,	60.1,
13	13.7,	285.7,	306.8,	-193.3,	53.8,	14	13.7,	314.0,	275.8,	-186.6,	45.8,
15	13.7,	332.7,	236.4,	-174.3,	36.5,	16	13.7,	341.3,	189.9,	-156.7,	26.0,
17	13.7,	339.6,	138.4,	-135.1,	14.8,	18	13.7,	333.6,	101.5,	-120.0,	3.8,
19	13.7,	341.4,	154.2,	-144.5,	-7.4,	20	13.7,	340.1,	204.2,	-166.7,	-18.9,
21	13.7,	328.4,	248.8,	-184.5,	-29.8,	22	13.7,	306.8,	285.7,	-196.6,	-39.9,
23	13.7,	275.8,	314.0,	-202.8,	-48.7,	24	13.7,	236.4,	332.7,	-202.8,	-56.1,
25	13.7,	189.9,	341.3,	-196.7,	-61.7,	26	13.7,	138.4,	339.6,	-184.5,	-65.9,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-163.4,	-67.5,
29	13.7,	204.2,	340.1,	-151.2,	-64.6,	30	13.7,	248.8,	328.4,	-134.4,	-60.1,
31	13.7,	285.7,	306.8,	-113.5,	-53.8,	32	13.7,	314.0,	275.8,	-89.2,	-45.8,
33	13.7,	332.7,	236.4,	-62.1,	-36.5,	34	13.7,	341.3,	189.9,	-33.2,	-26.0,
35	13.7,	339.6,	138.4,	-3.3,	-14.8,	36	13.7,	333.6,	101.5,	18.6,	-3.8,

SOURCE ID: TTP39

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-10.2,	10.4,	2	13.7,	340.1,	204.2,	-38.5,	21.8,
3	13.7,	328.4,	248.8,	-65.8,	32.5,	4	13.7,	306.8,	285.7,	-91.0,	42.2,
5	13.7,	275.8,	314.0,	-113.5,	50.7,	6	13.7,	236.4,	332.7,	-132.5,	57.6,
7	13.7,	189.9,	341.3,	-147.5,	62.8,	8	13.7,	138.4,	339.6,	-158.0,	66.4,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-181.1,	66.9,
11	13.7,	204.2,	340.1,	-191.8,	63.6,	12	13.7,	248.8,	328.4,	-196.7,	58.6,
13	13.7,	285.7,	306.8,	-195.6,	51.8,	14	13.7,	314.0,	275.8,	-188.6,	43.5,
15	13.7,	332.7,	236.4,	-175.8,	33.8,	16	13.7,	341.3,	189.9,	-157.7,	23.1,
17	13.7,	339.6,	138.4,	-135.6,	11.8,	18	13.7,	333.6,	101.5,	-120.0,	0.7,
19	13.7,	341.4,	154.2,	-144.0,	-10.4,	20	13.7,	340.1,	204.2,	-165.7,	-21.8,
21	13.7,	328.4,	248.8,	-183.0,	-32.5,	22	13.7,	306.8,	285.7,	-194.7,	-42.2,
23	13.7,	275.8,	314.0,	-200.5,	-50.7,	24	13.7,	236.4,	332.7,	-200.2,	-57.6,
25	13.7,	189.9,	341.3,	-193.8,	-62.8,	26	13.7,	138.4,	339.6,	-181.5,	-66.4,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-160.3,	-66.9,
29	13.7,	204.2,	340.1,	-148.3,	-63.6,	30	13.7,	248.8,	328.4,	-131.7,	-58.6,
31	13.7,	285.7,	306.8,	-111.1,	-51.8,	32	13.7,	314.0,	275.8,	-87.2,	-43.5,
33	13.7,	332.7,	236.4,	-60.6,	-33.8,	34	13.7,	341.3,	189.9,	-32.2,	-23.1,
35	13.7,	339.6,	138.4,	-2.8,	-11.8,	36	13.7,	333.6,	101.5,	18.6,	-0.7,

SOURCE ID: TTP40

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
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1	13.7,	341.4,	154.2,	-10.9,	13.4,	2	13.7,	340.1,	204.2,	-39.9,	24.6,
3	13.7,	328.4,	248.8,	-67.6,	35.1,	4	13.7,	306.8,	285.7,	-93.2,	44.5,
5	13.7,	275.8,	314.0,	-116.1,	52.5,	6	13.7,	236.4,	332.7,	-135.4,	59.0,
7	13.7,	189.9,	341.3,	-150.6,	63.6,	8	13.7,	138.4,	339.6,	-161.2,	66.7,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-184.1,	66.1,
11	13.7,	204.2,	340.1,	-194.7,	62.3,	12	13.7,	248.8,	328.4,	-199.3,	56.8,
13	13.7,	285.7,	306.8,	-197.9,	49.6,	14	13.7,	314.0,	275.8,	-190.4,	40.9,
15	13.7,	332.7,	236.4,	-177.2,	31.0,	16	13.7,	341.3,	189.9,	-158.6,	20.1,
17	13.7,	339.6,	138.4,	-135.9,	8.6,	18	13.7,	333.6,	101.5,	-119.8,	-2.4,
19	13.7,	341.4,	154.2,	-143.2,	-13.4,	20	13.7,	340.1,	204.2,	-164.4,	-24.6,
21	13.7,	328.4,	248.8,	-181.2,	-35.1,	22	13.7,	306.8,	285.7,	-192.5,	-44.5,
23	13.7,	275.8,	314.0,	-197.9,	-52.5,	24	13.7,	236.4,	332.7,	-197.3,	-59.0,
25	13.7,	189.9,	341.3,	-190.8,	-63.6,	26	13.7,	138.4,	339.6,	-178.4,	-66.7,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-157.3,	-66.1,
29	13.7,	204.2,	340.1,	-145.4,	-62.3,	30	13.7,	248.8,	328.4,	-129.1,	-56.8,
31	13.7,	285.7,	306.8,	-108.9,	-49.6,	32	13.7,	314.0,	275.8,	-85.4,	-40.9,
33	13.7,	332.7,	236.4,	-59.2,	-31.0,	34	13.7,	341.3,	189.9,	-31.3,	-20.1,
35	13.7,	339.6,	138.4,	-2.4,	-8.6,	36	13.7,	333.6,	101.5,	18.3,	2.4,

\*\*\* AERMOD - VERSION 23132 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\15639  
 Spreckels\15639 Ops HRA\1 \*\*\*      09/20/24  
 \*\*\* AERMET - VERSION 21112 \*\*\*  
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\*\*\* MODELOPTs:      RegDEFAULT    CONC    ELEV    URBAN    ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: TTP41

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-11.6,	16.4,	2	13.7,	340.1,	204.2,	-41.0,	27.5,
3	13.7,	328.4,	248.8,	-69.2,	37.7,	4	13.7,	306.8,	285.7,	-95.3,	46.8,
5	13.7,	275.8,	314.0,	-118.5,	54.4,	6	13.7,	236.4,	332.7,	-138.1,	60.4,
7	13.7,	189.9,	341.3,	-153.5,	64.5,	8	13.7,	138.4,	339.6,	-164.2,	67.1,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-187.1,	65.5,
11	13.7,	204.2,	340.1,	-197.5,	61.1,	12	13.7,	248.8,	328.4,	-201.9,	55.2,
13	13.7,	285.7,	306.8,	-200.1,	47.6,	14	13.7,	314.0,	275.8,	-192.3,	38.5,
15	13.7,	332.7,	236.4,	-178.6,	28.3,	16	13.7,	341.3,	189.9,	-159.5,	17.2,
17	13.7,	339.6,	138.4,	-136.3,	5.6,	18	13.7,	333.6,	101.5,	-119.7,	-5.5,
19	13.7,	341.4,	154.2,	-142.6,	-16.4,	20	13.7,	340.1,	204.2,	-163.2,	-27.5,
21	13.7,	328.4,	248.8,	-179.6,	-37.7,	22	13.7,	306.8,	285.7,	-190.4,	-46.8,
23	13.7,	275.8,	314.0,	-195.5,	-54.4,	24	13.7,	236.4,	332.7,	-194.6,	-60.4,
25	13.7,	189.9,	341.3,	-187.8,	-64.5,	26	13.7,	138.4,	339.6,	-175.4,	-67.1,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-154.3,	-65.5,
29	13.7,	204.2,	340.1,	-142.6,	-61.1,	30	13.7,	248.8,	328.4,	-126.5,	-55.2,
31	13.7,	285.7,	306.8,	-106.6,	-47.6,	32	13.7,	314.0,	275.8,	-83.5,	-38.5,
33	13.7,	332.7,	236.4,	-57.8,	-28.3,	34	13.7,	341.3,	189.9,	-30.4,	-17.2,
35	13.7,	339.6,	138.4,	-2.0,	-5.6,	36	13.7,	333.6,	101.5,	18.2,	5.5,

SOURCE ID: TTP42

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-12.0,	19.3,	2	13.7,	340.1,	204.2,	-41.9,	30.2,
3	13.7,	328.4,	248.8,	-70.6,	40.3,	4	13.7,	306.8,	285.7,	-97.1,	49.1,
5	13.7,	275.8,	314.0,	-120.6,	56.4,	6	13.7,	236.4,	332.7,	-140.5,	62.0,
7	13.7,	189.9,	341.3,	-156.2,	65.7,	8	13.7,	138.4,	339.6,	-167.1,	67.8,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-190.0,	65.1,
11	13.7,	204.2,	340.1,	-200.3,	60.2,	12	13.7,	248.8,	328.4,	-204.5,	53.8,
13	13.7,	285.7,	306.8,	-202.4,	45.8,	14	13.7,	314.0,	275.8,	-194.2,	36.3,
15	13.7,	332.7,	236.4,	-180.2,	25.8,	16	13.7,	341.3,	189.9,	-160.6,	14.5,
17	13.7,	339.6,	138.4,	-136.9,	2.7,	18	13.7,	333.6,	101.5,	-119.8,	-8.4,
19	13.7,	341.4,	154.2,	-142.2,	-19.3,	20	13.7,	340.1,	204.2,	-162.4,	-30.2,
21	13.7,	328.4,	248.8,	-178.2,	-40.3,	22	13.7,	306.8,	285.7,	-188.6,	-49.1,
23	13.7,	275.8,	314.0,	-193.3,	-56.4,	24	13.7,	236.4,	332.7,	-192.2,	-62.0,

25	13.7,	189.9,	341.3,	-185.1,	-65.7,	26	13.7,	138.4,	339.6,	-172.5,	-67.8,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-151.4,	-65.1,
29	13.7,	204.2,	340.1,	-139.8,	-60.2,	30	13.7,	248.8,	328.4,	-123.9,	-53.8,
31	13.7,	285.7,	306.8,	-104.3,	-45.8,	32	13.7,	314.0,	275.8,	-81.5,	-36.3,
33	13.7,	332.7,	236.4,	-56.3,	-25.8,	34	13.7,	341.3,	189.9,	-29.3,	-14.5,
35	13.7,	339.6,	138.4,	-1.4,	-2.7,	36	13.7,	333.6,	101.5,	18.3,	8.4,

SOURCE ID: TTP43

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-12.5,	22.1,	2	13.7,	340.1,	204.2,	-42.9,	32.9,
3	13.7,	328.4,	248.8,	-72.0,	42.7,	4	13.7,	306.8,	285.7,	-98.9,	51.2,
5	13.7,	275.8,	314.0,	-122.8,	58.2,	6	13.7,	236.4,	332.7,	-143.0,	63.4,
7	13.7,	189.9,	341.3,	-158.8,	66.6,	8	13.7,	138.4,	339.6,	-169.8,	68.2,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-192.8,	64.6,
11	13.7,	204.2,	340.1,	-202.9,	59.3,	12	13.7,	248.8,	328.4,	-206.9,	52.4,
13	13.7,	285.7,	306.8,	-204.6,	44.0,	14	13.7,	314.0,	275.8,	-196.1,	34.2,
15	13.7,	332.7,	236.4,	-181.6,	23.4,	16	13.7,	341.3,	189.9,	-161.6,	11.9,
17	13.7,	339.6,	138.4,	-137.4,	-0.0,	18	13.7,	333.6,	101.5,	-119.8,	-11.2,
19	13.7,	341.4,	154.2,	-141.7,	-22.1,	20	13.7,	340.1,	204.2,	-161.4,	-32.9,
21	13.7,	328.4,	248.8,	-176.8,	-42.7,	22	13.7,	306.8,	285.7,	-186.8,	-51.2,
23	13.7,	275.8,	314.0,	-191.2,	-58.2,	24	13.7,	236.4,	332.7,	-189.7,	-63.4,
25	13.7,	189.9,	341.3,	-182.5,	-66.6,	26	13.7,	138.4,	339.6,	-169.7,	-68.2,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-148.6,	-64.6,
29	13.7,	204.2,	340.1,	-137.2,	-59.3,	30	13.7,	248.8,	328.4,	-121.5,	-52.4,
31	13.7,	285.7,	306.8,	-102.2,	-44.0,	32	13.7,	314.0,	275.8,	-79.7,	-34.2,
33	13.7,	332.7,	236.4,	-54.9,	-23.4,	34	13.7,	341.3,	189.9,	-28.3,	-11.9,
35	13.7,	339.6,	138.4,	-0.9,	0.0,	36	13.7,	333.6,	101.5,	18.3,	11.2,

SOURCE ID: TTP44

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-13.1,	24.9,	2	13.7,	340.1,	204.2,	-44.0,	35.6,
3	13.7,	328.4,	248.8,	-73.5,	45.2,	4	13.7,	306.8,	285.7,	-100.8,	53.4,
5	13.7,	275.8,	314.0,	-125.1,	59.9,	6	13.7,	236.4,	332.7,	-145.6,	64.7,
7	13.7,	189.9,	341.3,	-161.6,	67.5,	8	13.7,	138.4,	339.6,	-172.7,	68.6,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-195.6,	64.0,
11	13.7,	204.2,	340.1,	-205.6,	58.1,	12	13.7,	248.8,	328.4,	-209.4,	50.8,
13	13.7,	285.7,	306.8,	-206.7,	42.0,	14	13.7,	314.0,	275.8,	-197.8,	31.9,
15	13.7,	332.7,	236.4,	-182.9,	20.8,	16	13.7,	341.3,	189.9,	-162.5,	9.1,
17	13.7,	339.6,	138.4,	-137.8,	-2.9,	18	13.7,	333.6,	101.5,	-119.7,	-14.1,
19	13.7,	341.4,	154.2,	-141.1,	-24.9,	20	13.7,	340.1,	204.2,	-160.3,	-35.6,
21	13.7,	328.4,	248.8,	-175.2,	-45.2,	22	13.7,	306.8,	285.7,	-184.9,	-53.4,
23	13.7,	275.8,	314.0,	-188.9,	-59.9,	24	13.7,	236.4,	332.7,	-187.1,	-64.7,
25	13.7,	189.9,	341.3,	-179.7,	-67.5,	26	13.7,	138.4,	339.6,	-166.9,	-68.6,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-145.8,	-64.0,
29	13.7,	204.2,	340.1,	-134.5,	-58.1,	30	13.7,	248.8,	328.4,	-119.0,	-50.8,
31	13.7,	285.7,	306.8,	-100.0,	-42.0,	32	13.7,	314.0,	275.8,	-77.9,	-31.9,
33	13.7,	332.7,	236.4,	-53.5,	-20.8,	34	13.7,	341.3,	189.9,	-27.4,	-9.1,
35	13.7,	339.6,	138.4,	-0.5,	2.9,	36	13.7,	333.6,	101.5,	18.2,	14.1,

\*\*\* AERMOD - VERSION 23132 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\15639  
 Spreckels\15639 Ops HRA\1 \*\*\* 09/20/24

\*\*\* AERMET - VERSION 21112 \*\*\*  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: TTP45

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-13.6,	27.9,	2	13.7,	340.1,	204.2,	-45.0,	38.4,
3	13.7,	328.4,	248.8,	-75.0,	47.8,	4	13.7,	306.8,	285.7,	-102.8,	55.7,

5	13.7,	275.8,	314.0,	-127.4,	61.9,	6	13.7,	236.4,	332.7,	-148.2,	66.2,
7	13.7,	189.9,	341.3,	-164.5,	68.5,	8	13.7,	138.4,	339.6,	-175.7,	69.2,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-198.6,	63.5,
11	13.7,	204.2,	340.1,	-208.5,	57.1,	12	13.7,	248.8,	328.4,	-212.0,	49.3,
13	13.7,	285.7,	306.8,	-209.1,	40.0,	14	13.7,	314.0,	275.8,	-199.8,	29.5,
15	13.7,	332.7,	236.4,	-184.5,	18.2,	16	13.7,	341.3,	189.9,	-163.5,	6.2,
17	13.7,	339.6,	138.4,	-138.3,	-5.9,	18	13.7,	333.6,	101.5,	-119.7,	-17.2,
19	13.7,	341.4,	154.2,	-140.6,	-27.9,	20	13.7,	340.1,	204.2,	-159.2,	-38.4,
21	13.7,	328.4,	248.8,	-173.7,	-47.8,	22	13.7,	306.8,	285.7,	-182.9,	-55.7,
23	13.7,	275.8,	314.0,	-186.5,	-61.9,	24	13.7,	236.4,	332.7,	-184.5,	-66.2,
25	13.7,	189.9,	341.3,	-176.9,	-68.5,	26	13.7,	138.4,	339.6,	-163.8,	-69.2,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-142.8,	-63.5,
29	13.7,	204.2,	340.1,	-131.6,	-57.1,	30	13.7,	248.8,	328.4,	-116.4,	-49.3,
31	13.7,	285.7,	306.8,	-97.7,	-40.0,	32	13.7,	314.0,	275.8,	-76.0,	-29.5,
33	13.7,	332.7,	236.4,	-52.0,	-18.2,	34	13.7,	341.3,	189.9,	-26.4,	-6.2,
35	13.7,	339.6,	138.4,	-0.0,	5.9,	36	13.7,	333.6,	101.5,	18.2,	17.2,

SOURCE ID: TTP46

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-14.4,	31.0,	2	13.7,	340.1,	204.2,	-46.3,	41.3,
3	13.7,	328.4,	248.8,	-76.8,	50.4,	4	13.7,	306.8,	285.7,	-105.0,	58.0,
5	13.7,	275.8,	314.0,	-130.0,	63.8,	6	13.7,	236.4,	332.7,	-151.1,	67.6,
7	13.7,	189.9,	341.3,	-167.5,	69.4,	8	13.7,	138.4,	339.6,	-178.9,	69.5,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-201.7,	62.7,
11	13.7,	204.2,	340.1,	-211.4,	55.8,	12	13.7,	248.8,	328.4,	-214.6,	47.5,
13	13.7,	285.7,	306.8,	-211.3,	37.8,	14	13.7,	314.0,	275.8,	-201.6,	27.0,
15	13.7,	332.7,	236.4,	-185.8,	15.3,	16	13.7,	341.3,	189.9,	-164.3,	3.1,
17	13.7,	339.6,	138.4,	-138.6,	-9.1,	18	13.7,	333.6,	101.5,	-119.4,	-20.3,
19	13.7,	341.4,	154.2,	-139.8,	-31.0,	20	13.7,	340.1,	204.2,	-157.9,	-41.3,
21	13.7,	328.4,	248.8,	-171.9,	-50.4,	22	13.7,	306.8,	285.7,	-180.7,	-58.0,
23	13.7,	275.8,	314.0,	-184.0,	-63.8,	24	13.7,	236.4,	332.7,	-181.6,	-67.6,
25	13.7,	189.9,	341.3,	-173.8,	-69.4,	26	13.7,	138.4,	339.6,	-160.7,	-69.5,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-139.7,	-62.7,
29	13.7,	204.2,	340.1,	-128.7,	-55.8,	30	13.7,	248.8,	328.4,	-113.8,	-47.5,
31	13.7,	285.7,	306.8,	-95.4,	-37.8,	32	13.7,	314.0,	275.8,	-74.1,	-27.0,
33	13.7,	332.7,	236.4,	-50.6,	-15.3,	34	13.7,	341.3,	189.9,	-25.6,	-3.1,
35	13.7,	339.6,	138.4,	0.3,	9.1,	36	13.7,	333.6,	101.5,	18.0,	20.3,

SOURCE ID: TTP47

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-15.1,	34.0,	2	13.7,	340.1,	204.2,	-47.5,	44.2,
3	13.7,	328.4,	248.8,	-78.5,	53.0,	4	13.7,	306.8,	285.7,	-107.1,	60.2,
5	13.7,	275.8,	314.0,	-132.4,	65.6,	6	13.7,	236.4,	332.7,	-153.8,	69.0,
7	13.7,	189.9,	341.3,	-170.4,	70.3,	8	13.7,	138.4,	339.6,	-181.9,	69.9,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-204.7,	62.0,
11	13.7,	204.2,	340.1,	-214.2,	54.6,	12	13.7,	248.8,	328.4,	-217.2,	45.9,
13	13.7,	285.7,	306.8,	-213.6,	35.8,	14	13.7,	314.0,	275.8,	-203.5,	24.6,
15	13.7,	332.7,	236.4,	-187.2,	12.6,	16	13.7,	341.3,	189.9,	-165.3,	0.2,
17	13.7,	339.6,	138.4,	-139.1,	-12.1,	18	13.7,	333.6,	101.5,	-119.3,	-23.4,
19	13.7,	341.4,	154.2,	-139.1,	-34.0,	20	13.7,	340.1,	204.2,	-156.8,	-44.2,
21	13.7,	328.4,	248.8,	-170.3,	-53.0,	22	13.7,	306.8,	285.7,	-178.6,	-60.2,
23	13.7,	275.8,	314.0,	-181.5,	-65.6,	24	13.7,	236.4,	332.7,	-178.9,	-69.0,
25	13.7,	189.9,	341.3,	-170.9,	-70.3,	26	13.7,	138.4,	339.6,	-157.7,	-69.9,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-136.7,	-62.0,
29	13.7,	204.2,	340.1,	-125.9,	-54.6,	30	13.7,	248.8,	328.4,	-111.2,	-45.9,
31	13.7,	285.7,	306.8,	-93.1,	-35.8,	32	13.7,	314.0,	275.8,	-72.3,	-24.6,
33	13.7,	332.7,	236.4,	-49.2,	-12.6,	34	13.7,	341.3,	189.9,	-24.6,	-0.2,
35	13.7,	339.6,	138.4,	0.7,	12.1,	36	13.7,	333.6,	101.5,	17.8,	23.4,

SOURCE ID: TTP48

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-15.4,	36.9,	2	13.7,	340.1,	204.2,	-48.4,	46.9,
3	13.7,	328.4,	248.8,	-79.8,	55.6,	4	13.7,	306.8,	285.7,	-108.9,	62.5,

5	13.7,	275.8,	314.0,	-134.6,	67.6,	6	13.7,	236.4,	332.7,	-156.2,	70.6,
7	13.7,	189.9,	341.3,	-173.1,	71.4,	8	13.7,	138.4,	339.6,	-184.8,	70.5,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-207.6,	61.6,
11	13.7,	204.2,	340.1,	-217.0,	53.8,	12	13.7,	248.8,	328.4,	-219.8,	44.5,
13	13.7,	285.7,	306.8,	-215.9,	34.0,	14	13.7,	314.0,	275.8,	-205.5,	22.4,
15	13.7,	332.7,	236.4,	-188.8,	10.1,	16	13.7,	341.3,	189.9,	-166.4,	-2.5,
17	13.7,	339.6,	138.4,	-139.7,	-15.0,	18	13.7,	333.6,	101.5,	-119.4,	-26.3,
19	13.7,	341.4,	154.2,	-138.7,	-36.9,	20	13.7,	340.1,	204.2,	-155.9,	-46.9,
21	13.7,	328.4,	248.8,	-168.9,	-55.6,	22	13.7,	306.8,	285.7,	-176.8,	-62.5,
23	13.7,	275.8,	314.0,	-179.4,	-67.6,	24	13.7,	236.4,	332.7,	-176.5,	-70.6,
25	13.7,	189.9,	341.3,	-168.2,	-71.4,	26	13.7,	138.4,	339.6,	-154.8,	-70.5,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-133.8,	-61.6,
29	13.7,	204.2,	340.1,	-123.1,	-53.8,	30	13.7,	248.8,	328.4,	-108.6,	-44.5,
31	13.7,	285.7,	306.8,	-90.8,	-34.0,	32	13.7,	314.0,	275.8,	-70.3,	-22.4,
33	13.7,	332.7,	236.4,	-47.6,	-10.1,	34	13.7,	341.3,	189.9,	-23.5,	2.5,
35	13.7,	339.6,	138.4,	1.3,	15.0,	36	13.7,	333.6,	101.5,	18.0,	26.3,

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: TTP49

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-16.2,	40.2,	2	13.7,	340.1,	204.2,	-49.6,	50.1,
3	13.7,	328.4,	248.8,	-81.6,	58.5,	4	13.7,	306.8,	285.7,	-111.1,	65.1,
5	13.7,	275.8,	314.0,	-137.3,	69.7,	6	13.7,	236.4,	332.7,	-159.2,	72.2,
7	13.7,	189.9,	341.3,	-176.4,	72.5,	8	13.7,	138.4,	339.6,	-188.1,	71.0,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-210.9,	60.9,
11	13.7,	204.2,	340.1,	-220.1,	52.5,	12	13.7,	248.8,	328.4,	-222.7,	42.7,
13	13.7,	285.7,	306.8,	-218.4,	31.7,	14	13.7,	314.0,	275.8,	-207.6,	19.7,
15	13.7,	332.7,	236.4,	-190.4,	7.1,	16	13.7,	341.3,	189.9,	-167.4,	-5.7,
17	13.7,	339.6,	138.4,	-140.2,	-18.4,	18	13.7,	333.6,	101.5,	-119.3,	-29.7,
19	13.7,	341.4,	154.2,	-138.0,	-40.2,	20	13.7,	340.1,	204.2,	-154.6,	-50.1,
21	13.7,	328.4,	248.8,	-167.1,	-58.5,	22	13.7,	306.8,	285.7,	-174.6,	-65.1,
23	13.7,	275.8,	314.0,	-176.7,	-69.7,	24	13.7,	236.4,	332.7,	-173.5,	-72.2,
25	13.7,	189.9,	341.3,	-164.9,	-72.5,	26	13.7,	138.4,	339.6,	-151.4,	-71.0,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-130.5,	-60.9,
29	13.7,	204.2,	340.1,	-119.9,	-52.5,	30	13.7,	248.8,	328.4,	-105.7,	-42.7,
31	13.7,	285.7,	306.8,	-88.3,	-31.7,	32	13.7,	314.0,	275.8,	-68.2,	-19.7,
33	13.7,	332.7,	236.4,	-46.0,	-7.1,	34	13.7,	341.3,	189.9,	-22.5,	5.7,
35	13.7,	339.6,	138.4,	1.8,	18.4,	36	13.7,	333.6,	101.5,	17.8,	29.7,

SOURCE ID: TTP50

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-16.8,	43.1,	2	13.7,	340.1,	204.2,	-50.8,	52.8,
3	13.7,	328.4,	248.8,	-83.2,	60.9,	4	13.7,	306.8,	285.7,	-113.1,	67.2,
5	13.7,	275.8,	314.0,	-139.6,	71.5,	6	13.7,	236.4,	332.7,	-161.8,	73.5,
7	13.7,	189.9,	341.3,	-179.2,	73.4,	8	13.7,	138.4,	339.6,	-191.0,	71.4,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-213.8,	60.3,
11	13.7,	204.2,	340.1,	-222.8,	51.4,	12	13.7,	248.8,	328.4,	-225.1,	41.2,
13	13.7,	285.7,	306.8,	-220.6,	29.7,	14	13.7,	314.0,	275.8,	-209.4,	17.4,
15	13.7,	332.7,	236.4,	-191.8,	4.5,	16	13.7,	341.3,	189.9,	-168.3,	-8.5,
17	13.7,	339.6,	138.4,	-140.5,	-21.2,	18	13.7,	333.6,	101.5,	-119.2,	-32.6,
19	13.7,	341.4,	154.2,	-137.4,	-43.1,	20	13.7,	340.1,	204.2,	-153.5,	-52.8,
21	13.7,	328.4,	248.8,	-165.6,	-60.9,	22	13.7,	306.8,	285.7,	-172.6,	-67.2,
23	13.7,	275.8,	314.0,	-174.4,	-71.5,	24	13.7,	236.4,	332.7,	-170.9,	-73.5,
25	13.7,	189.9,	341.3,	-162.2,	-73.4,	26	13.7,	138.4,	339.6,	-148.5,	-71.4,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-127.6,	-60.3,

29	13.7,	204.2,	340.1,	-117.2,	-51.4,	30	13.7,	248.8,	328.4,	-103.2,	-41.2,
31	13.7,	285.7,	306.8,	-86.1,	-29.7,	32	13.7,	314.0,	275.8,	-66.4,	-17.4,
33	13.7,	332.7,	236.4,	-44.7,	-4.5,	34	13.7,	341.3,	189.9,	-21.6,	8.5,
35	13.7,	339.6,	138.4,	2.2,	21.2,	36	13.7,	333.6,	101.5,	17.7,	32.6,

SOURCE ID: TTP51

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-17.3,	46.1,	2	13.7,	340.1,	204.2,	-51.8,	55.7,
3	13.7,	328.4,	248.8,	-84.7,	63.6,	4	13.7,	306.8,	285.7,	-115.1,	69.6,
5	13.7,	275.8,	314.0,	-141.9,	73.4,	6	13.7,	236.4,	332.7,	-164.5,	75.1,
7	13.7,	189.9,	341.3,	-182.0,	74.4,	8	13.7,	138.4,	339.6,	-194.0,	71.9,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-216.8,	59.8,
11	13.7,	204.2,	340.1,	-225.7,	50.3,	12	13.7,	248.8,	328.4,	-227.8,	39.6,
13	13.7,	285.7,	306.8,	-222.9,	27.8,	14	13.7,	314.0,	275.8,	-211.3,	15.1,
15	13.7,	332.7,	236.4,	-193.3,	1.9,	16	13.7,	341.3,	189.9,	-169.4,	-11.4,
17	13.7,	339.6,	138.4,	-141.1,	-24.2,	18	13.7,	333.6,	101.5,	-119.2,	-35.7,
19	13.7,	341.4,	154.2,	-136.9,	-46.1,	20	13.7,	340.1,	204.2,	-152.4,	-55.7,
21	13.7,	328.4,	248.8,	-164.0,	-63.6,	22	13.7,	306.8,	285.7,	-170.6,	-69.6,
23	13.7,	275.8,	314.0,	-172.0,	-73.4,	24	13.7,	236.4,	332.7,	-168.2,	-75.1,
25	13.7,	189.9,	341.3,	-159.3,	-74.4,	26	13.7,	138.4,	339.6,	-145.5,	-71.9,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-124.6,	-59.8,
29	13.7,	204.2,	340.1,	-114.4,	-50.3,	30	13.7,	248.8,	328.4,	-100.6,	-39.6,
31	13.7,	285.7,	306.8,	-83.8,	-27.8,	32	13.7,	314.0,	275.8,	-64.5,	-15.1,
33	13.7,	332.7,	236.4,	-43.1,	-1.9,	34	13.7,	341.3,	189.9,	-20.5,	11.4,
35	13.7,	339.6,	138.4,	2.7,	24.2,	36	13.7,	333.6,	101.5,	17.7,	35.7,

SOURCE ID: TTP52

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-18.1,	49.1,	2	13.7,	340.1,	204.2,	-53.1,	58.6,
3	13.7,	328.4,	248.8,	-86.5,	66.2,	4	13.7,	306.8,	285.7,	-117.3,	71.8,
5	13.7,	275.8,	314.0,	-144.5,	75.3,	6	13.7,	236.4,	332.7,	-167.3,	76.4,
7	13.7,	189.9,	341.3,	-185.1,	75.3,	8	13.7,	138.4,	339.6,	-197.2,	72.2,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-219.8,	59.0,
11	13.7,	204.2,	340.1,	-228.6,	49.0,	12	13.7,	248.8,	328.4,	-230.4,	37.9,
13	13.7,	285.7,	306.8,	-225.2,	25.6,	14	13.7,	314.0,	275.8,	-213.2,	12.5,
15	13.7,	332.7,	236.4,	-194.7,	-1.0,	16	13.7,	341.3,	189.9,	-170.2,	-14.4,
17	13.7,	339.6,	138.4,	-141.4,	-27.4,	18	13.7,	333.6,	101.5,	-118.9,	-38.8,
19	13.7,	341.4,	154.2,	-136.1,	-49.1,	20	13.7,	340.1,	204.2,	-151.1,	-58.6,
21	13.7,	328.4,	248.8,	-162.2,	-66.2,	22	13.7,	306.8,	285.7,	-168.4,	-71.8,
23	13.7,	275.8,	314.0,	-169.5,	-75.3,	24	13.7,	236.4,	332.7,	-165.4,	-76.4,
25	13.7,	189.9,	341.3,	-156.2,	-75.3,	26	13.7,	138.4,	339.6,	-142.4,	-72.2,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-121.6,	-59.0,
29	13.7,	204.2,	340.1,	-111.5,	-49.0,	30	13.7,	248.8,	328.4,	-98.0,	-37.9,
31	13.7,	285.7,	306.8,	-81.5,	-25.6,	32	13.7,	314.0,	275.8,	-62.6,	-12.5,
33	13.7,	332.7,	236.4,	-41.8,	1.0,	34	13.7,	341.3,	189.9,	-19.7,	14.4,
35	13.7,	339.6,	138.4,	3.0,	27.4,	36	13.7,	333.6,	101.5,	17.5,	38.8,

\*\*\* AERMOD - VERSION 23132 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\15639  
 Spreckels\15639 Ops HRA\1 \*\*\*      09/20/24  
 \*\*\* AERMET - VERSION 21112 \*\*\*  
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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    URBAN    ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: TTP53

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-18.8,	52.1,	2	13.7,	340.1,	204.2,	-54.3,	61.4,
3	13.7,	328.4,	248.8,	-88.1,	68.8,	4	13.7,	306.8,	285.7,	-119.3,	74.1,
5	13.7,	275.8,	314.0,	-146.9,	77.1,	6	13.7,	236.4,	332.7,	-170.0,	77.8,
7	13.7,	189.9,	341.3,	-188.0,	76.2,	8	13.7,	138.4,	339.6,	-200.2,	72.6,

9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-222.8,	58.3,
11	13.7,	204.2,	340.1,	-231.4,	47.8,	12	13.7,	248.8,	328.4,	-233.0,	36.2,
13	13.7,	285.7,	306.8,	-227.5,	23.5,	14	13.7,	314.0,	275.8,	-215.0,	10.1,
15	13.7,	332.7,	236.4,	-196.1,	-3.7,	16	13.7,	341.3,	189.9,	-171.2,	-17.3,
17	13.7,	339.6,	138.4,	-141.8,	-30.4,	18	13.7,	333.6,	101.5,	-118.8,	-41.9,
19	13.7,	341.4,	154.2,	-135.4,	-52.1,	20	13.7,	340.1,	204.2,	-150.0,	-61.4,
21	13.7,	328.4,	248.8,	-160.6,	-68.8,	22	13.7,	306.8,	285.7,	-166.4,	-74.1,
23	13.7,	275.8,	314.0,	-167.0,	-77.1,	24	13.7,	236.4,	332.7,	-162.7,	-77.8,
25	13.7,	189.9,	341.3,	-153.3,	-76.2,	26	13.7,	138.4,	339.6,	-139.4,	-72.6,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-118.6,	-58.3,
29	13.7,	204.2,	340.1,	-108.6,	-47.8,	30	13.7,	248.8,	328.4,	-95.4,	-36.2,
31	13.7,	285.7,	306.8,	-79.3,	-23.5,	32	13.7,	314.0,	275.8,	-60.8,	-10.1,
33	13.7,	332.7,	236.4,	-40.4,	3.7,	34	13.7,	341.3,	189.9,	-18.8,	17.3,
35	13.7,	339.6,	138.4,	3.4,	30.4,	36	13.7,	333.6,	101.5,	17.4,	41.9,

SOURCE ID: TTP54

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-19.1,	55.0,	2	13.7,	340.1,	204.2,	-55.1,	64.2,
3	13.7,	328.4,	248.8,	-89.5,	71.4,	4	13.7,	306.8,	285.7,	-121.1,	76.4,
5	13.7,	275.8,	314.0,	-149.1,	79.1,	6	13.7,	236.4,	332.7,	-172.5,	79.4,
7	13.7,	189.9,	341.3,	-190.7,	77.3,	8	13.7,	138.4,	339.6,	-203.1,	73.2,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-225.7,	57.9,
11	13.7,	204.2,	340.1,	-234.2,	47.0,	12	13.7,	248.8,	328.4,	-235.6,	34.9,
13	13.7,	285.7,	306.8,	-229.8,	21.7,	14	13.7,	314.0,	275.8,	-217.0,	7.9,
15	13.7,	332.7,	236.4,	-197.6,	-6.1,	16	13.7,	341.3,	189.9,	-172.3,	-20.0,
17	13.7,	339.6,	138.4,	-142.4,	-33.3,	18	13.7,	333.6,	101.5,	-118.9,	-44.8,
19	13.7,	341.4,	154.2,	-135.0,	-55.0,	20	13.7,	340.1,	204.2,	-149.1,	-64.2,
21	13.7,	328.4,	248.8,	-159.2,	-71.4,	22	13.7,	306.8,	285.7,	-164.6,	-76.4,
23	13.7,	275.8,	314.0,	-164.9,	-79.1,	24	13.7,	236.4,	332.7,	-160.2,	-79.4,
25	13.7,	189.9,	341.3,	-150.6,	-77.3,	26	13.7,	138.4,	339.6,	-136.5,	-73.2,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-115.7,	-57.9,
29	13.7,	204.2,	340.1,	-105.9,	-47.0,	30	13.7,	248.8,	328.4,	-92.8,	-34.9,
31	13.7,	285.7,	306.8,	-77.0,	-21.7,	32	13.7,	314.0,	275.8,	-58.8,	-7.9,
33	13.7,	332.7,	236.4,	-38.8,	6.1,	34	13.7,	341.3,	189.9,	-17.6,	20.0,
35	13.7,	339.6,	138.4,	4.1,	33.3,	36	13.7,	333.6,	101.5,	17.5,	44.8,

SOURCE ID: TTP55

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-20.0,	57.9,	2	13.7,	340.1,	204.2,	-56.5,	66.9,
3	13.7,	328.4,	248.8,	-91.3,	73.8,	4	13.7,	306.8,	285.7,	-123.4,	78.5,
5	13.7,	275.8,	314.0,	-151.7,	80.8,	6	13.7,	236.4,	332.7,	-175.3,	80.6,
7	13.7,	189.9,	341.3,	-193.7,	78.0,	8	13.7,	138.4,	339.6,	-206.1,	73.4,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-228.7,	57.1,
11	13.7,	204.2,	340.1,	-236.9,	45.6,	12	13.7,	248.8,	328.4,	-238.0,	33.0,
13	13.7,	285.7,	306.8,	-231.9,	19.5,	14	13.7,	314.0,	275.8,	-218.7,	5.3,
15	13.7,	332.7,	236.4,	-198.8,	-9.0,	16	13.7,	341.3,	189.9,	-173.0,	-23.0,
17	13.7,	339.6,	138.4,	-142.6,	-36.3,	18	13.7,	333.6,	101.5,	-118.6,	-47.8,
19	13.7,	341.4,	154.2,	-134.1,	-57.9,	20	13.7,	340.1,	204.2,	-147.7,	-66.9,
21	13.7,	328.4,	248.8,	-157.4,	-73.8,	22	13.7,	306.8,	285.7,	-162.3,	-78.5,
23	13.7,	275.8,	314.0,	-162.3,	-80.8,	24	13.7,	236.4,	332.7,	-157.4,	-80.6,
25	13.7,	189.9,	341.3,	-147.7,	-78.0,	26	13.7,	138.4,	339.6,	-133.4,	-73.4,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-112.8,	-57.1,
29	13.7,	204.2,	340.1,	-103.1,	-45.6,	30	13.7,	248.8,	328.4,	-90.4,	-33.0,
31	13.7,	285.7,	306.8,	-74.9,	-19.5,	32	13.7,	314.0,	275.8,	-57.1,	-5.3,
33	13.7,	332.7,	236.4,	-37.6,	9.0,	34	13.7,	341.3,	189.9,	-16.9,	23.0,
35	13.7,	339.6,	138.4,	4.2,	36.3,	36	13.7,	333.6,	101.5,	17.1,	47.8,

SOURCE ID: TTP56

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-20.7,	60.8,	2	13.7,	340.1,	204.2,	-57.6,	69.6,
3	13.7,	328.4,	248.8,	-92.9,	76.3,	4	13.7,	306.8,	285.7,	-125.3,	80.7,
5	13.7,	275.8,	314.0,	-154.0,	82.6,	6	13.7,	236.4,	332.7,	-177.9,	82.0,
7	13.7,	189.9,	341.3,	-196.5,	78.9,	8	13.7,	138.4,	339.6,	-209.0,	73.8,

9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-231.5,	56.4,
11	13.7,	204.2,	340.1,	-239.7,	44.5,	12	13.7,	248.8,	328.4,	-240.5,	31.5,
13	13.7,	285.7,	306.8,	-234.0,	17.5,	14	13.7,	314.0,	275.8,	-220.5,	3.0,
15	13.7,	332.7,	236.4,	-200.2,	-11.6,	16	13.7,	341.3,	189.9,	-173.9,	-25.8,
17	13.7,	339.6,	138.4,	-143.0,	-39.2,	18	13.7,	333.6,	101.5,	-118.4,	-50.8,
19	13.7,	341.4,	154.2,	-133.5,	-60.8,	20	13.7,	340.1,	204.2,	-146.6,	-69.6,
21	13.7,	328.4,	248.8,	-155.8,	-76.3,	22	13.7,	306.8,	285.7,	-160.4,	-80.7,
23	13.7,	275.8,	314.0,	-160.0,	-82.6,	24	13.7,	236.4,	332.7,	-154.8,	-82.0,
25	13.7,	189.9,	341.3,	-144.9,	-78.9,	26	13.7,	138.4,	339.6,	-130.5,	-73.8,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-109.9,	-56.4,
29	13.7,	204.2,	340.1,	-100.4,	-44.5,	30	13.7,	248.8,	328.4,	-87.9,	-31.5,
31	13.7,	285.7,	306.8,	-72.7,	-17.5,	32	13.7,	314.0,	275.8,	-55.3,	-3.0,
33	13.7,	332.7,	236.4,	-36.2,	11.6,	34	13.7,	341.3,	189.9,	-16.1,	25.8,
35	13.7,	339.6,	138.4,	4.6,	39.2,	36	13.7,	333.6,	101.5,	17.0,	50.8,

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 Sprechels\15639 Ops HRA\1 \*\*\* 09/20/24

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: TTP57

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-21.2,	63.8,	2	13.7,	340.1,	204.2,	-58.7,	72.5,
3	13.7,	328.4,	248.8,	-94.4,	78.9,	4	13.7,	306.8,	285.7,	-127.3,	83.0,
5	13.7,	275.8,	314.0,	-156.3,	84.5,	6	13.7,	236.4,	332.7,	-180.6,	83.5,
7	13.7,	189.9,	341.3,	-199.3,	79.9,	8	13.7,	138.4,	339.6,	-212.0,	74.3,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-234.5,	55.9,
11	13.7,	204.2,	340.1,	-242.5,	43.4,	12	13.7,	248.8,	328.4,	-243.1,	29.9,
13	13.7,	285.7,	306.8,	-236.4,	15.6,	14	13.7,	314.0,	275.8,	-222.4,	0.7,
15	13.7,	332.7,	236.4,	-201.7,	-14.2,	16	13.7,	341.3,	189.9,	-174.9,	-28.7,
17	13.7,	339.6,	138.4,	-143.5,	-42.2,	18	13.7,	333.6,	101.5,	-118.4,	-53.8,
19	13.7,	341.4,	154.2,	-133.0,	-63.8,	20	13.7,	340.1,	204.2,	-145.6,	-72.5,
21	13.7,	328.4,	248.8,	-154.3,	-78.9,	22	13.7,	306.8,	285.7,	-158.4,	-83.0,
23	13.7,	275.8,	314.0,	-157.7,	-84.5,	24	13.7,	236.4,	332.7,	-152.1,	-83.5,
25	13.7,	189.9,	341.3,	-142.0,	-79.9,	26	13.7,	138.4,	339.6,	-127.5,	-74.3,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-106.9,	-55.9,
29	13.7,	204.2,	340.1,	-97.6,	-43.4,	30	13.7,	248.8,	328.4,	-85.3,	-29.9,
31	13.7,	285.7,	306.8,	-70.4,	-15.6,	32	13.7,	314.0,	275.8,	-53.4,	-0.7,
33	13.7,	332.7,	236.4,	-34.7,	14.2,	34	13.7,	341.3,	189.9,	-15.0,	28.7,
35	13.7,	339.6,	138.4,	5.1,	42.2,	36	13.7,	333.6,	101.5,	17.0,	53.8,

SOURCE ID: TTP58

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-22.0,	66.9,	2	13.7,	340.1,	204.2,	-60.0,	75.4,
3	13.7,	328.4,	248.8,	-96.2,	81.5,	4	13.7,	306.8,	285.7,	-129.5,	85.3,
5	13.7,	275.8,	314.0,	-158.9,	86.4,	6	13.7,	236.4,	332.7,	-183.4,	84.9,
7	13.7,	189.9,	341.3,	-202.4,	80.8,	8	13.7,	138.4,	339.6,	-215.2,	74.6,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-237.6,	55.1,
11	13.7,	204.2,	340.1,	-245.4,	42.1,	12	13.7,	248.8,	328.4,	-245.8,	28.2,
13	13.7,	285.7,	306.8,	-238.6,	13.3,	14	13.7,	314.0,	275.8,	-224.3,	-1.9,
15	13.7,	332.7,	236.4,	-203.1,	-17.1,	16	13.7,	341.3,	189.9,	-175.8,	-31.7,
17	13.7,	339.6,	138.4,	-143.8,	-45.4,	18	13.7,	333.6,	101.5,	-118.2,	-57.0,
19	13.7,	341.4,	154.2,	-132.2,	-66.9,	20	13.7,	340.1,	204.2,	-144.2,	-75.4,
21	13.7,	328.4,	248.8,	-152.5,	-81.5,	22	13.7,	306.8,	285.7,	-156.2,	-85.3,
23	13.7,	275.8,	314.0,	-155.1,	-86.4,	24	13.7,	236.4,	332.7,	-149.3,	-84.9,
25	13.7,	189.9,	341.3,	-138.9,	-80.8,	26	13.7,	138.4,	339.6,	-124.4,	-74.6,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-103.8,	-55.1,
29	13.7,	204.2,	340.1,	-94.7,	-42.1,	30	13.7,	248.8,	328.4,	-82.6,	-28.2,
31	13.7,	285.7,	306.8,	-68.1,	-13.3,	32	13.7,	314.0,	275.8,	-51.5,	1.9,

33	13.7,	332.7,	236.4,	-33.3,	17.1,	34	13.7,	341.3,	189.9,	-14.2,	31.7,
35	13.7,	339.6,	138.4,	5.5,	45.4,	36	13.7,	333.6,	101.5,	16.8,	57.0,

SOURCE ID: TTP59

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-22.6,	69.9,	2	13.7,	340.1,	204.2,	-61.2,	78.2,
3	13.7,	328.4,	248.8,	-97.9,	84.1,	4	13.7,	306.8,	285.7,	-131.6,	87.5,
5	13.7,	275.8,	314.0,	-161.3,	88.2,	6	13.7,	236.4,	332.7,	-186.1,	86.3,
7	13.7,	189.9,	341.3,	-205.3,	81.7,	8	13.7,	138.4,	339.6,	-218.2,	75.0,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-240.6,	54.5,
11	13.7,	204.2,	340.1,	-248.2,	41.0,	12	13.7,	248.8,	328.4,	-248.3,	26.5,
13	13.7,	285.7,	306.8,	-240.9,	11.3,	14	13.7,	314.0,	275.8,	-226.1,	-4.3,
15	13.7,	332.7,	236.4,	-204.5,	-19.8,	16	13.7,	341.3,	189.9,	-176.7,	-34.6,
17	13.7,	339.6,	138.4,	-144.2,	-48.4,	18	13.7,	333.6,	101.5,	-118.1,	-60.0,
19	13.7,	341.4,	154.2,	-131.5,	-69.9,	20	13.7,	340.1,	204.2,	-143.1,	-78.2,
21	13.7,	328.4,	248.8,	-150.9,	-84.1,	22	13.7,	306.8,	285.7,	-154.1,	-87.5,
23	13.7,	275.8,	314.0,	-152.7,	-88.2,	24	13.7,	236.4,	332.7,	-146.6,	-86.3,
25	13.7,	189.9,	341.3,	-136.0,	-81.7,	26	13.7,	138.4,	339.6,	-121.4,	-75.0,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-100.8,	-54.5,
29	13.7,	204.2,	340.1,	-91.9,	-41.0,	30	13.7,	248.8,	328.4,	-80.1,	-26.5,
31	13.7,	285.7,	306.8,	-65.9,	-11.3,	32	13.7,	314.0,	275.8,	-49.6,	4.3,
33	13.7,	332.7,	236.4,	-31.9,	19.8,	34	13.7,	341.3,	189.9,	-13.2,	34.6,
35	13.7,	339.6,	138.4,	5.9,	48.4,	36	13.7,	333.6,	101.5,	16.6,	60.0,

SOURCE ID: TTP60

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-23.0,	72.8,	2	13.7,	340.1,	204.2,	-62.0,	81.0,
3	13.7,	328.4,	248.8,	-99.2,	86.7,	4	13.7,	306.8,	285.7,	-133.4,	89.8,
5	13.7,	275.8,	314.0,	-163.5,	90.2,	6	13.7,	236.4,	332.7,	-188.6,	87.9,
7	13.7,	189.9,	341.3,	-208.0,	82.8,	8	13.7,	138.4,	339.6,	-221.1,	75.7,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-243.5,	54.1,
11	13.7,	204.2,	340.1,	-251.0,	40.1,	12	13.7,	248.8,	328.4,	-250.9,	25.2,
13	13.7,	285.7,	306.8,	-243.2,	9.5,	14	13.7,	314.0,	275.8,	-228.1,	-6.5,
15	13.7,	332.7,	236.4,	-206.1,	-22.2,	16	13.7,	341.3,	189.9,	-177.8,	-37.3,
17	13.7,	339.6,	138.4,	-144.9,	-51.3,	18	13.7,	333.6,	101.5,	-118.2,	-62.9,
19	13.7,	341.4,	154.2,	-131.2,	-72.8,	20	13.7,	340.1,	204.2,	-142.2,	-81.0,
21	13.7,	328.4,	248.8,	-149.6,	-86.7,	22	13.7,	306.8,	285.7,	-152.4,	-89.8,
23	13.7,	275.8,	314.0,	-150.5,	-90.2,	24	13.7,	236.4,	332.7,	-144.1,	-87.9,
25	13.7,	189.9,	341.3,	-133.3,	-82.8,	26	13.7,	138.4,	339.6,	-118.5,	-75.7,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-98.0,	-54.1,
29	13.7,	204.2,	340.1,	-89.1,	-40.1,	30	13.7,	248.8,	328.4,	-77.5,	-25.2,
31	13.7,	285.7,	306.8,	-63.5,	-9.5,	32	13.7,	314.0,	275.8,	-47.7,	6.5,
33	13.7,	332.7,	236.4,	-30.4,	22.2,	34	13.7,	341.3,	189.9,	-12.1,	37.3,
35	13.7,	339.6,	138.4,	6.5,	51.3,	36	13.7,	333.6,	101.5,	16.8,	62.9,

\*\*\* AERMOD - VERSION 23132 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\15639  
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\*\*\* MODELOPTs:      RegDFAULT    CONC    ELEV    URBAN    ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: TTP61

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-23.4,	76.0,	2	13.7,	340.1,	204.2,	-63.0,	84.1,
3	13.7,	328.4,	248.8,	-100.8,	89.6,	4	13.7,	306.8,	285.7,	-135.4,	92.4,
5	13.7,	275.8,	314.0,	-165.9,	92.4,	6	13.7,	236.4,	332.7,	-191.4,	89.6,
7	13.7,	189.9,	341.3,	-211.0,	84.1,	8	0.0,	0.0,	0.0,	0.0,	0.0,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-246.7,	53.6,
11	13.7,	204.2,	340.1,	-254.1,	39.1,	12	13.7,	248.8,	328.4,	-253.8,	23.6,



13	13.7,	285.7,	306.8,	-245.8,	7.5,	14	13.7,	314.0,	275.8,	-230.3,	-8.9,
15	13.7,	332.7,	236.4,	-207.8,	-25.0,	16	13.7,	341.3,	189.9,	-179.0,	-40.4,
17	13.7,	339.6,	138.4,	-145.5,	-54.5,	18	13.7,	333.6,	101.5,	-118.3,	-66.2,
19	13.7,	341.4,	154.2,	-130.7,	-76.0,	20	13.7,	340.1,	204.2,	-141.2,	-84.1,
21	13.7,	328.4,	248.8,	-148.0,	-89.6,	22	13.7,	306.8,	285.7,	-150.3,	-92.4,
23	13.7,	275.8,	314.0,	-148.1,	-92.4,	24	13.7,	236.4,	332.7,	-141.3,	-89.6,
25	13.7,	189.9,	341.3,	-130.3,	-84.1,	26	0.0,	0.0,	0.0,	0.0,	0.0,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-94.7,	-53.6,
29	13.7,	204.2,	340.1,	-85.9,	-39.1,	30	13.7,	248.8,	328.4,	-74.6,	-23.6,
31	13.7,	285.7,	306.8,	-60.9,	-7.5,	32	13.7,	314.0,	275.8,	-45.5,	8.9,
33	13.7,	332.7,	236.4,	-28.6,	25.0,	34	13.7,	341.3,	189.9,	-10.9,	40.4,
35	13.7,	339.6,	138.4,	7.2,	54.5,	36	13.7,	333.6,	101.5,	16.9,	66.2,

SOURCE ID: TTP62

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-24.1,	78.9,	2	13.7,	340.1,	204.2,	-64.2,	86.8,
3	13.7,	328.4,	248.8,	-102.3,	92.1,	4	13.7,	306.8,	285.7,	-137.4,	94.6,
5	13.7,	275.8,	314.0,	-168.2,	94.2,	6	13.7,	236.4,	332.7,	-194.0,	91.0,
7	13.7,	189.9,	341.3,	-213.8,	85.0,	8	0.0,	0.0,	0.0,	0.0,	0.0,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-249.6,	53.0,
11	13.7,	204.2,	340.1,	-256.8,	37.9,	12	13.7,	248.8,	328.4,	-256.3,	22.1,
13	13.7,	285.7,	306.8,	-248.0,	5.5,	14	13.7,	314.0,	275.8,	-232.1,	-11.2,
15	13.7,	332.7,	236.4,	-209.2,	-27.6,	16	13.7,	341.3,	189.9,	-179.9,	-43.2,
17	13.7,	339.6,	138.4,	-145.9,	-57.4,	18	13.7,	333.6,	101.5,	-118.2,	-69.2,
19	13.7,	341.4,	154.2,	-130.1,	-78.9,	20	13.7,	340.1,	204.2,	-140.1,	-86.8,
21	13.7,	328.4,	248.8,	-146.4,	-92.1,	22	13.7,	306.8,	285.7,	-148.4,	-94.6,
23	13.7,	275.8,	314.0,	-145.8,	-94.2,	24	13.7,	236.4,	332.7,	-138.7,	-91.0,
25	13.7,	189.9,	341.3,	-127.5,	-85.0,	26	0.0,	0.0,	0.0,	0.0,	0.0,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-91.8,	-53.0,
29	13.7,	204.2,	340.1,	-83.2,	-37.9,	30	13.7,	248.8,	328.4,	-72.1,	-22.1,
31	13.7,	285.7,	306.8,	-58.8,	-5.5,	32	13.7,	314.0,	275.8,	-43.7,	11.2,
33	13.7,	332.7,	236.4,	-27.2,	27.6,	34	13.7,	341.3,	189.9,	-10.0,	43.2,
35	13.7,	339.6,	138.4,	7.6,	57.4,	36	13.7,	333.6,	101.5,	16.8,	69.2,

SOURCE ID: TTP63

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-24.6,	81.9,	2	13.7,	340.1,	204.2,	-65.2,	89.7,
3	13.7,	328.4,	248.8,	-103.8,	94.7,	4	13.7,	306.8,	285.7,	-139.3,	96.9,
5	13.7,	275.8,	314.0,	-170.5,	96.2,	6	13.7,	236.4,	332.7,	-196.6,	92.5,
7	13.7,	189.9,	341.3,	-216.7,	86.0,	8	0.0,	0.0,	0.0,	0.0,	0.0,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-252.6,	52.5,
11	13.7,	204.2,	340.1,	-259.7,	36.9,	12	13.7,	248.8,	328.4,	-258.9,	20.5,
13	13.7,	285.7,	306.8,	-250.3,	3.5,	14	13.7,	314.0,	275.8,	-234.1,	-13.6,
15	13.7,	332.7,	236.4,	-210.7,	-30.2,	16	13.7,	341.3,	189.9,	-181.0,	-46.0,
17	13.7,	339.6,	138.4,	-146.5,	-60.4,	18	13.7,	333.6,	101.5,	-118.2,	-72.2,
19	13.7,	341.4,	154.2,	-129.6,	-81.9,	20	13.7,	340.1,	204.2,	-139.0,	-89.7,
21	13.7,	328.4,	248.8,	-144.9,	-94.7,	22	13.7,	306.8,	285.7,	-146.4,	-96.9,
23	13.7,	275.8,	314.0,	-143.4,	-96.2,	24	13.7,	236.4,	332.7,	-136.1,	-92.5,
25	13.7,	189.9,	341.3,	-124.6,	-86.0,	26	0.0,	0.0,	0.0,	0.0,	0.0,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-88.8,	-52.5,
29	13.7,	204.2,	340.1,	-80.4,	-36.9,	30	13.7,	248.8,	328.4,	-69.5,	-20.5,
31	13.7,	285.7,	306.8,	-56.4,	-3.5,	32	13.7,	314.0,	275.8,	-41.7,	13.6,
33	13.7,	332.7,	236.4,	-25.7,	30.2,	34	13.7,	341.3,	189.9,	-8.9,	46.0,
35	13.7,	339.6,	138.4,	8.1,	60.4,	36	13.7,	333.6,	101.5,	16.8,	72.2,

SOURCE ID: TTP64

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-25.4,	85.0,	2	13.7,	340.1,	204.2,	-66.5,	92.6,
3	13.7,	328.4,	248.8,	-105.6,	97.4,	4	13.7,	306.8,	285.7,	-141.5,	99.2,
5	13.7,	275.8,	314.0,	-173.1,	98.0,	6	13.7,	236.4,	332.7,	-199.5,	93.9,
7	13.7,	189.9,	341.3,	-219.7,	86.8,	8	0.0,	0.0,	0.0,	0.0,	0.0,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-255.7,	51.7,
11	13.7,	204.2,	340.1,	-262.6,	35.6,	12	13.7,	248.8,	328.4,	-261.6,	18.7,

13	13.7,	285.7,	306.8,	-252.6,	1.3,	14	13.7,	314.0,	275.8,	-235.9,	-16.2,
15	13.7,	332.7,	236.4,	-212.1,	-33.1,	16	13.7,	341.3,	189.9,	-181.8,	-49.1,
17	13.7,	339.6,	138.4,	-146.8,	-63.6,	18	13.7,	333.6,	101.5,	-118.0,	-75.4,
19	13.7,	341.4,	154.2,	-128.8,	-85.0,	20	13.7,	340.1,	204.2,	-137.7,	-92.6,
21	13.7,	328.4,	248.8,	-143.1,	-97.4,	22	13.7,	306.8,	285.7,	-144.2,	-99.2,
23	13.7,	275.8,	314.0,	-140.8,	-98.0,	24	13.7,	236.4,	332.7,	-133.2,	-93.9,
25	13.7,	189.9,	341.3,	-121.6,	-86.8,	26	0.0,	0.0,	0.0,	0.0,	0.0,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-85.8,	-51.7,
29	13.7,	204.2,	340.1,	-77.5,	-35.6,	30	13.7,	248.8,	328.4,	-66.8,	-18.7,
31	13.7,	285.7,	306.8,	-54.2,	-1.3,	32	13.7,	314.0,	275.8,	-39.9,	16.2,
33	13.7,	332.7,	236.4,	-24.4,	33.1,	34	13.7,	341.3,	189.9,	-8.1,	49.1,
35	13.7,	339.6,	138.4,	8.4,	63.6,	36	13.7,	333.6,	101.5,	16.5,	75.4,

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 Spreckels\15639 Ops HRA\1 \*\*\*      09/20/24  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: TTP65

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-26.1,	87.9,	2	13.7,	340.1,	204.2,	-67.7,	95.4,
3	13.7,	328.4,	248.8,	-107.3,	99.9,	4	13.7,	306.8,	285.7,	-143.6,	101.4,
5	13.7,	275.8,	314.0,	-175.5,	99.9,	6	13.7,	236.4,	332.7,	-202.2,	95.3,
7	13.7,	189.9,	341.3,	-222.6,	87.8,	8	0.0,	0.0,	0.0,	0.0,	0.0,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-258.6,	51.0,
11	13.7,	204.2,	340.1,	-265.4,	34.4,	12	13.7,	248.8,	328.4,	-264.1,	17.1,
13	13.7,	285.7,	306.8,	-254.8,	-0.7,	14	13.7,	314.0,	275.8,	-237.8,	-18.6,
15	13.7,	332.7,	236.4,	-213.5,	-35.8,	16	13.7,	341.3,	189.9,	-182.7,	-52.0,
17	13.7,	339.6,	138.4,	-147.2,	-66.6,	18	13.7,	333.6,	101.5,	-117.8,	-78.4,
19	13.7,	341.4,	154.2,	-128.1,	-87.9,	20	13.7,	340.1,	204.2,	-136.6,	-95.4,
21	13.7,	328.4,	248.8,	-141.5,	-99.9,	22	13.7,	306.8,	285.7,	-142.1,	-101.4,
23	13.7,	275.8,	314.0,	-138.4,	-99.9,	24	13.7,	236.4,	332.7,	-130.5,	-95.3,
25	13.7,	189.9,	341.3,	-118.7,	-87.8,	26	0.0,	0.0,	0.0,	0.0,	0.0,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-82.8,	-51.0,
29	13.7,	204.2,	340.1,	-74.7,	-34.4,	30	13.7,	248.8,	328.4,	-64.3,	-17.1,
31	13.7,	285.7,	306.8,	-51.9,	0.7,	32	13.7,	314.0,	275.8,	-38.0,	18.6,
33	13.7,	332.7,	236.4,	-22.9,	35.8,	34	13.7,	341.3,	189.9,	-7.2,	52.0,
35	13.7,	339.6,	138.4,	8.8,	66.6,	36	13.7,	333.6,	101.5,	16.4,	78.4,

SOURCE ID: TTP66

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-26.4,	90.8,	2	13.7,	340.1,	204.2,	-68.6,	98.2,
3	13.7,	328.4,	248.8,	-108.6,	102.5,	4	13.7,	306.8,	285.7,	-145.4,	103.8,
5	13.7,	275.8,	314.0,	-177.7,	101.8,	6	13.7,	236.4,	332.7,	-204.6,	96.8,
7	13.7,	189.9,	341.3,	-225.3,	88.9,	8	0.0,	0.0,	0.0,	0.0,	0.0,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-261.5,	50.6,
11	13.7,	204.2,	340.1,	-268.2,	33.6,	12	13.7,	248.8,	328.4,	-266.7,	15.8,
13	13.7,	285.7,	306.8,	-257.1,	-2.5,	14	13.7,	314.0,	275.8,	-239.7,	-20.7,
15	13.7,	332.7,	236.4,	-215.1,	-38.3,	16	13.7,	341.3,	189.9,	-183.8,	-54.7,
17	13.7,	339.6,	138.4,	-147.8,	-69.4,	18	13.7,	333.6,	101.5,	-118.0,	-81.3,
19	13.7,	341.4,	154.2,	-127.7,	-90.8,	20	13.7,	340.1,	204.2,	-135.7,	-98.2,
21	13.7,	328.4,	248.8,	-140.1,	-102.5,	22	13.7,	306.8,	285.7,	-140.3,	-103.8,
23	13.7,	275.8,	314.0,	-136.3,	-101.8,	24	13.7,	236.4,	332.7,	-128.1,	-96.8,
25	13.7,	189.9,	341.3,	-116.0,	-88.9,	26	0.0,	0.0,	0.0,	0.0,	0.0,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-79.9,	-50.6,
29	13.7,	204.2,	340.1,	-71.9,	-33.6,	30	13.7,	248.8,	328.4,	-61.7,	-15.8,
31	13.7,	285.7,	306.8,	-49.6,	2.5,	32	13.7,	314.0,	275.8,	-36.0,	20.7,
33	13.7,	332.7,	236.4,	-21.4,	38.3,	34	13.7,	341.3,	189.9,	-6.1,	54.7,
35	13.7,	339.6,	138.4,	9.5,	69.4,	36	13.7,	333.6,	101.5,	16.5,	81.3,

SOURCE ID: TTP67

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-27.2,	93.8,	2	13.7,	340.1,	204.2,	-69.8,	101.0,
3	13.7,	328.4,	248.8,	-110.3,	105.0,	4	13.7,	306.8,	285.7,	-147.5,	105.9,
5	13.7,	275.8,	314.0,	-180.2,	103.6,	6	13.7,	236.4,	332.7,	-207.4,	98.2,
7	13.7,	189.9,	341.3,	-228.3,	89.7,	8	0.0,	0.0,	0.0,	0.0,	0.0,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-264.5,	49.9,
11	13.7,	204.2,	340.1,	-271.0,	32.3,	12	13.7,	248.8,	328.4,	-269.2,	14.0,
13	13.7,	285.7,	306.8,	-259.3,	-4.7,	14	13.7,	314.0,	275.8,	-241.5,	-23.2,
15	13.7,	332.7,	236.4,	-216.4,	-41.0,	16	13.7,	341.3,	189.9,	-184.7,	-57.6,
17	13.7,	339.6,	138.4,	-148.1,	-72.5,	18	13.7,	333.6,	101.5,	-117.7,	-84.4,
19	13.7,	341.4,	154.2,	-127.0,	-93.8,	20	13.7,	340.1,	204.2,	-134.4,	-101.0,
21	13.7,	328.4,	248.8,	-138.4,	-105.0,	22	13.7,	306.8,	285.7,	-138.2,	-105.9,
23	13.7,	275.8,	314.0,	-133.8,	-103.6,	24	13.7,	236.4,	332.7,	-125.3,	-98.2,
25	13.7,	189.9,	341.3,	-113.0,	-89.7,	26	0.0,	0.0,	0.0,	0.0,	0.0,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-76.9,	-49.9,
29	13.7,	204.2,	340.1,	-69.1,	-32.3,	30	13.7,	248.8,	328.4,	-59.2,	-14.0,
31	13.7,	285.7,	306.8,	-47.4,	4.7,	32	13.7,	314.0,	275.8,	-34.3,	23.2,
33	13.7,	332.7,	236.4,	-20.1,	41.0,	34	13.7,	341.3,	189.9,	-5.2,	57.6,
35	13.7,	339.6,	138.4,	9.7,	72.5,	36	13.7,	333.6,	101.5,	16.3,	84.4,

SOURCE ID: TTP68

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-27.8,	96.6,	2	13.7,	340.1,	204.2,	-71.0,	103.6,
3	13.7,	328.4,	248.8,	-111.9,	107.5,	4	13.7,	306.8,	285.7,	-149.5,	108.1,
5	13.7,	275.8,	314.0,	-182.5,	105.4,	6	13.7,	236.4,	332.7,	-210.0,	99.5,
7	13.7,	189.9,	341.3,	-231.1,	90.6,	8	0.0,	0.0,	0.0,	0.0,	0.0,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-267.3,	49.2,
11	13.7,	204.2,	340.1,	-273.7,	31.2,	12	13.7,	248.8,	328.4,	-271.7,	12.5,
13	13.7,	285.7,	306.8,	-261.5,	-6.6,	14	13.7,	314.0,	275.8,	-243.3,	-25.5,
15	13.7,	332.7,	236.4,	-217.7,	-43.6,	16	13.7,	341.3,	189.9,	-185.5,	-60.4,
17	13.7,	339.6,	138.4,	-148.5,	-75.4,	18	13.7,	333.6,	101.5,	-117.6,	-87.3,
19	13.7,	341.4,	154.2,	-126.3,	-96.6,	20	13.7,	340.1,	204.2,	-133.3,	-103.6,
21	13.7,	328.4,	248.8,	-136.8,	-107.5,	22	13.7,	306.8,	285.7,	-136.2,	-108.1,
23	13.7,	275.8,	314.0,	-131.5,	-105.4,	24	13.7,	236.4,	332.7,	-122.7,	-99.5,
25	13.7,	189.9,	341.3,	-110.2,	-90.6,	26	0.0,	0.0,	0.0,	0.0,	0.0,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-74.1,	-49.2,
29	13.7,	204.2,	340.1,	-66.4,	-31.2,	30	13.7,	248.8,	328.4,	-56.7,	-12.5,
31	13.7,	285.7,	306.8,	-45.3,	6.6,	32	13.7,	314.0,	275.8,	-32.5,	25.5,
33	13.7,	332.7,	236.4,	-18.7,	43.6,	34	13.7,	341.3,	189.9,	-4.3,	60.4,
35	13.7,	339.6,	138.4,	10.1,	75.4,	36	13.7,	333.6,	101.5,	16.1,	87.3,

\*\*\* AERMOD - VERSION 23132 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\15639  
 Spreckels\15639 Ops HRA\1 \*\*\*      09/20/24  
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\*\*\* MODELOPTs:      RegDFAULT    CONC    ELEV    URBAN    ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: TTP69

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-28.4,	99.6,	2	13.7,	340.1,	204.2,	-72.0,	106.5,
3	13.7,	328.4,	248.8,	-113.4,	110.1,	4	13.7,	306.8,	285.7,	-151.4,	110.4,
5	13.7,	275.8,	314.0,	-184.8,	107.4,	6	13.7,	236.4,	332.7,	-212.6,	101.0,
7	13.7,	189.9,	341.3,	-233.9,	91.6,	8	0.0,	0.0,	0.0,	0.0,	0.0,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-270.3,	48.7,
11	13.7,	204.2,	340.1,	-276.5,	30.1,	12	13.7,	248.8,	328.4,	-274.3,	10.9,
13	13.7,	285.7,	306.8,	-263.8,	-8.6,	14	13.7,	314.0,	275.8,	-245.2,	-27.8,
15	13.7,	332.7,	236.4,	-219.2,	-46.3,	16	13.7,	341.3,	189.9,	-186.6,	-63.3,

17	13.7,	339.6,	138.4,	-149.0,	-78.4,	18	13.7,	333.6,	101.5,	-117.6,	-90.3,
19	13.7,	341.4,	154.2,	-125.8,	-99.6,	20	13.7,	340.1,	204.2,	-132.3,	-106.5,
21	13.7,	328.4,	248.8,	-135.3,	-110.1,	22	13.7,	306.8,	285.7,	-134.3,	-110.4,
23	13.7,	275.8,	314.0,	-129.1,	-107.4,	24	13.7,	236.4,	332.7,	-120.1,	-101.0,
25	13.7,	189.9,	341.3,	-107.4,	-91.6,	26	0.0,	0.0,	0.0,	0.0,	0.0,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-71.1,	-48.7,
29	13.7,	204.2,	340.1,	-63.5,	-30.1,	30	13.7,	248.8,	328.4,	-54.1,	-10.9,
31	13.7,	285.7,	306.8,	-42.9,	8.6,	32	13.7,	314.0,	275.8,	-30.5,	27.8,
33	13.7,	332.7,	236.4,	-17.2,	46.3,	34	13.7,	341.3,	189.9,	-3.3,	63.3,
35	13.7,	339.6,	138.4,	10.7,	78.4,	36	13.7,	333.6,	101.5,	16.1,	90.3,

SOURCE ID: TTP70

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-29.2,	102.7,	2	13.7,	340.1,	204.2,	-73.3,	109.4,
3	13.7,	328.4,	248.8,	-115.2,	112.8,	4	13.7,	306.8,	285.7,	-153.7,	112.7,
5	13.7,	275.8,	314.0,	-187.4,	109.2,	6	13.7,	236.4,	332.7,	-215.5,	102.4,
7	13.7,	189.9,	341.3,	-237.0,	92.5,	8	0.0,	0.0,	0.0,	0.0,	0.0,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-273.4,	47.9,
11	13.7,	204.2,	340.1,	-279.4,	28.8,	12	13.7,	248.8,	328.4,	-277.0,	9.1,
13	13.7,	285.7,	306.8,	-266.1,	-10.8,	14	13.7,	314.0,	275.8,	-247.1,	-30.4,
15	13.7,	332.7,	236.4,	-220.6,	-49.1,	16	13.7,	341.3,	189.9,	-187.4,	-66.3,
17	13.7,	339.6,	138.4,	-149.3,	-81.5,	18	13.7,	333.6,	101.5,	-117.3,	-93.5,
19	13.7,	341.4,	154.2,	-125.0,	-102.7,	20	13.7,	340.1,	204.2,	-130.9,	-109.4,
21	13.7,	328.4,	248.8,	-133.5,	-112.8,	22	13.7,	306.8,	285.7,	-132.0,	-112.7,
23	13.7,	275.8,	314.0,	-126.5,	-109.2,	24	13.7,	236.4,	332.7,	-117.2,	-102.4,
25	13.7,	189.9,	341.3,	-104.3,	-92.5,	26	0.0,	0.0,	0.0,	0.0,	0.0,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-68.0,	-47.9,
29	13.7,	204.2,	340.1,	-60.6,	-28.8,	30	13.7,	248.8,	328.4,	-51.4,	-9.1,
31	13.7,	285.7,	306.8,	-40.7,	10.8,	32	13.7,	314.0,	275.8,	-28.7,	30.4,
33	13.7,	332.7,	236.4,	-15.8,	49.1,	34	13.7,	341.3,	189.9,	-2.5,	66.3,
35	13.7,	339.6,	138.4,	11.0,	81.5,	36	13.7,	333.6,	101.5,	15.9,	93.5,

SOURCE ID: TTP71

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-29.8,	105.7,	2	13.7,	340.1,	204.2,	-74.5,	112.2,
3	13.7,	328.4,	248.8,	-116.9,	115.3,	4	13.7,	306.8,	285.7,	-155.7,	115.0,
5	13.7,	275.8,	314.0,	-189.8,	111.1,	6	13.7,	236.4,	332.7,	-218.2,	103.8,
7	13.7,	189.9,	341.3,	-239.9,	93.4,	8	0.0,	0.0,	0.0,	0.0,	0.0,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-276.4,	47.3,
11	13.7,	204.2,	340.1,	-282.2,	27.7,	12	13.7,	248.8,	328.4,	-279.5,	7.5,
13	13.7,	285.7,	306.8,	-268.3,	-12.9,	14	13.7,	314.0,	275.8,	-249.0,	-32.8,
15	13.7,	332.7,	236.4,	-222.0,	-51.8,	16	13.7,	341.3,	189.9,	-188.4,	-69.2,
17	13.7,	339.6,	138.4,	-149.7,	-84.5,	18	13.7,	333.6,	101.5,	-117.2,	-96.6,
19	13.7,	341.4,	154.2,	-124.4,	-105.7,	20	13.7,	340.1,	204.2,	-129.8,	-112.2,
21	13.7,	328.4,	248.8,	-131.9,	-115.3,	22	13.7,	306.8,	285.7,	-130.0,	-115.0,
23	13.7,	275.8,	314.0,	-124.1,	-111.1,	24	13.7,	236.4,	332.7,	-114.5,	-103.8,
25	13.7,	189.9,	341.3,	-101.4,	-93.4,	26	0.0,	0.0,	0.0,	0.0,	0.0,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-65.0,	-47.3,
29	13.7,	204.2,	340.1,	-57.8,	-27.7,	30	13.7,	248.8,	328.4,	-48.9,	-7.5,
31	13.7,	285.7,	306.8,	-38.4,	12.9,	32	13.7,	314.0,	275.8,	-26.8,	32.8,
33	13.7,	332.7,	236.4,	-14.4,	51.8,	34	13.7,	341.3,	189.9,	-1.5,	69.2,
35	13.7,	339.6,	138.4,	11.4,	84.5,	36	13.7,	333.6,	101.5,	15.8,	96.6,

SOURCE ID: TTP72

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-30.2,	108.6,	2	13.7,	340.1,	204.2,	-75.3,	115.0,
3	13.7,	328.4,	248.8,	-118.2,	117.9,	4	13.7,	306.8,	285.7,	-157.5,	117.3,
5	13.7,	275.8,	314.0,	-192.0,	113.0,	6	13.7,	236.4,	332.7,	-220.7,	105.4,
7	13.7,	189.9,	341.3,	-242.6,	94.5,	8	0.0,	0.0,	0.0,	0.0,	0.0,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-279.3,	46.9,
11	13.7,	204.2,	340.1,	-285.0,	26.8,	12	13.7,	248.8,	328.4,	-282.1,	6.2,
13	13.7,	285.7,	306.8,	-270.6,	-14.7,	14	13.7,	314.0,	275.8,	-250.9,	-35.0,
15	13.7,	332.7,	236.4,	-223.6,	-54.3,	16	13.7,	341.3,	189.9,	-189.5,	-72.0,

17	13.7,	339.6,	138.4,	-150.4,	-87.4,	18	13.7,	333.6,	101.5,	-117.3,	-99.5,
19	13.7,	341.4,	154.2,	-124.0,	-108.6,	20	13.7,	340.1,	204.2,	-128.9,	-115.0,
21	13.7,	328.4,	248.8,	-130.5,	-117.9,	22	13.7,	306.8,	285.7,	-128.2,	-117.3,
23	13.7,	275.8,	314.0,	-122.0,	-113.0,	24	13.7,	236.4,	332.7,	-112.0,	-105.4,
25	13.7,	189.9,	341.3,	-98.7,	-94.5,	26	0.0,	0.0,	0.0,	0.0,	0.0,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-62.1,	-46.9,
29	13.7,	204.2,	340.1,	-55.0,	-26.8,	30	13.7,	248.8,	328.4,	-46.3,	-6.2,
31	13.7,	285.7,	306.8,	-36.1,	14.7,	32	13.7,	314.0,	275.8,	-24.8,	35.0,
33	13.7,	332.7,	236.4,	-12.8,	54.3,	34	13.7,	341.3,	189.9,	-0.4,	72.0,
35	13.7,	339.6,	138.4,	12.0,	87.4,	36	13.7,	333.6,	101.5,	15.9,	99.5,

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: TTP73

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-30.9,	111.7,	2	13.7,	340.1,	204.2,	-76.5,	117.9,
3	13.7,	328.4,	248.8,	-119.9,	120.6,	4	13.7,	306.8,	285.7,	-159.6,	119.6,
5	13.7,	275.8,	314.0,	-194.5,	115.0,	6	13.7,	236.4,	332.7,	-223.5,	106.9,
7	13.7,	189.9,	341.3,	-245.6,	95.5,	8	0.0,	0.0,	0.0,	0.0,	0.0,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-282.4,	46.2,
11	13.7,	204.2,	340.1,	-288.0,	25.6,	12	13.7,	248.8,	328.4,	-284.8,	4.5,
13	13.7,	285.7,	306.8,	-273.0,	-16.8,	14	13.7,	314.0,	275.8,	-252.9,	-37.5,
15	13.7,	332.7,	236.4,	-225.1,	-57.1,	16	13.7,	341.3,	189.9,	-190.4,	-75.0,
17	13.7,	339.6,	138.4,	-150.8,	-90.5,	18	13.7,	333.6,	101.5,	-117.2,	-102.6,
19	13.7,	341.4,	154.2,	-123.3,	-111.7,	20	13.7,	340.1,	204.2,	-127.7,	-117.9,
21	13.7,	328.4,	248.8,	-128.9,	-120.6,	22	13.7,	306.8,	285.7,	-126.1,	-119.6,
23	13.7,	275.8,	314.0,	-119.5,	-115.0,	24	13.7,	236.4,	332.7,	-109.2,	-106.9,
25	13.7,	189.9,	341.3,	-95.7,	-95.5,	26	0.0,	0.0,	0.0,	0.0,	0.0,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-59.0,	-46.2,
29	13.7,	204.2,	340.1,	-52.1,	-25.6,	30	13.7,	248.8,	328.4,	-43.6,	-4.5,
31	13.7,	285.7,	306.8,	-33.8,	16.8,	32	13.7,	314.0,	275.8,	-22.9,	37.5,
33	13.7,	332.7,	236.4,	-11.4,	57.1,	34	13.7,	341.3,	189.9,	0.6,	75.0,
35	13.7,	339.6,	138.4,	12.4,	90.5,	36	13.7,	333.6,	101.5,	15.8,	102.6,

SOURCE ID: TTP74

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-31.5,	114.5,	2	13.7,	340.1,	204.2,	-77.7,	120.6,
3	13.7,	328.4,	248.8,	-121.5,	123.1,	4	13.7,	306.8,	285.7,	-161.6,	121.8,
5	13.7,	275.8,	314.0,	-196.8,	116.8,	6	13.7,	236.4,	332.7,	-226.1,	108.2,
7	13.7,	189.9,	341.3,	-248.4,	96.4,	8	0.0,	0.0,	0.0,	0.0,	0.0,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-285.2,	45.6,
11	13.7,	204.2,	340.1,	-290.7,	24.5,	12	13.7,	248.8,	328.4,	-287.3,	2.9,
13	13.7,	285.7,	306.8,	-275.2,	-18.8,	14	13.7,	314.0,	275.8,	-254.7,	-39.8,
15	13.7,	332.7,	236.4,	-226.4,	-59.7,	16	13.7,	341.3,	189.9,	-191.3,	-77.8,
17	13.7,	339.6,	138.4,	-151.2,	-93.5,	18	13.7,	333.6,	101.5,	-117.1,	-105.6,
19	13.7,	341.4,	154.2,	-122.7,	-114.5,	20	13.7,	340.1,	204.2,	-126.6,	-120.6,
21	13.7,	328.4,	248.8,	-127.3,	-123.1,	22	13.7,	306.8,	285.7,	-124.1,	-121.8,
23	13.7,	275.8,	314.0,	-117.2,	-116.8,	24	13.7,	236.4,	332.7,	-106.6,	-108.2,
25	13.7,	189.9,	341.3,	-92.9,	-96.4,	26	0.0,	0.0,	0.0,	0.0,	0.0,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-56.2,	-45.6,
29	13.7,	204.2,	340.1,	-49.4,	-24.5,	30	13.7,	248.8,	328.4,	-41.1,	-2.9,
31	13.7,	285.7,	306.8,	-31.6,	18.8,	32	13.7,	314.0,	275.8,	-21.1,	39.8,
33	13.7,	332.7,	236.4,	-10.0,	59.7,	34	13.7,	341.3,	189.9,	1.4,	77.8,
35	13.7,	339.6,	138.4,	12.8,	93.5,	36	13.7,	333.6,	101.5,	15.7,	105.6,

SOURCE ID: TTP75

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-32.0,	117.5,	2	13.7,	340.1,	204.2,	-78.7,	123.5,
3	13.7,	328.4,	248.8,	-123.0,	125.7,	4	13.7,	306.8,	285.7,	-163.6,	124.1,
5	13.7,	275.8,	314.0,	-199.1,	118.7,	6	13.7,	236.4,	332.7,	-228.7,	109.7,
7	13.7,	189.9,	341.3,	-251.3,	97.4,	8	0.0,	0.0,	0.0,	0.0,	0.0,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-288.2,	45.1,
11	13.7,	204.2,	340.1,	-293.5,	23.4,	12	13.7,	248.8,	328.4,	-289.9,	1.4,
13	13.7,	285.7,	306.8,	-277.5,	-20.7,	14	13.7,	314.0,	275.8,	-256.6,	-42.2,
15	13.7,	332.7,	236.4,	-228.0,	-62.3,	16	13.7,	341.3,	189.9,	-192.4,	-80.6,
17	13.7,	339.6,	138.4,	-151.7,	-96.4,	18	13.7,	333.6,	101.5,	-117.1,	-108.6,
19	13.7,	341.4,	154.2,	-122.1,	-117.5,	20	13.7,	340.1,	204.2,	-125.5,	-123.5,
21	13.7,	328.4,	248.8,	-125.8,	-125.7,	22	13.7,	306.8,	285.7,	-122.1,	-124.1,
23	13.7,	275.8,	314.0,	-114.8,	-118.7,	24	13.7,	236.4,	332.7,	-104.0,	-109.7,
25	13.7,	189.9,	341.3,	-90.0,	-97.4,	26	0.0,	0.0,	0.0,	0.0,	0.0,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-53.2,	-45.1,
29	13.7,	204.2,	340.1,	-46.5,	-23.4,	30	13.7,	248.8,	328.4,	-38.5,	-1.4,
31	13.7,	285.7,	306.8,	-29.3,	20.7,	32	13.7,	314.0,	275.8,	-19.2,	42.2,
33	13.7,	332.7,	236.4,	-8.5,	62.3,	34	13.7,	341.3,	189.9,	2.5,	80.6,
35	13.7,	339.6,	138.4,	13.4,	96.4,	36	13.7,	333.6,	101.5,	15.7,	108.6,

SOURCE ID: TTP76

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-32.8,	120.6,	2	13.7,	340.1,	204.2,	-80.0,	126.4,
3	13.7,	328.4,	248.8,	-124.8,	128.3,	4	13.7,	306.8,	285.7,	-165.8,	126.4,
5	13.7,	275.8,	314.0,	-201.7,	120.6,	6	13.7,	236.4,	332.7,	-231.5,	111.1,
7	13.7,	189.9,	341.3,	-254.3,	98.3,	8	0.0,	0.0,	0.0,	0.0,	0.0,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-291.3,	44.3,
11	13.7,	204.2,	340.1,	-296.4,	22.1,	12	13.7,	248.8,	328.4,	-292.5,	-0.4,
13	13.7,	285.7,	306.8,	-279.8,	-22.9,	14	13.7,	314.0,	275.8,	-258.5,	-44.7,
15	13.7,	332.7,	236.4,	-229.3,	-65.2,	16	13.7,	341.3,	189.9,	-193.2,	-83.7,
17	13.7,	339.6,	138.4,	-152.0,	-99.6,	18	13.7,	333.6,	101.5,	-116.9,	-111.8,
19	13.7,	341.4,	154.2,	-121.4,	-120.6,	20	13.7,	340.1,	204.2,	-124.2,	-126.4,
21	13.7,	328.4,	248.8,	-124.0,	-128.3,	22	13.7,	306.8,	285.7,	-119.9,	-126.4,
23	13.7,	275.8,	314.0,	-112.2,	-120.6,	24	13.7,	236.4,	332.7,	-101.1,	-111.1,
25	13.7,	189.9,	341.3,	-87.0,	-98.3,	26	0.0,	0.0,	0.0,	0.0,	0.0,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-50.1,	-44.3,
29	13.7,	204.2,	340.1,	-43.6,	-22.1,	30	13.7,	248.8,	328.4,	-35.9,	0.4,
31	13.7,	285.7,	306.8,	-27.0,	22.9,	32	13.7,	314.0,	275.8,	-17.3,	44.7,
33	13.7,	332.7,	236.4,	-7.1,	65.2,	34	13.7,	341.3,	189.9,	3.3,	83.7,
35	13.7,	339.6,	138.4,	13.7,	99.6,	36	13.7,	333.6,	101.5,	15.4,	111.8,

\*\*\* AERMOD - VERSION 23132 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAS\15639  
 Spreckels\15639 Ops HRA\1 \*\*\* 09/20/24

\*\*\* AERMET - VERSION 21112 \*\*\*  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: TTP77

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-33.4,	123.6,	2	13.7,	340.1,	204.2,	-81.2,	129.2,
3	13.7,	328.4,	248.8,	-126.4,	130.9,	4	13.7,	306.8,	285.7,	-167.8,	128.6,
5	13.7,	275.8,	314.0,	-204.1,	122.4,	6	13.7,	236.4,	332.7,	-234.2,	112.5,
7	13.7,	189.9,	341.3,	-257.2,	99.2,	8	0.0,	0.0,	0.0,	0.0,	0.0,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-294.3,	43.6,
11	13.7,	204.2,	340.1,	-299.2,	21.0,	12	13.7,	248.8,	328.4,	-295.1,	-2.0,
13	13.7,	285.7,	306.8,	-282.0,	-25.0,	14	13.7,	314.0,	275.8,	-260.3,	-47.1,
15	13.7,	332.7,	236.4,	-230.7,	-67.9,	16	13.7,	341.3,	189.9,	-194.2,	-86.6,
17	13.7,	339.6,	138.4,	-152.4,	-102.6,	18	13.7,	333.6,	101.5,	-116.7,	-114.8,
19	13.7,	341.4,	154.2,	-120.7,	-123.6,	20	13.7,	340.1,	204.2,	-123.1,	-129.2,

21	13.7,	328.4,	248.8,	-122.3,	-130.9,	22	13.7,	306.8,	285.7,	-117.9,	-128.6,
23	13.7,	275.8,	314.0,	-109.8,	-122.4,	24	13.7,	236.4,	332.7,	-98.5,	-112.5,
25	13.7,	189.9,	341.3,	-84.1,	-99.2,	26	0.0,	0.0,	0.0,	0.0,	0.0,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-47.1,	-43.6,
29	13.7,	204.2,	340.1,	-40.8,	-21.0,	30	13.7,	248.8,	328.4,	-33.3,	2.0,
31	13.7,	285.7,	306.8,	-24.7,	25.0,	32	13.7,	314.0,	275.8,	-15.5,	47.1,
33	13.7,	332.7,	236.4,	-5.7,	67.9,	34	13.7,	341.3,	189.9,	4.2,	86.6,
35	13.7,	339.6,	138.4,	14.1,	102.6,	36	13.7,	333.6,	101.5,	15.3,	114.8,

SOURCE ID: TTP78

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-33.8,	126.5,	2	13.7,	340.1,	204.2,	-82.0,	132.0,
3	13.7,	328.4,	248.8,	-127.8,	133.5,	4	13.7,	306.8,	285.7,	-169.6,	131.0,
5	13.7,	275.8,	314.0,	-206.3,	124.4,	6	13.7,	236.4,	332.7,	-236.7,	114.1,
7	13.7,	189.9,	341.3,	-259.9,	100.3,	8	0.0,	0.0,	0.0,	0.0,	0.0,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-297.2,	43.2,
11	13.7,	204.2,	340.1,	-302.0,	20.1,	12	13.7,	248.8,	328.4,	-297.7,	-3.4,
13	13.7,	285.7,	306.8,	-284.3,	-26.8,	14	13.7,	314.0,	275.8,	-262.3,	-49.3,
15	13.7,	332.7,	236.4,	-232.3,	-70.4,	16	13.7,	341.3,	189.9,	-195.3,	-89.3,
17	13.7,	339.6,	138.4,	-153.1,	-105.5,	18	13.7,	333.6,	101.5,	-116.9,	-117.8,
19	13.7,	341.4,	154.2,	-120.3,	-126.5,	20	13.7,	340.1,	204.2,	-122.2,	-132.0,
21	13.7,	328.4,	248.8,	-121.0,	-133.5,	22	13.7,	306.8,	285.7,	-116.1,	-131.0,
23	13.7,	275.8,	314.0,	-107.7,	-124.4,	24	13.7,	236.4,	332.7,	-96.0,	-114.1,
25	13.7,	189.9,	341.3,	-81.4,	-100.3,	26	0.0,	0.0,	0.0,	0.0,	0.0,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-44.2,	-43.2,
29	13.7,	204.2,	340.1,	-38.0,	-20.1,	30	13.7,	248.8,	328.4,	-30.7,	3.4,
31	13.7,	285.7,	306.8,	-22.4,	26.8,	32	13.7,	314.0,	275.8,	-13.5,	49.3,
33	13.7,	332.7,	236.4,	-4.1,	70.4,	34	13.7,	341.3,	189.9,	5.4,	89.3,
35	13.7,	339.6,	138.4,	14.7,	105.5,	36	13.7,	333.6,	101.5,	15.4,	117.8,

SOURCE ID: TTP79

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-34.4,	129.2,	2	13.7,	340.1,	204.2,	-83.1,	134.6,
3	13.7,	328.4,	248.8,	-129.3,	135.9,	4	13.7,	306.8,	285.7,	-171.5,	133.0,
5	13.7,	275.8,	314.0,	-208.5,	126.1,	6	13.7,	236.4,	332.7,	-239.2,	115.4,
7	13.7,	189.9,	341.3,	-262.6,	101.2,	8	0.0,	0.0,	0.0,	0.0,	0.0,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-299.9,	42.6,
11	13.7,	204.2,	340.1,	-304.6,	19.0,	12	13.7,	248.8,	328.4,	-300.1,	-4.9,
13	13.7,	285.7,	306.8,	-286.4,	-28.7,	14	13.7,	314.0,	275.8,	-264.0,	-51.5,
15	13.7,	332.7,	236.4,	-233.6,	-72.8,	16	13.7,	341.3,	189.9,	-196.1,	-92.0,
17	13.7,	339.6,	138.4,	-153.4,	-108.3,	18	13.7,	333.6,	101.5,	-116.7,	-120.5,
19	13.7,	341.4,	154.2,	-119.7,	-129.2,	20	13.7,	340.1,	204.2,	-121.1,	-134.6,
21	13.7,	328.4,	248.8,	-119.5,	-135.9,	22	13.7,	306.8,	285.7,	-114.2,	-133.0,
23	13.7,	275.8,	314.0,	-105.5,	-126.1,	24	13.7,	236.4,	332.7,	-93.5,	-115.4,
25	13.7,	189.9,	341.3,	-78.7,	-101.2,	26	0.0,	0.0,	0.0,	0.0,	0.0,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-41.5,	-42.6,
29	13.7,	204.2,	340.1,	-35.4,	-19.0,	30	13.7,	248.8,	328.4,	-28.3,	4.9,
31	13.7,	285.7,	306.8,	-20.4,	28.7,	32	13.7,	314.0,	275.8,	-11.8,	51.5,
33	13.7,	332.7,	236.4,	-2.8,	72.8,	34	13.7,	341.3,	189.9,	6.2,	92.0,
35	13.7,	339.6,	138.4,	15.1,	108.3,	36	13.7,	333.6,	101.5,	15.3,	120.5,

SOURCE ID: TTP80

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-35.1,	132.1,	2	13.7,	340.1,	204.2,	-84.2,	137.3,
3	13.7,	328.4,	248.8,	-130.9,	138.3,	4	13.7,	306.8,	285.7,	-173.5,	135.2,
5	13.7,	275.8,	314.0,	-210.8,	127.9,	6	13.7,	236.4,	332.7,	-241.8,	116.8,
7	0.0,	0.0,	0.0,	0.0,	0.0,	8	0.0,	0.0,	0.0,	0.0,	0.0,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-302.8,	42.0,
11	13.7,	204.2,	340.1,	-307.3,	17.9,	12	13.7,	248.8,	328.4,	-302.5,	-6.5,
13	13.7,	285.7,	306.8,	-288.6,	-30.6,	14	13.7,	314.0,	275.8,	-265.8,	-53.8,
15	13.7,	332.7,	236.4,	-235.0,	-75.4,	16	13.7,	341.3,	189.9,	-197.0,	-94.7,
17	13.7,	339.6,	138.4,	-153.8,	-111.2,	18	13.7,	333.6,	101.5,	-116.6,	-123.5,
19	13.7,	341.4,	154.2,	-119.1,	-132.1,	20	13.7,	340.1,	204.2,	-120.0,	-137.3,

21	13.7,	328.4,	248.8,	-117.9,	-138.3,	22	13.7,	306.8,	285.7,	-112.2,	-135.2,
23	13.7,	275.8,	314.0,	-103.1,	-127.9,	24	13.7,	236.4,	332.7,	-90.9,	-116.8,
25	0.0,	0.0,	0.0,	0.0,	0.0,	26	0.0,	0.0,	0.0,	0.0,	0.0,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-38.6,	-42.0,
29	13.7,	204.2,	340.1,	-32.7,	-17.9,	30	13.7,	248.8,	328.4,	-25.9,	6.5,
31	13.7,	285.7,	306.8,	-18.2,	30.6,	32	13.7,	314.0,	275.8,	-10.0,	53.8,
33	13.7,	332.7,	236.4,	-1.5,	75.4,	34	13.7,	341.3,	189.9,	7.1,	94.7,
35	13.7,	339.6,	138.4,	15.4,	111.2,	36	13.7,	333.6,	101.5,	15.2,	123.5,

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: TTP81

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-35.6,	135.1,	2	13.7,	340.1,	204.2,	-85.3,	140.2,
3	13.7,	328.4,	248.8,	-132.4,	141.0,	4	13.7,	306.8,	285.7,	-175.4,	137.5,
5	13.7,	275.8,	314.0,	-213.2,	129.9,	6	13.7,	236.4,	332.7,	-244.4,	118.3,
7	0.0,	0.0,	0.0,	0.0,	0.0,	8	0.0,	0.0,	0.0,	0.0,	0.0,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-305.8,	41.5,
11	13.7,	204.2,	340.1,	-310.2,	16.9,	12	13.7,	248.8,	328.4,	-305.2,	-8.0,
13	13.7,	285.7,	306.8,	-290.9,	-32.6,	14	13.7,	314.0,	275.8,	-267.8,	-56.2,
15	13.7,	332.7,	236.4,	-236.5,	-78.1,	16	13.7,	341.3,	189.9,	-198.0,	-97.6,
17	13.7,	339.6,	138.4,	-154.3,	-114.2,	18	13.7,	333.6,	101.5,	-116.6,	-126.5,
19	13.7,	341.4,	154.2,	-118.5,	-135.1,	20	13.7,	340.1,	204.2,	-119.0,	-140.2,
21	13.7,	328.4,	248.8,	-116.4,	-141.0,	22	13.7,	306.8,	285.7,	-110.3,	-137.5,
23	13.7,	275.8,	314.0,	-100.8,	-129.9,	24	13.7,	236.4,	332.7,	-88.3,	-118.3,
25	0.0,	0.0,	0.0,	0.0,	0.0,	26	0.0,	0.0,	0.0,	0.0,	0.0,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-35.6,	-41.5,
29	13.7,	204.2,	340.1,	-29.9,	-16.9,	30	13.7,	248.8,	328.4,	-23.2,	8.0,
31	13.7,	285.7,	306.8,	-15.9,	32.6,	32	13.7,	314.0,	275.8,	-8.0,	56.2,
33	13.7,	332.7,	236.4,	0.1,	78.1,	34	13.7,	341.3,	189.9,	8.1,	97.6,
35	13.7,	339.6,	138.4,	16.0,	114.2,	36	13.7,	333.6,	101.5,	15.2,	126.5,

SOURCE ID: TTP82

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-36.4,	138.2,	2	13.7,	340.1,	204.2,	-86.6,	143.1,
3	13.7,	328.4,	248.8,	-134.2,	143.6,	4	13.7,	306.8,	285.7,	-177.7,	139.8,
5	13.7,	275.8,	314.0,	-215.8,	131.7,	6	13.7,	236.4,	332.7,	-247.3,	119.6,
7	0.0,	0.0,	0.0,	0.0,	0.0,	8	0.0,	0.0,	0.0,	0.0,	0.0,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-308.9,	40.7,
11	13.7,	204.2,	340.1,	-313.1,	15.5,	12	13.7,	248.8,	328.4,	-307.8,	-9.8,
13	13.7,	285.7,	306.8,	-293.2,	-34.8,	14	13.7,	314.0,	275.8,	-269.6,	-58.8,
15	13.7,	332.7,	236.4,	-237.9,	-80.9,	16	13.7,	341.3,	189.9,	-198.9,	-100.7,
17	13.7,	339.6,	138.4,	-154.6,	-117.3,	18	13.7,	333.6,	101.5,	-116.4,	-129.7,
19	13.7,	341.4,	154.2,	-117.8,	-138.2,	20	13.7,	340.1,	204.2,	-117.7,	-143.1,
21	13.7,	328.4,	248.8,	-114.6,	-143.6,	22	13.7,	306.8,	285.7,	-108.0,	-139.8,
23	13.7,	275.8,	314.0,	-98.2,	-131.7,	24	13.7,	236.4,	332.7,	-85.4,	-119.6,
25	0.0,	0.0,	0.0,	0.0,	0.0,	26	0.0,	0.0,	0.0,	0.0,	0.0,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-32.5,	-40.7,
29	13.7,	204.2,	340.1,	-27.0,	-15.5,	30	13.7,	248.8,	328.4,	-20.6,	9.8,
31	13.7,	285.7,	306.8,	-13.6,	34.8,	32	13.7,	314.0,	275.8,	-6.2,	58.8,
33	13.7,	332.7,	236.4,	1.4,	80.9,	34	13.7,	341.3,	189.9,	9.0,	100.7,
35	13.7,	339.6,	138.4,	16.3,	117.3,	36	13.7,	333.6,	101.5,	14.9,	129.7,

SOURCE ID: TTP83

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
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1	13.7,	341.4,	154.2,	-37.0,	141.1,	2	13.7,	340.1,	204.2,	-87.7,	145.9,
3	13.7,	328.4,	248.8,	-135.8,	146.2,	4	13.7,	306.8,	285.7,	-179.7,	142.0,
5	13.7,	275.8,	314.0,	-218.2,	133.6,	6	13.7,	236.4,	332.7,	-250.0,	121.1,
7	0.0,	0.0,	0.0,	0.0,	0.0,	8	0.0,	0.0,	0.0,	0.0,	0.0,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-311.8,	40.0,
11	13.7,	204.2,	340.1,	-315.9,	14.4,	12	13.7,	248.8,	328.4,	-310.4,	-11.4,
13	13.7,	285.7,	306.8,	-295.4,	-36.8,	14	13.7,	314.0,	275.8,	-271.5,	-61.2,
15	13.7,	332.7,	236.4,	-239.3,	-83.6,	16	13.7,	341.3,	189.9,	-199.8,	-103.6,
17	13.7,	339.6,	138.4,	-155.1,	-120.3,	18	13.7,	333.6,	101.5,	-116.2,	-132.7,
19	13.7,	341.4,	154.2,	-117.1,	-141.1,	20	13.7,	340.1,	204.2,	-116.5,	-145.9,
21	13.7,	328.4,	248.8,	-113.0,	-146.2,	22	13.7,	306.8,	285.7,	-106.0,	-142.0,
23	13.7,	275.8,	314.0,	-95.8,	-133.6,	24	13.7,	236.4,	332.7,	-82.7,	-121.1,
25	0.0,	0.0,	0.0,	0.0,	0.0,	26	0.0,	0.0,	0.0,	0.0,	0.0,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-29.6,	-40.0,
29	13.7,	204.2,	340.1,	-24.2,	-14.4,	30	13.7,	248.8,	328.4,	-18.0,	11.4,
31	13.7,	285.7,	306.8,	-11.3,	36.8,	32	13.7,	314.0,	275.8,	-4.3,	61.2,
33	13.7,	332.7,	236.4,	2.8,	83.6,	34	13.7,	341.3,	189.9,	9.9,	103.6,
35	13.7,	339.6,	138.4,	16.7,	120.3,	36	13.7,	333.6,	101.5,	14.8,	132.7,

SOURCE ID: STCK1

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-118.5,	158.8,	2	13.7,	340.1,	204.2,	-171.0,	149.1,
3	13.7,	328.4,	248.8,	-218.4,	134.9,	4	13.7,	306.8,	285.7,	-259.1,	116.6,
5	13.7,	275.8,	314.0,	-291.9,	94.7,	6	13.7,	236.4,	332.7,	-315.9,	70.0,
7	13.7,	189.9,	341.3,	-330.2,	43.1,	8	13.7,	138.4,	339.6,	-334.5,	15.3,
9	13.7,	101.5,	333.6,	-331.0,	-11.7,	10	13.7,	154.2,	341.4,	-329.5,	-41.4,
11	13.7,	204.2,	340.1,	-319.1,	-68.9,	12	13.7,	248.8,	328.4,	-299.1,	-94.0,
13	13.7,	285.7,	306.8,	-269.9,	-116.2,	14	13.7,	314.0,	275.8,	-232.6,	-134.9,
15	13.7,	332.7,	236.4,	-188.2,	-149.5,	16	13.7,	341.3,	189.9,	-138.1,	-159.6,
17	13.7,	339.6,	138.4,	-84.5,	-164.8,	18	13.7,	333.6,	101.5,	-39.1,	-164.2,
19	13.7,	341.4,	154.2,	-35.6,	-158.8,	20	13.7,	340.1,	204.2,	-33.2,	-149.1,
21	13.7,	328.4,	248.8,	-30.4,	-134.9,	22	13.7,	306.8,	285.7,	-26.6,	-116.6,
23	13.7,	275.8,	314.0,	-22.1,	-94.7,	24	13.7,	236.4,	332.7,	-16.9,	-70.0,
25	13.7,	189.9,	341.3,	-11.1,	-43.1,	26	13.7,	138.4,	339.6,	-5.0,	-15.3,
27	13.7,	101.5,	333.6,	-2.6,	11.7,	28	13.7,	154.2,	341.4,	-11.9,	41.4,
29	13.7,	204.2,	340.1,	-21.0,	68.9,	30	13.7,	248.8,	328.4,	-29.3,	94.0,
31	13.7,	285.7,	306.8,	-36.8,	116.2,	32	13.7,	314.0,	275.8,	-43.2,	134.9,
33	13.7,	332.7,	236.4,	-48.2,	149.5,	34	13.7,	341.3,	189.9,	-51.8,	159.6,
35	13.7,	339.6,	138.4,	-53.8,	164.8,	36	13.7,	333.6,	101.5,	-62.4,	164.2,

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: STCK2

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-108.6,	160.9,	2	13.7,	340.1,	204.2,	-161.6,	152.9,
3	13.7,	328.4,	248.8,	-209.8,	140.3,	4	13.7,	306.8,	285.7,	-251.6,	123.4,
5	13.7,	275.8,	314.0,	-285.7,	102.7,	6	13.7,	236.4,	332.7,	-311.1,	79.0,
7	13.7,	189.9,	341.3,	-327.1,	52.8,	8	13.7,	138.4,	339.6,	-333.2,	25.4,
9	13.7,	101.5,	333.6,	-331.4,	-1.5,	10	13.7,	154.2,	341.4,	-331.6,	-31.5,
11	13.7,	204.2,	340.1,	-323.0,	-59.5,	12	13.7,	248.8,	328.4,	-304.5,	-85.4,
13	13.7,	285.7,	306.8,	-276.8,	-108.7,	14	13.7,	314.0,	275.8,	-240.6,	-128.7,
15	13.7,	332.7,	236.4,	-197.2,	-144.8,	16	13.7,	341.3,	189.9,	-147.7,	-156.5,
17	13.7,	339.6,	138.4,	-94.6,	-163.4,	18	13.7,	333.6,	101.5,	-49.2,	-164.6,
19	13.7,	341.4,	154.2,	-45.6,	-160.9,	20	13.7,	340.1,	204.2,	-42.6,	-152.9,
21	13.7,	328.4,	248.8,	-39.0,	-140.3,	22	13.7,	306.8,	285.7,	-34.1,	-123.4,
23	13.7,	275.8,	314.0,	-28.3,	-102.7,	24	13.7,	236.4,	332.7,	-21.6,	-79.0,

25	13.7,	189.9,	341.3,	-14.2,	-52.8,	26	13.7,	138.4,	339.6,	-6.4,	-25.4,
27	13.7,	101.5,	333.6,	-2.2,	1.5,	28	13.7,	154.2,	341.4,	-9.8,	31.5,
29	13.7,	204.2,	340.1,	-17.1,	59.5,	30	13.7,	248.8,	328.4,	-23.9,	85.4,
31	13.7,	285.7,	306.8,	-30.0,	108.7,	32	13.7,	314.0,	275.8,	-35.1,	128.7,
33	13.7,	332.7,	236.4,	-39.2,	144.8,	34	13.7,	341.3,	189.9,	-42.1,	156.5,
35	13.7,	339.6,	138.4,	-43.8,	163.4,	36	13.7,	333.6,	101.5,	-52.2,	164.6,

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) \*

SOURCE ID = STCK1 ; SOURCE TYPE = POINT :

SCALAR	SCALAR	SCALAR	SCALAR	SCALAR	SCALAR	SCALAR	SCALAR	SCALAR	SCALAR	SCALAR
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DAY OF WEEK = MONDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6
	.0000E+00	7	.0000E+00	8	.0000E+00					
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14
	.0000E+00	15	.0000E+00	16	.0000E+00					
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22
	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = TUESDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6
	.0000E+00	7	.0000E+00	8	.0000E+00					
9	.0000E+00	10	.1000E+01	11	.0000E+00	12	.0000E+00	13	.0000E+00	14
	.0000E+00	15	.0000E+00	16	.0000E+00					
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22
	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = WEDNESDY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6
	.0000E+00	7	.0000E+00	8	.0000E+00					
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14
	.0000E+00	15	.0000E+00	16	.0000E+00					
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22
	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = THURSDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6
	.0000E+00	7	.0000E+00	8	.0000E+00					
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14
	.0000E+00	15	.0000E+00	16	.0000E+00					
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22
	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = FRIDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6
	.0000E+00	7	.0000E+00	8	.0000E+00					
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14
	.0000E+00	15	.0000E+00	16	.0000E+00					
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22
	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6
	.0000E+00	7	.0000E+00	8	.0000E+00					
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14
	.0000E+00	15	.0000E+00	16	.0000E+00					
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22
	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

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1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00  6
.0000E+00  7 .0000E+00  8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) \*

SOURCE ID = STCK2 ; SOURCE TYPE = POINT :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = MONDAY

```

1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00  6
.0000E+00  7 .0000E+00  8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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DAY OF WEEK = TUESDAY

```

1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00  6
.0000E+00  7 .0000E+00  8 .0000E+00
9 .0000E+00 10 .1000E+01 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

```

DAY OF WEEK = WEDNESDY

```

1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00  6
.0000E+00  7 .0000E+00  8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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DAY OF WEEK = THURSDAY

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1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00  6
.0000E+00  7 .0000E+00  8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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DAY OF WEEK = FRIDAY

```

1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00  6
.0000E+00  7 .0000E+00  8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

```

DAY OF WEEK = SATURDAY

```

1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00  6
.0000E+00  7 .0000E+00  8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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DAY OF WEEK = SUNDAY

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1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00  6

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.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

\*\*\* AERMOD - VERSION 23132 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\15639  
Spreckels\15639 Ops HRA\1 \*\*\* 09/20/24  
\*\*\* AERMET - VERSION 21112 \*\*\*  
\*\*\*

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* DISCRETE CARTESIAN RECEPTORS \*\*\*  
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)  
(METERS)

( 658334.4, 4184219.3, 12.7, 12.7, 0.0); ( 658333.0,  
4184239.1, 12.8, 12.8, 0.0);  
( 658332.8, 4184256.8, 12.8, 12.8, 0.0); ( 658331.1,  
4184275.4, 12.8, 12.8, 0.0);  
( 658330.6, 4184293.6, 12.8, 12.8, 0.0); ( 658330.1,  
4184311.5, 12.9, 12.9, 0.0);  
( 658329.1, 4184328.9, 13.0, 13.0, 0.0); ( 658328.8,  
4184346.9, 13.0, 13.0, 0.0);  
( 658327.3, 4184364.9, 13.0, 13.0, 0.0); ( 658326.6,  
4184384.6, 13.1, 13.1, 0.0);  
( 658325.7, 4184400.5, 13.1, 13.1, 0.0); ( 658351.9,  
4184356.4, 13.2, 13.2, 0.0);  
( 658411.4, 4184331.2, 13.1, 13.1, 0.0); ( 658460.9,  
4184332.6, 13.1, 13.1, 0.0);  
( 658489.4, 4184334.4, 13.0, 13.0, 0.0); ( 658538.9,  
4184336.4, 13.1, 13.1, 0.0);  
( 658634.0, 4184363.1, 13.2, 13.2, 0.0); ( 658575.2,  
4184376.2, 13.0, 13.0, 0.0);  
( 658792.3, 4184311.5, 13.5, 13.5, 0.0); ( 658328.2,  
4184428.2, 13.1, 13.1, 0.0);  
( 658324.6, 4184463.8, 12.7, 12.7, 0.0); ( 658340.1,  
4184463.9, 12.7, 12.7, 0.0);  
( 658356.9, 4184464.5, 12.7, 12.7, 0.0); ( 658372.2,  
4184464.6, 12.6, 12.6, 0.0);  
( 658385.9, 4184464.8, 12.6, 12.6, 0.0); ( 658404.0,  
4184465.2, 12.5, 12.5, 0.0);  
( 658420.2, 4184465.1, 12.5, 12.5, 0.0); ( 658435.7,  
4184466.4, 12.5, 12.5, 0.0);  
( 658336.3, 4184188.4, 12.6, 12.6, 0.0); ( 658338.8,  
4184167.0, 12.5, 12.5, 0.0);  
( 658339.5, 4184149.7, 12.5, 12.5, 0.0); ( 658338.6,  
4184131.8, 12.4, 12.4, 0.0);  
( 658339.6, 4184114.2, 12.3, 12.3, 0.0); ( 658339.5,  
4184096.9, 12.2, 12.2, 0.0);  
( 658528.9, 4184142.7, 13.2, 13.2, 0.0); ( 658610.0,  
4184144.3, 13.4, 13.4, 0.0);  
( 658681.5, 4184145.8, 13.3, 13.3, 0.0); ( 658822.7,  
4184110.0, 13.4, 13.4, 0.0);  
( 658341.0, 4184077.3, 12.2, 12.2, 0.0); ( 658342.2,  
4184057.4, 12.3, 12.3, 0.0);  
( 658342.5, 4184040.6, 12.3, 12.3, 0.0); ( 658343.4,  
4184024.3, 12.3, 12.3, 0.0);  
( 658344.0, 4184004.7, 12.3, 12.3, 0.0); ( 658345.0,  
4183986.3, 12.2, 12.2, 0.0);  
( 658345.5, 4183969.1, 12.2, 12.2, 0.0); ( 658347.1,  
4183948.8, 12.2, 12.2, 0.0);  
( 658348.1, 4183931.8, 12.2, 12.2, 0.0); ( 658348.7,  
4183912.7, 12.2, 12.2, 0.0);  
( 658349.4, 4183895.6, 12.2, 12.2, 0.0); ( 658350.3,

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4183876.2,      12.2,      12.2,      0.0);
( 658705.4, 4184490.6,      13.1,      13.1,      0.0); ( 658356.0,
4183814.1,      11.8,      11.8,      0.0);
( 658783.4, 4183908.0,      12.8,      12.8,      0.0); ( 658845.0,
4184011.4,      12.6,      12.6,      0.0);
( 657852.8, 4184359.5,      12.2,      12.2,      0.0); ( 658013.7,
4184464.2,      12.4,      12.4,      0.0);
( 658356.2, 4183852.6,      12.1,      12.1,      0.0); ( 658487.9,
4183854.8,      12.0,      12.0,      0.0);
( 658621.3, 4183854.8,      13.0,      13.0,      0.0); ( 659354.0,
4184491.9,      14.4,      14.4,      0.0);
( 658618.8, 4184754.2,      12.6,      12.6,      0.0); ( 658624.8,
4184647.1,      12.6,      12.6,      0.0);
( 658624.1, 4184601.0,      12.4,      12.4,      0.0); ( 658684.4,
4184796.5,      13.1,      13.1,      0.0);
( 658912.1, 4184704.8,      13.4,      13.4,      0.0); ( 659090.7,
4184904.7,      13.2,      13.2,      0.0);
( 658921.0, 4184927.9,      13.2,      13.2,      0.0); ( 658586.3,
4184908.5,      12.9,      12.9,      0.0);
( 658405.0, 4184892.0,      12.0,      12.0,      0.0); ( 658487.0,
4184919.0,      12.2,      12.2,      0.0);
( 658581.4, 4184983.0,      12.6,      12.6,      0.0); ( 658428.6,
4184853.4,      12.2,      12.2,      0.0);
( 658445.1, 4184517.5,      12.3,      12.3,      0.0); ( 658435.7,
4184690.5,      12.4,      12.4,      0.0);
( 659317.3, 4184800.8,      14.0,      19.4,      0.0); ( 659331.3,
4184657.3,      14.8,      14.8,      0.0);
( 658029.0, 4184541.7,      12.3,      12.3,      0.0); ( 657824.7,
4184529.3,      12.1,      12.1,      0.0);
( 658007.6, 4184688.0,      12.1,      12.1,      0.0); ( 657931.2,
4184677.0,      12.2,      12.2,      0.0);
( 658885.7, 4183203.9,      13.5,      13.5,      0.0); ( 658727.1,
4183244.6,      15.8,      23.0,      0.0);
( 658692.9, 4183227.8,      13.9,      23.0,      0.0); ( 658622.5,
4183228.8,      14.1,      22.3,      0.0);
( 658545.9, 4183228.4,      13.6,      21.5,      0.0); ( 658475.8,
4183222.9,      12.9,      20.7,      0.0);
( 658424.3, 4183214.8,      12.6,      12.6,      0.0); ( 658273.8,
4183234.2,      12.9,      12.9,      0.0);
( 658205.9, 4183233.7,      12.7,      12.7,      0.0); ( 658044.0,
4183240.9,      12.5,      12.5,      0.0);

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*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15639
Spreckels\15639 Ops HRA\1 *** 09/20/24

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*** AERMET - VERSION 21112 ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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( 660186.6, 4184250.1,      13.9,      13.9,      0.0); ( 660213.2,
4184424.9,      14.2,      14.2,      0.0);
( 660287.3, 4184509.3,      15.1,      15.1,      0.0); ( 660215.9,
4184164.6,      14.1,      14.1,      0.0);
( 658605.1, 4184843.0,      13.0,      13.0,      0.0); ( 658612.5,
4184909.5,      13.1,      13.1,      0.0);
( 658656.9, 4184906.0,      13.0,      13.0,      0.0); ( 658485.8,
4184891.5,      12.2,      12.2,      0.0);
( 658609.5, 4185069.9,      12.6,      12.6,      0.0); ( 658618.1,
4185023.1,      12.7,      12.7,      0.0);
( 658608.3, 4185108.0,      12.7,      12.7,      0.0); ( 658527.2,
4185095.9,      12.4,      12.4,      0.0);
( 658631.9, 4185217.2,      13.1,      13.1,      0.0); ( 658636.0,

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4185282.6,      13.2,      13.2,      0.0);
( 658560.3, 4183641.3,      12.7,      12.7,      0.0); ( 657679.0,
4184224.3,      11.7,      11.7,      0.0);
( 657815.1, 4184143.2,      11.4,      11.4,      0.0); ( 657534.9,
4184333.0,      11.9,      11.9,      0.0);
( 657495.4, 4184354.8,      11.9,      11.9,      0.0); ( 657529.8,
4184355.9,      11.9,      11.9,      0.0);
( 657370.0, 4184525.4,      11.7,      11.7,      0.0); ( 657339.8,
4184465.0,      11.7,      11.7,      0.0);
( 657013.1, 4184509.2,      11.5,      11.5,      0.0); ( 658389.0,
4183233.0,      13.0,      19.2,      0.0);
( 658823.5, 4183226.2,      13.5,      23.0,      0.0); ( 659051.4,
4183064.9,      14.1,      14.1,      0.0);
( 658877.9, 4184185.0,      13.6,      13.6,      0.0); ( 660167.8,
4183945.9,      14.1,      14.1,      0.0);
( 657486.7, 4184810.7,      12.5,      12.5,
0.0);

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*** AERMOD - VERSION 23132 ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15639
Spreckels\15639 Ops HRA\1 ***   09/20/24
*** AERMET - VERSION 21112 ***
***                                     ***   09:17:47

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\*\*\* MODELOPTs: RegDEFAULT 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)
L0000632	658428.6	4184853.4	-0.21

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*** AERMOD - VERSION 23132 ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15639
Spreckels\15639 Ops HRA\1 ***   09/20/24
*** AERMET - VERSION 21112 ***
***                                     ***   09:17:47

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* METEOROLOGICAL DAYS SELECTED FOR PROCESSING \*\*\*  
(1=YES; 0=NO)

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1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

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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 23132 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\15639  
Spreckels\15639 Ops HRA\1 \*\*\* 09/20/24

\*\*\* AERMET - VERSION 21112 \*\*\*

\*\*\* 09:17:47

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA \*\*\*

Surface file:

modesto-city-23258\Modesto\_18-22.SFC

Met

Version: 21112

Profile file:

modesto-city-23258\Modesto\_18-22.PFL

Surface format:

FREE

Profile format:

FREE

Surface station no.: 23258

Upper air station no.: 23230

Name: UNKNOWN

Name:

OAKLAND/WSO\_AP

Year: 2018

Year: 2018

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O	LEN	Z0	BOWEN	ALBEDO	REF	WS
WD	HT	REF	TA	HT													
18	01	01	1	01	-9.5	0.126	-9.000	-9.000	-999.	107.	19.2	0.03	0.99	1.00	2.04		
314.	10.0	281.4	2.0														
18	01	01	1	02	-6.6	0.104	-9.000	-9.000	-999.	81.	15.7	0.03	0.99	1.00	1.71		
321.	10.0	281.4	2.0														
18	01	01	1	03	-9.9	0.131	-9.000	-9.000	-999.	114.	20.7	0.04	0.99	1.00	1.96		
346.	10.0	281.4	2.0														
18	01	01	1	04	-4.1	0.084	-9.000	-9.000	-999.	58.	13.1	0.04	0.99	1.00	1.26		
331.	10.0	280.4	2.0														
18	01	01	1	05	-1.9	0.061	-9.000	-9.000	-999.	36.	11.0	0.02	0.99	1.00	0.86		
247.	10.0	278.8	2.0														
18	01	01	1	06	-1.6	0.060	-9.000	-9.000	-999.	35.	12.1	0.02	0.99	1.00	0.74		
217.	10.0	278.8	2.0														
18	01	01	1	07	-1.4	0.058	-9.000	-9.000	-999.	34.	12.7	0.02	0.99	1.00	0.67		
231.	10.0	277.5	2.0														
18	01	01	1	08	-2.0	0.065	-9.000	-9.000	-999.	40.	12.7	0.05	0.99	0.71	0.79		
198.	10.0	276.4	2.0														
18	01	01	1	09	0.1	0.081	0.021	0.007	3.	56.	-420.9	0.02	0.99	0.38	1.21		
106.	10.0	279.9	2.0														
18	01	01	1	10	47.5	0.079	0.580	0.006	149.	53.	-1.0	0.02	0.99	0.27	0.75		
139.	10.0	283.1	2.0														
18	01	01	1	11	83.4	0.135	1.018	0.015	461.	119.	-2.7	0.04	0.99	0.23	1.23		
353.	10.0	286.4	2.0														
18	01	01	1	12	103.1	0.228	1.163	0.017	556.	262.	-10.5	0.04	0.99	0.21	2.50		
333.	10.0	288.1	2.0														
18	01	01	1	13	105.8	0.161	1.231	0.019	641.	157.	-3.6	0.03	0.99	0.21	1.70		
322.	10.0	289.9	2.0														
18	01	01	1	14	91.4	0.148	1.217	0.019	715.	137.	-3.2	0.03	0.99	0.22	1.54		
324.	10.0	291.4	2.0														
18	01	01	1	15	60.0	0.135	1.065	0.019	731.	119.	-3.7	0.02	0.99	0.26	1.62		

298.	10.0	291.4	2.0											
18 01 01	1 16	15.4	0.170	0.678	0.019	735.	169.	-29.1	0.02	0.99	0.35	2.47		
295.	10.0	291.4	2.0											
18 01 01	1 17	-14.5	0.165	-9.000	-9.000	-999.	161.	30.1	0.03	0.99	0.60	2.61		
310.	10.0	288.8	2.0											
18 01 01	1 18	-7.0	0.110	-9.000	-9.000	-999.	88.	17.3	0.04	0.99	1.00	1.67		
331.	10.0	286.4	2.0											
18 01 01	1 19	-1.8	0.060	-9.000	-9.000	-999.	35.	11.0	0.02	0.99	1.00	0.84		
240.	10.0	285.4	2.0											
18 01 01	1 20	-1.7	0.061	-9.000	-9.000	-999.	36.	12.2	0.03	0.99	1.00	0.75		
327.	10.0	282.5	2.0											
18 01 01	1 21	-1.8	0.063	-9.000	-9.000	-999.	38.	12.9	0.04	0.99	1.00	0.74		
166.	10.0	282.0	2.0											
18 01 01	1 22	-4.0	0.081	-9.000	-9.000	-999.	55.	12.1	0.02	0.99	1.00	1.35		
116.	10.0	280.9	2.0											
18 01 01	1 23	-5.2	0.092	-9.000	-9.000	-999.	67.	13.6	0.02	0.99	1.00	1.55		
115.	10.0	279.9	2.0											
18 01 01	1 24	-4.4	0.084	-9.000	-9.000	-999.	59.	12.6	0.02	0.99	1.00	1.42		
119.	10.0	280.4	2.0											

First hour of profile data

```
YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
18 01 01 01   10.0 1  314.    2.04  281.5  99.0  -99.00 -99.00
```

F indicates top of profile (=1) or below (=0)

```
*** AERMOD - VERSION 23132 ***    *** C:\Users\Michael Tirohn\Desktop\HRAs\15639
Spreckels\15639 Ops HRA\1 ***    09/20/24
*** AERMET - VERSION 21112 ***
***                                     ***    09:17:47
```

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\*\*\* MODELOPTs: RegDFault CONC ELEV URBAN ADJ\_U\*

\*\*\* THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION VALUES FOR  
SOURCE GROUP: ALL \*\*\*

```
INCLUDING SOURCE(S):      IDLE1      , IDLE2      ,
IDLE3      , IDLE4      , IDLE5      ,
IDLE6      , IDLE7      , IDLE8      , IDLE9      , IDLE10     ,
IDLE11     , IDLE12     , IDLE13     ,
IDLE14     , IDLE15     , IDLE16     , IDLE17     , IDLE18     ,
IDLE19     , IDLE20     , IDLE21     ,
IDLE22     , IDLE23     , IDLE24     , IDLE25     , IDLE26     ,
IDLE27     , IDLE28     , . . .      ,
```

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN \*\*  
MICROGRAMS/M\*\*3

X-COORD (M) Y-COORD (M) CONC X-COORD (M) Y-COORD

```
-----
658334.38 4184219.32 0.02204 658333.00
4184239.07 0.02981
658332.77 4184256.75 0.03670 658331.12
4184275.37 0.04298
658330.55 4184293.56 0.04640 658330.13
4184311.47 0.04694
658329.14 4184328.95 0.04610 658328.75
4184346.90 0.04113
658327.32 4184364.94 0.03267 658326.61
4184384.60 0.02596
658325.69 4184400.50 0.02353 658351.91
4184356.45 0.04030
```



658411.42	4184331.21	0.04204	658460.92
4184332.62	0.04872		
658489.41	4184334.45	0.05103	658538.91
4184336.42	0.04850		
658633.98	4184363.12	0.01665	658575.23
4184376.20	0.02175		
658792.31	4184311.46	0.01175	658328.23
4184428.16	0.01988		
658324.56	4184463.84	0.01600	658340.07
4184463.88	0.01594		
658356.85	4184464.48	0.01582	658372.20
4184464.60	0.01578		
658385.86	4184464.84	0.01580	658403.96
4184465.20	0.01593		
658420.15	4184465.08	0.01624	658435.73
4184466.40	0.01623		
658336.30	4184188.36	0.01378	658338.79
4184166.96	0.01203		
658339.45	4184149.70	0.01038	658338.62
4184131.78	0.00864		
658339.62	4184114.19	0.00802	658339.45
4184096.93	0.00764		
658528.90	4184142.67	0.08320	658609.95
4184144.35	0.10638		
658681.53	4184145.79	0.08781	658822.70
4184109.99	0.02106		
658341.04	4184077.32	0.00738	658342.17
4184057.42	0.00716		
658342.45	4184040.64	0.00700	658343.44
4184024.27	0.00689		
658344.00	4184004.66	0.00673	658345.03
4183986.32	0.00662		
658345.54	4183969.09	0.00649	658347.07
4183948.81	0.00640		
658348.08	4183931.79	0.00631	658348.70
4183912.73	0.00620		
658349.41	4183895.60	0.00611	658350.33
4183876.24	0.00602		
658705.37	4184490.63	0.00782	658356.00
4183814.13	0.00583		
658783.42	4183907.96	0.02253	658844.96
4184011.43	0.02059		
657852.76	4184359.55	0.00531	658013.70
4184464.19	0.01252		
658356.21	4183852.60	0.00605	658487.87
4183854.81	0.01225		
658621.29	4183854.81	0.01981	659353.96
4184491.93	0.00214		
658618.84	4184754.20	0.00460	658624.83
4184647.10	0.00584		
658624.08	4184601.04	0.00656	658684.37
4184796.51	0.00382		
658912.05	4184704.77	0.00281	659090.68
4184904.74	0.00204		
658921.04	4184927.95	0.00204	658586.26
4184908.48	0.00319		
658405.01	4184892.00	0.00364	658487.02
4184918.97	0.00334		
658581.39	4184983.00	0.00258	658428.60
4184853.43	0.00402		
658445.08	4184517.53	0.01141	658435.72
4184690.54	0.00610		
659317.34	4184800.77	0.00154	659331.28
4184657.35	0.00167		
658029.00	4184541.67	0.01129	657824.73
4184529.27	0.00856		

658007.60 4184688.03 0.00660 657931.24  
4184676.97 0.00705

\*\*\* AERMOD - VERSION 23132 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\15639  
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\*\*\* AERMET - VERSION 21112 \*\*\*  
\*\*\*

\*\*\* 09:17:47

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION VALUES FOR  
SOURCE GROUP: ALL \*\*\*  
INCLUDING SOURCE(S): IDLE1 , IDLE2 ,  
IDLE3 , IDLE4 , IDLE5 ,  
IDLE6 , IDLE7 , IDLE8 , IDLE9 , IDLE10 ,  
IDLE11 , IDLE12 , IDLE13 ,  
IDLE14 , IDLE15 , IDLE16 , IDLE17 , IDLE18 ,  
IDLE19 , IDLE20 , IDLE21 ,  
IDLE22 , IDLE23 , IDLE24 , IDLE25 , IDLE26 ,  
IDLE27 , IDLE28 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN \*\*  
MICROGRAMS/M\*\*3

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
658885.71	4183203.88	0.00512	658727.12	
4183244.58	0.00497			
658692.88	4183227.78	0.00463	658622.47	
4183228.75	0.00427			
658545.92	4183228.43	0.00386	658475.83	
4183222.94	0.00348			
658424.28	4183214.81	0.00319	658273.79	
4183234.19	0.00249			
658205.87	4183233.72	0.00216	658043.97	
4183240.94	0.00164			
660186.59	4184250.08	0.00087	660213.20	
4184424.91	0.00080			
660287.31	4184509.29	0.00071	660215.86	
4184164.56	0.00085			
658605.12	4184843.00	0.00381	658612.49	
4184909.54	0.00312			
658656.93	4184905.99	0.00306	658485.76	
4184891.51	0.00360			
658609.54	4185069.95	0.00200	658618.13	
4185023.06	0.00223			
658608.32	4185108.05	0.00184	658527.17	
4185095.88	0.00205			
658631.88	4185217.21	0.00140	658636.02	
4185282.57	0.00119			
658560.32	4183641.32	0.01065	657679.02	
4184224.32	0.00251			
657815.11	4184143.25	0.00254	657534.91	
4184333.00	0.00258			
657495.41	4184354.76	0.00263	657529.76	
4184355.90	0.00264			
657370.02	4184525.38	0.00304	657339.76	
4184465.00	0.00271			
657013.06	4184509.19	0.00157	658388.97	
4183233.05	0.00312			
658823.50	4183226.17	0.00516	659051.36	
4183064.93	0.00408			

658877.88 4184185.01 0.01076 660167.76  
4183945.94 0.00091  
657486.71 4184810.66  
0.00450

\*\*\* AERMOD - VERSION 23132 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\15639  
Spreckels\15639 Ops HRA\1 \*\*\* 09/20/24  
\*\*\* AERMET - VERSION 21112 \*\*\*  
\*\*\* 09:17:47

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE SUMMARY OF MAXIMUM PERIOD ( 43824 HRS) RESULTS  
\*\*\*

\*\* CONC OF DPM IN \*\*  
MICROGRAMS/M\*\*3

NETWORK

GROUP ID NETWORK  
ZFLAG) OF TYPE GRID-ID AVERAGE CONC RECEPTOR (XR, YR, ZELEV, ZHILL,

-----  
ALL 1ST HIGHEST VALUE IS 0.10638 AT ( 658609.95, 4184144.35, 13.35,  
13.35, 0.00) DC  
2ND HIGHEST VALUE IS 0.08781 AT ( 658681.53, 4184145.79, 13.27,  
13.27, 0.00) DC  
3RD HIGHEST VALUE IS 0.08320 AT ( 658528.90, 4184142.67, 13.15,  
13.15, 0.00) DC  
4TH HIGHEST VALUE IS 0.05103 AT ( 658489.41, 4184334.45, 13.04,  
13.04, 0.00) DC  
5TH HIGHEST VALUE IS 0.04872 AT ( 658460.92, 4184332.62, 13.11,  
13.11, 0.00) DC  
6TH HIGHEST VALUE IS 0.04850 AT ( 658538.91, 4184336.42, 13.07,  
13.07, 0.00) DC  
7TH HIGHEST VALUE IS 0.04694 AT ( 658330.13, 4184311.47, 12.90,  
12.90, 0.00) DC  
8TH HIGHEST VALUE IS 0.04640 AT ( 658330.55, 4184293.56, 12.84,  
12.84, 0.00) DC  
9TH HIGHEST VALUE IS 0.04610 AT ( 658329.14, 4184328.95, 12.96,  
12.96, 0.00) DC  
10TH HIGHEST VALUE IS 0.04298 AT ( 658331.12, 4184275.37, 12.78,  
12.78, 0.00) DC

\*\*\* RECEPTOR TYPES: GC = GRIDCART  
GP = GRIDPOLR  
DC = DISCCART  
DP = DISCPOLR

\*\*\* AERMOD - VERSION 23132 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\15639  
Spreckels\15639 Ops HRA\1 \*\*\* 09/20/24  
\*\*\* AERMET - VERSION 21112 \*\*\*  
\*\*\* 09:17:47

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* Message Summary : AERMOD Model Execution \*\*\*

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)





SO W320	1580	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1581	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1582	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1583	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1584	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1585	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1586	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1587	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1588	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1589	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1590	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1591	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1634	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1635	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
ME W186	8704	MEOpen: THRESH_1MIN 1-min ASOS wind speed threshold used	0.50
ME W187	8704	MEOpen: ADJ_U* Option for Stable Low Winds used in AERMET	

\*\*\*\*\*  
\*\*\* AERMOD Finishes Successfully \*\*\*  
\*\*\*\*\*

```

** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 12.0.0
** Lakes Environmental Software Inc.
** Date: 9/20/2024
** File: C:\Users\Michael Tirohn\Desktop\HRAs\15639 Spreckels\15639 Ops HRA Mitigated\15639 Ops
HRA Mitigated.ADI
**

```

```

*****
**
**
*****

```

```

** AERMOD Control Pathway
*****

```

```

**
**

```

```

CO STARTING
TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\15639 Spreckels\15639 Ops HRA\1
MODELOPT DFAULT CONC
AVERTIME PERIOD
URBANOPT 62651 Manteca
POLLUTID DPM
RUNORNOT RUN
ERRORFIL "15639 Ops HRA Mitigated.err"

```

```

CO FINISHED
**

```

```

*****
** AERMOD Source Pathway
*****

```

```

**
**

```

```

SO STARTING

```

```

** Source Location **

```

** Source ID - Type - X Coord. - Y Coord. **				
LOCATION IDLE1	POINT	658435.183	4184223.485	13.280
** DESCRSRC Truck Idle				
LOCATION IDLE2	POINT	658439.215	4184223.703	13.290
** DESCRSRC Truck Idle				
LOCATION IDLE3	POINT	658443.027	4184223.749	13.300
** DESCRSRC Truck Idle				
LOCATION IDLE4	POINT	658447.022	4184223.886	13.300
** DESCRSRC Truck Idle				
LOCATION IDLE5	POINT	658451.109	4184223.932	13.310
** DESCRSRC Truck Idle				
LOCATION IDLE6	POINT	658458.885	4184224.125	13.310
** DESCRSRC Truck Idle				
LOCATION IDLE7	POINT	658462.918	4184224.343	13.300
** DESCRSRC Truck Idle				
LOCATION IDLE8	POINT	658466.729	4184224.389	13.300
** DESCRSRC Truck Idle				
LOCATION IDLE9	POINT	658470.724	4184224.527	13.300
** DESCRSRC Truck Idle				
LOCATION IDLE10	POINT	658474.811	4184224.573	13.300
** DESCRSRC Truck Idle				
LOCATION IDLE11	POINT	658478.753	4184224.759	13.290
** DESCRSRC Truck Idle				
LOCATION IDLE12	POINT	658482.748	4184224.851	13.290
** DESCRSRC Truck Idle				
LOCATION IDLE13	POINT	658506.326	4184225.373	13.270
** DESCRSRC Truck Idle				
LOCATION IDLE14	POINT	658510.268	4184225.559	13.250
** DESCRSRC Truck Idle				
LOCATION IDLE15	POINT	658514.263	4184225.651	13.240

** DESCRSRC	Truck Idle				
LOCATION	IDLE16	POINT	658490.400	4184224.926	13.290
** DESCRSRC	Truck Idle				
LOCATION	IDLE17	POINT	658494.432	4184225.144	13.290
** DESCRSRC	Truck Idle				
LOCATION	IDLE18	POINT	658498.244	4184225.189	13.280
** DESCRSRC	Truck Idle				
LOCATION	IDLE19	POINT	658502.239	4184225.327	13.280
** DESCRSRC	Truck Idle				
LOCATION	IDLE20	POINT	658538.103	4184226.246	13.190
** DESCRSRC	Truck Idle				
LOCATION	IDLE21	POINT	658542.045	4184226.432	13.180
** DESCRSRC	Truck Idle				
LOCATION	IDLE22	POINT	658546.040	4184226.524	13.170
** DESCRSRC	Truck Idle				
LOCATION	IDLE23	POINT	658522.177	4184225.798	13.220
** DESCRSRC	Truck Idle				
LOCATION	IDLE24	POINT	658526.209	4184226.016	13.210
** DESCRSRC	Truck Idle				
LOCATION	IDLE25	POINT	658530.021	4184226.062	13.200
** DESCRSRC	Truck Idle				
LOCATION	IDLE26	POINT	658534.016	4184226.200	13.200
** DESCRSRC	Truck Idle				
LOCATION	IDLE27	POINT	658569.559	4184227.026	13.200
** DESCRSRC	Truck Idle				
LOCATION	IDLE28	POINT	658573.500	4184227.212	13.200
** DESCRSRC	Truck Idle				
LOCATION	IDLE29	POINT	658577.495	4184227.304	13.210
** DESCRSRC	Truck Idle				
LOCATION	IDLE30	POINT	658553.633	4184226.579	13.170
** DESCRSRC	Truck Idle				
LOCATION	IDLE31	POINT	658557.665	4184226.797	13.180
** DESCRSRC	Truck Idle				
LOCATION	IDLE32	POINT	658561.477	4184226.843	13.180
** DESCRSRC	Truck Idle				
LOCATION	IDLE33	POINT	658565.472	4184226.980	13.190
** DESCRSRC	Truck Idle				
LOCATION	IDLE34	POINT	658601.336	4184227.945	13.250
** DESCRSRC	Truck Idle				
LOCATION	IDLE35	POINT	658605.277	4184228.131	13.250
** DESCRSRC	Truck Idle				
LOCATION	IDLE36	POINT	658609.272	4184228.223	13.250
** DESCRSRC	Truck Idle				
LOCATION	IDLE37	POINT	658585.410	4184227.497	13.220
** DESCRSRC	Truck Idle				
LOCATION	IDLE38	POINT	658589.442	4184227.715	13.230
** DESCRSRC	Truck Idle				
LOCATION	IDLE39	POINT	658593.254	4184227.761	13.240
** DESCRSRC	Truck Idle				
LOCATION	IDLE40	POINT	658597.249	4184227.899	13.240
** DESCRSRC	Truck Idle				
LOCATION	IDLE41	POINT	658632.975	4184228.725	13.290
** DESCRSRC	Truck Idle				
LOCATION	IDLE42	POINT	658636.917	4184228.911	13.300
** DESCRSRC	Truck Idle				
LOCATION	IDLE43	POINT	658617.049	4184228.278	13.260
** DESCRSRC	Truck Idle				
LOCATION	IDLE44	POINT	658621.081	4184228.496	13.270
** DESCRSRC	Truck Idle				
LOCATION	IDLE45	POINT	658624.893	4184228.542	13.270
** DESCRSRC	Truck Idle				
LOCATION	IDLE46	POINT	658628.888	4184228.679	13.280
** DESCRSRC	Truck Idle				
LOCATION	TRU1	POINT	658435.103	4184226.251	13.290
** DESCRSRC	TRU				
LOCATION	TRU2	POINT	658439.083	4184226.213	13.290



**	DESCRSRC	TRU				
	LOCATION	TRU3	POINT	658442.987	4184226.331	13.300
**	DESCRSRC	TRU				
	LOCATION	TRU4	POINT	658446.852	4184226.409	13.310
**	DESCRSRC	TRU				
	LOCATION	TRU5	POINT	658450.833	4184226.526	13.310
**	DESCRSRC	TRU				
	LOCATION	TRU6	POINT	658458.774	4184226.822	13.310
**	DESCRSRC	TRU				
	LOCATION	TRU7	POINT	658462.754	4184226.784	13.310
**	DESCRSRC	TRU				
	LOCATION	TRU8	POINT	658466.658	4184226.901	13.300
**	DESCRSRC	TRU				
	LOCATION	TRU9	POINT	658470.523	4184226.979	13.300
**	DESCRSRC	TRU				
	LOCATION	TRU10	POINT	658474.504	4184227.096	13.300
**	DESCRSRC	TRU				
	LOCATION	TRU11	POINT	658478.549	4184227.306	13.300
**	DESCRSRC	TRU				
	LOCATION	TRU12	POINT	658482.569	4184227.346	13.300
**	DESCRSRC	TRU				
	LOCATION	TRU13	POINT	658490.296	4184227.726	13.290
**	DESCRSRC	TRU				
	LOCATION	TRU14	POINT	658494.276	4184227.688	13.290
**	DESCRSRC	TRU				
	LOCATION	TRU15	POINT	658498.180	4184227.805	13.290
**	DESCRSRC	TRU				
	LOCATION	TRU16	POINT	658502.044	4184227.883	13.280
**	DESCRSRC	TRU				
	LOCATION	TRU17	POINT	658506.026	4184228.001	13.270
**	DESCRSRC	TRU				
	LOCATION	TRU18	POINT	658510.070	4184228.211	13.260
**	DESCRSRC	TRU				
	LOCATION	TRU19	POINT	658514.091	4184228.250	13.250
**	DESCRSRC	TRU				
	LOCATION	TRU20	POINT	658521.938	4184228.553	13.230
**	DESCRSRC	TRU				
	LOCATION	TRU21	POINT	658525.918	4184228.515	13.220
**	DESCRSRC	TRU				
	LOCATION	TRU22	POINT	658529.822	4184228.632	13.210
**	DESCRSRC	TRU				
	LOCATION	TRU23	POINT	658533.686	4184228.710	13.200
**	DESCRSRC	TRU				
	LOCATION	TRU24	POINT	658537.668	4184228.827	13.190
**	DESCRSRC	TRU				
	LOCATION	TRU25	POINT	658541.713	4184229.038	13.180
**	DESCRSRC	TRU				
	LOCATION	TRU26	POINT	658545.733	4184229.077	13.170
**	DESCRSRC	TRU				
	LOCATION	TRU27	POINT	658553.626	4184229.380	13.170
**	DESCRSRC	TRU				
	LOCATION	TRU28	POINT	658557.606	4184229.342	13.170
**	DESCRSRC	TRU				
	LOCATION	TRU29	POINT	658561.510	4184229.459	13.180
**	DESCRSRC	TRU				
	LOCATION	TRU30	POINT	658565.375	4184229.537	13.180
**	DESCRSRC	TRU				
	LOCATION	TRU31	POINT	658569.356	4184229.654	13.190
**	DESCRSRC	TRU				
	LOCATION	TRU32	POINT	658573.401	4184229.864	13.190
**	DESCRSRC	TRU				
	LOCATION	TRU33	POINT	658577.421	4184229.904	13.200
**	DESCRSRC	TRU				
	LOCATION	TRU34	POINT	658585.223	4184230.206	13.210
**	DESCRSRC	TRU				
	LOCATION	TRU35	POINT	658589.203	4184230.168	13.220

**	DESCRSRC	TRU				
	LOCATION	TRU36	POINT	658593.106	4184230.285	13.230
**	DESCRSRC	TRU				
	LOCATION	TRU37	POINT	658596.971	4184230.363	13.230
**	DESCRSRC	TRU				
	LOCATION	TRU38	POINT	658600.953	4184230.481	13.240
**	DESCRSRC	TRU				
	LOCATION	TRU39	POINT	658604.997	4184230.691	13.240
**	DESCRSRC	TRU				
	LOCATION	TRU40	POINT	658609.018	4184230.730	13.250
**	DESCRSRC	TRU				
	LOCATION	TRU41	POINT	658616.773	4184231.125	13.250
**	DESCRSRC	TRU				
	LOCATION	TRU42	POINT	658620.753	4184231.087	13.260
**	DESCRSRC	TRU				
	LOCATION	TRU43	POINT	658624.657	4184231.204	13.260
**	DESCRSRC	TRU				
	LOCATION	TRU44	POINT	658628.521	4184231.282	13.270
**	DESCRSRC	TRU				
	LOCATION	TRU45	POINT	658632.503	4184231.399	13.280
**	DESCRSRC	TRU				
	LOCATION	TRU46	POINT	658636.547	4184231.610	13.290
**	DESCRSRC	TRU				
	LOCATION	TTP1	POINT	658419.221	4184197.291	13.180
**	DESCRSRC	TTP Idle				
	LOCATION	TTP2	POINT	658422.143	4184197.413	13.190
**	DESCRSRC	TTP Idle				
	LOCATION	TTP3	POINT	658425.188	4184197.413	13.200
**	DESCRSRC	TTP Idle				
	LOCATION	TTP4	POINT	658428.354	4184197.656	13.210
**	DESCRSRC	TTP Idle				
	LOCATION	TTP5	POINT	658431.398	4184197.778	13.220
**	DESCRSRC	TTP Idle				
	LOCATION	TTP6	POINT	658434.321	4184197.656	13.220
**	DESCRSRC	TTP Idle				
	LOCATION	TTP7	POINT	658437.244	4184197.900	13.220
**	DESCRSRC	TTP Idle				
	LOCATION	TTP8	POINT	658440.166	4184198.022	13.220
**	DESCRSRC	TTP Idle				
	LOCATION	TTP9	POINT	658443.211	4184198.022	13.230
**	DESCRSRC	TTP Idle				
	LOCATION	TTP10	POINT	658446.377	4184198.265	13.230
**	DESCRSRC	TTP Idle				
	LOCATION	TTP11	POINT	658449.421	4184198.387	13.230
**	DESCRSRC	TTP Idle				
	LOCATION	TTP12	POINT	658452.344	4184198.265	13.230
**	DESCRSRC	TTP Idle				
	LOCATION	TTP13	POINT	658455.632	4184198.387	13.230
**	DESCRSRC	TTP Idle				
	LOCATION	TTP14	POINT	658458.554	4184198.509	13.230
**	DESCRSRC	TTP Idle				
	LOCATION	TTP15	POINT	658461.599	4184198.509	13.230
**	DESCRSRC	TTP Idle				
	LOCATION	TTP16	POINT	658464.765	4184198.752	13.230
**	DESCRSRC	TTP Idle				
	LOCATION	TTP17	POINT	658467.809	4184198.874	13.230
**	DESCRSRC	TTP Idle				
	LOCATION	TTP18	POINT	658470.732	4184198.752	13.230
**	DESCRSRC	TTP Idle				
	LOCATION	TTP19	POINT	658474.020	4184198.996	13.230
**	DESCRSRC	TTP Idle				
	LOCATION	TTP20	POINT	658476.942	4184199.118	13.230
**	DESCRSRC	TTP Idle				
	LOCATION	TTP21	POINT	658479.987	4184199.118	13.230
**	DESCRSRC	TTP Idle				
	LOCATION	TTP22	POINT	658483.153	4184199.361	13.230

** DESCRSRC TTP Idle					
LOCATION TTP23	POINT	658486.197	4184199.483		13.230
** DESCRSRC TTP Idle					
LOCATION TTP24	POINT	658489.120	4184199.361		13.230
** DESCRSRC TTP Idle					
LOCATION TTP25	POINT	658491.921	4184199.483		13.230
** DESCRSRC TTP Idle					
LOCATION TTP26	POINT	658494.844	4184199.605		13.230
** DESCRSRC TTP Idle					
LOCATION TTP27	POINT	658497.888	4184199.605		13.230
** DESCRSRC TTP Idle					
LOCATION TTP28	POINT	658501.054	4184199.848		13.230
** DESCRSRC TTP Idle					
LOCATION TTP29	POINT	658504.099	4184199.970		13.230
** DESCRSRC TTP Idle					
LOCATION TTP30	POINT	658507.021	4184199.848		13.220
** DESCRSRC TTP Idle					
LOCATION TTP31	POINT	658510.309	4184199.727		13.210
** DESCRSRC TTP Idle					
LOCATION TTP32	POINT	658513.232	4184199.848		13.210
** DESCRSRC TTP Idle					
LOCATION TTP33	POINT	658516.276	4184199.848		13.200
** DESCRSRC TTP Idle					
LOCATION TTP34	POINT	658519.442	4184200.092		13.200
** DESCRSRC TTP Idle					
LOCATION TTP35	POINT	658522.487	4184200.214		13.190
** DESCRSRC TTP Idle					
LOCATION TTP36	POINT	658525.409	4184200.092		13.190
** DESCRSRC TTP Idle					
LOCATION TTP37	POINT	658528.819	4184200.336		13.190
** DESCRSRC TTP Idle					
LOCATION TTP38	POINT	658531.742	4184200.457		13.190
** DESCRSRC TTP Idle					
LOCATION TTP39	POINT	658534.786	4184200.457		13.200
** DESCRSRC TTP Idle					
LOCATION TTP40	POINT	658537.952	4184200.701		13.200
** DESCRSRC TTP Idle					
LOCATION TTP41	POINT	658540.997	4184200.823		13.200
** DESCRSRC TTP Idle					
LOCATION TTP42	POINT	658543.919	4184200.701		13.200
** DESCRSRC TTP Idle					
LOCATION TTP43	POINT	658546.720	4184200.701		13.210
** DESCRSRC TTP Idle					
LOCATION TTP44	POINT	658549.643	4184200.823		13.210
** DESCRSRC TTP Idle					
LOCATION TTP45	POINT	658552.687	4184200.823		13.220
** DESCRSRC TTP Idle					
LOCATION TTP46	POINT	658555.853	4184201.066		13.230
** DESCRSRC TTP Idle					
LOCATION TTP47	POINT	658558.898	4184201.188		13.230
** DESCRSRC TTP Idle					
LOCATION TTP48	POINT	658561.820	4184201.066		13.240
** DESCRSRC TTP Idle					
LOCATION TTP49	POINT	658565.230	4184201.188		13.250
** DESCRSRC TTP Idle					
LOCATION TTP50	POINT	658568.153	4184201.310		13.260
** DESCRSRC TTP Idle					
LOCATION TTP51	POINT	658571.197	4184201.310		13.270
** DESCRSRC TTP Idle					
LOCATION TTP52	POINT	658574.363	4184201.553		13.280
** DESCRSRC TTP Idle					
LOCATION TTP53	POINT	658577.408	4184201.675		13.280
** DESCRSRC TTP Idle					
LOCATION TTP54	POINT	658580.330	4184201.553		13.290
** DESCRSRC TTP Idle					
LOCATION TTP55	POINT	658583.375	4184201.919		13.290

** DESCRSRC	TTP Idle				
LOCATION	TTP56	POINT	658586.297	4184202.040	13.290
** DESCRSRC	TTP Idle				
LOCATION	TTP57	POINT	658589.342	4184202.040	13.300
** DESCRSRC	TTP Idle				
LOCATION	TTP58	POINT	658592.508	4184202.284	13.300
** DESCRSRC	TTP Idle				
LOCATION	TTP59	POINT	658595.552	4184202.406	13.310
** DESCRSRC	TTP Idle				
LOCATION	TTP60	POINT	658598.475	4184202.284	13.310
** DESCRSRC	TTP Idle				
LOCATION	TTP61	POINT	658601.763	4184202.162	13.310
** DESCRSRC	TTP Idle				
LOCATION	TTP62	POINT	658604.685	4184202.284	13.320
** DESCRSRC	TTP Idle				
LOCATION	TTP63	POINT	658607.730	4184202.284	13.320
** DESCRSRC	TTP Idle				
LOCATION	TTP64	POINT	658610.896	4184202.527	13.320
** DESCRSRC	TTP Idle				
LOCATION	TTP65	POINT	658613.940	4184202.649	13.320
** DESCRSRC	TTP Idle				
LOCATION	TTP66	POINT	658616.863	4184202.527	13.320
** DESCRSRC	TTP Idle				
LOCATION	TTP67	POINT	658619.907	4184202.771	13.320
** DESCRSRC	TTP Idle				
LOCATION	TTP68	POINT	658622.830	4184202.893	13.320
** DESCRSRC	TTP Idle				
LOCATION	TTP69	POINT	658625.874	4184202.893	13.320
** DESCRSRC	TTP Idle				
LOCATION	TTP70	POINT	658629.041	4184203.136	13.320
** DESCRSRC	TTP Idle				
LOCATION	TTP71	POINT	658632.085	4184203.258	13.320
** DESCRSRC	TTP Idle				
LOCATION	TTP72	POINT	658635.008	4184203.136	13.330
** DESCRSRC	TTP Idle				
LOCATION	TTP73	POINT	658638.174	4184203.258	13.330
** DESCRSRC	TTP Idle				
LOCATION	TTP74	POINT	658641.096	4184203.380	13.330
** DESCRSRC	TTP Idle				
LOCATION	TTP75	POINT	658644.141	4184203.380	13.330
** DESCRSRC	TTP Idle				
LOCATION	TTP76	POINT	658647.307	4184203.623	13.330
** DESCRSRC	TTP Idle				
LOCATION	TTP77	POINT	658650.351	4184203.745	13.340
** DESCRSRC	TTP Idle				
LOCATION	TTP78	POINT	658653.274	4184203.623	13.350
** DESCRSRC	TTP Idle				
LOCATION	TTP79	POINT	658656.075	4184203.745	13.360
** DESCRSRC	TTP Idle				
LOCATION	TTP80	POINT	658658.997	4184203.867	13.370
** DESCRSRC	TTP Idle				
LOCATION	TTP81	POINT	658662.042	4184203.867	13.380
** DESCRSRC	TTP Idle				
LOCATION	TTP82	POINT	658665.208	4184204.111	13.400
** DESCRSRC	TTP Idle				
LOCATION	TTP83	POINT	658668.252	4184204.232	13.410
** DESCRSRC	TTP Idle				

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\*\* Line Source Represented by Adjacent Volume Sources  
 \*\* LINE VOLUME Source ID = SLINE1  
 \*\* DESCRSRC On-Site  
 \*\* PREFIX  
 \*\* Length of Side = 8.59  
 \*\* Configuration = Adjacent  
 \*\* Emission Rate = 0.00008511  
 \*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25  
 \*\* Nodes = 7  
 \*\* 658415.809, 4184209.947, 13.21, 3.49, 4.00  
 \*\* 658601.519, 4184213.680, 13.30, 3.49, 4.00  
 \*\* 658684.575, 4184216.013, 13.51, 3.49, 4.00  
 \*\* 658704.172, 4184217.180, 13.56, 3.49, 4.00  
 \*\* 658717.471, 4184217.413, 13.60, 3.49, 4.00  
 \*\* 658738.935, 4184219.979, 13.57, 3.49, 4.00  
 \*\* 658762.732, 4184224.879, 13.10, 3.49, 4.00

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LOCATION	VOLUME	658420.103	4184210.034	13.23
LOCATION L0000001	VOLUME	658420.103	4184210.034	13.23
LOCATION L0000002	VOLUME	658428.692	4184210.206	13.27
LOCATION L0000003	VOLUME	658437.280	4184210.379	13.28
LOCATION L0000004	VOLUME	658445.868	4184210.551	13.28
LOCATION L0000005	VOLUME	658454.456	4184210.724	13.29
LOCATION L0000006	VOLUME	658463.045	4184210.897	13.28
LOCATION L0000007	VOLUME	658471.633	4184211.069	13.28
LOCATION L0000008	VOLUME	658480.221	4184211.242	13.27
LOCATION L0000009	VOLUME	658488.810	4184211.415	13.26
LOCATION L0000010	VOLUME	658497.398	4184211.587	13.26
LOCATION L0000011	VOLUME	658505.986	4184211.760	13.24
LOCATION L0000012	VOLUME	658514.574	4184211.932	13.21
LOCATION L0000013	VOLUME	658523.163	4184212.105	13.19
LOCATION L0000014	VOLUME	658531.751	4184212.278	13.18
LOCATION L0000015	VOLUME	658540.339	4184212.450	13.18
LOCATION L0000016	VOLUME	658548.927	4184212.623	13.18
LOCATION L0000017	VOLUME	658557.516	4184212.796	13.20
LOCATION L0000018	VOLUME	658566.104	4184212.968	13.23
LOCATION L0000019	VOLUME	658574.692	4184213.141	13.26
LOCATION L0000020	VOLUME	658583.280	4184213.313	13.28
LOCATION L0000021	VOLUME	658591.869	4184213.486	13.29
LOCATION L0000022	VOLUME	658600.457	4184213.659	13.30
LOCATION L0000023	VOLUME	658609.044	4184213.831	13.31
LOCATION L0000024	VOLUME	658617.630	4184214.003	13.31
LOCATION L0000025	VOLUME	658626.217	4184214.174	13.31
LOCATION L0000026	VOLUME	658634.804	4184214.346	13.32
LOCATION L0000027	VOLUME	658643.390	4184214.517	13.33
LOCATION L0000028	VOLUME	658651.977	4184215.089	13.35
LOCATION L0000029	VOLUME	658660.563	4184215.260	13.40
LOCATION L0000030	VOLUME	658669.150	4184215.431	13.44
LOCATION L0000031	VOLUME	658677.737	4184215.602	13.48
LOCATION L0000032	VOLUME	658686.321	4184216.174	13.51
LOCATION L0000033	VOLUME	658694.896	4184216.345	13.55
LOCATION L0000034	VOLUME	658703.471	4184217.017	13.57
LOCATION L0000035	VOLUME	658712.058	4184217.188	13.58
LOCATION L0000036	VOLUME	658720.625	4184217.359	13.60
LOCATION L0000037	VOLUME	658729.154	4184218.031	13.60
LOCATION L0000038	VOLUME	658737.683	4184219.102	13.59
LOCATION L0000039	VOLUME	658746.114	4184221.174	13.54
LOCATION L0000040	VOLUME	658754.527	4184223.245	13.33

\*\* End of LINE VOLUME Source ID = SLINE1  
 LOCATION STCK1 POINT 658699.750 4184281.400 13.560  
 \*\* DESCRSRC Fire Pump  
 LOCATION STCK2 POINT 658700.160 4184271.260 13.560  
 \*\* DESCRSRC Emergency Generator

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\*\* Line Source Represented by Adjacent Volume Sources  
 \*\* LINE VOLUME Source ID = SLINE2  
 \*\* DESCRSRC Spreckels S 71.12%  
 \*\* PREFIX  
 \*\* Length of Side = 14.00  
 \*\* Configuration = Adjacent  
 \*\* Emission Rate = 0.00002895  
 \*\* Vertical Dimension = 6.99  
 \*\* SZINIT = 3.25  
 \*\* Nodes = 10

\*\* 658773.380, 4184223.229, 13.01, 3.49, 6.51  
\*\* 658777.575, 4184195.266, 12.95, 3.49, 6.51  
\*\* 658777.575, 4184152.389, 12.90, 3.49, 6.51  
\*\* 658773.846, 4184100.658, 13.02, 3.49, 6.51  
\*\* 658756.137, 4184034.479, 12.95, 3.49, 6.51  
\*\* 658742.621, 4183996.729, 12.81, 3.49, 6.51  
\*\* 658722.115, 4183953.853, 12.87, 3.49, 6.51  
\*\* 658633.566, 4183821.495, 12.98, 3.49, 6.51  
\*\* 658569.717, 4183730.149, 12.58, 3.49, 6.51  
\*\* 658479.770, 4183604.782, 12.56, 3.49, 6.51

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LOCATION	L0000041	VOLUME	658774.419	4184216.306	12.95
LOCATION	L0000042	VOLUME	658776.496	4184202.461	12.95
LOCATION	L0000043	VOLUME	658777.575	4184188.542	12.95
LOCATION	L0000044	VOLUME	658777.575	4184174.542	12.92
LOCATION	L0000045	VOLUME	658777.575	4184160.542	12.89
LOCATION	L0000046	VOLUME	658777.154	4184146.557	12.92
LOCATION	L0000047	VOLUME	658776.148	4184132.593	12.99
LOCATION	L0000048	VOLUME	658775.142	4184118.629	13.05
LOCATION	L0000049	VOLUME	658774.135	4184104.666	13.03
LOCATION	L0000050	VOLUME	658771.266	4184091.015	12.98
LOCATION	L0000051	VOLUME	658767.647	4184077.491	12.96
LOCATION	L0000052	VOLUME	658764.028	4184063.967	12.95
LOCATION	L0000053	VOLUME	658760.409	4184050.443	12.96
LOCATION	L0000054	VOLUME	658756.789	4184036.919	12.95
LOCATION	L0000055	VOLUME	658752.269	4184023.676	12.91
LOCATION	L0000056	VOLUME	658747.550	4184010.495	12.84
LOCATION	L0000057	VOLUME	658742.831	4183997.315	12.86
LOCATION	L0000058	VOLUME	658736.849	4183984.660	12.90
LOCATION	L0000059	VOLUME	658730.809	4183972.030	12.93
LOCATION	L0000060	VOLUME	658724.768	4183959.401	12.92
LOCATION	L0000061	VOLUME	658717.750	4183947.328	12.89
LOCATION	L0000062	VOLUME	658709.965	4183935.692	12.89
LOCATION	L0000063	VOLUME	658702.181	4183924.056	12.89
LOCATION	L0000064	VOLUME	658694.396	4183912.420	12.88
LOCATION	L0000065	VOLUME	658686.611	4183900.784	12.94
LOCATION	L0000066	VOLUME	658678.826	4183889.148	12.99
LOCATION	L0000067	VOLUME	658671.042	4183877.511	13.15
LOCATION	L0000068	VOLUME	658663.257	4183865.875	13.23
LOCATION	L0000069	VOLUME	658655.472	4183854.239	13.09
LOCATION	L0000070	VOLUME	658647.688	4183842.603	12.85
LOCATION	L0000071	VOLUME	658639.903	4183830.967	12.93
LOCATION	L0000072	VOLUME	658632.074	4183819.361	12.96
LOCATION	L0000073	VOLUME	658624.054	4183807.886	12.92
LOCATION	L0000074	VOLUME	658616.033	4183796.412	12.89
LOCATION	L0000075	VOLUME	658608.012	4183784.937	12.90
LOCATION	L0000076	VOLUME	658599.992	4183773.462	12.80
LOCATION	L0000077	VOLUME	658591.971	4183761.987	12.74
LOCATION	L0000078	VOLUME	658583.951	4183750.513	12.76
LOCATION	L0000079	VOLUME	658575.930	4183739.038	12.62
LOCATION	L0000080	VOLUME	658567.878	4183727.586	12.52
LOCATION	L0000081	VOLUME	658559.716	4183716.210	12.51
LOCATION	L0000082	VOLUME	658551.555	4183704.835	12.23
LOCATION	L0000083	VOLUME	658543.394	4183693.460	12.20
LOCATION	L0000084	VOLUME	658535.232	4183682.085	12.27
LOCATION	L0000085	VOLUME	658527.071	4183670.710	12.05
LOCATION	L0000086	VOLUME	658518.910	4183659.335	12.11
LOCATION	L0000087	VOLUME	658510.748	4183647.960	12.14
LOCATION	L0000088	VOLUME	658502.587	4183636.585	12.14
LOCATION	L0000089	VOLUME	658494.426	4183625.210	12.42
LOCATION	L0000090	VOLUME	658486.265	4183613.835	12.48

\*\* End of LINE VOLUME Source ID = SLINE2

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\*\* Line Source Represented by Adjacent Volume Sources  
\*\* LINE VOLUME Source ID = SLINE3  
\*\* DESCRSRC Spreckels S 37.93%

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** PREFIX
** Length of Side = 14.00
** Configuration = Adjacent
** Emission Rate = 0.00004855
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 18
** 658479.703, 4183602.879, 12.57, 3.49, 6.51
** 658440.998, 4183545.467, 12.80, 3.49, 6.51
** 658404.874, 4183508.053, 12.70, 3.49, 6.51
** 658348.752, 4183472.573, 12.96, 3.49, 6.51
** 658313.273, 4183459.027, 12.90, 3.49, 6.51
** 658273.278, 4183449.351, 13.05, 3.49, 6.51
** 658235.864, 4183448.060, 13.21, 3.49, 6.51
** 658002.346, 4183441.610, 12.76, 3.49, 6.51
** 657926.872, 4183446.125, 12.28, 3.49, 6.51
** 657908.439, 4183448.168, 12.04, 3.49, 6.51
** 657870.937, 4183464.240, 11.81, 3.49, 6.51
** 657678.617, 4183554.320, 11.22, 3.49, 6.51
** 657368.460, 4183705.863, 11.53, 3.49, 6.51
** 657316.598, 4183729.099, 11.47, 3.49, 6.51
** 657297.066, 4183738.529, 11.48, 3.49, 6.51
** 657248.750, 4183749.256, 11.39, 3.49, 6.51
** 657089.806, 4183749.256, 11.41, 3.49, 6.51
** 657113.915, 4183052.762, 11.70, 3.49, 6.51

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LOCATION L0000091      VOLUME 658475.790 4183597.075 12.59
LOCATION L0000092      VOLUME 658467.964 4183585.466 12.78
LOCATION L0000093      VOLUME 658460.138 4183573.858 12.99
LOCATION L0000094      VOLUME 658452.312 4183562.249 13.07
LOCATION L0000095      VOLUME 658444.486 4183550.641 12.90
LOCATION L0000096      VOLUME 658435.608 4183539.884 12.73
LOCATION L0000097      VOLUME 658425.884 4183529.813 12.62
LOCATION L0000098      VOLUME 658416.160 4183519.741 12.61
LOCATION L0000099      VOLUME 658406.435 4183509.670 12.65
LOCATION L0000100      VOLUME 658394.940 4183501.773 12.70
LOCATION L0000101      VOLUME 658383.107 4183494.292 12.72
LOCATION L0000102      VOLUME 658371.273 4183486.811 12.77
LOCATION L0000103      VOLUME 658359.439 4183479.330 12.85
LOCATION L0000104      VOLUME 658347.485 4183472.089 12.92
LOCATION L0000105      VOLUME 658334.406 4183467.096 12.93
LOCATION L0000106      VOLUME 658321.327 4183462.102 12.93
LOCATION L0000107      VOLUME 658308.045 4183457.762 12.99
LOCATION L0000108      VOLUME 658294.438 4183454.470 13.08
LOCATION L0000109      VOLUME 658280.830 4183451.178 13.17
LOCATION L0000110      VOLUME 658267.052 4183449.136 13.23
LOCATION L0000111      VOLUME 658253.060 4183448.653 13.24
LOCATION L0000112      VOLUME 658239.068 4183448.171 13.24
LOCATION L0000113      VOLUME 658225.074 4183447.762 13.23
LOCATION L0000114      VOLUME 658211.080 4183447.376 13.21
LOCATION L0000115      VOLUME 658197.085 4183446.989 13.19
LOCATION L0000116      VOLUME 658183.090 4183446.603 13.18
LOCATION L0000117      VOLUME 658169.096 4183446.216 13.17
LOCATION L0000118      VOLUME 658155.101 4183445.829 13.13
LOCATION L0000119      VOLUME 658141.106 4183445.443 13.09
LOCATION L0000120      VOLUME 658127.112 4183445.056 13.05
LOCATION L0000121      VOLUME 658113.117 4183444.670 13.02
LOCATION L0000122      VOLUME 658099.122 4183444.283 12.99
LOCATION L0000123      VOLUME 658085.128 4183443.896 12.96
LOCATION L0000124      VOLUME 658071.133 4183443.510 12.93
LOCATION L0000125      VOLUME 658057.138 4183443.123 12.92
LOCATION L0000126      VOLUME 658043.144 4183442.737 12.89
LOCATION L0000127      VOLUME 658029.149 4183442.350 12.86
LOCATION L0000128      VOLUME 658015.154 4183441.963 12.81
LOCATION L0000129      VOLUME 658001.161 4183441.680 12.75
LOCATION L0000130      VOLUME 657987.186 4183442.517 12.67

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LOCATION L0000131	VOLUME	657973.211	4183443.353	12.59
LOCATION L0000132	VOLUME	657959.236	4183444.189	12.49
LOCATION L0000133	VOLUME	657945.261	4183445.025	12.40
LOCATION L0000134	VOLUME	657931.286	4183445.861	12.30
LOCATION L0000135	VOLUME	657917.353	4183447.180	12.16
LOCATION L0000136	VOLUME	657903.814	4183450.150	12.01
LOCATION L0000137	VOLUME	657890.946	4183455.665	11.91
LOCATION L0000138	VOLUME	657878.078	4183461.180	11.79
LOCATION L0000139	VOLUME	657865.294	4183466.883	11.80
LOCATION L0000140	VOLUME	657852.616	4183472.822	11.77
LOCATION L0000141	VOLUME	657839.938	4183478.760	11.74
LOCATION L0000142	VOLUME	657827.260	4183484.698	11.66
LOCATION L0000143	VOLUME	657814.582	4183490.637	11.56
LOCATION L0000144	VOLUME	657801.903	4183496.575	11.50
LOCATION L0000145	VOLUME	657789.225	4183502.513	11.46
LOCATION L0000146	VOLUME	657776.547	4183508.451	11.41
LOCATION L0000147	VOLUME	657763.869	4183514.390	11.33
LOCATION L0000148	VOLUME	657751.191	4183520.328	11.25
LOCATION L0000149	VOLUME	657738.512	4183526.266	11.27
LOCATION L0000150	VOLUME	657725.834	4183532.204	11.28
LOCATION L0000151	VOLUME	657713.156	4183538.143	11.29
LOCATION L0000152	VOLUME	657700.478	4183544.081	11.24
LOCATION L0000153	VOLUME	657687.800	4183550.019	11.25
LOCATION L0000154	VOLUME	657675.149	4183556.015	11.36
LOCATION L0000155	VOLUME	657662.570	4183562.161	11.44
LOCATION L0000156	VOLUME	657649.991	4183568.307	11.44
LOCATION L0000157	VOLUME	657637.412	4183574.453	11.40
LOCATION L0000158	VOLUME	657624.833	4183580.599	11.43
LOCATION L0000159	VOLUME	657612.255	4183586.745	11.52
LOCATION L0000160	VOLUME	657599.676	4183592.891	11.56
LOCATION L0000161	VOLUME	657587.097	4183599.037	11.53
LOCATION L0000162	VOLUME	657574.518	4183605.183	11.45
LOCATION L0000163	VOLUME	657561.939	4183611.329	11.43
LOCATION L0000164	VOLUME	657549.361	4183617.475	11.46
LOCATION L0000165	VOLUME	657536.782	4183623.621	11.45
LOCATION L0000166	VOLUME	657524.203	4183629.767	11.40
LOCATION L0000167	VOLUME	657511.624	4183635.913	11.26
LOCATION L0000168	VOLUME	657499.045	4183642.059	11.19
LOCATION L0000169	VOLUME	657486.466	4183648.205	11.15
LOCATION L0000170	VOLUME	657473.888	4183654.351	11.12
LOCATION L0000171	VOLUME	657461.309	4183660.497	11.06
LOCATION L0000172	VOLUME	657448.730	4183666.643	10.96
LOCATION L0000173	VOLUME	657436.151	4183672.789	10.99
LOCATION L0000174	VOLUME	657423.572	4183678.935	11.15
LOCATION L0000175	VOLUME	657410.994	4183685.081	11.27
LOCATION L0000176	VOLUME	657398.415	4183691.227	11.33
LOCATION L0000177	VOLUME	657385.836	4183697.373	11.34
LOCATION L0000178	VOLUME	657373.257	4183703.519	11.45
LOCATION L0000179	VOLUME	657360.678	4183709.665	11.50
LOCATION L0000180	VOLUME	657347.099	4183715.811	11.51
LOCATION L0000181	VOLUME	657335.004	4183720.957	11.49
LOCATION L0000182	VOLUME	657322.425	4183726.103	11.46
LOCATION L0000183	VOLUME	657309.846	4183732.249	11.46
LOCATION L0000184	VOLUME	657296.267	4183738.395	11.45
LOCATION L0000185	VOLUME	657283.688	4183744.541	11.43
LOCATION L0000186	VOLUME	657269.109	4183744.687	11.41
LOCATION L0000187	VOLUME	657255.530	4183747.833	11.39
LOCATION L0000188	VOLUME	657242.951	4183749.979	11.36
LOCATION L0000189	VOLUME	657228.372	4183749.979	11.33
LOCATION L0000190	VOLUME	657214.793	4183749.979	11.30
LOCATION L0000191	VOLUME	657200.214	4183749.979	11.29
LOCATION L0000192	VOLUME	657186.635	4183749.979	11.28
LOCATION L0000193	VOLUME	657172.056	4183749.979	11.28
LOCATION L0000194	VOLUME	657158.477	4183749.979	11.30
LOCATION L0000195	VOLUME	657144.898	4183749.979	11.34
LOCATION L0000196	VOLUME	657130.319	4183749.979	11.39



LOCATION	VOLUME				
L0000197	657116.100	4183749.256	11.44		
L0000198	657102.100	4183749.256	11.43		
L0000199	657089.865	4183747.551	11.40		
L0000200	657090.349	4183733.559	11.37		
L0000201	657090.834	4183719.568	11.33		
L0000202	657091.318	4183705.576	11.29		
L0000203	657091.802	4183691.585	11.25		
L0000204	657092.287	4183677.593	11.17		
L0000205	657092.771	4183663.601	11.08		
L0000206	657093.255	4183649.610	11.02		
L0000207	657093.740	4183635.618	10.96		
L0000208	657094.224	4183621.627	10.96		
L0000209	657094.708	4183607.635	11.01		
L0000210	657095.193	4183593.643	11.03		
L0000211	657095.677	4183579.652	11.02		
L0000212	657096.161	4183565.660	11.02		
L0000213	657096.646	4183551.668	11.13		
L0000214	657097.130	4183537.677	11.24		
L0000215	657097.614	4183523.685	11.41		
L0000216	657098.099	4183509.694	11.59		
L0000217	657098.583	4183495.702	11.78		
L0000218	657099.067	4183481.710	11.97		
L0000219	657099.552	4183467.719	12.03		
L0000220	657100.036	4183453.727	11.98		
L0000221	657100.520	4183439.735	12.02		
L0000222	657101.005	4183425.744	12.24		
L0000223	657101.489	4183411.752	12.48		
L0000224	657101.973	4183397.761	12.80		
L0000225	657102.458	4183383.769	13.12		
L0000226	657102.942	4183369.777	13.43		
L0000227	657103.426	4183355.786	13.75		
L0000228	657103.911	4183341.794	14.00		
L0000229	657104.395	4183327.803	14.24		
L0000230	657104.879	4183313.811	14.00		
L0000231	657105.363	4183299.819	13.30		
L0000232	657105.848	4183285.828	12.72		
L0000233	657106.332	4183271.836	12.46		
L0000234	657106.816	4183257.844	12.30		
L0000235	657107.301	4183243.853	13.07		
L0000236	657107.785	4183229.861	13.87		
L0000237	657108.269	4183215.870	13.95		
L0000238	657108.754	4183201.878	13.97		
L0000239	657109.238	4183187.886	13.82		
L0000240	657109.722	4183173.895	13.61		
L0000241	657110.207	4183159.903	13.36		
L0000242	657110.691	4183145.911	13.07		
L0000243	657111.175	4183131.920	12.77		
L0000244	657111.660	4183117.928	12.41		
L0000245	657112.144	4183103.937	12.08		
L0000246	657112.628	4183089.945	11.93		
L0000247	657113.113	4183075.953	11.77		
L0000248	657113.597	4183061.962	11.78		

\*\* End of LINE VOLUME Source ID = SLINE3

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\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE4

\*\* DESCRSRC Mofatt 9.27%

\*\* PREFIX

\*\* Length of Side = 14.00

\*\* Configuration = Adjacent

\*\* Emission Rate = 9.441E-06

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 15

\*\* 658473.571, 4183597.801, 12.61, 3.49, 6.51

\*\* 658365.115, 4183676.778, 12.74, 3.49, 6.51

\*\* 658143.756, 4183838.071, 11.67, 3.49, 6.51  
 \*\* 658061.441, 4183898.138, 11.43, 3.49, 6.51  
 \*\* 657958.548, 4183972.110, 11.41, 3.49, 6.51  
 \*\* 657919.059, 4184007.149, 11.52, 3.49, 6.51  
 \*\* 657890.694, 4184041.076, 11.54, 3.49, 6.51  
 \*\* 657859.548, 4184074.447, 11.47, 3.49, 6.51  
 \*\* 657810.048, 4184112.267, 11.30, 3.49, 6.51  
 \*\* 657595.362, 4184262.436, 11.90, 3.49, 6.51  
 \*\* 657317.272, 4184459.880, 11.65, 3.49, 6.51  
 \*\* 657123.165, 4184601.706, 11.24, 3.49, 6.51  
 \*\* 657087.570, 4184626.734, 11.09, 3.49, 6.51  
 \*\* 657059.761, 4184638.970, 11.03, 3.49, 6.51  
 \*\* 657056.980, 4184638.970, 11.01, 3.49, 6.51

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LOCATION	L0000249	VOLUME	658467.912	4183601.921	12.58
LOCATION	L0000250	VOLUME	658456.595	4183610.163	12.54
LOCATION	L0000251	VOLUME	658445.277	4183618.404	12.50
LOCATION	L0000252	VOLUME	658433.960	4183626.645	12.37
LOCATION	L0000253	VOLUME	658422.643	4183634.887	12.22
LOCATION	L0000254	VOLUME	658411.326	4183643.128	12.28
LOCATION	L0000255	VOLUME	658400.008	4183651.369	12.40
LOCATION	L0000256	VOLUME	658388.691	4183659.610	12.48
LOCATION	L0000257	VOLUME	658377.374	4183667.852	12.44
LOCATION	L0000258	VOLUME	658366.056	4183676.093	12.66
LOCATION	L0000259	VOLUME	658354.741	4183684.337	12.80
LOCATION	L0000260	VOLUME	658343.426	4183692.582	12.78
LOCATION	L0000261	VOLUME	658332.111	4183700.826	12.75
LOCATION	L0000262	VOLUME	658320.796	4183709.071	12.76
LOCATION	L0000263	VOLUME	658309.482	4183717.316	12.75
LOCATION	L0000264	VOLUME	658298.167	4183725.560	12.65
LOCATION	L0000265	VOLUME	658286.852	4183733.805	12.60
LOCATION	L0000266	VOLUME	658275.537	4183742.049	12.57
LOCATION	L0000267	VOLUME	658264.222	4183750.294	12.54
LOCATION	L0000268	VOLUME	658252.907	4183758.538	12.44
LOCATION	L0000269	VOLUME	658241.592	4183766.783	12.39
LOCATION	L0000270	VOLUME	658230.277	4183775.027	12.34
LOCATION	L0000271	VOLUME	658218.962	4183783.272	12.25
LOCATION	L0000272	VOLUME	658207.647	4183791.516	12.14
LOCATION	L0000273	VOLUME	658196.332	4183799.761	12.06
LOCATION	L0000274	VOLUME	658185.017	4183808.005	11.98
LOCATION	L0000275	VOLUME	658173.702	4183816.250	11.89
LOCATION	L0000276	VOLUME	658162.388	4183824.495	11.81
LOCATION	L0000277	VOLUME	658151.073	4183832.739	11.72
LOCATION	L0000278	VOLUME	658139.760	4183840.986	11.66
LOCATION	L0000279	VOLUME	658128.451	4183849.239	11.60
LOCATION	L0000280	VOLUME	658117.142	4183857.492	11.56
LOCATION	L0000281	VOLUME	658105.833	4183865.744	11.49
LOCATION	L0000282	VOLUME	658094.523	4183873.997	11.46
LOCATION	L0000283	VOLUME	658083.214	4183882.249	11.46
LOCATION	L0000284	VOLUME	658071.905	4183890.502	11.44
LOCATION	L0000285	VOLUME	658060.592	4183898.748	11.42
LOCATION	L0000286	VOLUME	658049.225	4183906.921	11.39
LOCATION	L0000287	VOLUME	658037.857	4183915.093	11.36
LOCATION	L0000288	VOLUME	658026.490	4183923.265	11.37
LOCATION	L0000289	VOLUME	658015.123	4183931.437	11.38
LOCATION	L0000290	VOLUME	658003.755	4183939.609	11.36
LOCATION	L0000291	VOLUME	657992.388	4183947.781	11.36
LOCATION	L0000292	VOLUME	657981.021	4183955.954	11.37
LOCATION	L0000293	VOLUME	657969.653	4183964.126	11.39
LOCATION	L0000294	VOLUME	657958.307	4183972.324	11.40
LOCATION	L0000295	VOLUME	657947.835	4183981.616	11.46
LOCATION	L0000296	VOLUME	657937.363	4183990.908	11.48
LOCATION	L0000297	VOLUME	657926.891	4184000.200	11.46
LOCATION	L0000298	VOLUME	657916.795	4184009.857	11.50
LOCATION	L0000299	VOLUME	657907.815	4184020.597	11.51
LOCATION	L0000300	VOLUME	657898.836	4184031.338	11.51

LOCATION	L0000301	VOLUME	657889.802	4184042.031	11.52
LOCATION	L0000302	VOLUME	657880.250	4184052.266	11.47
LOCATION	L0000303	VOLUME	657870.697	4184062.501	11.45
LOCATION	L0000304	VOLUME	657861.145	4184072.736	11.46
LOCATION	L0000305	VOLUME	657850.283	4184081.526	11.45
LOCATION	L0000306	VOLUME	657839.159	4184090.025	11.43
LOCATION	L0000307	VOLUME	657828.034	4184098.525	11.45
LOCATION	L0000308	VOLUME	657816.910	4184107.025	11.50
LOCATION	L0000309	VOLUME	657805.652	4184115.342	11.40
LOCATION	L0000310	VOLUME	657794.180	4184123.367	11.41
LOCATION	L0000311	VOLUME	657782.708	4184131.391	11.46
LOCATION	L0000312	VOLUME	657771.236	4184139.416	11.50
LOCATION	L0000313	VOLUME	657759.764	4184147.440	11.42
LOCATION	L0000314	VOLUME	657748.292	4184155.465	11.45
LOCATION	L0000315	VOLUME	657736.820	4184163.489	11.55
LOCATION	L0000316	VOLUME	657725.348	4184171.513	11.51
LOCATION	L0000317	VOLUME	657713.876	4184179.538	11.51
LOCATION	L0000318	VOLUME	657702.404	4184187.562	11.60
LOCATION	L0000319	VOLUME	657690.931	4184195.587	11.78
LOCATION	L0000320	VOLUME	657679.459	4184203.611	11.82
LOCATION	L0000321	VOLUME	657667.987	4184211.636	11.83
LOCATION	L0000322	VOLUME	657656.515	4184219.660	11.81
LOCATION	L0000323	VOLUME	657645.043	4184227.685	11.83
LOCATION	L0000324	VOLUME	657633.571	4184235.709	11.83
LOCATION	L0000325	VOLUME	657622.099	4184243.734	11.84
LOCATION	L0000326	VOLUME	657610.627	4184251.758	11.86
LOCATION	L0000327	VOLUME	657599.155	4184259.783	11.89
LOCATION	L0000328	VOLUME	657587.721	4184267.861	11.87
LOCATION	L0000329	VOLUME	657576.306	4184275.966	11.87
LOCATION	L0000330	VOLUME	657564.890	4184284.071	11.91
LOCATION	L0000331	VOLUME	657553.475	4184292.176	11.93
LOCATION	L0000332	VOLUME	657542.060	4184300.281	11.93
LOCATION	L0000333	VOLUME	657530.644	4184308.386	11.94
LOCATION	L0000334	VOLUME	657519.229	4184316.491	11.94
LOCATION	L0000335	VOLUME	657507.814	4184324.595	11.93
LOCATION	L0000336	VOLUME	657496.398	4184332.700	11.91
LOCATION	L0000337	VOLUME	657484.983	4184340.805	11.90
LOCATION	L0000338	VOLUME	657473.567	4184348.910	11.90
LOCATION	L0000339	VOLUME	657462.152	4184357.015	11.89
LOCATION	L0000340	VOLUME	657450.737	4184365.120	11.87
LOCATION	L0000341	VOLUME	657439.321	4184373.225	11.88
LOCATION	L0000342	VOLUME	657427.906	4184381.330	11.90
LOCATION	L0000343	VOLUME	657416.491	4184389.435	11.88
LOCATION	L0000344	VOLUME	657405.075	4184397.540	11.86
LOCATION	L0000345	VOLUME	657393.660	4184405.645	11.85
LOCATION	L0000346	VOLUME	657382.245	4184413.749	11.80
LOCATION	L0000347	VOLUME	657370.829	4184421.854	11.78
LOCATION	L0000348	VOLUME	657359.414	4184429.959	11.77
LOCATION	L0000349	VOLUME	657347.998	4184438.064	11.75
LOCATION	L0000350	VOLUME	657336.583	4184446.169	11.74
LOCATION	L0000351	VOLUME	657325.168	4184454.274	11.70
LOCATION	L0000352	VOLUME	657313.787	4184462.427	11.65
LOCATION	L0000353	VOLUME	657302.483	4184470.686	11.64
LOCATION	L0000354	VOLUME	657291.179	4184478.945	11.61
LOCATION	L0000355	VOLUME	657279.874	4184487.205	11.56
LOCATION	L0000356	VOLUME	657268.570	4184495.464	11.51
LOCATION	L0000357	VOLUME	657257.266	4184503.724	11.46
LOCATION	L0000358	VOLUME	657245.962	4184511.983	11.41
LOCATION	L0000359	VOLUME	657234.658	4184520.242	11.36
LOCATION	L0000360	VOLUME	657223.354	4184528.502	11.32
LOCATION	L0000361	VOLUME	657212.050	4184536.761	11.27
LOCATION	L0000362	VOLUME	657200.746	4184545.021	11.22
LOCATION	L0000363	VOLUME	657189.442	4184553.280	11.19
LOCATION	L0000364	VOLUME	657178.138	4184561.540	11.16
LOCATION	L0000365	VOLUME	657166.834	4184569.799	11.15
LOCATION	L0000366	VOLUME	657155.530	4184578.058	11.16

LOCATION	L0000367	VOLUME	657144.226	4184586.318	11.20
LOCATION	L0000368	VOLUME	657132.922	4184594.577	11.24
LOCATION	L0000369	VOLUME	657121.597	4184602.808	11.25
LOCATION	L0000370	VOLUME	657110.145	4184610.861	11.20
LOCATION	L0000371	VOLUME	657098.692	4184618.913	11.13
LOCATION	L0000372	VOLUME	657087.201	4184626.896	11.06
LOCATION	L0000373	VOLUME	657074.386	4184632.535	11.01
LOCATION	L0000374	VOLUME	657061.572	4184638.173	10.99

\*\* End of LINE VOLUME Source ID = SLINE4

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\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE5

\*\* DESCRSRC Mofatt E 23.92%

\*\* PREFIX

\*\* Length of Side = 14.00

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.00003777

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 9

**	658479.281,	4183595.059,	12.57,	3.49,	6.51
**	658616.498,	4183498.069,	13.21,	3.49,	6.51
**	658728.543,	4183417.367,	13.72,	3.49,	6.51
**	658759.639,	4183394.168,	13.72,	3.49,	6.51
**	658815.088,	4183346.671,	13.74,	3.49,	6.51
**	658970.832,	4183226.264,	14.14,	3.49,	6.51
**	659233.242,	4183042.381,	14.38,	3.49,	6.51
**	660349.854,	4182246.236,	15.56,	3.49,	6.51
**	660339.529,	4182671.036,	14.66,	3.49,	6.51

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LOCATION	L0000375	VOLUME	658484.997	4183591.018	12.60
LOCATION	L0000376	VOLUME	658496.429	4183582.938	12.69
LOCATION	L0000377	VOLUME	658507.862	4183574.857	12.76
LOCATION	L0000378	VOLUME	658519.294	4183566.776	12.82
LOCATION	L0000379	VOLUME	658530.727	4183558.695	12.88
LOCATION	L0000380	VOLUME	658542.159	4183550.614	12.88
LOCATION	L0000381	VOLUME	658553.592	4183542.533	12.89
LOCATION	L0000382	VOLUME	658565.024	4183534.453	12.99
LOCATION	L0000383	VOLUME	658576.456	4183526.372	13.01
LOCATION	L0000384	VOLUME	658587.889	4183518.291	13.05
LOCATION	L0000385	VOLUME	658599.321	4183510.210	13.13
LOCATION	L0000386	VOLUME	658610.754	4183502.129	13.24
LOCATION	L0000387	VOLUME	658622.150	4183493.998	13.22
LOCATION	L0000388	VOLUME	658633.510	4183485.816	13.28
LOCATION	L0000389	VOLUME	658644.870	4183477.633	13.42
LOCATION	L0000390	VOLUME	658656.230	4183469.451	13.50
LOCATION	L0000391	VOLUME	658667.590	4183461.269	13.48
LOCATION	L0000392	VOLUME	658678.950	4183453.087	13.50
LOCATION	L0000393	VOLUME	658690.310	4183444.905	13.61
LOCATION	L0000394	VOLUME	658701.670	4183436.722	13.58
LOCATION	L0000395	VOLUME	658713.031	4183428.540	13.59
LOCATION	L0000396	VOLUME	658724.391	4183420.358	13.63
LOCATION	L0000397	VOLUME	658735.663	4183412.055	13.78
LOCATION	L0000398	VOLUME	658746.884	4183403.684	13.69
LOCATION	L0000399	VOLUME	658758.105	4183395.313	13.70
LOCATION	L0000400	VOLUME	658768.818	4183386.305	13.77
LOCATION	L0000401	VOLUME	658779.451	4183377.198	13.74
LOCATION	L0000402	VOLUME	658790.083	4183368.090	13.63
LOCATION	L0000403	VOLUME	658800.716	4183358.982	13.65
LOCATION	L0000404	VOLUME	658811.348	4183349.875	13.75
LOCATION	L0000405	VOLUME	658822.268	4183341.120	13.73
LOCATION	L0000406	VOLUME	658833.344	4183332.557	13.77
LOCATION	L0000407	VOLUME	658844.420	4183323.994	13.89
LOCATION	L0000408	VOLUME	658855.496	4183315.431	13.97
LOCATION	L0000409	VOLUME	658866.572	4183306.868	13.97
LOCATION	L0000410	VOLUME	658877.648	4183298.306	14.01

LOCATION	L0000411	VOLUME	658888.724	4183289.743	14.45
LOCATION	L0000412	VOLUME	658899.800	4183281.180	15.16
LOCATION	L0000413	VOLUME	658910.876	4183272.617	15.24
LOCATION	L0000414	VOLUME	658921.952	4183264.054	15.25
LOCATION	L0000415	VOLUME	658933.028	4183255.491	15.46
LOCATION	L0000416	VOLUME	658944.104	4183246.928	15.39
LOCATION	L0000417	VOLUME	658955.180	4183238.365	14.78
LOCATION	L0000418	VOLUME	658966.255	4183229.802	14.11
LOCATION	L0000419	VOLUME	658977.560	4183221.550	14.10
LOCATION	L0000420	VOLUME	658989.025	4183213.515	14.12
LOCATION	L0000421	VOLUME	659000.490	4183205.481	14.13
LOCATION	L0000422	VOLUME	659011.955	4183197.447	14.13
LOCATION	L0000423	VOLUME	659023.421	4183189.413	14.14
LOCATION	L0000424	VOLUME	659034.886	4183181.378	14.17
LOCATION	L0000425	VOLUME	659046.351	4183173.344	14.16
LOCATION	L0000426	VOLUME	659057.816	4183165.310	14.14
LOCATION	L0000427	VOLUME	659069.282	4183157.276	14.17
LOCATION	L0000428	VOLUME	659080.747	4183149.242	14.20
LOCATION	L0000429	VOLUME	659092.212	4183141.207	14.20
LOCATION	L0000430	VOLUME	659103.677	4183133.173	14.20
LOCATION	L0000431	VOLUME	659115.142	4183125.139	14.22
LOCATION	L0000432	VOLUME	659126.608	4183117.105	14.26
LOCATION	L0000433	VOLUME	659138.073	4183109.070	14.29
LOCATION	L0000434	VOLUME	659149.538	4183101.036	14.28
LOCATION	L0000435	VOLUME	659161.003	4183093.002	14.30
LOCATION	L0000436	VOLUME	659172.468	4183084.968	14.34
LOCATION	L0000437	VOLUME	659183.934	4183076.933	14.37
LOCATION	L0000438	VOLUME	659195.399	4183068.899	14.35
LOCATION	L0000439	VOLUME	659206.864	4183060.865	14.37
LOCATION	L0000440	VOLUME	659218.329	4183052.831	14.40
LOCATION	L0000441	VOLUME	659229.795	4183044.797	14.39
LOCATION	L0000442	VOLUME	659241.214	4183036.697	14.39
LOCATION	L0000443	VOLUME	659252.613	4183028.569	14.43
LOCATION	L0000444	VOLUME	659264.012	4183020.442	14.46
LOCATION	L0000445	VOLUME	659275.411	4183012.314	14.46
LOCATION	L0000446	VOLUME	659286.810	4183004.186	14.49
LOCATION	L0000447	VOLUME	659298.210	4182996.059	14.56
LOCATION	L0000448	VOLUME	659309.609	4182987.931	14.58
LOCATION	L0000449	VOLUME	659321.008	4182979.804	14.54
LOCATION	L0000450	VOLUME	659332.407	4182971.676	14.60
LOCATION	L0000451	VOLUME	659343.806	4182963.548	14.71
LOCATION	L0000452	VOLUME	659355.206	4182955.421	14.74
LOCATION	L0000453	VOLUME	659366.605	4182947.293	14.77
LOCATION	L0000454	VOLUME	659378.004	4182939.165	14.93
LOCATION	L0000455	VOLUME	659389.403	4182931.038	15.07
LOCATION	L0000456	VOLUME	659400.802	4182922.910	15.07
LOCATION	L0000457	VOLUME	659412.202	4182914.783	15.09
LOCATION	L0000458	VOLUME	659423.601	4182906.655	15.25
LOCATION	L0000459	VOLUME	659435.000	4182898.527	15.37
LOCATION	L0000460	VOLUME	659446.399	4182890.400	15.37
LOCATION	L0000461	VOLUME	659457.798	4182882.272	15.50
LOCATION	L0000462	VOLUME	659469.198	4182874.144	15.68
LOCATION	L0000463	VOLUME	659480.597	4182866.017	15.63
LOCATION	L0000464	VOLUME	659491.996	4182857.889	15.54
LOCATION	L0000465	VOLUME	659503.395	4182849.761	15.61
LOCATION	L0000466	VOLUME	659514.794	4182841.634	15.49
LOCATION	L0000467	VOLUME	659526.193	4182833.506	15.26
LOCATION	L0000468	VOLUME	659537.593	4182825.379	14.94
LOCATION	L0000469	VOLUME	659548.992	4182817.251	14.80
LOCATION	L0000470	VOLUME	659560.391	4182809.123	14.72
LOCATION	L0000471	VOLUME	659571.790	4182800.996	14.56
LOCATION	L0000472	VOLUME	659583.189	4182792.868	14.60
LOCATION	L0000473	VOLUME	659594.589	4182784.740	14.74
LOCATION	L0000474	VOLUME	659605.988	4182776.613	14.70
LOCATION	L0000475	VOLUME	659617.387	4182768.485	14.64
LOCATION	L0000476	VOLUME	659628.786	4182760.358	14.56

LOCATION	L0000477	VOLUME	659640.185	4182752.230	14.27
LOCATION	L0000478	VOLUME	659651.585	4182744.102	14.13
LOCATION	L0000479	VOLUME	659662.984	4182735.975	14.09
LOCATION	L0000480	VOLUME	659674.383	4182727.847	14.10
LOCATION	L0000481	VOLUME	659685.782	4182719.719	14.09
LOCATION	L0000482	VOLUME	659697.181	4182711.592	14.03
LOCATION	L0000483	VOLUME	659708.581	4182703.464	14.02
LOCATION	L0000484	VOLUME	659719.980	4182695.337	14.01
LOCATION	L0000485	VOLUME	659731.379	4182687.209	13.97
LOCATION	L0000486	VOLUME	659742.778	4182679.081	13.93
LOCATION	L0000487	VOLUME	659754.177	4182670.954	13.91
LOCATION	L0000488	VOLUME	659765.577	4182662.826	13.93
LOCATION	L0000489	VOLUME	659776.976	4182654.698	13.92
LOCATION	L0000490	VOLUME	659788.375	4182646.571	13.93
LOCATION	L0000491	VOLUME	659799.774	4182638.443	13.94
LOCATION	L0000492	VOLUME	659811.173	4182630.315	13.95
LOCATION	L0000493	VOLUME	659822.573	4182622.188	13.94
LOCATION	L0000494	VOLUME	659833.972	4182614.060	13.91
LOCATION	L0000495	VOLUME	659845.371	4182605.933	13.90
LOCATION	L0000496	VOLUME	659856.770	4182597.805	13.91
LOCATION	L0000497	VOLUME	659868.169	4182589.677	13.94
LOCATION	L0000498	VOLUME	659879.568	4182581.550	13.93
LOCATION	L0000499	VOLUME	659890.968	4182573.422	13.89
LOCATION	L000500	VOLUME	659902.367	4182565.294	13.91
LOCATION	L000501	VOLUME	659913.766	4182557.167	13.89
LOCATION	L000502	VOLUME	659925.165	4182549.039	13.90
LOCATION	L000503	VOLUME	659936.564	4182540.912	13.92
LOCATION	L000504	VOLUME	659947.964	4182532.784	13.92
LOCATION	L000505	VOLUME	659959.363	4182524.656	13.94
LOCATION	L000506	VOLUME	659970.762	4182516.529	13.97
LOCATION	L000507	VOLUME	659982.161	4182508.401	14.07
LOCATION	L000508	VOLUME	659993.560	4182500.273	14.15
LOCATION	L000509	VOLUME	660004.960	4182492.146	14.18
LOCATION	L000510	VOLUME	660016.359	4182484.018	14.15
LOCATION	L000511	VOLUME	660027.758	4182475.890	14.09
LOCATION	L000512	VOLUME	660039.157	4182467.763	14.13
LOCATION	L000513	VOLUME	660050.556	4182459.635	14.11
LOCATION	L000514	VOLUME	660061.956	4182451.508	14.11
LOCATION	L000515	VOLUME	660073.355	4182443.380	14.16
LOCATION	L000516	VOLUME	660084.754	4182435.252	14.19
LOCATION	L000517	VOLUME	660096.153	4182427.125	14.19
LOCATION	L000518	VOLUME	660107.552	4182418.997	14.21
LOCATION	L000519	VOLUME	660118.952	4182410.869	14.26
LOCATION	L000520	VOLUME	660130.351	4182402.742	14.29
LOCATION	L000521	VOLUME	660141.750	4182394.614	14.31
LOCATION	L000522	VOLUME	660153.149	4182386.487	14.32
LOCATION	L000523	VOLUME	660164.548	4182378.359	14.34
LOCATION	L000524	VOLUME	660175.948	4182370.231	14.33
LOCATION	L000525	VOLUME	660187.347	4182362.104	14.23
LOCATION	L000526	VOLUME	660198.746	4182353.976	14.20
LOCATION	L000527	VOLUME	660210.145	4182345.848	14.10
LOCATION	L000528	VOLUME	660221.544	4182337.721	14.16
LOCATION	L000529	VOLUME	660232.944	4182329.593	14.28
LOCATION	L000530	VOLUME	660244.343	4182321.466	14.27
LOCATION	L000531	VOLUME	660255.742	4182313.338	14.15
LOCATION	L000532	VOLUME	660267.141	4182305.210	14.12
LOCATION	L000533	VOLUME	660278.540	4182297.083	14.07
LOCATION	L000534	VOLUME	660289.939	4182288.955	13.96
LOCATION	L000535	VOLUME	660301.339	4182280.827	14.09
LOCATION	L000536	VOLUME	660312.738	4182272.700	14.37
LOCATION	L000537	VOLUME	660324.137	4182264.572	14.38
LOCATION	L000538	VOLUME	660335.536	4182256.444	15.02
LOCATION	L000539	VOLUME	660346.935	4182248.317	15.52
LOCATION	L000540	VOLUME	660349.600	4182256.649	15.69
LOCATION	L000541	VOLUME	660349.260	4182270.645	15.81
LOCATION	L000542	VOLUME	660348.920	4182284.641	15.94

LOCATION	VOLUME				
L0000543	660348.580	4182298.637	16.08		
L0000544	660348.240	4182312.633	15.96		
L0000545	660347.900	4182326.629	15.67		
L0000546	660347.559	4182340.624	15.34		
L0000547	660347.219	4182354.620	14.96		
L0000548	660346.879	4182368.616	14.74		
L0000549	660346.539	4182382.612	15.21		
L0000550	660346.199	4182396.608	15.68		
L0000551	660345.859	4182410.604	16.25		
L0000552	660345.518	4182424.600	16.83		
L0000553	660345.178	4182438.596	16.62		
L0000554	660344.838	4182452.591	16.21		
L0000555	660344.498	4182466.587	15.97		
L0000556	660344.158	4182480.583	15.84		
L0000557	660343.817	4182494.579	15.69		
L0000558	660343.477	4182508.575	15.51		
L0000559	660343.137	4182522.571	15.29		
L0000560	660342.797	4182536.567	14.89		
L0000561	660342.457	4182550.562	14.49		
L0000562	660342.117	4182564.558	14.40		
L0000563	660341.776	4182578.554	14.32		
L0000564	660341.436	4182592.550	14.29		
L0000565	660341.096	4182606.546	14.28		
L0000566	660340.756	4182620.542	14.33		
L0000567	660340.416	4182634.538	14.40		
L0000568	660340.076	4182648.534	14.49		
L0000569	660339.735	4182662.529	14.58		

\*\* End of LINE VOLUME Source ID = SLINE5

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\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE6

\*\* DESCRSRC Spreckels N 28.89%

\*\* PREFIX

\*\* Length of Side = 14.00

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.00001102

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 10

\*\* 658772.612, 4184225.561, 13.02, 3.49, 6.51

\*\* 658768.776, 4184260.085, 12.95, 3.49, 6.51

\*\* 658753.432, 4184316.666, 13.13, 3.49, 6.51

\*\* 658716.030, 4184401.059, 12.64, 3.49, 6.51

\*\* 658689.658, 4184454.764, 12.75, 3.49, 6.51

\*\* 658671.916, 4184511.345, 12.75, 3.49, 6.51

\*\* 658660.408, 4184564.091, 12.47, 3.49, 6.51

\*\* 658658.010, 4184589.504, 12.49, 3.49, 6.51

\*\* 658649.859, 4184721.368, 12.35, 3.49, 6.51

\*\* 658639.310, 4184864.261, 13.14, 3.49, 6.51

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LOCATION	VOLUME				
L0000570	658771.839	4184232.518	12.95		
L0000571	658770.293	4184246.432	12.93		
L0000572	658768.707	4184260.339	12.90		
L0000573	658765.043	4184273.851	12.94		
L0000574	658761.379	4184287.363	13.00		
L0000575	658757.714	4184300.875	13.04		
L0000576	658754.050	4184314.387	13.07		
L0000577	658748.716	4184327.306	13.04		
L0000578	658743.044	4184340.106	12.90		
L0000579	658737.371	4184352.905	12.93		
L0000580	658731.699	4184365.704	12.91		
L0000581	658726.027	4184378.504	12.88		
L0000582	658720.354	4184391.303	12.77		
L0000583	658714.563	4184404.047	12.67		
L0000584	658708.392	4184416.614	12.72		
L0000585	658702.221	4184429.180	12.73		

LOCATION	VOLUME				
L0000586	658696.050	4184441.747	12.75		
L0000587	658689.879	4184454.313	12.73		
L0000588	658685.619	4184467.644	12.78		
L0000589	658681.430	4184481.002	12.83		
L0000590	658677.242	4184494.361	12.85		
L0000591	658673.053	4184507.720	12.81		
L0000592	658669.742	4184521.311	12.74		
L0000593	658666.757	4184534.989	12.62		
L0000594	658663.773	4184548.668	12.48		
L0000595	658660.789	4184562.346	12.44		
L0000596	658659.261	4184576.251	12.46		
L0000597	658657.968	4184590.191	12.47		
L0000598	658657.104	4184604.164	12.46		
L0000599	658656.240	4184618.137	12.45		
L0000600	658655.377	4184632.111	12.44		
L0000601	658654.513	4184646.084	12.44		
L0000602	658653.649	4184660.057	12.38		
L0000603	658652.785	4184674.030	12.30		
L0000604	658651.921	4184688.004	12.29		
L0000605	658651.058	4184701.977	12.29		
L0000606	658650.194	4184715.950	12.35		
L0000607	658649.228	4184729.917	12.44		
L0000608	658648.197	4184743.879	12.54		
L0000609	658647.166	4184757.841	12.62		
L0000610	658646.135	4184771.803	12.70		
L0000611	658645.105	4184785.765	12.71		
L0000612	658644.074	4184799.727	12.73		
L0000613	658643.043	4184813.689	12.84		
L0000614	658642.012	4184827.651	12.95		
L0000615	658640.982	4184841.613	13.04		
L0000616	658639.951	4184855.575	13.12		

\*\* End of LINE VOLUME Source ID = SLINE6

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\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE7

\*\* DESCRSRC Yosemite W 3.4%

\*\* PREFIX

\*\* Length of Side = 14.00

\*\* Configuration = Adjacent

\*\* Emission Rate = 3.156E-06

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 6

\*\* 658639.573, 4184872.135, 13.12, 3.49, 6.51

\*\* 658211.310, 4184859.764, 12.14, 3.49, 6.51

\*\* 658112.344, 4184857.408, 11.88, 3.49, 6.51

\*\* 657441.059, 4184844.749, 12.21, 3.49, 6.51

\*\* 657113.526, 4184837.183, 11.71, 3.49, 6.51

\*\* 657034.187, 4184834.555, 11.56, 3.49, 6.51

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L0000617	658632.575	4184871.932	13.12		
L0000618	658618.581	4184871.528	13.05		
L0000619	658604.587	4184871.124	12.96		
L0000620	658590.593	4184870.720	12.83		
L0000621	658576.599	4184870.316	12.71		
L0000622	658562.605	4184869.911	12.60		
L0000623	658548.610	4184869.507	12.47		
L0000624	658534.616	4184869.103	12.36		
L0000625	658520.622	4184868.699	12.33		
L0000626	658506.628	4184868.294	12.29		
L0000627	658492.634	4184867.890	12.22		
L0000628	658478.640	4184867.486	12.15		
L0000629	658464.646	4184867.082	12.08		
L0000630	658450.651	4184866.677	12.10		
L0000631	658436.657	4184866.273	12.12		
L0000632	658422.663	4184865.869	12.12		



LOCATION	L0000633	VOLUME	658408.669	4184865.465	12.11
LOCATION	L0000634	VOLUME	658394.675	4184865.061	12.08
LOCATION	L0000635	VOLUME	658380.681	4184864.656	12.08
LOCATION	L0000636	VOLUME	658366.686	4184864.252	12.10
LOCATION	L0000637	VOLUME	658352.692	4184863.848	12.09
LOCATION	L0000638	VOLUME	658338.698	4184863.444	12.08
LOCATION	L0000639	VOLUME	658324.704	4184863.039	12.06
LOCATION	L0000640	VOLUME	658310.710	4184862.635	12.02
LOCATION	L0000641	VOLUME	658296.716	4184862.231	11.98
LOCATION	L0000642	VOLUME	658282.721	4184861.827	11.99
LOCATION	L0000643	VOLUME	658268.727	4184861.422	12.03
LOCATION	L0000644	VOLUME	658254.733	4184861.018	12.10
LOCATION	L0000645	VOLUME	658240.739	4184860.614	12.16
LOCATION	L0000646	VOLUME	658226.745	4184860.210	12.16
LOCATION	L0000647	VOLUME	658212.751	4184859.806	12.16
LOCATION	L0000648	VOLUME	658198.755	4184859.465	12.16
LOCATION	L0000649	VOLUME	658184.759	4184859.132	12.15
LOCATION	L0000650	VOLUME	658170.763	4184858.798	12.14
LOCATION	L0000651	VOLUME	658156.767	4184858.465	12.06
LOCATION	L0000652	VOLUME	658142.771	4184858.132	11.97
LOCATION	L0000653	VOLUME	658128.775	4184857.799	11.90
LOCATION	L0000654	VOLUME	658114.779	4184857.466	11.85
LOCATION	L0000655	VOLUME	658100.781	4184857.190	11.84
LOCATION	L0000656	VOLUME	658086.784	4184856.926	11.86
LOCATION	L0000657	VOLUME	658072.786	4184856.662	11.88
LOCATION	L0000658	VOLUME	658058.789	4184856.398	11.93
LOCATION	L0000659	VOLUME	658044.791	4184856.134	11.98
LOCATION	L0000660	VOLUME	658030.794	4184855.870	12.06
LOCATION	L0000661	VOLUME	658016.796	4184855.606	12.12
LOCATION	L0000662	VOLUME	658002.799	4184855.342	12.14
LOCATION	L0000663	VOLUME	657988.801	4184855.078	12.14
LOCATION	L0000664	VOLUME	657974.804	4184854.814	12.14
LOCATION	L0000665	VOLUME	657960.806	4184854.550	12.15
LOCATION	L0000666	VOLUME	657946.809	4184854.286	12.15
LOCATION	L0000667	VOLUME	657932.811	4184854.022	12.14
LOCATION	L0000668	VOLUME	657918.814	4184853.758	12.12
LOCATION	L0000669	VOLUME	657904.816	4184853.494	12.09
LOCATION	L0000670	VOLUME	657890.819	4184853.230	12.04
LOCATION	L0000671	VOLUME	657876.821	4184852.966	11.97
LOCATION	L0000672	VOLUME	657862.824	4184852.702	11.94
LOCATION	L0000673	VOLUME	657848.826	4184852.438	11.92
LOCATION	L0000674	VOLUME	657834.829	4184852.175	11.88
LOCATION	L0000675	VOLUME	657820.831	4184851.911	11.82
LOCATION	L0000676	VOLUME	657806.834	4184851.647	11.75
LOCATION	L0000677	VOLUME	657792.836	4184851.383	11.69
LOCATION	L0000678	VOLUME	657778.839	4184851.119	11.63
LOCATION	L0000679	VOLUME	657764.841	4184850.855	11.63
LOCATION	L0000680	VOLUME	657750.843	4184850.591	11.64
LOCATION	L0000681	VOLUME	657736.846	4184850.327	11.69
LOCATION	L0000682	VOLUME	657722.848	4184850.063	11.77
LOCATION	L0000683	VOLUME	657708.851	4184849.799	11.87
LOCATION	L0000684	VOLUME	657694.853	4184849.535	12.00
LOCATION	L0000685	VOLUME	657680.856	4184849.271	12.14
LOCATION	L0000686	VOLUME	657666.858	4184849.007	12.29
LOCATION	L0000687	VOLUME	657652.861	4184848.743	12.43
LOCATION	L0000688	VOLUME	657638.863	4184848.479	12.54
LOCATION	L0000689	VOLUME	657624.866	4184848.215	12.63
LOCATION	L0000690	VOLUME	657610.868	4184847.951	12.70
LOCATION	L0000691	VOLUME	657596.871	4184847.687	12.72
LOCATION	L0000692	VOLUME	657582.873	4184847.423	12.73
LOCATION	L0000693	VOLUME	657568.876	4184847.160	12.63
LOCATION	L0000694	VOLUME	657554.878	4184846.896	12.53
LOCATION	L0000695	VOLUME	657540.881	4184846.632	12.47
LOCATION	L0000696	VOLUME	657526.883	4184846.368	12.41
LOCATION	L0000697	VOLUME	657512.886	4184846.104	12.36
LOCATION	L0000698	VOLUME	657498.888	4184845.840	12.32

LOCATION	VOLUME				
L0000699	657484.891	4184845.576	12.28		
L0000700	657470.893	4184845.312	12.25		
L0000701	657456.896	4184845.048	12.23		
L0000702	657442.898	4184844.784	12.22		
L0000703	657428.902	4184844.468	12.19		
L0000704	657414.906	4184844.145	12.16		
L0000705	657400.909	4184843.822	12.16		
L0000706	657386.913	4184843.498	12.16		
L0000707	657372.917	4184843.175	12.07		
L0000708	657358.920	4184842.852	11.99		
L0000709	657344.924	4184842.528	11.96		
L0000710	657330.928	4184842.205	11.94		
L0000711	657316.932	4184841.882	11.93		
L0000712	657302.935	4184841.558	11.92		
L0000713	657288.939	4184841.235	11.90		
L0000714	657274.943	4184840.912	11.89		
L0000715	657260.947	4184840.588	11.88		
L0000716	657246.950	4184840.265	11.86		
L0000717	657232.954	4184839.942	11.85		
L0000718	657218.958	4184839.618	11.83		
L0000719	657204.962	4184839.295	11.81		
L0000720	657190.965	4184838.972	11.79		
L0000721	657176.969	4184838.648	11.78		
L0000722	657162.973	4184838.325	11.76		
L0000723	657148.977	4184838.002	11.75		
L0000724	657134.980	4184837.678	11.73		
L0000725	657120.984	4184837.355	11.72		
L0000726	657106.990	4184836.966	11.70		
L0000727	657092.997	4184836.503	11.67		
L0000728	657079.005	4184836.039	11.65		
L0000729	657065.013	4184835.576	11.63		
L0000730	657051.020	4184835.113	11.59		
L0000731	657037.028	4184834.649	11.56		

\*\* End of LINE VOLUME Source ID = SLINE7

\*\* -----

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE8

\*\* DESCRSRC Yosemite E 24.22%

\*\* PREFIX

\*\* Length of Side = 14.00

\*\* Configuration = Adjacent

\*\* Emission Rate = 9.651E-06

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 4

\*\* 658644.130, 4184872.122, 13.12, 3.49, 6.51

\*\* 659056.505, 4184880.713, 13.12, 3.49, 6.51

\*\* 659238.481, 4184890.866, 14.89, 3.49, 6.51

\*\* 659332.984, 4184893.990, 13.61, 3.49, 6.51

\*\* -----

L0000732	658651.128	4184872.267	13.11		
L0000733	658665.125	4184872.559	13.11		
L0000734	658679.122	4184872.851	13.14		
L0000735	658693.119	4184873.142	13.12		
L0000736	658707.116	4184873.434	13.08		
L0000737	658721.113	4184873.725	13.07		
L0000738	658735.110	4184874.017	13.07		
L0000739	658749.107	4184874.309	13.06		
L0000740	658763.104	4184874.600	13.06		
L0000741	658777.101	4184874.892	13.05		
L0000742	658791.098	4184875.183	13.00		
L0000743	658805.095	4184875.475	12.92		
L0000744	658819.092	4184875.767	12.84		
L0000745	658833.089	4184876.058	12.77		
L0000746	658847.086	4184876.350	12.78		
L0000747	658861.083	4184876.641	12.79		

LOCATION	VOLUME				
L0000748	658875.080	4184876.933	12.82		
L0000749	658889.076	4184877.225	12.89		
L0000750	658903.073	4184877.516	12.98		
L0000751	658917.070	4184877.808	13.04		
L0000752	658931.067	4184878.099	13.08		
L0000753	658945.064	4184878.391	13.08		
L0000754	658959.061	4184878.683	13.08		
L0000755	658973.058	4184878.974	13.08		
L0000756	658987.055	4184879.266	13.12		
L0000757	659001.052	4184879.557	13.16		
L0000758	659015.049	4184879.849	13.14		
L0000759	659029.046	4184880.141	13.12		
L0000760	659043.043	4184880.432	13.11		
L0000761	659057.039	4184880.742	13.14		
L0000762	659071.018	4184881.522	13.19		
L0000763	659084.996	4184882.302	13.23		
L0000764	659098.974	4184883.082	13.26		
L0000765	659112.952	4184883.862	13.31		
L0000766	659126.931	4184884.642	13.37		
L0000767	659140.909	4184885.422	13.43		
L0000768	659154.887	4184886.202	13.47		
L0000769	659168.865	4184886.982	13.51		
L0000770	659182.844	4184887.762	13.44		
L0000771	659196.822	4184888.542	13.34		
L0000772	659210.800	4184889.321	13.61		
L0000773	659224.778	4184890.101	13.97		
L0000774	659238.757	4184890.875	14.61		
L0000775	659252.749	4184891.338	14.74		
L0000776	659266.742	4184891.800	14.38		
L0000777	659280.734	4184892.263	13.88		
L0000778	659294.726	4184892.725	13.33		
L0000779	659308.719	4184893.188	13.45		
L0000780	659322.711	4184893.650	13.54		

\*\* End of LINE VOLUME Source ID = SLINE8

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE9

\*\* DESCRSRC Spreckels N 1.27%

\*\* PREFIX

\*\* Length of Side = 8.59

\*\* Configuration = Adjacent

\*\* Emission Rate = 2.88E-07

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 4

\*\* 658638.947, 4184879.523, 13.10, 3.49, 4.00

\*\* 658625.429, 4185063.914, 12.73, 3.49, 4.00

\*\* 658618.497, 4185164.427, 12.90, 3.49, 4.00

\*\* 658612.567, 4185270.924, 13.09, 3.49, 4.00

\*\*

L0000781	658638.633	4184883.806	13.09		
L0000782	658638.005	4184892.373	13.07		
L0000783	658637.377	4184900.940	13.05		
L0000784	658636.749	4184909.508	13.02		
L0000785	658636.121	4184918.075	13.00		
L0000786	658635.493	4184926.642	12.96		
L0000787	658634.865	4184935.209	12.89		
L0000788	658634.237	4184943.776	12.82		
L0000789	658633.609	4184952.343	12.75		
L0000790	658632.981	4184960.910	12.71		
L0000791	658632.352	4184969.477	12.67		
L0000792	658631.724	4184978.044	12.63		
L0000793	658631.096	4184986.611	12.61		
L0000794	658630.468	4184995.178	12.64		
L0000795	658629.840	4185003.745	12.67		
L0000796	658629.212	4185012.312	12.69		

LOCATION	VOLUME				
LOCATION L0000797	VOLUME	658628.584	4185020.879	12.71	
LOCATION L0000798	VOLUME	658627.956	4185029.446	12.73	
LOCATION L0000799	VOLUME	658627.328	4185038.013	12.74	
LOCATION L0000800	VOLUME	658626.700	4185046.580	12.75	
LOCATION L0000801	VOLUME	658626.072	4185055.147	12.73	
LOCATION L0000802	VOLUME	658625.444	4185063.714	12.71	
LOCATION L0000803	VOLUME	658624.852	4185072.283	12.68	
LOCATION L0000804	VOLUME	658624.261	4185080.853	12.69	
LOCATION L0000805	VOLUME	658623.670	4185089.423	12.72	
LOCATION L0000806	VOLUME	658623.079	4185097.992	12.75	
LOCATION L0000807	VOLUME	658622.488	4185106.562	12.79	
LOCATION L0000808	VOLUME	658621.897	4185115.132	12.81	
LOCATION L0000809	VOLUME	658621.306	4185123.701	12.82	
LOCATION L0000810	VOLUME	658620.715	4185132.271	12.84	
LOCATION L0000811	VOLUME	658620.124	4185140.840	12.86	
LOCATION L0000812	VOLUME	658619.533	4185149.410	12.88	
LOCATION L0000813	VOLUME	658618.942	4185157.980	12.90	
LOCATION L0000814	VOLUME	658618.379	4185166.551	12.93	
LOCATION L0000815	VOLUME	658617.902	4185175.128	12.95	
LOCATION L0000816	VOLUME	658617.424	4185183.705	12.97	
LOCATION L0000817	VOLUME	658616.946	4185192.281	12.99	
LOCATION L0000818	VOLUME	658616.469	4185200.858	13.01	
LOCATION L0000819	VOLUME	658615.991	4185209.435	13.03	
LOCATION L0000820	VOLUME	658615.513	4185218.011	13.05	
LOCATION L0000821	VOLUME	658615.036	4185226.588	13.07	
LOCATION L0000822	VOLUME	658614.558	4185235.165	13.07	
LOCATION L0000823	VOLUME	658614.081	4185243.742	13.07	
LOCATION L0000824	VOLUME	658613.603	4185252.318	13.06	
LOCATION L0000825	VOLUME	658613.125	4185260.895	13.05	
LOCATION L0000826	VOLUME	658612.648	4185269.472	13.08	

\*\* End of LINE VOLUME Source ID = SLINE9

\*\* Source Parameters \*\*

SRCPARAM IDLE1	8.4776E-07	3.840	366.000	51.71	0.1
SRCPARAM IDLE2	8.4776E-07	3.840	366.000	51.71	0.1
SRCPARAM IDLE3	8.4776E-07	3.840	366.000	51.71	0.1
SRCPARAM IDLE4	8.4776E-07	3.840	366.000	51.71	0.1
SRCPARAM IDLE5	8.4776E-07	3.840	366.000	51.71	0.1
SRCPARAM IDLE6	8.4776E-07	3.840	366.000	51.71	0.1
SRCPARAM IDLE7	8.4776E-07	3.840	366.000	51.71	0.1
SRCPARAM IDLE8	8.4776E-07	3.840	366.000	51.71	0.1
SRCPARAM IDLE9	8.4776E-07	3.840	366.000	51.71	0.1
SRCPARAM IDLE10	8.4776E-07	3.840	366.000	51.71	0.1
SRCPARAM IDLE11	8.4776E-07	3.840	366.000	51.71	0.1
SRCPARAM IDLE12	8.4776E-07	3.840	366.000	51.71	0.1
SRCPARAM IDLE13	8.4776E-07	3.840	366.000	51.71	0.1
SRCPARAM IDLE14	8.4776E-07	3.840	366.000	51.71	0.1
SRCPARAM IDLE15	8.4776E-07	3.840	366.000	51.71	0.1
SRCPARAM IDLE16	8.4776E-07	3.840	366.000	51.71	0.1
SRCPARAM IDLE17	8.4776E-07	3.840	366.000	51.71	0.1
SRCPARAM IDLE18	8.4776E-07	3.840	366.000	51.71	0.1
SRCPARAM IDLE19	8.4776E-07	3.840	366.000	51.71	0.1
SRCPARAM IDLE20	8.4776E-07	3.840	366.000	51.71	0.1
SRCPARAM IDLE21	8.4776E-07	3.840	366.000	51.71	0.1
SRCPARAM IDLE22	8.4776E-07	3.840	366.000	51.71	0.1
SRCPARAM IDLE23	8.4776E-07	3.840	366.000	51.71	0.1
SRCPARAM IDLE24	8.4776E-07	3.840	366.000	51.71	0.1
SRCPARAM IDLE25	8.4776E-07	3.840	366.000	51.71	0.1
SRCPARAM IDLE26	8.4776E-07	3.840	366.000	51.71	0.1
SRCPARAM IDLE27	8.4776E-07	3.840	366.000	51.71	0.1
SRCPARAM IDLE28	8.4776E-07	3.840	366.000	51.71	0.1
SRCPARAM IDLE29	8.4776E-07	3.840	366.000	51.71	0.1
SRCPARAM IDLE30	8.4776E-07	3.840	366.000	51.71	0.1
SRCPARAM IDLE31	8.4776E-07	3.840	366.000	51.71	0.1
SRCPARAM IDLE32	8.4776E-07	3.840	366.000	51.71	0.1
SRCPARAM IDLE33	8.4776E-07	3.840	366.000	51.71	0.1
SRCPARAM IDLE34	8.4776E-07	3.840	366.000	51.71	0.1





SRCPARAM	TTP75	1.5661E-07	3.840	366.000	51.71	0.1
SRCPARAM	TTP76	1.5661E-07	3.840	366.000	51.71	0.1
SRCPARAM	TTP77	1.5661E-07	3.840	366.000	51.71	0.1
SRCPARAM	TTP78	1.5661E-07	3.840	366.000	51.71	0.1
SRCPARAM	TTP79	1.5661E-07	3.840	366.000	51.71	0.1
SRCPARAM	TTP80	1.5661E-07	3.840	366.000	51.71	0.1
SRCPARAM	TTP81	1.5661E-07	3.840	366.000	51.71	0.1
SRCPARAM	TTP82	1.5661E-07	3.840	366.000	51.71	0.1
SRCPARAM	TTP83	1.5661E-07	3.840	366.000	51.71	0.1
**	LINE VOLUME Source ID = SLINE1					
SRCPARAM	L0000001	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000002	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000003	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000004	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000005	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000006	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000007	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000008	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000009	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000010	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000011	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000012	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000013	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000014	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000015	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000016	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000017	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000018	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000019	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000020	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000021	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000022	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000023	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000024	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000025	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000026	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000027	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000028	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000029	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000030	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000031	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000032	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000033	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000034	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000035	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000036	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000037	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000038	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000039	0.000002128	3.49	4.00	3.25	
SRCPARAM	L0000040	0.000002128	3.49	4.00	3.25	
**	-----					
SRCPARAM	STCK1	0.0107098198	3.550	728.550	54.78	0.13
SRCPARAM	STCK2	0.0107098198	3.840	798.160	160.56	0.17
**	LINE VOLUME Source ID = SLINE2					
SRCPARAM	L0000041	0.000000579	3.49	6.51	3.25	
SRCPARAM	L0000042	0.000000579	3.49	6.51	3.25	
SRCPARAM	L0000043	0.000000579	3.49	6.51	3.25	
SRCPARAM	L0000044	0.000000579	3.49	6.51	3.25	
SRCPARAM	L0000045	0.000000579	3.49	6.51	3.25	
SRCPARAM	L0000046	0.000000579	3.49	6.51	3.25	
SRCPARAM	L0000047	0.000000579	3.49	6.51	3.25	
SRCPARAM	L0000048	0.000000579	3.49	6.51	3.25	
SRCPARAM	L0000049	0.000000579	3.49	6.51	3.25	
SRCPARAM	L0000050	0.000000579	3.49	6.51	3.25	
SRCPARAM	L0000051	0.000000579	3.49	6.51	3.25	
SRCPARAM	L0000052	0.000000579	3.49	6.51	3.25	



























SRCPARAM	L0000767	0.000000197	3.49	6.51	3.25
SRCPARAM	L0000768	0.000000197	3.49	6.51	3.25
SRCPARAM	L0000769	0.000000197	3.49	6.51	3.25
SRCPARAM	L0000770	0.000000197	3.49	6.51	3.25
SRCPARAM	L0000771	0.000000197	3.49	6.51	3.25
SRCPARAM	L0000772	0.000000197	3.49	6.51	3.25
SRCPARAM	L0000773	0.000000197	3.49	6.51	3.25
SRCPARAM	L0000774	0.000000197	3.49	6.51	3.25
SRCPARAM	L0000775	0.000000197	3.49	6.51	3.25
SRCPARAM	L0000776	0.000000197	3.49	6.51	3.25
SRCPARAM	L0000777	0.000000197	3.49	6.51	3.25
SRCPARAM	L0000778	0.000000197	3.49	6.51	3.25
SRCPARAM	L0000779	0.000000197	3.49	6.51	3.25
SRCPARAM	L0000780	0.000000197	3.49	6.51	3.25

\*\*

\*\* LINE VOLUME Source ID = SLINE9

SRCPARAM	L0000781	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000782	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000783	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000784	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000785	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000786	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000787	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000788	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000789	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000790	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000791	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000792	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000793	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000794	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000795	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000796	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000797	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000798	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000799	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000800	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000801	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000802	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000803	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000804	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000805	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000806	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000807	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000808	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000809	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000810	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000811	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000812	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000813	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000814	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000815	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000816	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000817	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000818	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000819	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000820	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000821	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000822	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000823	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000824	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000825	0.000000006261	3.49	4.00	3.25
SRCPARAM	L0000826	0.000000006261	3.49	4.00	3.25

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\*\* Building Downwash \*\*

BUILDHGT	IDLE1	13.72	13.72	13.72	13.72	13.72	13.72
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BUILDLN	TTP83	0.00	0.00	0.00	341.41	340.07	328.40
BUILDLN	TTP83	306.75	275.78	236.43	189.90	138.35	101.45
BUILDLN	TTP83	154.15	204.25	248.75	285.70	313.97	332.69
BUILDLN	TTP83	0.00	0.00	0.00	341.41	340.07	328.40
BUILDLN	TTP83	306.75	275.78	236.43	189.90	138.35	101.45
BUILDLN	STCK1	154.15	204.25	248.75	285.70	313.97	332.69
BUILDLN	STCK1	341.31	339.56	333.59	341.41	340.07	328.40
BUILDLN	STCK1	306.75	275.78	236.43	189.90	138.35	101.45
BUILDLN	STCK1	154.15	204.25	248.75	285.70	313.97	332.69
BUILDLN	STCK1	341.31	339.56	333.59	341.41	340.07	328.40
BUILDLN	STCK1	306.75	275.78	236.43	189.90	138.35	101.45
BUILDLN	STCK2	154.15	204.25	248.75	285.70	313.97	332.69
BUILDLN	STCK2	341.31	339.56	333.59	341.41	340.07	328.40
BUILDLN	STCK2	306.75	275.78	236.43	189.90	138.35	101.45
BUILDLN	STCK2	154.15	204.25	248.75	285.70	313.97	332.69
BUILDLN	STCK2	341.31	339.56	333.59	341.41	340.07	328.40
BUILDLN	STCK2	306.75	275.78	236.43	189.90	138.35	101.45
XBADJ	IDLE1	-15.52	-26.12	-35.92	-44.63	-51.99	-57.76
XBADJ	IDLE1	-61.78	-63.93	-66.45	-78.97	-90.31	-98.90
XBADJ	IDLE1	-104.49	-106.90	-106.07	-102.01	-95.62	-97.00
XBADJ	IDLE1	-138.64	-178.13	-212.84	-241.07	-261.98	-274.93
XBADJ	IDLE1	-279.53	-275.63	-267.14	-262.44	-249.76	-229.49
XBADJ	IDLE1	-202.26	-168.87	-130.36	-87.88	-42.73	-4.45
XBADJ	IDLE2	-16.44	-27.70	-38.13	-47.40	-55.22	-61.37
XBADJ	IDLE2	-65.66	-67.95	-70.49	-82.91	-94.03	-102.29
XBADJ	IDLE2	-107.44	-109.33	-107.90	-103.19	-96.10	-96.78
XBADJ	IDLE2	-137.72	-176.54	-210.62	-238.31	-258.74	-271.32
XBADJ	IDLE2	-275.66	-271.61	-263.10	-258.50	-246.04	-226.11
XBADJ	IDLE2	-199.30	-166.44	-128.53	-86.71	-42.25	-4.67
XBADJ	IDLE3	-17.15	-29.05	-40.08	-49.88	-58.17	-64.70
XBADJ	IDLE3	-69.25	-71.71	-74.30	-86.65	-97.59	-105.56
XBADJ	IDLE3	-110.33	-111.74	-109.76	-104.45	-96.71	-96.73
XBADJ	IDLE3	-137.01	-175.19	-208.68	-235.82	-255.79	-268.00
XBADJ	IDLE3	-272.06	-267.85	-259.29	-254.75	-242.48	-222.83
XBADJ	IDLE3	-196.42	-164.03	-126.67	-85.45	-41.64	-4.72
XBADJ	IDLE4	-17.98	-30.55	-42.19	-52.56	-61.32	-68.22
XBADJ	IDLE4	-73.05	-75.66	-78.29	-90.56	-101.29	-108.95
XBADJ	IDLE4	-113.30	-114.20	-111.64	-105.68	-97.27	-96.59
XBADJ	IDLE4	-136.18	-173.70	-206.56	-233.15	-252.65	-264.47
XBADJ	IDLE4	-268.26	-263.90	-255.30	-250.85	-238.77	-219.45
XBADJ	IDLE4	-193.45	-161.58	-124.79	-84.22	-41.08	-4.86
XBADJ	IDLE5	-18.73	-31.99	-44.27	-55.22	-64.48	-71.78
XBADJ	IDLE5	-76.91	-79.69	-82.38	-94.58	-105.12	-112.47
XBADJ	IDLE5	-116.40	-116.80	-113.65	-107.04	-97.94	-96.55
XBADJ	IDLE5	-135.43	-172.26	-204.48	-230.49	-249.49	-260.91
XBADJ	IDLE5	-264.40	-259.87	-251.21	-246.83	-234.95	-215.92
XBADJ	IDLE5	-190.34	-158.98	-122.78	-82.86	-40.41	-4.90
XBADJ	IDLE6	-20.28	-34.84	-48.34	-60.37	-70.57	-78.62
XBADJ	IDLE6	-84.29	-87.39	-90.16	-102.20	-112.36	-119.11
XBADJ	IDLE6	-122.24	-121.65	-117.36	-109.51	-99.09	-96.35
XBADJ	IDLE6	-133.88	-169.41	-200.42	-225.33	-243.40	-254.07
XBADJ	IDLE6	-257.03	-252.17	-243.43	-239.20	-227.70	-209.29
XBADJ	IDLE6	-184.51	-154.13	-119.06	-80.38	-39.26	-5.10
XBADJ	IDLE7	-21.18	-36.41	-50.53	-63.12	-73.79	-82.22
XBADJ	IDLE7	-88.15	-91.40	-94.19	-106.14	-116.08	-122.49
XBADJ	IDLE7	-125.19	-124.08	-119.20	-110.69	-99.59	-96.14
XBADJ	IDLE7	-132.97	-167.84	-198.22	-222.58	-240.18	-250.48

XBADJ	IDLE7	-253.17	-248.16	-239.40	-235.27	-223.99	-205.90
XBADJ	IDLE7	-181.56	-151.70	-117.23	-79.20	-38.76	-5.31
XBADJ	IDLE8	-21.89	-37.76	-52.48	-65.61	-76.74	-85.54
XBADJ	IDLE8	-91.74	-95.16	-98.00	-109.88	-119.64	-125.77
XBADJ	IDLE8	-128.07	-126.49	-121.06	-111.95	-100.20	-96.09
XBADJ	IDLE8	-132.26	-166.49	-196.27	-220.09	-237.23	-247.15
XBADJ	IDLE8	-249.57	-244.40	-235.59	-231.52	-220.42	-202.63
XBADJ	IDLE8	-178.67	-149.29	-115.37	-77.95	-38.15	-5.36
XBADJ	IDLE9	-22.72	-39.26	-54.60	-68.28	-79.89	-89.07
XBADJ	IDLE9	-95.54	-99.11	-101.99	-113.79	-123.34	-129.15
XBADJ	IDLE9	-131.04	-128.95	-122.93	-113.18	-100.75	-95.95
XBADJ	IDLE9	-131.43	-164.99	-194.16	-217.42	-234.08	-243.63
XBADJ	IDLE9	-245.77	-240.45	-231.60	-227.62	-216.72	-199.24
XBADJ	IDLE9	-175.71	-146.83	-113.50	-76.71	-37.60	-5.50
XBADJ	IDLE10	-23.47	-40.69	-56.68	-70.94	-83.05	-92.63
XBADJ	IDLE10	-99.40	-103.15	-106.08	-117.81	-127.17	-132.68
XBADJ	IDLE10	-134.15	-131.54	-124.94	-114.54	-101.42	-95.91
XBADJ	IDLE10	-130.68	-163.55	-192.08	-214.76	-230.92	-240.07
XBADJ	IDLE10	-241.92	-236.41	-227.51	-223.60	-212.89	-195.72
XBADJ	IDLE10	-172.60	-144.23	-111.49	-75.35	-36.93	-5.54
XBADJ	IDLE11	-24.34	-42.22	-58.81	-73.62	-86.19	-96.14
XBADJ	IDLE11	-103.16	-107.06	-110.02	-121.65	-130.81	-135.99
XBADJ	IDLE11	-137.04	-133.93	-126.75	-115.71	-101.92	-95.72
XBADJ	IDLE11	-129.81	-162.03	-189.94	-212.08	-227.78	-236.56
XBADJ	IDLE11	-238.15	-232.50	-223.57	-219.75	-209.26	-192.40
XBADJ	IDLE11	-169.70	-141.85	-109.68	-74.18	-36.43	-5.73
XBADJ	IDLE12	-25.13	-43.67	-60.89	-76.26	-89.31	-99.65
XBADJ	IDLE12	-106.95	-111.01	-114.02	-125.58	-134.54	-139.41
XBADJ	IDLE12	-140.05	-136.43	-128.67	-117.00	-102.53	-95.63
XBADJ	IDLE12	-129.03	-160.58	-187.86	-209.44	-224.66	-233.05
XBADJ	IDLE12	-234.36	-228.55	-219.57	-215.83	-205.53	-188.98
XBADJ	IDLE12	-166.70	-139.34	-107.76	-72.90	-35.82	-5.82
XBADJ	IDLE13	-29.73	-52.23	-73.13	-91.81	-107.71	-120.33
XBADJ	IDLE13	-129.29	-134.33	-137.60	-148.71	-156.52	-159.57
XBADJ	IDLE13	-157.78	-151.19	-140.01	-124.57	-106.11	-95.11
XBADJ	IDLE13	-124.42	-152.02	-175.62	-193.89	-206.26	-212.37
XBADJ	IDLE13	-212.02	-205.23	-195.99	-192.70	-183.55	-168.82
XBADJ	IDLE13	-148.97	-124.59	-96.42	-65.32	-32.24	-6.34
XBADJ	IDLE14	-30.61	-53.75	-75.27	-94.49	-110.85	-123.83
XBADJ	IDLE14	-133.06	-138.24	-141.54	-152.56	-160.16	-162.89
XBADJ	IDLE14	-160.68	-153.58	-141.81	-125.74	-106.61	-94.92
XBADJ	IDLE14	-123.55	-150.50	-173.49	-191.21	-203.12	-208.86
XBADJ	IDLE14	-208.26	-201.32	-192.05	-188.85	-179.91	-165.51
XBADJ	IDLE14	-146.07	-122.20	-94.61	-64.15	-31.74	-6.53
XBADJ	IDLE15	-31.39	-55.20	-77.34	-97.12	-113.96	-127.33
XBADJ	IDLE15	-136.84	-142.18	-145.53	-156.47	-163.88	-166.30
XBADJ	IDLE15	-163.67	-156.07	-143.73	-127.02	-107.21	-94.83
XBADJ	IDLE15	-122.77	-149.05	-171.42	-188.58	-200.01	-205.36
XBADJ	IDLE15	-204.48	-197.38	-188.06	-184.94	-176.19	-162.09
XBADJ	IDLE15	-143.07	-119.70	-92.70	-62.87	-31.14	-6.62
XBADJ	IDLE16	-26.54	-46.36	-64.78	-81.24	-95.22	-106.31
XBADJ	IDLE16	-114.17	-118.56	-121.67	-133.10	-141.70	-146.00
XBADJ	IDLE16	-145.86	-141.29	-132.43	-119.54	-103.78	-95.55
XBADJ	IDLE16	-127.62	-157.88	-183.97	-204.47	-218.75	-226.38
XBADJ	IDLE16	-227.14	-221.00	-211.92	-208.31	-198.37	-182.40
XBADJ	IDLE16	-160.89	-134.49	-104.00	-70.36	-34.57	-5.90

XBADJ	IDLE17	-27.44	-47.94	-66.98	-83.99	-98.44	-109.91
XBADJ	IDLE17	-118.03	-122.57	-125.70	-137.03	-145.42	-149.38
XBADJ	IDLE17	-148.81	-143.72	-134.26	-120.72	-104.27	-95.34
XBADJ	IDLE17	-126.71	-156.31	-181.77	-201.71	-215.53	-222.79
XBADJ	IDLE17	-223.28	-216.99	-207.89	-204.38	-194.65	-179.01
XBADJ	IDLE17	-157.94	-132.06	-102.17	-69.18	-34.08	-6.11
XBADJ	IDLE18	-28.15	-49.29	-68.93	-86.47	-101.39	-113.23
XBADJ	IDLE18	-121.63	-126.33	-129.51	-140.77	-148.98	-152.66
XBADJ	IDLE18	-151.70	-146.13	-136.12	-121.98	-104.88	-95.29
XBADJ	IDLE18	-126.00	-154.96	-179.82	-199.23	-212.58	-219.46
XBADJ	IDLE18	-219.69	-213.23	-204.08	-200.63	-191.09	-175.74
XBADJ	IDLE18	-155.05	-129.65	-100.31	-67.92	-33.47	-6.16
XBADJ	IDLE19	-28.99	-50.79	-71.05	-89.15	-104.55	-116.76
XBADJ	IDLE19	-125.43	-130.29	-133.51	-144.69	-152.69	-156.05
XBADJ	IDLE19	-154.67	-148.59	-138.00	-123.21	-105.44	-95.15
XBADJ	IDLE19	-125.17	-153.46	-177.70	-196.55	-209.42	-215.93
XBADJ	IDLE19	-215.88	-209.27	-200.08	-196.72	-187.38	-172.34
XBADJ	IDLE19	-152.07	-127.18	-98.43	-66.68	-32.91	-6.30
XBADJ	IDLE20	-36.12	-63.92	-89.78	-112.91	-132.61	-148.28
XBADJ	IDLE20	-159.45	-165.77	-169.37	-179.84	-186.07	-186.65
XBADJ	IDLE20	-181.55	-170.94	-155.13	-134.61	-110.76	-94.23
XBADJ	IDLE20	-118.04	-140.33	-158.98	-172.79	-181.36	-184.42
XBADJ	IDLE20	-181.87	-173.79	-164.22	-161.56	-153.99	-141.75
XBADJ	IDLE20	-125.20	-104.84	-81.30	-55.28	-27.59	-7.22
XBADJ	IDLE21	-36.98	-65.44	-91.90	-115.58	-135.74	-151.78
XBADJ	IDLE21	-163.21	-169.68	-173.31	-183.69	-189.71	-189.97
XBADJ	IDLE21	-184.45	-173.33	-156.95	-135.79	-111.27	-94.05
XBADJ	IDLE21	-117.18	-138.81	-156.85	-170.12	-178.23	-180.91
XBADJ	IDLE21	-178.10	-169.88	-160.28	-157.71	-150.35	-138.43
XBADJ	IDLE21	-122.29	-102.44	-79.48	-54.10	-27.08	-7.40
XBADJ	IDLE22	-37.76	-66.89	-93.98	-118.22	-138.86	-155.29
XBADJ	IDLE22	-167.00	-173.63	-177.31	-187.62	-193.44	-193.39
XBADJ	IDLE22	-187.46	-175.84	-158.87	-137.07	-111.87	-93.96
XBADJ	IDLE22	-116.39	-137.36	-154.77	-167.48	-175.10	-177.40
XBADJ	IDLE22	-174.31	-165.93	-156.28	-153.79	-146.63	-135.01
XBADJ	IDLE22	-119.29	-99.94	-77.56	-52.82	-26.48	-7.49
XBADJ	IDLE23	-32.91	-58.05	-81.43	-102.33	-120.12	-134.27
XBADJ	IDLE23	-144.33	-150.01	-153.45	-164.24	-171.27	-173.09
XBADJ	IDLE23	-169.64	-161.05	-147.56	-129.59	-108.44	-94.68
XBADJ	IDLE23	-121.24	-146.20	-167.33	-183.37	-193.84	-198.43
XBADJ	IDLE23	-196.98	-189.55	-180.14	-177.16	-168.80	-155.31
XBADJ	IDLE23	-137.10	-114.73	-88.87	-60.31	-29.91	-6.77
XBADJ	IDLE24	-33.83	-59.64	-83.63	-105.09	-123.35	-137.87
XBADJ	IDLE24	-148.19	-154.02	-157.48	-168.17	-174.98	-176.47
XBADJ	IDLE24	-172.59	-163.47	-149.39	-130.76	-108.92	-94.46
XBADJ	IDLE24	-120.33	-144.61	-165.12	-180.61	-190.62	-194.83
XBADJ	IDLE24	-193.12	-185.54	-176.11	-173.23	-165.09	-151.93
XBADJ	IDLE24	-134.16	-112.30	-87.04	-59.13	-29.43	-6.99
XBADJ	IDLE25	-34.53	-60.98	-85.57	-107.57	-126.30	-141.19
XBADJ	IDLE25	-151.79	-157.78	-161.29	-171.92	-178.54	-179.74
XBADJ	IDLE25	-175.48	-165.89	-151.26	-132.03	-109.54	-94.42
XBADJ	IDLE25	-119.63	-143.27	-163.18	-178.13	-187.67	-191.51
XBADJ	IDLE25	-189.53	-181.78	-172.30	-169.49	-161.52	-148.65
XBADJ	IDLE25	-131.26	-109.89	-85.17	-57.87	-28.81	-7.03
XBADJ	IDLE26	-35.36	-62.48	-87.69	-110.25	-129.45	-144.72
XBADJ	IDLE26	-155.59	-161.74	-165.29	-175.83	-182.26	-183.14
XBADJ	IDLE26	-178.46	-168.35	-153.14	-133.26	-110.10	-94.28

XBADJ	IDLE26	-118.79	-141.77	-161.06	-175.45	-184.52	-187.97
XBADJ	IDLE26	-185.72	-177.82	-168.30	-165.57	-157.81	-145.26
XBADJ	IDLE26	-128.29	-107.42	-83.29	-56.63	-28.25	-7.17
XBADJ	IDLE27	-42.35	-75.41	-106.18	-133.73	-157.21	-175.91
XBADJ	IDLE27	-189.27	-196.88	-200.83	-210.69	-215.37	-213.50
XBADJ	IDLE27	-205.15	-190.56	-170.19	-144.64	-115.46	-93.45
XBADJ	IDLE27	-111.81	-128.84	-142.57	-151.97	-156.76	-156.78
XBADJ	IDLE27	-152.04	-142.68	-132.76	-130.72	-124.70	-114.89
XBADJ	IDLE27	-101.60	-85.21	-66.24	-45.26	-22.90	-8.00
XBADJ	IDLE28	-43.21	-76.93	-108.31	-136.40	-160.34	-179.42
XBADJ	IDLE28	-193.04	-200.79	-204.77	-214.54	-219.01	-216.82
XBADJ	IDLE28	-208.05	-192.96	-172.00	-145.82	-115.96	-93.27
XBADJ	IDLE28	-110.94	-127.32	-140.44	-149.30	-153.62	-153.28
XBADJ	IDLE28	-148.27	-138.77	-128.82	-126.87	-121.06	-111.57
XBADJ	IDLE28	-98.69	-82.82	-64.43	-44.08	-22.39	-8.18
XBADJ	IDLE29	-43.99	-78.38	-110.39	-139.04	-163.47	-182.93
XBADJ	IDLE29	-196.83	-204.75	-208.77	-218.46	-222.74	-220.24
XBADJ	IDLE29	-211.06	-195.46	-173.92	-147.10	-116.57	-93.18
XBADJ	IDLE29	-110.16	-125.87	-138.37	-146.66	-150.50	-149.77
XBADJ	IDLE29	-144.48	-134.81	-124.82	-122.94	-117.33	-108.15
XBADJ	IDLE29	-95.69	-80.32	-62.51	-42.79	-21.78	-8.27
XBADJ	IDLE30	-39.14	-69.54	-97.83	-123.14	-144.72	-161.89
XBADJ	IDLE30	-174.15	-181.12	-184.90	-195.08	-200.55	-199.93
XBADJ	IDLE30	-193.24	-180.67	-162.61	-139.61	-113.13	-93.90
XBADJ	IDLE30	-115.01	-134.71	-150.93	-162.56	-169.25	-170.80
XBADJ	IDLE30	-167.16	-158.44	-148.69	-146.33	-139.51	-128.46
XBADJ	IDLE30	-113.51	-95.11	-73.82	-50.28	-25.22	-7.55
XBADJ	IDLE31	-40.06	-71.13	-100.04	-125.91	-147.95	-165.50
XBADJ	IDLE31	-178.02	-185.13	-188.94	-199.02	-204.27	-203.32
XBADJ	IDLE31	-196.19	-183.10	-164.44	-140.79	-113.62	-93.68
XBADJ	IDLE31	-114.10	-133.12	-148.72	-159.79	-166.01	-167.19
XBADJ	IDLE31	-163.29	-154.43	-144.65	-142.38	-135.79	-125.08
XBADJ	IDLE31	-110.56	-92.68	-71.99	-49.11	-24.73	-7.77
XBADJ	IDLE32	-40.76	-72.47	-101.98	-128.39	-150.90	-168.82
XBADJ	IDLE32	-181.62	-188.89	-192.75	-202.77	-207.84	-206.60
XBADJ	IDLE32	-199.08	-185.52	-166.31	-142.05	-114.24	-93.64
XBADJ	IDLE32	-113.40	-131.78	-146.78	-157.31	-163.07	-163.87
XBADJ	IDLE32	-159.70	-150.67	-140.84	-138.64	-132.23	-121.80
XBADJ	IDLE32	-107.66	-90.26	-70.12	-47.84	-24.11	-7.81
XBADJ	IDLE33	-41.59	-73.97	-104.09	-131.06	-154.04	-172.35
XBADJ	IDLE33	-185.41	-192.85	-196.74	-206.67	-211.54	-209.99
XBADJ	IDLE33	-202.05	-187.97	-168.19	-143.29	-114.79	-93.50
XBADJ	IDLE33	-112.56	-130.28	-144.66	-154.64	-159.92	-160.35
XBADJ	IDLE33	-155.90	-146.71	-136.85	-134.73	-128.53	-118.41
XBADJ	IDLE33	-104.70	-87.80	-68.24	-46.61	-23.56	-7.95
XBADJ	IDLE34	-48.76	-87.14	-122.86	-154.85	-182.14	-203.89
XBADJ	IDLE34	-219.45	-228.34	-232.61	-241.83	-244.92	-240.57
XBADJ	IDLE34	-228.91	-210.29	-185.29	-154.65	-120.08	-92.54
XBADJ	IDLE34	-105.39	-117.11	-125.89	-130.85	-131.83	-128.80
XBADJ	IDLE34	-121.86	-111.22	-100.98	-99.58	-95.15	-87.83
XBADJ	IDLE34	-77.84	-65.48	-51.14	-35.24	-18.27	-8.91
XBADJ	IDLE35	-49.64	-88.66	-125.00	-157.53	-185.28	-207.40
XBADJ	IDLE35	-223.22	-232.25	-236.55	-245.68	-248.56	-243.89
XBADJ	IDLE35	-231.81	-212.68	-187.09	-155.82	-120.57	-92.35
XBADJ	IDLE35	-104.52	-115.59	-123.76	-128.17	-128.69	-125.30
XBADJ	IDLE35	-118.10	-107.31	-97.04	-95.73	-91.51	-84.51
XBADJ	IDLE35	-74.94	-63.10	-49.33	-34.07	-17.78	-9.10

XBADJ	IDLE36	-50.42	-90.11	-127.07	-160.16	-188.39	-210.90
XBADJ	IDLE36	-227.00	-236.20	-240.54	-249.59	-252.28	-247.30
XBADJ	IDLE36	-234.80	-215.18	-189.01	-157.10	-121.18	-92.26
XBADJ	IDLE36	-103.74	-114.14	-121.69	-125.54	-125.57	-121.80
XBADJ	IDLE36	-114.32	-103.36	-93.05	-91.82	-87.79	-81.10
XBADJ	IDLE36	-71.94	-60.60	-47.42	-32.79	-17.17	-9.19
XBADJ	IDLE37	-45.56	-81.27	-114.52	-144.28	-169.65	-189.88
XBADJ	IDLE37	-204.33	-212.57	-216.68	-226.22	-230.10	-226.99
XBADJ	IDLE37	-216.99	-200.39	-177.70	-149.62	-117.74	-92.98
XBADJ	IDLE37	-108.59	-122.97	-134.24	-141.43	-144.31	-142.82
XBADJ	IDLE37	-136.98	-126.99	-116.91	-115.19	-109.97	-101.40
XBADJ	IDLE37	-89.76	-75.39	-58.72	-40.28	-20.61	-8.47
XBADJ	IDLE38	-46.48	-82.86	-116.72	-147.04	-172.88	-193.48
XBADJ	IDLE38	-208.19	-216.58	-220.71	-230.15	-233.81	-230.37
XBADJ	IDLE38	-219.93	-202.81	-179.53	-150.79	-118.23	-92.76
XBADJ	IDLE38	-107.67	-121.39	-132.03	-138.67	-141.09	-139.22
XBADJ	IDLE38	-133.12	-122.98	-112.88	-111.26	-106.25	-98.02
XBADJ	IDLE38	-86.81	-72.96	-56.90	-39.11	-20.12	-8.69
XBADJ	IDLE39	-47.18	-84.20	-118.66	-149.51	-175.83	-196.80
XBADJ	IDLE39	-211.79	-220.34	-224.52	-233.89	-237.38	-233.65
XBADJ	IDLE39	-222.83	-205.23	-181.40	-152.06	-118.85	-92.72
XBADJ	IDLE39	-106.97	-120.05	-130.09	-136.19	-138.14	-135.90
XBADJ	IDLE39	-129.53	-119.22	-109.07	-107.51	-102.69	-94.74
XBADJ	IDLE39	-83.92	-70.55	-55.03	-37.84	-19.50	-8.73
XBADJ	IDLE40	-48.01	-85.70	-120.78	-152.19	-178.98	-200.33
XBADJ	IDLE40	-215.59	-224.30	-228.52	-237.81	-241.09	-237.05
XBADJ	IDLE40	-225.80	-207.70	-183.28	-153.29	-119.41	-92.58
XBADJ	IDLE40	-106.14	-118.55	-127.97	-133.51	-134.99	-132.36
XBADJ	IDLE40	-125.72	-115.26	-105.07	-103.60	-98.98	-91.35
XBADJ	IDLE40	-80.94	-68.08	-53.15	-36.60	-18.94	-8.87
XBADJ	IDLE41	-55.03	-98.70	-139.36	-175.79	-206.88	-231.68
XBADJ	IDLE41	-249.44	-259.63	-264.24	-272.84	-274.37	-267.57
XBADJ	IDLE41	-252.63	-230.02	-200.42	-164.73	-124.79	-91.75
XBADJ	IDLE41	-99.12	-105.55	-109.39	-109.91	-107.09	-101.02
XBADJ	IDLE41	-91.87	-79.93	-69.35	-68.56	-65.69	-60.83
XBADJ	IDLE41	-54.12	-45.76	-36.01	-25.17	-13.56	-9.70
XBADJ	IDLE42	-55.90	-100.22	-141.49	-178.47	-210.02	-235.19
XBADJ	IDLE42	-253.22	-263.55	-268.19	-276.70	-278.02	-270.90
XBADJ	IDLE42	-255.54	-232.42	-202.24	-165.91	-125.30	-91.57
XBADJ	IDLE42	-98.26	-104.03	-107.26	-107.23	-103.95	-97.50
XBADJ	IDLE42	-88.10	-76.01	-65.40	-64.71	-62.04	-57.50
XBADJ	IDLE42	-51.20	-43.36	-34.19	-23.98	-13.05	-9.88
XBADJ	IDLE43	-51.83	-92.83	-131.01	-165.21	-194.39	-217.67
XBADJ	IDLE43	-234.33	-243.87	-248.32	-257.24	-259.57	-254.00
XBADJ	IDLE43	-240.73	-220.13	-192.85	-159.71	-122.47	-92.20
XBADJ	IDLE43	-102.33	-111.42	-117.74	-120.49	-119.58	-115.03
XBADJ	IDLE43	-106.98	-95.69	-85.27	-84.16	-80.50	-74.39
XBADJ	IDLE43	-66.02	-55.65	-43.58	-30.19	-15.88	-9.25
XBADJ	IDLE44	-52.74	-94.41	-133.22	-167.97	-197.62	-221.27
XBADJ	IDLE44	-238.19	-247.88	-252.35	-261.17	-263.28	-257.38
XBADJ	IDLE44	-243.67	-222.55	-194.67	-160.88	-122.95	-91.98
XBADJ	IDLE44	-101.41	-109.83	-115.54	-117.73	-116.35	-111.43
XBADJ	IDLE44	-103.12	-91.68	-81.24	-80.23	-76.79	-71.01
XBADJ	IDLE44	-63.08	-53.22	-41.75	-29.02	-15.40	-9.47
XBADJ	IDLE45	-53.44	-95.75	-135.16	-170.45	-200.57	-224.59
XBADJ	IDLE45	-241.78	-251.64	-256.16	-264.92	-266.84	-260.66



XBADJ	IDLE45	-246.56	-224.97	-196.54	-162.14	-123.58	-91.94
XBADJ	IDLE45	-100.71	-108.49	-113.60	-115.25	-113.40	-108.11
XBADJ	IDLE45	-99.53	-87.92	-77.43	-76.49	-73.22	-67.73
XBADJ	IDLE45	-60.18	-50.81	-39.88	-27.75	-14.78	-9.51
XBADJ	IDLE46	-54.28	-97.25	-137.28	-173.13	-203.72	-228.12
XBADJ	IDLE46	-245.59	-255.60	-260.16	-268.83	-270.56	-264.06
XBADJ	IDLE46	-249.54	-227.44	-198.42	-163.38	-124.13	-91.80
XBADJ	IDLE46	-99.88	-106.99	-111.48	-112.57	-110.25	-104.57
XBADJ	IDLE46	-95.72	-83.96	-73.43	-72.57	-69.51	-64.34
XBADJ	IDLE46	-57.21	-48.34	-38.01	-26.51	-14.22	-9.65
XBADJ	TRU1	-18.23	-28.69	-38.28	-46.70	-53.71	-59.08
XBADJ	TRU1	-62.66	-64.33	-66.37	-78.41	-89.28	-97.45
XBADJ	TRU1	-102.65	-104.73	-103.63	-99.38	-92.87	-94.23
XBADJ	TRU1	-135.92	-175.56	-210.48	-239.00	-260.26	-273.62
XBADJ	TRU1	-278.66	-275.23	-267.22	-263.00	-250.78	-230.95
XBADJ	TRU1	-204.10	-171.05	-132.80	-90.51	-45.48	-7.22
XBADJ	TRU2	-18.88	-30.01	-40.23	-49.23	-56.73	-62.51
XBADJ	TRU2	-66.38	-68.24	-70.35	-82.33	-93.04	-100.91
XBADJ	TRU2	-105.72	-107.32	-105.66	-100.78	-93.61	-94.27
XBADJ	TRU2	-135.27	-174.23	-208.52	-236.47	-257.24	-270.19
XBADJ	TRU2	-274.93	-271.32	-263.24	-259.07	-247.03	-227.48
XBADJ	TRU2	-201.02	-168.46	-130.77	-89.11	-44.75	-7.18
XBADJ	TRU3	-19.68	-31.46	-42.29	-51.83	-59.80	-65.95
XBADJ	TRU3	-70.10	-72.11	-74.26	-86.16	-96.67	-104.24
XBADJ	TRU3	-108.64	-109.74	-107.51	-102.01	-94.17	-94.15
XBADJ	TRU3	-134.47	-172.78	-206.46	-233.87	-254.17	-266.74
XBADJ	TRU3	-271.21	-267.45	-259.33	-255.24	-243.40	-224.16
XBADJ	TRU3	-198.11	-166.04	-128.92	-87.89	-44.19	-7.30
XBADJ	TRU4	-20.43	-32.86	-44.29	-54.38	-62.81	-69.33
XBADJ	TRU4	-73.75	-75.93	-78.12	-89.95	-100.27	-107.54
XBADJ	TRU4	-111.55	-112.16	-109.37	-103.25	-94.76	-94.07
XBADJ	TRU4	-133.72	-171.39	-204.46	-231.32	-251.16	-263.36
XBADJ	TRU4	-267.56	-263.63	-255.47	-251.45	-239.80	-220.85
XBADJ	TRU4	-195.20	-163.62	-127.06	-86.64	-43.59	-7.38
XBADJ	TRU5	-21.24	-34.33	-46.39	-57.03	-65.94	-72.84
XBADJ	TRU5	-77.53	-79.87	-82.10	-93.85	-103.97	-110.93
XBADJ	TRU5	-114.52	-114.63	-111.25	-104.50	-95.33	-93.95
XBADJ	TRU5	-132.92	-169.91	-202.37	-228.67	-248.03	-259.85
XBADJ	TRU5	-263.78	-259.69	-251.49	-247.55	-236.10	-217.47
XBADJ	TRU5	-192.23	-161.15	-125.17	-85.39	-43.02	-7.50
XBADJ	TRU6	-22.90	-37.32	-50.61	-62.35	-72.20	-79.86
XBADJ	TRU6	-85.09	-87.74	-90.04	-101.62	-111.33	-117.66
XBADJ	TRU6	-120.41	-119.51	-114.97	-106.94	-96.42	-93.66
XBADJ	TRU6	-131.25	-166.93	-198.15	-223.35	-241.76	-252.83
XBADJ	TRU6	-256.22	-251.82	-243.55	-239.79	-228.74	-210.74
XBADJ	TRU6	-186.33	-156.27	-121.45	-82.95	-41.93	-7.79
XBADJ	TRU7	-23.56	-38.65	-52.56	-64.88	-75.23	-83.29
XBADJ	TRU7	-88.82	-91.65	-94.02	-105.55	-115.08	-121.13
XBADJ	TRU7	-123.49	-122.10	-117.00	-108.34	-97.15	-93.70
XBADJ	TRU7	-130.60	-165.60	-196.19	-220.82	-238.74	-249.41
XBADJ	TRU7	-252.49	-247.91	-239.57	-235.86	-224.98	-207.27
XBADJ	TRU7	-183.26	-153.68	-119.43	-81.55	-41.20	-7.75
XBADJ	TRU8	-24.35	-40.10	-54.62	-67.49	-78.30	-86.74
XBADJ	TRU8	-92.54	-95.52	-97.93	-109.38	-118.72	-124.45
XBADJ	TRU8	-126.41	-124.52	-118.85	-109.57	-97.72	-93.58
XBADJ	TRU8	-129.80	-164.15	-194.13	-218.22	-235.67	-245.96
XBADJ	TRU8	-248.78	-244.04	-235.66	-232.03	-221.35	-203.94

XBADJ	TRU8	-180.34	-151.26	-117.58	-80.33	-40.64	-7.87
XBADJ	TRU9	-25.10	-41.49	-56.62	-70.03	-81.31	-90.12
XBADJ	TRU9	-96.19	-99.34	-101.79	-113.16	-122.32	-127.76
XBADJ	TRU9	-129.31	-126.94	-120.71	-110.81	-98.31	-93.50
XBADJ	TRU9	-129.05	-162.76	-192.13	-215.67	-232.66	-242.58
XBADJ	TRU9	-245.12	-240.22	-231.80	-228.24	-217.75	-200.64
XBADJ	TRU9	-177.43	-148.84	-115.72	-79.08	-40.04	-7.95
XBADJ	TRU10	-25.91	-42.97	-58.71	-72.68	-84.43	-93.63
XBADJ	TRU10	-99.97	-103.28	-105.77	-117.06	-126.02	-131.14
XBADJ	TRU10	-132.28	-129.41	-122.60	-112.06	-98.88	-93.38
XBADJ	TRU10	-128.24	-161.28	-190.04	-213.02	-229.53	-239.07
XBADJ	TRU10	-241.34	-236.28	-227.82	-224.34	-214.05	-197.25
XBADJ	TRU10	-174.46	-146.37	-113.83	-77.83	-39.47	-8.07
XBADJ	TRU11	-26.82	-44.55	-60.92	-75.44	-87.67	-97.24
XBADJ	TRU11	-103.85	-107.30	-109.82	-121.01	-129.75	-134.55
XBADJ	TRU11	-135.25	-131.85	-124.44	-113.25	-99.38	-93.17
XBADJ	TRU11	-127.33	-159.70	-187.83	-210.26	-226.30	-235.46
XBADJ	TRU11	-237.46	-232.26	-223.77	-220.39	-210.32	-193.85
XBADJ	TRU11	-171.49	-143.93	-111.99	-76.65	-38.98	-8.28
XBADJ	TRU12	-27.56	-45.96	-62.97	-78.06	-90.78	-100.74
XBADJ	TRU12	-107.64	-111.27	-113.84	-124.97	-133.51	-138.01
XBADJ	TRU12	-138.31	-134.40	-126.41	-114.59	-100.03	-93.13
XBADJ	TRU12	-126.60	-158.29	-185.79	-207.64	-223.19	-231.96
XBADJ	TRU12	-233.67	-228.29	-219.75	-216.44	-206.55	-190.39
XBADJ	TRU12	-168.44	-141.38	-110.01	-75.31	-38.32	-8.32
XBADJ	TRU13	-29.28	-48.96	-67.16	-83.32	-96.94	-107.62
XBADJ	TRU13	-115.03	-118.95	-121.57	-132.51	-140.65	-144.51
XBADJ	TRU13	-143.98	-139.08	-129.95	-116.87	-101.00	-92.75
XBADJ	TRU13	-124.88	-155.29	-181.59	-202.38	-217.02	-225.07
XBADJ	TRU13	-226.28	-220.61	-212.02	-208.89	-199.42	-183.88
XBADJ	TRU13	-162.76	-136.70	-106.48	-73.02	-37.35	-8.70
XBADJ	TRU14	-29.93	-50.28	-69.11	-85.84	-99.97	-111.05
XBADJ	TRU14	-118.76	-122.86	-125.55	-136.44	-144.40	-147.98
XBADJ	TRU14	-147.06	-141.67	-131.98	-118.27	-101.73	-92.79
XBADJ	TRU14	-124.23	-153.96	-179.64	-199.86	-214.00	-221.64
XBADJ	TRU14	-222.55	-216.70	-208.04	-204.97	-195.66	-180.42
XBADJ	TRU14	-159.69	-134.11	-104.45	-71.62	-36.62	-8.66
XBADJ	TRU15	-30.72	-51.73	-71.17	-88.44	-103.03	-114.49
XBADJ	TRU15	-122.47	-126.72	-129.45	-140.26	-148.03	-151.30
XBADJ	TRU15	-149.97	-144.08	-133.82	-119.49	-102.29	-92.67
XBADJ	TRU15	-123.43	-152.52	-177.59	-197.26	-210.94	-218.21
XBADJ	TRU15	-218.85	-212.84	-204.14	-201.15	-192.04	-177.10
XBADJ	TRU15	-156.78	-131.69	-102.61	-70.40	-36.06	-8.78
XBADJ	TRU16	-31.46	-53.12	-73.16	-90.98	-106.03	-117.87
XBADJ	TRU16	-126.12	-130.54	-133.31	-144.05	-151.63	-154.60
XBADJ	TRU16	-152.88	-146.51	-135.69	-120.75	-102.89	-92.60
XBADJ	TRU16	-122.69	-151.13	-175.59	-194.72	-207.94	-214.83
XBADJ	TRU16	-215.20	-209.02	-200.28	-197.36	-188.44	-173.79
XBADJ	TRU16	-153.87	-129.27	-100.74	-69.15	-35.46	-8.85
XBADJ	TRU17	-32.27	-54.59	-75.26	-93.63	-109.17	-121.38
XBADJ	TRU17	-129.91	-134.49	-137.30	-147.96	-155.34	-158.00
XBADJ	TRU17	-155.86	-148.98	-137.58	-122.00	-103.47	-92.48
XBADJ	TRU17	-121.88	-149.65	-173.50	-192.07	-204.80	-211.31
XBADJ	TRU17	-211.40	-205.07	-196.29	-193.45	-184.73	-170.40
XBADJ	TRU17	-150.89	-126.79	-98.85	-67.90	-34.88	-8.97
XBADJ	TRU18	-33.18	-56.17	-77.46	-96.39	-112.40	-124.98

XBADJ	TRU18	-133.78	-138.50	-141.34	-151.90	-159.06	-161.39
XBADJ	TRU18	-158.82	-151.42	-139.42	-123.18	-103.96	-92.27
XBADJ	TRU18	-120.97	-148.07	-171.29	-189.31	-201.57	-207.71
XBADJ	TRU18	-207.54	-201.06	-192.25	-189.51	-181.00	-167.00
XBADJ	TRU18	-147.93	-124.36	-97.01	-66.71	-34.39	-9.18
XBADJ	TRU19	-33.92	-57.59	-79.50	-99.01	-115.50	-128.49
XBADJ	TRU19	-137.57	-142.47	-145.36	-155.85	-162.83	-164.85
XBADJ	TRU19	-161.87	-153.97	-141.40	-124.52	-104.62	-92.23
XBADJ	TRU19	-120.24	-146.66	-169.25	-186.69	-198.47	-204.21
XBADJ	TRU19	-203.75	-197.09	-188.23	-185.55	-177.24	-163.54
XBADJ	TRU19	-144.87	-121.80	-95.03	-65.37	-33.73	-9.22
XBADJ	TRU20	-35.58	-60.55	-83.69	-104.28	-121.71	-135.43
XBADJ	TRU20	-145.05	-150.25	-153.21	-163.53	-170.10	-171.50
XBADJ	TRU20	-167.69	-158.79	-145.06	-126.92	-105.69	-91.93
XBADJ	TRU20	-118.58	-143.70	-165.06	-181.42	-192.26	-197.26
XBADJ	TRU20	-196.27	-189.31	-180.38	-177.88	-169.97	-156.89
XBADJ	TRU20	-139.05	-116.99	-91.37	-62.97	-32.66	-9.52
XBADJ	TRU21	-36.23	-61.88	-85.64	-106.81	-124.73	-138.86
XBADJ	TRU21	-148.77	-154.16	-157.19	-167.46	-173.85	-174.97
XBADJ	TRU21	-170.77	-161.38	-147.09	-128.32	-106.42	-91.97
XBADJ	TRU21	-117.93	-142.37	-163.11	-178.89	-189.24	-193.83
XBADJ	TRU21	-192.54	-185.40	-176.40	-173.95	-166.21	-153.43
XBADJ	TRU21	-135.98	-114.40	-89.34	-61.57	-31.93	-9.48
XBADJ	TRU22	-37.02	-63.32	-87.70	-109.41	-127.80	-142.30
XBADJ	TRU22	-152.48	-158.02	-161.09	-171.28	-177.48	-178.29
XBADJ	TRU22	-173.68	-163.79	-148.93	-129.54	-106.98	-91.85
XBADJ	TRU22	-117.13	-140.92	-161.06	-176.29	-186.17	-190.40
XBADJ	TRU22	-188.83	-181.54	-172.50	-170.13	-162.59	-150.11
XBADJ	TRU22	-133.07	-111.98	-87.50	-60.35	-31.37	-9.60
XBADJ	TRU23	-37.78	-64.72	-89.70	-111.96	-130.81	-145.69
XBADJ	TRU23	-156.14	-161.85	-164.96	-175.07	-181.09	-181.60
XBADJ	TRU23	-176.59	-166.22	-150.80	-130.79	-107.57	-91.77
XBADJ	TRU23	-116.38	-139.53	-159.05	-173.74	-183.16	-187.00
XBADJ	TRU23	-185.17	-177.71	-168.63	-166.33	-158.98	-146.80
XBADJ	TRU23	-130.16	-109.56	-85.63	-59.10	-30.78	-9.68
XBADJ	TRU24	-38.58	-66.20	-91.80	-114.61	-133.94	-149.20
XBADJ	TRU24	-159.92	-165.79	-168.94	-178.97	-184.79	-184.98
XBADJ	TRU24	-179.56	-168.69	-152.68	-132.04	-108.15	-91.65
XBADJ	TRU24	-115.57	-138.05	-156.96	-171.09	-180.03	-183.50
XBADJ	TRU24	-181.39	-173.77	-164.65	-162.43	-155.28	-143.41
XBADJ	TRU24	-127.18	-107.09	-83.75	-57.85	-30.21	-9.80
XBADJ	TRU25	-39.49	-67.78	-94.00	-117.37	-137.17	-152.80
XBADJ	TRU25	-163.79	-169.81	-172.98	-182.91	-188.51	-188.38
XBADJ	TRU25	-182.52	-171.12	-154.52	-133.23	-108.64	-91.44
XBADJ	TRU25	-114.66	-136.47	-154.76	-168.34	-176.80	-179.89
XBADJ	TRU25	-177.52	-169.75	-160.61	-158.49	-151.56	-140.02
XBADJ	TRU25	-124.22	-104.66	-81.91	-56.67	-29.71	-10.01
XBADJ	TRU26	-40.23	-69.19	-96.04	-119.98	-140.27	-156.30
XBADJ	TRU26	-167.58	-173.77	-177.00	-186.87	-192.27	-191.84
XBADJ	TRU26	-185.58	-173.68	-156.50	-134.56	-109.30	-91.40
XBADJ	TRU26	-113.92	-135.06	-152.71	-165.72	-173.70	-176.39
XBADJ	TRU26	-173.73	-165.79	-156.59	-154.54	-147.79	-136.56
XBADJ	TRU26	-121.17	-102.10	-79.93	-55.33	-29.05	-10.05
XBADJ	TRU27	-41.90	-72.17	-100.25	-125.29	-146.52	-163.29
XBADJ	TRU27	-175.11	-181.60	-184.90	-194.59	-199.59	-198.53
XBADJ	TRU27	-191.44	-178.52	-160.19	-136.98	-110.37	-91.10
XBADJ	TRU27	-112.26	-132.08	-148.50	-160.41	-167.45	-169.40

XBADJ	TRU27	-166.20	-157.96	-148.69	-146.81	-140.47	-129.86
XBADJ	TRU27	-115.31	-97.25	-76.24	-52.91	-27.98	-10.35
XBADJ	TRU28	-42.55	-73.50	-102.21	-127.82	-149.54	-166.72
XBADJ	TRU28	-178.84	-185.52	-188.88	-198.52	-203.35	-202.00
XBADJ	TRU28	-194.51	-181.11	-162.21	-138.38	-111.11	-91.14
XBADJ	TRU28	-111.61	-130.75	-146.55	-157.89	-164.43	-165.97
XBADJ	TRU28	-162.48	-154.04	-144.71	-142.88	-136.72	-126.40
XBADJ	TRU28	-112.24	-94.66	-74.22	-51.51	-27.25	-10.31
XBADJ	TRU29	-43.34	-74.94	-104.26	-130.42	-152.61	-170.16
XBADJ	TRU29	-182.54	-189.38	-192.78	-202.34	-206.97	-205.32
XBADJ	TRU29	-197.42	-183.53	-164.06	-139.60	-111.66	-91.02
XBADJ	TRU29	-110.81	-129.31	-144.49	-155.29	-161.36	-162.54
XBADJ	TRU29	-158.77	-150.18	-140.81	-139.06	-133.09	-123.08
XBADJ	TRU29	-109.33	-92.25	-72.37	-50.29	-26.69	-10.43
XBADJ	TRU30	-44.09	-76.34	-106.26	-132.96	-155.61	-173.54
XBADJ	TRU30	-186.20	-193.19	-196.64	-206.13	-210.57	-208.62
XBADJ	TRU30	-200.33	-185.95	-165.92	-140.85	-112.26	-90.94
XBADJ	TRU30	-110.06	-127.91	-142.49	-152.74	-158.35	-159.15
XBADJ	TRU30	-155.12	-146.37	-136.95	-135.28	-129.49	-119.78
XBADJ	TRU30	-106.42	-89.83	-70.51	-49.05	-26.10	-10.51
XBADJ	TRU31	-44.89	-77.81	-108.35	-135.61	-158.74	-177.05
XBADJ	TRU31	-189.98	-197.14	-200.63	-210.04	-214.28	-212.02
XBADJ	TRU31	-203.31	-188.43	-167.82	-142.11	-112.84	-90.83
XBADJ	TRU31	-109.26	-126.44	-140.40	-150.09	-155.23	-155.64
XBADJ	TRU31	-151.33	-142.42	-132.96	-131.37	-125.78	-116.38
XBADJ	TRU31	-103.43	-87.35	-68.61	-47.79	-25.51	-10.62
XBADJ	TRU32	-45.80	-79.38	-110.55	-138.36	-161.97	-180.66
XBADJ	TRU32	-193.85	-201.16	-204.67	-213.98	-218.01	-215.41
XBADJ	TRU32	-206.27	-190.86	-169.66	-143.29	-113.34	-90.62
XBADJ	TRU32	-108.35	-124.86	-138.20	-147.34	-152.00	-152.04
XBADJ	TRU32	-147.46	-138.40	-128.92	-127.43	-122.06	-112.98
XBADJ	TRU32	-100.47	-84.91	-66.77	-46.60	-25.02	-10.83
XBADJ	TRU33	-46.54	-80.80	-112.60	-140.98	-165.08	-184.16
XBADJ	TRU33	-197.64	-205.12	-208.69	-217.93	-221.77	-218.87
XBADJ	TRU33	-209.33	-193.42	-171.63	-144.63	-113.99	-90.58
XBADJ	TRU33	-107.61	-123.45	-136.16	-144.72	-148.89	-148.54
XBADJ	TRU33	-143.67	-134.44	-124.90	-123.47	-118.29	-109.52
XBADJ	TRU33	-97.42	-82.36	-64.80	-45.26	-24.36	-10.87
XBADJ	TRU34	-48.20	-83.76	-116.77	-146.23	-171.25	-191.07
XBADJ	TRU34	-205.08	-212.86	-216.49	-225.56	-229.00	-225.47
XBADJ	TRU34	-215.10	-198.19	-175.26	-147.01	-115.04	-90.27
XBADJ	TRU34	-105.95	-120.49	-131.99	-139.47	-142.72	-141.63
XBADJ	TRU34	-136.23	-126.70	-117.10	-115.85	-111.07	-102.92
XBADJ	TRU34	-91.65	-77.58	-61.17	-42.89	-23.31	-11.18
XBADJ	TRU35	-48.85	-85.08	-118.72	-148.76	-174.27	-194.49
XBADJ	TRU35	-208.80	-216.77	-220.47	-229.49	-232.75	-228.94
XBADJ	TRU35	-218.18	-200.78	-177.29	-148.41	-115.77	-90.31
XBADJ	TRU35	-105.30	-119.17	-130.03	-136.94	-139.69	-138.20
XBADJ	TRU35	-132.51	-122.79	-113.12	-111.92	-107.32	-99.45
XBADJ	TRU35	-88.57	-74.99	-59.14	-41.49	-22.58	-11.14
XBADJ	TRU36	-49.65	-86.53	-120.78	-151.36	-177.35	-197.94
XBADJ	TRU36	-212.52	-220.64	-224.38	-233.32	-236.38	-232.27
XBADJ	TRU36	-221.09	-203.20	-179.14	-149.63	-116.33	-90.19
XBADJ	TRU36	-104.51	-117.72	-127.97	-134.34	-136.62	-134.76
XBADJ	TRU36	-128.79	-118.92	-109.21	-108.09	-103.68	-96.13
XBADJ	TRU36	-85.65	-72.57	-57.29	-40.26	-22.02	-11.26

XBADJ	TRU37	-50.39	-87.92	-122.77	-153.90	-180.35	-201.32
XBADJ	TRU37	-216.17	-224.46	-228.24	-237.11	-239.99	-235.58
XBADJ	TRU37	-224.01	-205.63	-181.01	-150.88	-116.94	-90.12
XBADJ	TRU37	-103.77	-116.33	-125.98	-131.80	-133.62	-131.38
XBADJ	TRU37	-125.14	-115.10	-105.35	-104.30	-100.08	-92.82
XBADJ	TRU37	-82.74	-70.15	-55.42	-39.01	-21.42	-11.33
XBADJ	TRU38	-51.20	-89.39	-124.87	-156.55	-183.47	-204.82
XBADJ	TRU38	-219.95	-228.40	-232.22	-241.00	-243.69	-238.96
XBADJ	TRU38	-226.98	-208.10	-182.89	-152.13	-117.51	-90.00
XBADJ	TRU38	-102.96	-114.86	-123.89	-129.15	-130.49	-127.87
XBADJ	TRU38	-121.36	-111.16	-101.37	-100.40	-96.38	-89.43
XBADJ	TRU38	-79.77	-67.68	-53.53	-37.76	-20.84	-11.45
XBADJ	TRU39	-52.11	-90.97	-127.07	-159.31	-186.71	-208.44
XBADJ	TRU39	-223.83	-232.42	-236.27	-244.96	-247.42	-242.36
XBADJ	TRU39	-229.95	-210.54	-184.74	-153.32	-118.01	-89.79
XBADJ	TRU39	-102.05	-113.28	-121.68	-126.39	-127.26	-124.26
XBADJ	TRU39	-117.48	-107.14	-97.32	-96.45	-92.65	-86.03
XBADJ	TRU39	-76.80	-65.24	-51.69	-36.57	-20.35	-11.66
XBADJ	TRU40	-52.85	-92.38	-129.12	-161.93	-189.82	-211.94
XBADJ	TRU40	-227.62	-236.39	-240.29	-248.91	-251.18	-245.83
XBADJ	TRU40	-233.00	-213.09	-186.71	-154.66	-118.66	-89.75
XBADJ	TRU40	-101.31	-111.86	-119.64	-123.77	-124.15	-120.76
XBADJ	TRU40	-113.69	-103.17	-93.30	-92.50	-88.88	-82.57
XBADJ	TRU40	-73.75	-62.68	-49.72	-35.24	-19.69	-11.70
XBADJ	TRU41	-54.58	-95.40	-133.33	-167.21	-196.00	-218.84
XBADJ	TRU41	-235.04	-244.09	-248.04	-256.47	-258.33	-252.34
XBADJ	TRU41	-238.69	-217.78	-190.25	-156.94	-119.63	-89.36
XBADJ	TRU41	-99.58	-108.85	-115.42	-118.49	-117.96	-113.85
XBADJ	TRU41	-106.28	-95.47	-85.55	-84.93	-81.73	-76.05
XBADJ	TRU41	-68.06	-58.00	-46.18	-32.95	-18.73	-12.09
XBADJ	TRU42	-55.24	-96.74	-135.29	-169.74	-199.03	-222.28
XBADJ	TRU42	-238.77	-248.00	-252.02	-260.40	-262.08	-255.80
XBADJ	TRU42	-241.75	-220.36	-192.27	-158.33	-120.35	-89.39
XBADJ	TRU42	-98.92	-107.51	-113.46	-115.96	-114.93	-110.42
XBADJ	TRU42	-102.55	-91.56	-81.57	-81.01	-77.98	-72.59
XBADJ	TRU42	-64.99	-55.42	-44.16	-31.56	-18.01	-12.06
XBADJ	TRU43	-56.02	-98.18	-137.34	-172.34	-202.10	-225.72
XBADJ	TRU43	-242.48	-251.87	-255.93	-264.23	-265.72	-259.14
XBADJ	TRU43	-244.68	-222.79	-194.13	-159.57	-120.92	-89.28
XBADJ	TRU43	-98.13	-106.07	-111.41	-113.36	-111.87	-106.98
XBADJ	TRU43	-98.83	-87.69	-77.66	-77.18	-74.35	-69.26
XBADJ	TRU43	-62.07	-52.99	-42.30	-30.33	-17.43	-12.17
XBADJ	TRU44	-56.77	-99.57	-139.34	-174.88	-205.11	-229.10
XBADJ	TRU44	-246.13	-255.69	-259.79	-268.02	-269.32	-262.44
XBADJ	TRU44	-247.58	-225.21	-195.99	-160.81	-121.51	-89.20
XBADJ	TRU44	-97.38	-104.68	-109.41	-110.82	-108.86	-103.59
XBADJ	TRU44	-95.18	-83.87	-73.80	-73.39	-70.75	-65.96
XBADJ	TRU44	-59.16	-50.57	-40.44	-29.08	-16.84	-12.25
XBADJ	TRU45	-57.58	-101.05	-141.44	-177.53	-208.23	-232.61
XBADJ	TRU45	-249.91	-259.63	-263.77	-271.91	-273.02	-265.82
XBADJ	TRU45	-250.56	-227.67	-197.87	-162.06	-122.08	-89.08
XBADJ	TRU45	-96.57	-103.20	-107.32	-108.17	-105.73	-100.09
XBADJ	TRU45	-91.40	-79.93	-69.82	-69.49	-67.05	-62.57
XBADJ	TRU45	-56.19	-48.10	-38.56	-27.84	-16.27	-12.37
XBADJ	TRU46	-58.49	-102.63	-143.64	-180.30	-211.47	-236.22
XBADJ	TRU46	-253.79	-263.65	-267.82	-275.87	-276.75	-269.23
XBADJ	TRU46	-253.52	-230.12	-199.72	-163.25	-122.58	-88.87

XBADJ	TRU46	-95.66	-101.62	-105.11	-105.40	-102.50	-96.47
XBADJ	TRU46	-87.52	-75.91	-65.77	-65.54	-63.32	-59.17
XBADJ	TRU46	-53.22	-45.66	-36.71	-26.65	-15.77	-12.58
XBADJ	TTP1	13.05	3.95	-5.26	-14.31	-22.93	-30.85
XBADJ	TTP1	-37.83	-43.66	0.00	0.00	-84.27	-98.17
XBADJ	TTP1	-109.10	-116.71	-120.77	-121.17	-118.64	-123.19
XBADJ	TTP1	-167.20	-208.20	-243.50	-271.39	-291.04	-301.85
XBADJ	TTP1	-303.48	-295.90	0.00	0.00	-255.80	-230.22
XBADJ	TTP1	-197.65	-159.07	-115.66	-68.73	-19.71	21.74
XBADJ	TTP2	12.42	2.84	-6.82	-16.28	-25.24	-33.44
XBADJ	TTP2	-40.61	-46.56	0.00	0.00	-86.97	-100.64
XBADJ	TTP2	-111.26	-118.49	-122.13	-122.05	-119.03	-123.07
XBADJ	TTP2	-166.57	-207.09	-241.93	-269.42	-288.73	-299.26
XBADJ	TTP2	-300.70	-293.00	0.00	0.00	-253.10	-227.75
XBADJ	TTP2	-195.49	-157.28	-114.30	-67.84	-19.32	21.62
XBADJ	TTP3	11.89	1.80	-8.35	-18.24	-27.58	-36.08
XBADJ	TTP3	-43.48	-49.56	0.00	0.00	-89.84	-103.28
XBADJ	TTP3	-113.60	-120.45	-123.65	-123.10	-119.56	-123.07
XBADJ	TTP3	-166.04	-206.05	-240.41	-267.46	-286.39	-296.62
XBADJ	TTP3	-297.83	-290.00	0.00	0.00	-250.23	-225.11
XBADJ	TTP3	-193.15	-155.32	-112.77	-66.80	-18.80	21.62
XBADJ	TTP4	11.10	0.48	-10.14	-20.46	-30.16	-38.94
XBADJ	TTP4	-46.54	-52.72	0.00	0.00	-92.72	-105.90
XBADJ	TTP4	-115.86	-122.29	-125.02	-123.94	-119.86	-122.82
XBADJ	TTP4	-165.25	-204.73	-238.61	-265.24	-283.81	-293.76
XBADJ	TTP4	-294.78	-286.84	0.00	0.00	-247.35	-222.50
XBADJ	TTP4	-190.89	-153.48	-111.41	-65.95	-18.49	21.37
XBADJ	TTP5	10.45	-0.67	-11.77	-22.51	-32.57	-41.64
XBADJ	TTP5	-49.44	-55.74	0.00	0.00	-95.54	-108.48
XBADJ	TTP5	-118.11	-124.16	-126.44	-124.87	-120.27	-122.70
XBADJ	TTP5	-164.60	-203.58	-236.98	-263.19	-281.40	-291.06
XBADJ	TTP5	-291.87	-283.82	0.00	0.00	-244.52	-219.92
XBADJ	TTP5	-188.63	-151.61	-109.99	-65.02	-18.08	21.25
XBADJ	TTP6	10.06	-1.56	-13.13	-24.30	-34.73	-44.11
XBADJ	TTP6	-52.15	-58.60	0.00	0.00	-98.33	-111.07
XBADJ	TTP6	-120.43	-126.13	-128.00	-125.98	-120.90	-122.82
XBADJ	TTP6	-164.21	-202.69	-235.63	-261.40	-279.24	-288.59
XBADJ	TTP6	-289.17	-280.96	0.00	0.00	-241.74	-217.33
XBADJ	TTP6	-186.32	-149.65	-108.43	-63.91	-17.46	21.37
XBADJ	TTP7	9.32	-2.78	-14.80	-26.36	-37.12	-46.76
XBADJ	TTP7	-54.97	-61.52	0.00	0.00	-100.99	-113.47
XBADJ	TTP7	-122.51	-127.82	-129.25	-126.76	-121.17	-122.58
XBADJ	TTP7	-163.47	-201.47	-233.96	-259.34	-276.85	-285.94
XBADJ	TTP7	-286.34	-278.04	0.00	0.00	-239.08	-214.92
XBADJ	TTP7	-184.24	-147.95	-107.17	-63.14	-17.19	21.13
XBADJ	TTP8	8.69	-3.90	-16.36	-28.33	-39.44	-49.35
XBADJ	TTP8	-57.77	-64.42	0.00	0.00	-103.70	-115.95
XBADJ	TTP8	-124.68	-129.62	-130.62	-127.65	-121.56	-122.46
XBADJ	TTP8	-162.84	-200.35	-232.39	-257.37	-274.52	-283.34
XBADJ	TTP8	-283.55	-275.14	0.00	0.00	-236.36	-212.44
XBADJ	TTP8	-182.07	-146.16	-105.81	-62.25	-16.79	21.01
XBADJ	TTP9	8.16	-4.94	-17.88	-30.29	-41.77	-51.99
XBADJ	TTP9	-60.62	-67.42	0.00	0.00	-106.56	-118.59
XBADJ	TTP9	-127.01	-131.57	-132.14	-128.69	-122.08	-122.46
XBADJ	TTP9	-162.32	-199.31	-230.87	-255.41	-272.20	-280.71
XBADJ	TTP9	-280.69	-272.14	0.00	0.00	-233.51	-209.81
XBADJ	TTP9	-179.74	-144.21	-104.29	-61.21	-16.27	21.01

XBADJ	TTP10	7.36	-6.26	-19.69	-32.52	-44.36	-54.86
XBADJ	TTP10	-63.69	-70.58	0.00	0.00	-109.45	-121.21
XBADJ	TTP10	-129.27	-133.42	-133.50	-129.53	-122.39	-122.21
XBADJ	TTP10	-161.52	-197.99	-229.07	-253.18	-269.61	-277.84
XBADJ	TTP10	-277.63	-268.98	0.00	0.00	-230.61	-207.19
XBADJ	TTP10	-177.47	-142.36	-102.92	-60.36	-15.96	20.76
XBADJ	TTP11	6.72	-7.41	-21.31	-34.56	-46.77	-57.55
XBADJ	TTP11	-66.58	-73.60	0.00	-97.35	-112.27	-123.78
XBADJ	TTP11	-131.53	-135.28	-134.92	-130.46	-122.80	-122.09
XBADJ	TTP11	-160.87	-196.84	-227.44	-251.14	-267.20	-275.14
XBADJ	TTP11	-274.73	-265.96	0.00	-244.06	-227.80	-204.62
XBADJ	TTP11	-175.22	-140.50	-101.51	-59.43	-15.55	20.64
XBADJ	TTP12	6.33	-8.29	-22.67	-36.35	-48.93	-60.02
XBADJ	TTP12	-69.29	-76.45	0.00	-100.24	-115.05	-126.37
XBADJ	TTP12	-133.84	-137.25	-136.48	-131.57	-123.42	-122.21
XBADJ	TTP12	-160.48	-195.95	-226.09	-249.35	-265.04	-272.68
XBADJ	TTP12	-272.03	-263.11	0.00	-241.16	-225.01	-202.03
XBADJ	TTP12	-172.91	-138.53	-99.94	-58.32	-14.93	20.76
XBADJ	TTP13	5.64	-9.53	-24.42	-38.56	-51.52	-62.93
XBADJ	TTP13	-72.42	-79.71	0.00	-103.46	-118.10	-129.16
XBADJ	TTP13	-136.28	-139.27	-138.02	-132.59	-123.88	-122.09
XBADJ	TTP13	-159.79	-194.72	-224.34	-247.15	-262.44	-269.77
XBADJ	TTP13	-268.89	-259.85	0.00	-237.94	-221.96	-199.24
XBADJ	TTP13	-170.46	-136.51	-98.40	-57.31	-14.47	20.64
XBADJ	TTP14	5.01	-10.64	-25.98	-40.52	-53.84	-65.52
XBADJ	TTP14	-75.20	-82.61	0.00	-106.32	-120.81	-131.62
XBADJ	TTP14	-138.44	-141.06	-139.38	-133.47	-124.27	-121.97
XBADJ	TTP14	-159.17	-193.60	-222.77	-245.18	-260.13	-267.18
XBADJ	TTP14	-266.11	-256.95	0.00	-235.09	-219.26	-196.77
XBADJ	TTP14	-168.30	-134.72	-97.05	-56.42	-14.09	20.52
XBADJ	TTP15	4.48	-11.69	-27.50	-42.49	-56.18	-68.16
XBADJ	TTP15	-78.07	-85.61	0.00	-109.32	-123.67	-134.27
XBADJ	TTP15	-140.78	-143.02	-140.91	-134.51	-124.80	-121.97
XBADJ	TTP15	-158.64	-192.56	-221.25	-243.22	-257.79	-264.54
XBADJ	TTP15	-263.24	-253.95	0.00	-232.08	-216.39	-194.13
XBADJ	TTP15	-165.97	-132.76	-95.52	-55.38	-13.56	20.52
XBADJ	TTP16	3.70	-12.99	-29.29	-44.70	-58.75	-71.02
XBADJ	TTP16	-81.12	-88.76	0.00	-112.39	-126.56	-136.88
XBADJ	TTP16	-143.05	-144.86	-142.28	-135.37	-125.11	-121.73
XBADJ	TTP16	-157.85	-191.25	-219.46	-241.00	-255.22	-261.68
XBADJ	TTP16	-260.19	-250.80	0.00	-229.01	-213.51	-191.51
XBADJ	TTP16	-163.70	-130.91	-94.15	-54.53	-13.24	20.28
XBADJ	TTP17	3.05	-14.15	-30.92	-46.75	-61.16	-73.72
XBADJ	TTP17	-84.03	-91.79	0.00	-115.38	-129.39	-139.46
XBADJ	TTP17	-145.31	-146.73	-143.70	-136.30	-125.52	-121.61
XBADJ	TTP17	-157.21	-190.10	-217.83	-238.95	-252.80	-258.98
XBADJ	TTP17	-257.28	-247.77	0.00	-226.03	-210.68	-188.93
XBADJ	TTP17	-161.44	-129.05	-92.73	-53.59	-12.83	20.16
XBADJ	TTP18	2.66	-15.04	-32.28	-48.54	-63.32	-76.19
XBADJ	TTP18	-86.73	-94.64	0.00	-118.27	-132.17	-142.05
XBADJ	TTP18	-147.62	-148.70	-145.26	-137.41	-126.14	-121.73
XBADJ	TTP18	-156.82	-189.21	-216.48	-237.16	-250.64	-256.51
XBADJ	TTP18	-254.58	-244.92	0.00	-223.13	-207.90	-186.34
XBADJ	TTP18	-159.13	-127.08	-91.17	-52.48	-12.21	20.28
XBADJ	TTP19	1.85	-16.40	-34.14	-50.84	-66.00	-79.16
XBADJ	TTP19	-89.91	-97.93	0.00	-121.47	-135.18	-144.78

XBADJ	TTP19	-149.98	-150.62	-146.69	-138.30	-126.47	-121.48
XBADJ	TTP19	-156.00	-187.85	-214.62	-234.86	-247.96	-253.54
XBADJ	TTP19	-251.40	-241.63	0.00	-219.94	-204.89	-183.62
XBADJ	TTP19	-156.77	-125.15	-89.74	-51.59	-11.88	20.03
XBADJ	TTP20	1.22	-17.51	-35.70	-52.81	-68.32	-81.75
XBADJ	TTP20	-92.69	-100.82	0.00	-124.32	-137.88	-147.25
XBADJ	TTP20	-152.14	-152.41	-148.05	-139.19	-126.86	-121.36
XBADJ	TTP20	-155.37	-186.74	-213.05	-232.89	-245.65	-250.95
XBADJ	TTP20	-248.62	-238.74	0.00	-217.08	-202.19	-181.15
XBADJ	TTP20	-154.61	-123.37	-88.38	-50.71	-11.49	19.91
XBADJ	TTP21	0.69	-18.55	-37.23	-54.77	-70.65	-84.39
XBADJ	TTP21	-95.56	-103.83	0.00	-127.33	-140.75	-149.89
XBADJ	TTP21	-154.48	-154.37	-149.57	-140.23	-127.39	-121.36
XBADJ	TTP21	-154.85	-185.70	-211.53	-230.93	-243.31	-248.30
XBADJ	TTP21	-245.75	-235.73	0.00	-214.08	-199.32	-178.51
XBADJ	TTP21	-152.27	-121.41	-86.86	-49.66	-10.96	19.91
XBADJ	TTP22	-0.09	-19.86	-39.02	-56.99	-73.23	-87.25
XBADJ	TTP22	-98.61	-106.98	0.00	-130.40	-143.63	-152.50
XBADJ	TTP22	-156.74	-156.22	-150.94	-141.09	-127.70	-121.12
XBADJ	TTP22	-154.06	-184.39	-209.74	-228.71	-240.74	-245.45
XBADJ	TTP22	-242.70	-232.58	0.00	-211.01	-196.43	-175.89
XBADJ	TTP22	-150.01	-119.56	-85.48	-48.81	-10.65	19.67
XBADJ	TTP23	-0.74	-21.01	-40.64	-59.04	-75.64	-89.95
XBADJ	TTP23	-101.52	-110.01	0.00	-133.38	-146.46	-155.09
XBADJ	TTP23	-159.00	-158.09	-152.37	-142.02	-128.11	-121.00
XBADJ	TTP23	-153.41	-183.24	-208.11	-226.66	-238.32	-242.75
XBADJ	TTP23	-239.79	-229.55	0.00	-208.02	-193.61	-173.31
XBADJ	TTP23	-147.75	-117.69	-84.06	-47.88	-10.24	19.55
XBADJ	TTP24	-1.13	-21.90	-42.00	-60.83	-77.80	-92.42
XBADJ	TTP24	-104.22	-112.86	0.00	-136.28	-149.24	-157.67
XBADJ	TTP24	-161.31	-160.05	-153.93	-143.13	-128.74	-121.12
XBADJ	TTP24	-153.02	-182.35	-206.75	-224.88	-236.16	-240.28
XBADJ	TTP24	-237.09	-226.70	0.00	-205.13	-190.82	-170.72
XBADJ	TTP24	-145.43	-115.72	-82.50	-46.77	-9.61	19.67
XBADJ	TTP25	-1.74	-22.97	-43.50	-62.72	-80.03	-94.90
XBADJ	TTP25	-106.89	-115.64	0.00	-139.01	-151.83	-160.04
XBADJ	TTP25	-163.38	-161.76	-155.23	-143.97	-129.10	-121.00
XBADJ	TTP25	-152.42	-181.28	-205.25	-222.98	-233.94	-237.79
XBADJ	TTP25	-234.42	-223.92	0.00	-202.39	-188.23	-168.36
XBADJ	TTP25	-143.36	-114.02	-81.20	-45.92	-9.25	19.55
XBADJ	TTP26	-2.36	-24.08	-45.07	-64.69	-82.34	-97.49
XBADJ	TTP26	-109.68	-118.54	0.00	-141.87	-154.54	-162.51
XBADJ	TTP26	-165.54	-163.55	-156.58	-144.86	-129.49	-120.88
XBADJ	TTP26	-151.79	-180.17	-203.69	-221.02	-231.63	-235.20
XBADJ	TTP26	-231.63	-221.02	0.00	-199.54	-185.53	-165.89
XBADJ	TTP26	-141.20	-112.23	-79.85	-45.04	-8.86	19.43
XBADJ	TTP27	-2.89	-25.12	-46.59	-66.65	-84.68	-100.13
XBADJ	TTP27	-112.55	-121.54	0.00	-144.87	-157.40	-165.15
XBADJ	TTP27	-167.88	-165.51	-158.11	-145.90	-130.02	-120.88
XBADJ	TTP27	-151.26	-179.12	-202.16	-219.05	-229.29	-232.56
XBADJ	TTP27	-228.77	-218.02	0.00	-196.53	-182.66	-163.25
XBADJ	TTP27	-138.87	-110.27	-78.32	-43.99	-8.33	19.43
XBADJ	TTP28	-3.69	-26.44	-48.39	-68.87	-87.26	-102.99
XBADJ	TTP28	-115.60	-124.69	0.00	-147.94	-160.29	-167.76
XBADJ	TTP28	-170.14	-167.35	-159.47	-146.75	-130.33	-120.63
XBADJ	TTP28	-150.47	-177.81	-200.36	-216.83	-226.71	-229.70
XBADJ	TTP28	-225.71	-214.87	0.00	-193.46	-179.78	-160.63



XBADJ	TTP28	-136.61	-108.43	-76.96	-43.15	-8.03	19.18
XBADJ	TTP29	-4.33	-27.60	-50.02	-70.92	-89.67	-105.69
XBADJ	TTP29	-118.51	-127.72	0.00	-150.92	-163.11	-170.34
XBADJ	TTP29	-172.40	-169.22	-160.89	-147.68	-130.74	-120.51
XBADJ	TTP29	-149.82	-176.65	-198.74	-214.78	-224.30	-227.00
XBADJ	TTP29	-222.81	-211.84	0.00	-190.48	-176.96	-158.05
XBADJ	TTP29	-134.35	-106.56	-75.54	-42.22	-7.61	19.06
XBADJ	TTP30	-4.72	-28.48	-51.37	-72.71	-91.83	-108.16
XBADJ	TTP30	-121.21	-130.57	0.00	-153.82	-165.90	-172.93
XBADJ	TTP30	-174.71	-171.18	-162.46	-148.79	-131.36	-120.63
XBADJ	TTP30	-149.43	-175.77	-197.38	-212.99	-222.14	-224.53
XBADJ	TTP30	-220.10	-208.99	0.00	-187.59	-174.17	-155.46
XBADJ	TTP30	-132.03	-104.59	-73.97	-41.11	-6.99	19.18
XBADJ	TTP31	-5.18	-29.49	-52.92	-74.73	-94.27	-110.95
XBADJ	TTP31	-124.26	-133.79	0.00	-157.08	-169.03	-175.84
XBADJ	TTP31	-177.31	-173.39	-164.20	-150.03	-132.05	-120.75
XBADJ	TTP31	-148.98	-174.75	-195.84	-210.97	-219.69	-221.74
XBADJ	TTP31	-217.05	-205.77	0.00	-184.32	-171.04	-152.56
XBADJ	TTP31	-129.44	-102.39	-72.22	-39.87	-6.30	19.30
XBADJ	TTP32	-5.80	-30.61	-54.48	-76.70	-96.59	-113.54
XBADJ	TTP32	-127.05	-136.69	0.00	-159.94	-171.73	-178.31
XBADJ	TTP32	-179.47	-175.18	-165.56	-150.91	-132.44	-120.63
XBADJ	TTP32	-148.35	-173.64	-194.27	-209.00	-217.38	-219.15
XBADJ	TTP32	-214.27	-202.87	0.00	-181.47	-168.34	-150.09
XBADJ	TTP32	-127.28	-100.60	-70.87	-38.98	-5.91	19.18
XBADJ	TTP33	-6.33	-31.65	-56.00	-78.66	-98.92	-116.18
XBADJ	TTP33	-129.91	-139.69	0.00	-162.94	-174.60	-180.95
XBADJ	TTP33	-181.81	-177.14	-167.09	-151.96	-132.97	-120.63
XBADJ	TTP33	-147.82	-172.60	-192.75	-207.04	-215.04	-216.51
XBADJ	TTP33	-211.40	-199.87	0.00	-178.47	-165.47	-147.45
XBADJ	TTP33	-124.94	-98.64	-69.34	-37.94	-5.38	19.18
XBADJ	TTP34	-7.12	-32.95	-57.79	-80.87	-101.50	-119.04
XBADJ	TTP34	-132.96	-142.85	0.00	-166.01	-177.48	-183.57
XBADJ	TTP34	-184.07	-178.98	-168.46	-152.81	-133.28	-120.39
XBADJ	TTP34	-147.04	-171.29	-190.96	-204.83	-212.47	-213.66
XBADJ	TTP34	-208.35	-196.71	0.00	-175.40	-162.58	-144.83
XBADJ	TTP34	-122.67	-96.79	-67.97	-37.08	-5.07	18.94
XBADJ	TTP35	-7.76	-34.11	-59.42	-82.93	-103.91	-121.74
XBADJ	TTP35	-135.87	-145.87	0.00	-168.99	-180.31	-186.15
XBADJ	TTP35	-186.33	-180.85	-169.88	-153.74	-133.69	-120.27
XBADJ	TTP35	-146.39	-170.14	-189.33	-202.77	-210.06	-210.95
XBADJ	TTP35	-205.44	-193.69	0.00	-172.41	-159.76	-142.25
XBADJ	TTP35	-120.42	-94.92	-66.55	-36.15	-4.66	18.82
XBADJ	TTP36	-8.15	-35.00	-60.78	-84.71	-106.07	-124.21
XBADJ	TTP36	-138.57	-148.73	0.00	-171.89	-183.09	-188.74
XBADJ	TTP36	-188.65	-182.82	-171.44	-154.85	-134.32	-120.39
XBADJ	TTP36	-146.00	-169.25	-187.98	-200.99	-207.90	-208.48
XBADJ	TTP36	-202.74	-190.83	0.00	-169.52	-156.97	-139.66
XBADJ	TTP36	-118.10	-92.96	-64.99	-35.04	-4.03	18.94
XBADJ	TTP37	-8.99	-36.40	-62.70	-87.10	-108.85	-127.29
XBADJ	TTP37	-141.86	-152.13	0.00	-175.20	-186.21	-191.57
XBADJ	TTP37	-191.10	-184.82	-172.93	-155.79	-134.67	-120.14
XBADJ	TTP37	-145.16	-167.85	-186.06	-198.61	-205.12	-205.41
XBADJ	TTP37	-199.45	-187.43	0.00	-166.20	-153.85	-136.83
XBADJ	TTP37	-115.65	-90.96	-63.50	-34.11	-3.69	18.69
XBADJ	TTP38	-9.62	-37.51	-64.26	-89.06	-111.16	-129.88

XBADJ	TTP38	-144.65	-155.02	0.00	-178.06	-188.92	-194.03
XBADJ	TTP38	-193.26	-186.61	-174.29	-156.67	-135.05	-120.02
XBADJ	TTP38	-144.54	-166.74	-184.49	-196.64	-202.81	-202.82
XBADJ	TTP38	-196.66	-184.54	0.00	-163.35	-151.15	-134.36
XBADJ	TTP38	-113.49	-89.17	-62.14	-33.22	-3.30	18.57
XBADJ	TTP39	-10.15	-38.55	-65.79	-91.02	-113.50	-132.52
XBADJ	TTP39	-147.51	-158.03	0.00	-181.06	-191.78	-196.68
XBADJ	TTP39	-195.59	-188.57	-175.81	-157.72	-135.58	-120.02
XBADJ	TTP39	-144.01	-165.70	-182.97	-194.68	-200.47	-200.18
XBADJ	TTP39	-193.80	-181.53	0.00	-160.34	-148.28	-131.72
XBADJ	TTP39	-111.15	-87.21	-60.62	-32.18	-2.77	18.57
XBADJ	TTP40	-10.93	-39.86	-67.58	-93.24	-116.07	-135.37
XBADJ	TTP40	-150.57	-161.18	0.00	-184.13	-194.67	-199.29
XBADJ	TTP40	-197.86	-190.41	-177.18	-158.57	-135.90	-119.78
XBADJ	TTP40	-143.22	-164.39	-181.18	-192.46	-197.90	-197.32
XBADJ	TTP40	-190.75	-178.38	0.00	-157.27	-145.40	-129.10
XBADJ	TTP40	-108.89	-85.36	-59.24	-31.33	-2.45	18.33
XBADJ	TTP41	-11.58	-41.01	-69.20	-95.29	-118.48	-138.08
XBADJ	TTP41	-153.47	-164.21	0.00	-187.12	-197.49	-201.87
XBADJ	TTP41	-200.12	-192.28	-178.61	-159.50	-136.31	-119.66
XBADJ	TTP41	-142.58	-163.23	-179.55	-190.41	-195.48	-194.62
XBADJ	TTP41	-187.84	-175.35	0.00	-154.29	-142.57	-126.52
XBADJ	TTP41	-106.63	-83.49	-57.82	-30.39	-2.04	18.21
XBADJ	TTP42	-11.97	-41.90	-70.56	-97.08	-120.64	-140.54
XBADJ	TTP42	-156.18	-167.06	0.00	-190.01	-200.28	-204.46
XBADJ	TTP42	-202.43	-194.25	-180.17	-160.61	-136.93	-119.78
XBADJ	TTP42	-142.19	-162.35	-178.19	-188.62	-193.32	-192.15
XBADJ	TTP42	-185.14	-172.50	0.00	-151.39	-139.79	-123.93
XBADJ	TTP42	-104.31	-81.52	-56.26	-29.28	-1.42	18.33
XBADJ	TTP43	-12.45	-42.86	-71.96	-98.88	-122.79	-142.97
XBADJ	TTP43	-158.81	-169.82	0.00	-192.77	-202.91	-206.89
XBADJ	TTP43	-204.58	-196.05	-181.57	-161.57	-137.42	-119.78
XBADJ	TTP43	-141.70	-161.39	-176.79	-186.82	-191.18	-189.72
XBADJ	TTP43	-182.51	-169.74	0.00	-148.64	-137.16	-121.51
XBADJ	TTP43	-102.17	-79.73	-54.86	-28.33	-0.93	18.33
XBADJ	TTP44	-13.08	-43.97	-73.52	-100.85	-125.10	-145.56
XBADJ	TTP44	-161.59	-172.71	0.00	-195.62	-205.61	-209.36
XBADJ	TTP44	-206.74	-197.84	-182.93	-162.46	-137.81	-119.66
XBADJ	TTP44	-141.08	-160.28	-175.23	-184.86	-188.87	-187.14
XBADJ	TTP44	-179.72	-166.85	0.00	-145.78	-134.45	-119.04
XBADJ	TTP44	-100.01	-77.94	-53.50	-27.44	-0.54	18.21
XBADJ	TTP45	-13.61	-45.01	-75.05	-102.81	-127.44	-148.20
XBADJ	TTP45	-164.46	-175.72	0.00	-198.63	-208.48	-212.00
XBADJ	TTP45	-209.07	-199.80	-184.45	-163.50	-138.34	-119.66
XBADJ	TTP45	-140.55	-159.24	-173.70	-182.90	-186.53	-184.49
XBADJ	TTP45	-176.86	-163.84	0.00	-142.78	-131.59	-116.40
XBADJ	TTP45	-97.67	-75.98	-51.98	-26.40	-0.01	18.21
XBADJ	TTP46	-14.40	-46.33	-76.85	-105.03	-130.02	-151.06
XBADJ	TTP46	-167.51	-178.87	0.00	-201.70	-211.36	-214.61
XBADJ	TTP46	-211.33	-201.64	-185.81	-164.34	-138.64	-119.41
XBADJ	TTP46	-139.75	-157.92	-171.91	-180.67	-183.95	-181.63
XBADJ	TTP46	-173.80	-160.69	0.00	-139.71	-128.70	-113.79
XBADJ	TTP46	-95.41	-74.14	-50.61	-25.55	0.29	17.96
XBADJ	TTP47	-15.05	-47.48	-78.48	-107.08	-132.43	-153.76
XBADJ	TTP47	-170.42	-181.90	0.00	-204.68	-214.19	-217.19
XBADJ	TTP47	-213.59	-203.51	-187.23	-165.28	-139.05	-119.29
XBADJ	TTP47	-139.10	-156.76	-170.28	-178.62	-181.53	-178.93

XBADJ	TTP47	-170.89	-157.66	0.00	-136.73	-125.88	-111.21
XBADJ	TTP47	-93.15	-72.27	-49.19	-24.62	0.70	17.84
XBADJ	TTP48	-15.44	-48.37	-79.83	-108.87	-134.59	-156.23
XBADJ	TTP48	-173.12	-184.75	0.00	-207.58	-216.97	-219.78
XBADJ	TTP48	-215.91	-205.47	-188.80	-166.39	-139.68	-119.41
XBADJ	TTP48	-138.72	-155.88	-168.92	-176.84	-179.37	-176.46
XBADJ	TTP48	-168.19	-154.81	0.00	-133.83	-123.09	-108.62
XBADJ	TTP48	-90.84	-70.30	-47.63	-23.51	1.33	17.96
XBADJ	TTP49	-16.15	-49.65	-81.64	-111.15	-137.28	-159.24
XBADJ	TTP49	-176.37	-188.13	0.00	-210.91	-220.14	-222.67
XBADJ	TTP49	-218.44	-207.57	-190.40	-167.44	-140.15	-119.29
XBADJ	TTP49	-138.00	-154.60	-167.11	-174.55	-176.68	-173.45
XBADJ	TTP49	-164.94	-151.43	0.00	-130.49	-119.93	-105.72
XBADJ	TTP49	-88.30	-68.20	-46.03	-22.46	1.80	17.84
XBADJ	TTP50	-16.78	-50.76	-83.20	-113.12	-139.60	-161.83
XBADJ	TTP50	-179.15	-191.03	0.00	-213.77	-222.84	-225.14
XBADJ	TTP50	-220.60	-209.36	-191.76	-168.33	-140.54	-119.17
XBADJ	TTP50	-137.38	-153.49	-165.55	-172.58	-174.37	-170.86
XBADJ	TTP50	-162.16	-148.53	0.00	-127.64	-117.23	-103.25
XBADJ	TTP50	-86.14	-66.42	-44.67	-21.57	2.19	17.72
XBADJ	TTP51	-17.30	-51.80	-84.73	-115.08	-141.93	-164.48
XBADJ	TTP51	-182.02	-194.03	0.00	-216.77	-225.71	-227.78
XBADJ	TTP51	-222.94	-211.32	-193.28	-169.37	-141.07	-119.17
XBADJ	TTP51	-136.85	-152.44	-164.03	-170.62	-172.03	-168.22
XBADJ	TTP51	-159.29	-145.53	0.00	-124.63	-114.36	-100.61
XBADJ	TTP51	-83.81	-64.46	-43.15	-20.53	2.72	17.72
XBADJ	TTP52	-18.09	-53.11	-86.52	-117.29	-144.51	-167.33
XBADJ	TTP52	-185.07	-197.19	0.00	-219.84	-228.59	-230.40
XBADJ	TTP52	-225.20	-213.17	-194.65	-170.22	-141.38	-118.93
XBADJ	TTP52	-136.06	-151.14	-162.24	-168.41	-169.46	-165.36
XBADJ	TTP52	-156.24	-142.37	0.00	-121.56	-111.47	-98.00
XBADJ	TTP52	-81.54	-62.61	-41.78	-19.67	3.03	17.48
XBADJ	TTP53	-18.75	-54.28	-88.15	-119.35	-146.93	-170.04
XBADJ	TTP53	-187.98	-200.21	0.00	-222.82	-231.41	-232.98
XBADJ	TTP53	-227.46	-215.03	-196.07	-171.15	-141.78	-118.80
XBADJ	TTP53	-135.41	-149.97	-160.60	-166.35	-167.04	-162.66
XBADJ	TTP53	-153.33	-139.35	0.00	-118.58	-108.65	-95.42
XBADJ	TTP53	-79.29	-60.75	-40.36	-18.75	3.43	17.35
XBADJ	TTP54	-19.13	-55.15	-89.50	-121.13	-149.08	-172.50
XBADJ	TTP54	-190.68	-203.07	0.00	-225.72	-234.20	-235.57
XBADJ	TTP54	-229.78	-217.00	-197.64	-172.27	-142.42	-118.93
XBADJ	TTP54	-135.03	-149.10	-159.25	-164.57	-164.89	-160.19
XBADJ	TTP54	-150.63	-136.49	0.00	-115.68	-105.86	-92.83
XBADJ	TTP54	-76.97	-58.77	-38.79	-17.63	4.07	17.48
XBADJ	TTP55	-20.02	-56.54	-91.34	-123.37	-151.65	-175.32
XBADJ	TTP55	-193.66	-206.12	0.00	-228.65	-236.93	-238.02
XBADJ	TTP55	-231.87	-218.68	-198.84	-172.96	-142.58	-118.56
XBADJ	TTP55	-134.14	-147.71	-157.41	-162.33	-162.32	-157.38
XBADJ	TTP55	-147.65	-133.44	0.00	-112.75	-103.13	-90.38
XBADJ	TTP55	-74.88	-57.10	-37.59	-16.94	4.23	17.11
XBADJ	TTP56	-20.65	-57.65	-92.91	-125.34	-153.97	-177.92
XBADJ	TTP56	-196.46	-209.03	0.00	-231.52	-239.65	-240.49
XBADJ	TTP56	-234.04	-220.47	-200.20	-173.85	-142.97	-118.44
XBADJ	TTP56	-133.51	-146.59	-155.84	-160.36	-160.00	-154.78
XBADJ	TTP56	-144.85	-130.53	0.00	-109.89	-100.42	-87.90
XBADJ	TTP56	-72.71	-55.31	-36.23	-16.05	4.62	16.99

XBADJ	TTP57	-21.17	-58.69	-94.43	-127.30	-156.30	-180.55
XBADJ	TTP57	-199.31	-212.02	0.00	-234.51	-242.50	-243.13
XBADJ	TTP57	-236.37	-222.42	-201.72	-174.89	-143.50	-118.44
XBADJ	TTP57	-132.98	-145.55	-154.32	-158.40	-157.67	-152.14
XBADJ	TTP57	-142.00	-127.54	0.00	-106.90	-97.56	-85.27
XBADJ	TTP57	-70.38	-53.36	-34.71	-15.01	5.15	16.99
XBADJ	TTP58	-21.96	-60.00	-96.22	-129.52	-158.88	-183.42
XBADJ	TTP58	-202.38	-215.19	0.00	-237.59	-245.40	-245.75
XBADJ	TTP58	-238.64	-224.27	-203.10	-175.75	-143.81	-118.20
XBADJ	TTP58	-132.19	-144.24	-152.53	-156.18	-155.09	-149.28
XBADJ	TTP58	-138.94	-124.37	0.00	-103.82	-94.67	-82.64
XBADJ	TTP58	-68.11	-51.50	-33.33	-14.15	5.46	16.75
XBADJ	TTP59	-22.62	-61.17	-97.86	-131.57	-161.29	-186.11
XBADJ	TTP59	-205.28	-218.20	0.00	-240.56	-248.21	-248.32
XBADJ	TTP59	-240.88	-226.13	-204.50	-176.66	-144.21	-118.07
XBADJ	TTP59	-131.54	-143.08	-150.90	-154.13	-152.67	-146.58
XBADJ	TTP59	-136.04	-121.36	0.00	-100.84	-91.86	-80.08
XBADJ	TTP59	-65.86	-49.65	-31.92	-13.23	5.86	16.62
XBADJ	TTP60	-23.00	-62.04	-99.20	-133.35	-163.45	-188.58
XBADJ	TTP60	-207.98	-221.06	0.00	-243.46	-251.00	-250.91
XBADJ	TTP60	-243.20	-228.11	-206.08	-177.78	-144.85	-118.20
XBADJ	TTP60	-131.16	-142.21	-149.55	-152.35	-150.52	-144.12
XBADJ	TTP60	-133.34	-118.50	0.00	-97.95	-89.07	-77.48
XBADJ	TTP60	-63.54	-47.67	-30.35	-12.11	6.50	16.75
XBADJ	TTP61	-23.45	-63.05	-100.75	-135.37	-165.89	-191.37
XBADJ	TTP61	-211.03	0.00	0.00	-246.72	-254.13	-253.82
XBADJ	TTP61	-245.80	-230.31	-207.82	-179.02	-145.54	-118.32
XBADJ	TTP61	-130.71	-141.19	-148.01	-150.33	-148.08	-141.33
XBADJ	TTP61	-130.29	0.00	0.00	-94.69	-85.93	-74.57
XBADJ	TTP61	-60.94	-45.46	-28.60	-10.87	7.19	16.87
XBADJ	TTP62	-24.08	-64.17	-102.31	-137.35	-168.21	-193.96
XBADJ	TTP62	-213.82	0.00	0.00	-249.58	-256.84	-256.30
XBADJ	TTP62	-247.97	-232.10	-209.19	-179.91	-145.93	-118.20
XBADJ	TTP62	-130.08	-140.08	-146.44	-148.35	-145.76	-138.73
XBADJ	TTP62	-127.49	0.00	0.00	-91.82	-83.22	-72.10
XBADJ	TTP62	-58.78	-43.67	-27.24	-9.98	7.58	16.75
XBADJ	TTP63	-24.60	-65.21	-103.83	-139.30	-170.54	-196.60
XBADJ	TTP63	-216.68	0.00	0.00	-252.58	-259.70	-258.93
XBADJ	TTP63	-250.30	-234.06	-210.71	-180.95	-146.46	-118.20
XBADJ	TTP63	-129.55	-139.04	-144.92	-146.40	-143.43	-136.10
XBADJ	TTP63	-124.63	0.00	0.00	-88.83	-80.37	-69.46
XBADJ	TTP63	-56.45	-41.72	-25.72	-8.94	8.11	16.75
XBADJ	TTP64	-25.40	-66.53	-105.64	-141.53	-173.13	-199.47
XBADJ	TTP64	-219.74	0.00	0.00	-255.66	-262.59	-261.55
XBADJ	TTP64	-252.57	-235.90	-212.07	-181.80	-146.76	-117.95
XBADJ	TTP64	-128.75	-137.72	-143.12	-144.17	-140.84	-133.23
XBADJ	TTP64	-121.57	0.00	0.00	-85.75	-77.47	-66.84
XBADJ	TTP64	-54.18	-39.87	-24.35	-8.09	8.41	16.50
XBADJ	TTP65	-26.05	-67.68	-107.26	-143.58	-175.54	-202.16
XBADJ	TTP65	-222.64	0.00	0.00	-258.63	-265.41	-264.13
XBADJ	TTP65	-254.82	-237.77	-213.49	-182.73	-147.17	-117.83
XBADJ	TTP65	-128.11	-136.57	-141.49	-142.12	-138.43	-130.54
XBADJ	TTP65	-118.67	0.00	0.00	-82.78	-74.66	-64.27
XBADJ	TTP65	-51.93	-38.01	-22.94	-7.17	8.82	16.38
XBADJ	TTP66	-26.44	-68.57	-108.62	-145.36	-177.70	-204.63
XBADJ	TTP66	-225.34	0.00	0.00	-261.53	-268.19	-266.72
XBADJ	TTP66	-257.13	-239.74	-215.05	-183.84	-147.80	-117.95

XBADJ	TTP66	-127.72	-135.68	-140.14	-140.34	-136.27	-128.07
XBADJ	TTP66	-115.97	0.00	0.00	-79.88	-71.87	-61.68
XBADJ	TTP66	-49.62	-36.04	-21.37	-6.06	9.45	16.50
XBADJ	TTP67	-27.20	-69.84	-110.35	-147.51	-180.19	-207.39
XBADJ	TTP67	-228.29	0.00	0.00	-264.49	-270.98	-269.24
XBADJ	TTP67	-259.31	-241.51	-216.37	-184.66	-148.09	-117.71
XBADJ	TTP67	-126.95	-134.41	-138.41	-138.19	-133.78	-125.31
XBADJ	TTP67	-113.02	0.00	0.00	-76.92	-69.09	-59.16
XBADJ	TTP67	-47.43	-34.27	-20.06	-5.24	9.74	16.26
XBADJ	TTP68	-27.83	-70.95	-111.91	-149.48	-182.50	-209.98
XBADJ	TTP68	-231.08	0.00	0.00	-267.34	-273.68	-271.71
XBADJ	TTP68	-261.47	-243.30	-217.73	-185.54	-148.48	-117.59
XBADJ	TTP68	-126.33	-133.30	-136.84	-136.22	-131.47	-122.72
XBADJ	TTP68	-110.24	0.00	0.00	-74.06	-66.39	-56.69
XBADJ	TTP68	-45.27	-32.48	-18.70	-4.35	10.13	16.14
XBADJ	TTP69	-28.35	-71.99	-113.43	-151.43	-184.83	-212.61
XBADJ	TTP69	-233.93	0.00	0.00	-270.34	-276.54	-274.34
XBADJ	TTP69	-263.80	-245.25	-219.25	-186.58	-149.01	-117.59
XBADJ	TTP69	-125.80	-132.26	-135.32	-134.27	-129.14	-120.08
XBADJ	TTP69	-107.38	0.00	0.00	-71.07	-63.53	-54.06
XBADJ	TTP69	-42.94	-30.53	-17.18	-3.31	10.66	16.14
XBADJ	TTP70	-29.15	-73.31	-115.23	-153.66	-187.42	-215.48
XBADJ	TTP70	-237.00	0.00	0.00	-273.41	-279.43	-276.96
XBADJ	TTP70	-266.07	-247.10	-220.62	-187.43	-149.31	-117.34
XBADJ	TTP70	-125.00	-130.94	-133.52	-132.04	-126.55	-117.21
XBADJ	TTP70	-104.32	0.00	0.00	-67.99	-60.64	-51.44
XBADJ	TTP70	-40.68	-28.68	-15.81	-2.46	10.96	15.89
XBADJ	TTP71	-29.80	-74.46	-116.86	-155.71	-189.82	-218.17
XBADJ	TTP71	-239.89	0.00	0.00	-276.39	-282.25	-279.53
XBADJ	TTP71	-268.32	-248.96	-222.03	-188.36	-149.72	-117.22
XBADJ	TTP71	-124.36	-129.79	-131.90	-130.00	-124.14	-114.52
XBADJ	TTP71	-101.42	0.00	0.00	-65.02	-57.82	-48.86
XBADJ	TTP71	-38.43	-26.82	-14.40	-1.54	11.37	15.77
XBADJ	TTP72	-30.19	-75.35	-118.22	-157.50	-191.99	-220.65
XBADJ	TTP72	-242.61	0.00	0.00	-279.29	-285.04	-282.13
XBADJ	TTP72	-270.64	-250.93	-223.60	-189.47	-150.35	-117.34
XBADJ	TTP72	-123.97	-128.90	-130.54	-128.20	-121.98	-112.04
XBADJ	TTP72	-98.71	0.00	0.00	-62.11	-55.03	-46.27
XBADJ	TTP72	-36.10	-24.84	-12.83	-0.42	12.00	15.89
XBADJ	TTP73	-30.85	-76.54	-119.90	-159.62	-194.49	-223.45
XBADJ	TTP73	-245.62	0.00	0.00	-282.39	-287.97	-284.81
XBADJ	TTP73	-272.99	-252.87	-225.08	-190.44	-150.78	-117.22
XBADJ	TTP73	-123.30	-127.71	-128.85	-126.08	-119.48	-109.25
XBADJ	TTP73	-95.70	0.00	0.00	-59.02	-52.10	-43.59
XBADJ	TTP73	-33.76	-22.90	-11.35	0.55	12.43	15.77
XBADJ	TTP74	-31.48	-77.66	-121.47	-161.60	-196.81	-226.05
XBADJ	TTP74	-248.41	0.00	0.00	-285.25	-290.68	-287.28
XBADJ	TTP74	-275.15	-254.67	-226.44	-191.33	-151.17	-117.10
XBADJ	TTP74	-122.67	-126.59	-127.28	-124.11	-117.16	-106.65
XBADJ	TTP74	-92.90	0.00	0.00	-56.16	-49.38	-41.11
XBADJ	TTP74	-31.59	-21.11	-9.99	1.44	12.82	15.65
XBADJ	TTP75	-32.01	-78.70	-122.99	-163.55	-199.14	-228.68
XBADJ	TTP75	-251.27	0.00	0.00	-288.24	-293.54	-289.92
XBADJ	TTP75	-277.48	-256.62	-227.96	-192.37	-151.70	-117.10
XBADJ	TTP75	-122.15	-125.55	-125.76	-122.15	-114.83	-104.02
XBADJ	TTP75	-90.04	0.00	0.00	-53.16	-46.53	-38.48
XBADJ	TTP75	-29.26	-19.16	-8.47	2.48	13.35	15.65

XBADJ	TTP76	-32.80	-80.01	-124.78	-165.77	-201.72	-231.54
XBADJ	TTP76	-254.33	0.00	0.00	-291.32	-296.44	-292.54
XBADJ	TTP76	-279.76	-258.47	-229.34	-193.23	-152.01	-116.86
XBADJ	TTP76	-121.36	-124.24	-123.97	-119.93	-112.25	-101.15
XBADJ	TTP76	-86.98	0.00	0.00	-50.08	-43.63	-35.86
XBADJ	TTP76	-26.99	-17.30	-7.09	3.33	13.66	15.41
XBADJ	TTP77	-33.45	-81.17	-126.42	-167.83	-204.13	-234.24
XBADJ	TTP77	-257.23	0.00	0.00	-294.30	-299.25	-295.11
XBADJ	TTP77	-282.00	-260.33	-230.74	-194.15	-152.41	-116.73
XBADJ	TTP77	-120.70	-123.08	-122.34	-117.88	-109.83	-98.45
XBADJ	TTP77	-84.08	0.00	0.00	-47.11	-40.82	-33.29
XBADJ	TTP77	-24.74	-15.45	-5.69	4.25	14.06	15.28
XBADJ	TTP78	-33.83	-82.04	-127.76	-169.60	-206.29	-236.70
XBADJ	TTP78	-259.93	0.00	0.00	-297.19	-302.04	-297.70
XBADJ	TTP78	-284.32	-262.30	-232.32	-195.27	-153.05	-116.86
XBADJ	TTP78	-120.32	-122.20	-120.99	-116.10	-107.68	-95.99
XBADJ	TTP78	-81.38	0.00	0.00	-44.21	-38.03	-30.69
XBADJ	TTP78	-22.42	-13.47	-4.11	5.37	14.69	15.41
XBADJ	TTP79	-34.45	-83.12	-129.28	-171.50	-208.52	-239.19
XBADJ	TTP79	-262.61	0.00	0.00	-299.93	-304.62	-300.06
XBADJ	TTP79	-286.38	-264.00	-233.60	-196.10	-153.40	-116.73
XBADJ	TTP79	-119.71	-121.12	-119.48	-114.20	-105.45	-93.50
XBADJ	TTP79	-78.71	0.00	0.00	-41.48	-35.44	-28.33
XBADJ	TTP79	-20.36	-11.77	-2.83	6.21	15.05	15.28
XBADJ	TTP80	-35.07	-84.24	-130.85	-173.48	-210.84	-241.79
XBADJ	TTP80	0.00	0.00	0.00	-302.79	-307.34	-302.54
XBADJ	TTP80	-288.55	-265.80	-234.96	-196.99	-153.79	-116.61
XBADJ	TTP80	-119.08	-120.01	-117.91	-112.22	-103.13	-90.90
XBADJ	TTP80	0.00	0.00	0.00	-38.61	-32.73	-25.86
XBADJ	TTP80	-18.20	-9.98	-1.46	7.10	15.44	15.16
XBADJ	TTP81	-35.60	-85.28	-132.37	-175.43	-213.17	-244.42
XBADJ	TTP81	0.00	0.00	0.00	-305.79	-310.19	-305.17
XBADJ	TTP81	-290.88	-267.75	-236.48	-198.03	-154.32	-116.61
XBADJ	TTP81	-118.55	-118.97	-116.39	-110.27	-100.80	-88.27
XBADJ	TTP81	0.00	0.00	0.00	-35.62	-29.87	-23.22
XBADJ	TTP81	-15.87	-8.03	0.06	8.14	15.97	15.16
XBADJ	TTP82	-36.39	-86.59	-134.16	-177.65	-215.75	-247.29
XBADJ	TTP82	0.00	0.00	0.00	-308.87	-313.09	-307.80
XBADJ	TTP82	-293.15	-269.60	-237.86	-198.89	-154.64	-116.37
XBADJ	TTP82	-117.77	-117.66	-114.60	-108.05	-98.22	-85.40
XBADJ	TTP82	0.00	0.00	0.00	-32.54	-26.98	-20.60
XBADJ	TTP82	-13.59	-6.17	1.43	9.00	16.29	14.92
XBADJ	TTP83	-37.03	-87.74	-135.78	-179.70	-218.16	-249.98
XBADJ	TTP83	0.00	0.00	0.00	-311.84	-315.90	-310.37
XBADJ	TTP83	-295.41	-271.47	-239.28	-199.82	-155.05	-116.25
XBADJ	TTP83	-117.12	-116.51	-112.97	-106.00	-95.81	-82.71
XBADJ	TTP83	0.00	0.00	0.00	-29.57	-24.16	-18.03
XBADJ	TTP83	-11.34	-4.31	2.85	9.92	16.70	14.80
XBADJ	STCK1	-118.50	-171.03	-218.36	-259.06	-291.89	-315.85
XBADJ	STCK1	-330.21	-334.54	-331.02	-329.46	-319.11	-299.07
XBADJ	STCK1	-269.93	-232.60	-188.20	-138.08	-84.52	-39.08
XBADJ	STCK1	-35.65	-33.22	-30.39	-26.64	-22.08	-16.85
XBADJ	STCK1	-11.10	-5.02	-2.57	-11.94	-20.96	-29.33
XBADJ	STCK1	-36.81	-43.18	-48.23	-51.82	-53.83	-62.37
XBADJ	STCK2	-108.59	-161.64	-209.79	-251.56	-285.69	-311.13
XBADJ	STCK2	-327.13	-333.18	-331.43	-331.63	-322.96	-304.49

XBADJ	STCK2	-276.76	-240.63	-197.18	-147.74	-94.58	-49.22
XBADJ	STCK2	-45.57	-42.61	-38.97	-34.14	-28.28	-21.56
XBADJ	STCK2	-14.19	-6.38	-2.16	-9.78	-17.10	-23.91
XBADJ	STCK2	-29.98	-35.15	-39.25	-42.15	-43.78	-52.23
YBADJ	IDLE1	-91.73	-79.73	-65.30	-48.88	-30.98	-12.14
YBADJ	IDLE1	7.07	26.44	46.28	61.56	76.01	88.46
YBADJ	IDLE1	98.22	105.00	108.58	108.87	105.85	100.34
YBADJ	IDLE1	91.73	79.73	65.30	48.88	30.98	12.14
YBADJ	IDLE1	-7.07	-26.44	-46.28	-61.56	-76.01	-88.46
YBADJ	IDLE1	-98.22	-105.00	-108.58	-108.87	-105.85	-100.34
YBADJ	IDLE2	-87.79	-76.01	-61.91	-45.93	-28.56	-10.31
YBADJ	IDLE2	8.24	26.93	46.06	60.64	74.42	86.25
YBADJ	IDLE2	95.45	101.76	104.98	105.00	101.83	96.30
YBADJ	IDLE2	87.79	76.01	61.91	45.93	28.56	10.31
YBADJ	IDLE2	-8.24	-26.93	-46.06	-60.64	-74.42	-86.25
YBADJ	IDLE2	-95.45	-101.76	-104.98	-105.00	-101.83	-96.30
YBADJ	IDLE3	-84.05	-72.44	-58.63	-43.04	-26.14	-8.45
YBADJ	IDLE3	9.50	27.54	46.01	59.93	73.07	84.30
YBADJ	IDLE3	92.97	98.81	101.65	101.40	98.07	92.49
YBADJ	IDLE3	84.05	72.44	58.63	43.04	26.14	8.45
YBADJ	IDLE3	-9.50	-27.54	-46.01	-59.93	-73.07	-84.30
YBADJ	IDLE3	-92.97	-98.81	-101.65	-101.40	-98.07	-92.49
YBADJ	IDLE4	-80.15	-68.74	-55.25	-40.08	-23.69	-6.58
YBADJ	IDLE4	10.73	28.09	45.87	59.10	71.57	82.18
YBADJ	IDLE4	90.30	95.66	98.13	97.61	94.12	88.50
YBADJ	IDLE4	80.15	68.74	55.25	40.08	23.69	6.58
YBADJ	IDLE4	-10.73	-28.09	-45.87	-59.10	-71.57	-82.18
YBADJ	IDLE4	-90.30	-95.66	-98.13	-97.61	-94.12	-88.50
YBADJ	IDLE5	-76.12	-64.91	-51.73	-36.97	-21.09	-4.57
YBADJ	IDLE5	12.09	28.76	45.83	58.35	70.14	80.10
YBADJ	IDLE5	87.64	92.50	94.56	93.75	90.09	84.41
YBADJ	IDLE5	76.12	64.91	51.73	36.97	21.09	4.57
YBADJ	IDLE5	-12.09	-28.76	-45.83	-58.35	-70.14	-80.10
YBADJ	IDLE5	-87.64	-92.50	-94.56	-93.75	-90.09	-84.41
YBADJ	IDLE6	-68.50	-57.67	-45.09	-31.14	-16.24	-0.85
YBADJ	IDLE6	14.57	29.92	45.63	56.80	67.29	76.04
YBADJ	IDLE6	82.48	86.42	87.73	86.37	82.39	76.63
YBADJ	IDLE6	68.50	57.67	45.09	31.14	16.24	0.85
YBADJ	IDLE6	-14.57	-29.92	-45.63	-56.80	-67.29	-76.04
YBADJ	IDLE6	-82.48	-86.42	-87.73	-86.37	-82.39	-76.63
YBADJ	IDLE7	-64.57	-53.95	-41.70	-28.19	-13.81	0.98
YBADJ	IDLE7	15.75	30.41	45.42	55.89	65.71	73.84
YBADJ	IDLE7	79.73	83.19	84.13	82.51	78.38	72.60
YBADJ	IDLE7	64.57	53.95	41.70	28.19	13.81	-0.98
YBADJ	IDLE7	-15.75	-30.41	-45.42	-55.89	-65.71	-73.84
YBADJ	IDLE7	-79.73	-83.19	-84.13	-82.51	-78.38	-72.60
YBADJ	IDLE8	-60.82	-50.39	-38.43	-25.30	-11.40	2.84
YBADJ	IDLE8	17.00	31.02	45.37	55.18	64.36	71.90
YBADJ	IDLE8	77.24	80.24	80.81	78.91	74.62	68.79
YBADJ	IDLE8	60.82	50.39	38.43	25.30	11.40	-2.84
YBADJ	IDLE8	-17.00	-31.02	-45.37	-55.18	-64.36	-71.90
YBADJ	IDLE8	-77.24	-80.24	-80.81	-78.91	-74.62	-68.79
YBADJ	IDLE9	-56.92	-46.69	-35.04	-22.33	-8.94	4.72
YBADJ	IDLE9	18.24	31.58	45.23	54.35	62.87	69.78
YBADJ	IDLE9	74.57	77.10	77.28	75.12	70.67	64.80
YBADJ	IDLE9	56.92	46.69	35.04	22.33	8.94	-4.72
YBADJ	IDLE9	-18.24	-31.58	-45.23	-54.35	-62.87	-69.78

YBADJ	IDLE9	-74.57	-77.10	-77.28	-75.12	-70.67	-64.80
YBADJ	IDLE10	-52.90	-42.86	-31.52	-19.23	-6.34	6.73
YBADJ	IDLE10	19.60	32.25	45.19	53.60	61.43	67.70
YBADJ	IDLE10	71.91	73.94	73.72	71.26	66.63	60.71
YBADJ	IDLE10	52.90	42.86	31.52	19.23	6.34	-6.73
YBADJ	IDLE10	-19.60	-32.25	-45.19	-53.60	-61.43	-67.70
YBADJ	IDLE10	-71.91	-73.94	-73.72	-71.26	-66.63	-60.71
YBADJ	IDLE11	-49.05	-39.22	-28.20	-16.33	-3.96	8.53
YBADJ	IDLE11	20.77	32.75	45.00	52.73	59.90	65.56
YBADJ	IDLE11	69.23	70.80	70.21	67.49	62.72	56.77
YBADJ	IDLE11	49.05	39.22	28.20	16.33	3.96	-8.53
YBADJ	IDLE11	-20.77	-32.75	-45.00	-52.73	-59.90	-65.56
YBADJ	IDLE11	-69.23	-70.80	-70.21	-67.49	-62.72	-56.77
YBADJ	IDLE12	-45.13	-35.49	-24.79	-13.32	-1.46	10.46
YBADJ	IDLE12	22.05	33.35	44.91	51.95	58.45	63.49
YBADJ	IDLE12	66.59	67.68	66.70	63.70	58.77	52.77
YBADJ	IDLE12	45.13	35.49	24.79	13.32	1.46	-10.46
YBADJ	IDLE12	-22.05	-33.35	-44.91	-51.95	-58.45	-63.49
YBADJ	IDLE12	-66.59	-67.68	-66.70	-63.70	-58.77	-52.77
YBADJ	IDLE13	-21.99	-13.51	-4.62	4.41	13.30	21.80
YBADJ	IDLE13	29.63	36.93	44.39	47.34	49.90	51.25
YBADJ	IDLE13	51.04	49.28	46.02	41.37	35.45	29.19
YBADJ	IDLE13	21.99	13.51	4.62	-4.41	-13.30	-21.80
YBADJ	IDLE13	-29.63	-36.93	-44.39	-47.34	-49.90	-51.25
YBADJ	IDLE13	-51.04	-49.28	-46.02	-41.37	-35.45	-29.19
YBADJ	IDLE14	-18.15	-9.88	-1.31	7.30	15.69	23.60
YBADJ	IDLE14	30.79	37.43	44.19	46.47	48.37	49.11
YBADJ	IDLE14	48.36	46.14	42.51	37.60	31.54	25.25
YBADJ	IDLE14	18.15	9.88	1.31	-7.30	-15.69	-23.60
YBADJ	IDLE14	-30.79	-37.43	-44.20	-46.47	-48.37	-49.11
YBADJ	IDLE14	-48.36	-46.14	-42.51	-37.60	-31.54	-25.25
YBADJ	IDLE15	-14.23	-6.16	2.10	10.30	18.19	25.52
YBADJ	IDLE15	32.07	38.04	44.10	45.69	46.92	47.04
YBADJ	IDLE15	45.73	43.02	39.01	33.82	27.60	21.26
YBADJ	IDLE15	14.23	6.16	-2.10	-10.30	-18.19	-25.52
YBADJ	IDLE15	-32.07	-38.04	-44.11	-45.69	-46.92	-47.04
YBADJ	IDLE15	-45.73	-43.02	-39.01	-33.82	-27.60	-21.26
YBADJ	IDLE16	-37.61	-28.33	-18.20	-7.51	3.40	14.21
YBADJ	IDLE16	24.59	34.60	44.83	50.54	55.76	59.59
YBADJ	IDLE16	61.61	61.76	60.04	56.49	51.22	45.12
YBADJ	IDLE16	37.61	28.33	18.20	7.51	-3.40	-14.21
YBADJ	IDLE16	-24.59	-34.60	-44.83	-50.54	-55.76	-59.59
YBADJ	IDLE16	-61.61	-61.76	-60.04	-56.49	-51.22	-45.12
YBADJ	IDLE17	-33.67	-24.62	-14.82	-4.56	5.83	16.04
YBADJ	IDLE17	25.77	35.09	44.62	49.64	54.18	57.40
YBADJ	IDLE17	58.86	58.54	56.44	52.63	47.21	41.09
YBADJ	IDLE17	33.67	24.62	14.82	4.56	-5.83	-16.04
YBADJ	IDLE17	-25.77	-35.09	-44.62	-49.64	-54.18	-57.40
YBADJ	IDLE17	-58.86	-58.54	-56.44	-52.63	-47.21	-41.09
YBADJ	IDLE18	-29.93	-21.05	-11.54	-1.68	8.24	17.91
YBADJ	IDLE18	27.03	35.71	44.57	48.92	52.83	55.45
YBADJ	IDLE18	56.38	55.59	53.12	49.03	43.45	37.28
YBADJ	IDLE18	29.93	21.05	11.54	1.68	-8.24	-17.91
YBADJ	IDLE18	-27.03	-35.71	-44.57	-48.92	-52.83	-55.45
YBADJ	IDLE18	-56.38	-55.59	-53.12	-49.03	-43.45	-37.28
YBADJ	IDLE19	-26.01	-17.34	-8.15	1.30	10.70	19.78



YBADJ	IDLE19	28.26	36.26	44.43	48.09	51.33	53.33
YBADJ	IDLE19	53.70	52.44	49.58	45.22	39.49	33.28
YBADJ	IDLE19	26.01	17.34	8.15	-1.30	-10.70	-19.78
YBADJ	IDLE19	-28.26	-36.26	-44.43	-48.09	-51.33	-53.33
YBADJ	IDLE19	-53.70	-52.44	-49.58	-45.22	-39.49	-33.28
YBADJ	IDLE20	9.14	16.04	22.45	28.18	33.05	36.92
YBADJ	IDLE20	39.66	41.58	43.50	40.96	38.21	34.60
YBADJ	IDLE20	29.94	24.38	18.07	11.21	4.01	-2.58
YBADJ	IDLE20	-9.14	-16.04	-22.45	-28.18	-33.05	-36.92
YBADJ	IDLE20	-39.66	-41.58	-43.50	-40.96	-38.21	-34.60
YBADJ	IDLE20	-29.94	-24.38	-18.07	-11.21	-4.01	2.58
YBADJ	IDLE21	12.99	19.68	25.77	31.08	35.44	38.73
YBADJ	IDLE21	40.84	42.09	43.32	40.10	36.69	32.47
YBADJ	IDLE21	27.27	21.24	14.57	7.45	0.10	-6.52
YBADJ	IDLE21	-12.99	-19.68	-25.77	-31.08	-35.44	-38.73
YBADJ	IDLE21	-40.84	-42.09	-43.32	-40.10	-36.69	-32.47
YBADJ	IDLE21	-27.27	-21.24	-14.57	-7.45	-0.10	6.52
YBADJ	IDLE22	16.91	23.41	29.19	34.09	37.95	40.65
YBADJ	IDLE22	42.13	42.70	43.23	39.31	35.24	30.40
YBADJ	IDLE22	24.63	18.12	11.06	3.66	-3.85	-10.52
YBADJ	IDLE22	-16.91	-23.41	-29.19	-34.09	-37.95	-40.65
YBADJ	IDLE22	-42.13	-42.70	-43.23	-39.31	-35.24	-30.40
YBADJ	IDLE22	-24.63	-18.12	-11.06	-3.66	3.85	10.52
YBADJ	IDLE23	-6.46	1.23	8.89	16.27	23.16	29.35
YBADJ	IDLE23	34.64	39.26	43.95	44.17	44.07	42.95
YBADJ	IDLE23	40.52	36.86	32.08	26.33	19.77	13.34
YBADJ	IDLE23	6.46	-1.23	-8.89	-16.27	-23.16	-29.35
YBADJ	IDLE23	-34.64	-39.26	-43.96	-44.17	-44.07	-42.95
YBADJ	IDLE23	-40.52	-36.86	-32.08	-26.33	-19.77	-13.34
YBADJ	IDLE24	-2.53	4.94	12.27	19.22	25.58	31.17
YBADJ	IDLE24	35.81	39.75	43.73	43.25	42.49	40.74
YBADJ	IDLE24	37.76	33.63	28.48	22.46	15.76	9.31
YBADJ	IDLE24	2.53	-4.94	-12.27	-19.22	-25.58	-31.17
YBADJ	IDLE24	-35.81	-39.75	-43.73	-43.25	-42.49	-40.74
YBADJ	IDLE24	-37.76	-33.63	-28.48	-22.46	-15.76	-9.31
YBADJ	IDLE25	1.22	8.51	15.55	22.11	28.00	33.04
YBADJ	IDLE25	37.08	40.37	43.69	42.55	41.15	38.80
YBADJ	IDLE25	35.28	30.69	25.16	18.87	12.00	5.50
YBADJ	IDLE25	-1.22	-8.51	-15.55	-22.11	-28.00	-33.04
YBADJ	IDLE25	-37.08	-40.37	-43.69	-42.55	-41.15	-38.80
YBADJ	IDLE25	-35.28	-30.69	-25.16	-18.87	-12.00	-5.50
YBADJ	IDLE26	5.13	12.22	18.94	25.08	30.47	34.92
YBADJ	IDLE26	38.32	40.93	43.55	41.72	39.65	36.68
YBADJ	IDLE26	32.60	27.53	21.63	15.06	8.04	1.50
YBADJ	IDLE26	-5.13	-12.22	-18.94	-25.08	-30.47	-34.92
YBADJ	IDLE26	-38.32	-40.93	-43.55	-41.72	-39.65	-36.68
YBADJ	IDLE26	-32.60	-27.53	-21.63	-15.06	-8.04	-1.50
YBADJ	IDLE27	39.99	45.33	49.30	51.78	52.67	51.97
YBADJ	IDLE27	49.69	46.28	42.72	34.73	26.71	18.19
YBADJ	IDLE27	9.12	-0.23	-9.57	-18.62	-27.10	-34.04
YBADJ	IDLE27	-39.99	-45.33	-49.30	-51.78	-52.67	-51.97
YBADJ	IDLE27	-49.69	-46.28	-42.72	-34.73	-26.71	-18.19
YBADJ	IDLE27	-9.12	0.23	9.57	18.62	27.10	34.04
YBADJ	IDLE28	43.84	48.98	52.63	54.68	55.07	53.79
YBADJ	IDLE28	50.87	46.79	42.54	33.87	25.20	16.07
YBADJ	IDLE28	6.45	-3.36	-13.07	-22.38	-31.01	-37.98
YBADJ	IDLE28	-43.84	-48.98	-52.63	-54.68	-55.07	-53.79

YBADJ	IDLE28	-50.87	-46.79	-42.54	-33.87	-25.20	-16.07
YBADJ	IDLE28	-6.45	3.36	13.07	22.38	31.01	37.98
YBADJ	IDLE29	47.76	52.70	56.05	57.68	57.57	55.71
YBADJ	IDLE29	52.15	47.39	42.45	33.08	23.74	13.99
YBADJ	IDLE29	3.81	-6.48	-16.58	-26.17	-34.97	-41.98
YBADJ	IDLE29	-47.76	-52.70	-56.05	-57.68	-57.57	-55.71
YBADJ	IDLE29	-52.15	-47.39	-42.45	-33.08	-23.74	-13.99
YBADJ	IDLE29	-3.81	6.48	16.58	26.17	34.97	41.98
YBADJ	IDLE30	24.38	30.52	35.73	39.86	42.78	44.40
YBADJ	IDLE30	44.67	43.96	43.17	37.94	32.58	26.55
YBADJ	IDLE30	19.71	12.27	4.45	-3.50	-11.34	-18.11
YBADJ	IDLE30	-24.38	-30.52	-35.73	-39.86	-42.78	-44.40
YBADJ	IDLE30	-44.67	-43.96	-43.17	-37.94	-32.58	-26.55
YBADJ	IDLE30	-19.71	-12.27	-4.45	3.50	11.34	18.11
YBADJ	IDLE31	28.32	34.24	39.12	42.82	45.21	46.23
YBADJ	IDLE31	45.84	44.44	42.95	37.02	30.99	24.34
YBADJ	IDLE31	16.94	9.03	0.84	-7.37	-15.35	-22.15
YBADJ	IDLE31	-28.32	-34.24	-39.12	-42.82	-45.21	-46.23
YBADJ	IDLE31	-45.84	-44.44	-42.95	-37.02	-30.99	-24.34
YBADJ	IDLE31	-16.94	-9.03	-0.84	7.37	15.35	22.15
YBADJ	IDLE32	32.06	37.81	42.40	45.71	47.63	48.10
YBADJ	IDLE32	47.11	45.06	42.91	36.32	29.65	22.40
YBADJ	IDLE32	14.46	6.09	-2.47	-10.96	-19.11	-25.96
YBADJ	IDLE32	-32.06	-37.81	-42.40	-45.71	-47.63	-48.10
YBADJ	IDLE32	-47.11	-45.06	-42.91	-36.32	-29.65	-22.40
YBADJ	IDLE32	-14.46	-6.09	2.47	10.96	19.11	25.96
YBADJ	IDLE33	35.97	41.51	45.79	48.68	50.08	49.97
YBADJ	IDLE33	48.34	45.62	42.77	35.49	28.16	20.28
YBADJ	IDLE33	11.79	2.94	-6.00	-14.76	-23.07	-29.95
YBADJ	IDLE33	-35.97	-41.51	-45.79	-48.68	-50.08	-49.97
YBADJ	IDLE33	-48.34	-45.62	-42.77	-35.49	-28.16	-20.28
YBADJ	IDLE33	-11.79	-2.94	6.00	14.76	23.07	29.95
YBADJ	IDLE34	71.13	74.89	76.37	75.54	72.41	67.07
YBADJ	IDLE34	59.71	50.90	41.81	28.31	14.99	1.52
YBADJ	IDLE34	-12.00	-25.16	-37.54	-48.79	-58.56	-65.82
YBADJ	IDLE34	-71.13	-74.89	-76.37	-75.54	-72.41	-67.07
YBADJ	IDLE34	-59.71	-50.90	-41.81	-28.31	-14.99	-1.52
YBADJ	IDLE34	12.00	25.16	37.54	48.79	58.56	65.82
YBADJ	IDLE35	74.97	78.52	79.69	78.43	74.79	68.88
YBADJ	IDLE35	60.87	51.40	41.62	27.44	13.46	-0.62
YBADJ	IDLE35	-14.68	-28.30	-41.05	-52.56	-62.47	-69.76
YBADJ	IDLE35	-74.97	-78.52	-79.69	-78.43	-74.79	-68.88
YBADJ	IDLE35	-60.87	-51.40	-41.62	-27.44	-13.46	0.62
YBADJ	IDLE35	14.68	28.30	41.05	52.56	62.47	69.76
YBADJ	IDLE36	78.89	82.24	83.10	81.43	77.29	70.80
YBADJ	IDLE36	62.15	52.00	41.53	26.66	12.01	-2.69
YBADJ	IDLE36	-17.31	-31.41	-44.55	-56.34	-66.42	-73.75
YBADJ	IDLE36	-78.89	-82.24	-83.10	-81.43	-77.29	-70.80
YBADJ	IDLE36	-62.15	-52.00	-41.53	-26.66	-12.01	2.69
YBADJ	IDLE36	17.31	31.41	44.55	56.34	66.42	73.75
YBADJ	IDLE37	55.51	60.07	62.80	63.62	62.50	59.49
YBADJ	IDLE37	54.67	48.57	42.25	31.51	20.85	9.86
YBADJ	IDLE37	-1.43	-12.67	-23.53	-33.67	-42.79	-49.89
YBADJ	IDLE37	-55.51	-60.07	-62.80	-63.62	-62.50	-59.49
YBADJ	IDLE37	-54.67	-48.57	-42.25	-31.51	-20.85	-9.86
YBADJ	IDLE37	1.43	12.67	23.53	33.67	42.79	49.89

YBADJ	IDLE38	59.45	63.78	66.18	66.56	64.92	61.32
YBADJ	IDLE38	55.84	49.05	42.03	30.60	19.26	7.66
YBADJ	IDLE38	-4.18	-15.90	-27.13	-37.54	-46.80	-53.92
YBADJ	IDLE38	-59.45	-63.78	-66.18	-66.56	-64.92	-61.32
YBADJ	IDLE38	-55.84	-49.05	-42.03	-30.60	-19.26	-7.66
YBADJ	IDLE38	4.18	15.90	27.13	37.54	46.80	53.92
YBADJ	IDLE39	63.19	67.35	69.46	69.45	67.34	63.19
YBADJ	IDLE39	57.11	49.67	41.99	29.90	17.92	5.72
YBADJ	IDLE39	-6.66	-18.84	-30.45	-41.13	-50.56	-57.73
YBADJ	IDLE39	-63.19	-67.35	-69.46	-69.45	-67.34	-63.19
YBADJ	IDLE39	-57.11	-49.67	-41.99	-29.90	-17.92	-5.72
YBADJ	IDLE39	6.66	18.84	30.45	41.13	50.56	57.73
YBADJ	IDLE40	67.11	71.06	72.85	72.43	69.81	65.06
YBADJ	IDLE40	58.34	50.23	41.85	29.06	16.42	3.60
YBADJ	IDLE40	-9.34	-22.00	-33.98	-44.94	-54.52	-61.73
YBADJ	IDLE40	-67.11	-71.06	-72.85	-72.43	-69.81	-65.06
YBADJ	IDLE40	-58.34	-50.23	-41.85	-29.06	-16.42	-3.60
YBADJ	IDLE40	9.34	22.00	33.98	44.94	54.52	61.73
YBADJ	IDLE41	102.14	104.34	103.37	99.26	92.13	82.21
YBADJ	IDLE41	69.78	55.62	41.02	22.04	3.43	-14.98
YBADJ	IDLE41	-32.94	-49.89	-65.33	-78.79	-89.85	-97.45
YBADJ	IDLE41	-102.14	-104.34	-103.37	-99.26	-92.13	-82.21
YBADJ	IDLE41	-69.78	-55.62	-41.02	-22.04	-3.43	14.98
YBADJ	IDLE41	32.94	49.89	65.33	78.79	89.85	97.45
YBADJ	IDLE42	106.00	107.99	106.70	102.17	94.53	84.02
YBADJ	IDLE42	70.96	56.13	40.84	21.18	1.91	-17.11
YBADJ	IDLE42	-35.62	-53.04	-68.84	-82.56	-93.77	-101.40
YBADJ	IDLE42	-106.00	-107.99	-106.70	-102.17	-94.53	-84.02
YBADJ	IDLE42	-70.96	-56.13	-40.84	-21.18	-1.91	17.11
YBADJ	IDLE42	35.62	53.04	68.84	82.56	93.77	101.40
YBADJ	IDLE43	86.54	89.53	89.81	87.35	82.24	74.64
YBADJ	IDLE43	64.76	53.30	41.47	25.25	9.30	-6.63
YBADJ	IDLE43	-22.36	-37.41	-51.32	-63.67	-74.09	-81.53
YBADJ	IDLE43	-86.54	-89.53	-89.81	-87.35	-82.24	-74.64
YBADJ	IDLE43	-64.76	-53.30	-41.47	-25.25	-9.30	6.63
YBADJ	IDLE43	22.36	37.41	51.32	63.67	74.09	81.53
YBADJ	IDLE44	90.47	93.24	93.19	90.30	84.67	76.46
YBADJ	IDLE44	65.93	53.78	41.25	24.33	7.71	-8.84
YBADJ	IDLE44	-25.12	-40.64	-54.92	-67.53	-78.10	-85.56
YBADJ	IDLE44	-90.47	-93.24	-93.19	-90.30	-84.66	-76.46
YBADJ	IDLE44	-65.93	-53.78	-41.25	-24.33	-7.71	8.84
YBADJ	IDLE44	25.12	40.64	54.92	67.53	78.10	85.56
YBADJ	IDLE45	94.21	96.81	96.47	93.19	87.08	78.33
YBADJ	IDLE45	67.20	54.40	41.21	23.63	6.37	-10.78
YBADJ	IDLE45	-27.60	-43.58	-58.24	-71.13	-81.85	-89.37
YBADJ	IDLE45	-94.21	-96.81	-96.47	-93.19	-87.08	-78.33
YBADJ	IDLE45	-67.20	-54.40	-41.21	-23.63	-6.37	10.78
YBADJ	IDLE45	27.60	43.58	58.24	71.13	81.86	89.37
YBADJ	IDLE46	98.13	100.52	99.86	96.16	89.55	80.21
YBADJ	IDLE46	68.43	54.96	41.07	22.80	4.87	-12.90
YBADJ	IDLE46	-30.28	-46.74	-61.77	-74.93	-85.82	-93.37
YBADJ	IDLE46	-98.13	-100.52	-99.86	-96.16	-89.55	-80.21
YBADJ	IDLE46	-68.43	-54.96	-41.07	-22.80	-4.87	12.90
YBADJ	IDLE46	30.28	46.74	61.77	74.93	85.82	93.37
YBADJ	TRU1	-92.29	-80.75	-66.75	-50.72	-33.16	-14.58
YBADJ	TRU1	4.44	23.70	43.51	58.84	73.43	86.10
YBADJ	TRU1	96.15	103.28	107.27	108.00	105.45	100.42

YBADJ	TRU1	92.29	80.75	66.75	50.72	33.16	14.58
YBADJ	TRU1	-4.44	-23.70	-43.51	-58.84	-73.43	-86.10
YBADJ	TRU1	-96.15	-103.28	-107.27	-108.00	-105.45	-100.42
YBADJ	TRU2	-88.37	-77.00	-63.28	-47.65	-30.57	-12.56
YBADJ	TRU2	5.84	24.43	43.55	58.19	72.11	84.14
YBADJ	TRU2	93.62	100.25	103.84	104.27	101.54	96.44
YBADJ	TRU2	88.37	77.00	63.28	47.65	30.57	12.56
YBADJ	TRU2	-5.84	-24.43	-43.55	-58.19	-72.11	-84.14
YBADJ	TRU2	-93.62	-100.25	-103.84	-104.27	-101.54	-96.44
YBADJ	TRU3	-84.54	-73.36	-59.96	-44.73	-28.15	-10.71
YBADJ	TRU3	7.06	24.99	43.43	57.40	70.66	82.09
YBADJ	TRU3	91.02	97.18	100.40	100.56	97.67	92.53
YBADJ	TRU3	84.54	73.36	59.96	44.73	28.15	10.71
YBADJ	TRU3	-7.06	-24.99	-43.43	-57.40	-70.66	-82.09
YBADJ	TRU3	-91.02	-97.18	-100.40	-100.56	-97.67	-92.53
YBADJ	TRU4	-80.75	-69.76	-56.66	-41.83	-25.73	-8.85
YBADJ	TRU4	8.30	25.58	43.35	56.65	69.26	80.09
YBADJ	TRU4	88.47	94.17	97.01	96.90	93.85	88.67
YBADJ	TRU4	80.75	69.76	56.66	41.83	25.73	8.85
YBADJ	TRU4	-8.30	-25.58	-43.35	-56.65	-69.26	-80.09
YBADJ	TRU4	-88.47	-94.17	-97.01	-96.90	-93.85	-88.67
YBADJ	TRU5	-76.85	-66.06	-53.27	-38.85	-23.26	-6.96
YBADJ	TRU5	9.55	26.15	43.23	55.84	67.79	77.99
YBADJ	TRU5	85.82	91.05	93.51	93.12	89.91	84.69
YBADJ	TRU5	76.85	66.06	53.27	38.85	23.26	6.96
YBADJ	TRU5	-9.55	-26.15	-43.23	-55.84	-67.79	-77.99
YBADJ	TRU5	-85.82	-91.05	-93.51	-93.12	-89.91	-84.69
YBADJ	TRU6	-69.08	-58.70	-46.54	-32.96	-18.38	-3.24
YBADJ	TRU6	12.00	27.25	42.94	54.17	64.80	73.77
YBADJ	TRU6	80.50	84.78	86.48	85.56	82.04	76.75
YBADJ	TRU6	69.08	58.70	46.54	32.96	18.38	3.24
YBADJ	TRU6	-12.00	-27.25	-42.94	-54.17	-64.80	-73.77
YBADJ	TRU6	-80.50	-84.78	-86.48	-85.56	-82.04	-76.75
YBADJ	TRU7	-65.16	-54.95	-43.07	-29.88	-15.79	-1.22
YBADJ	TRU7	13.40	27.98	42.98	53.52	63.48	71.82
YBADJ	TRU7	77.97	81.76	83.06	81.84	78.13	72.77
YBADJ	TRU7	65.16	54.95	43.07	29.88	15.79	1.22
YBADJ	TRU7	-13.40	-27.98	-42.98	-53.52	-63.48	-71.82
YBADJ	TRU7	-77.97	-81.76	-83.06	-81.84	-78.13	-72.77
YBADJ	TRU8	-61.33	-51.32	-39.74	-26.97	-13.37	0.64
YBADJ	TRU8	14.62	28.54	42.86	52.72	62.03	69.76
YBADJ	TRU8	75.37	78.68	79.61	78.12	74.26	68.86
YBADJ	TRU8	61.33	51.32	39.74	26.97	13.37	-0.64
YBADJ	TRU8	-14.62	-28.54	-42.86	-52.72	-62.03	-69.76
YBADJ	TRU8	-75.37	-78.68	-79.61	-78.12	-74.26	-68.86
YBADJ	TRU9	-57.54	-47.72	-36.44	-24.06	-10.95	2.50
YBADJ	TRU9	15.86	29.13	42.78	51.98	60.63	67.76
YBADJ	TRU9	72.82	75.68	76.23	74.47	70.44	65.00
YBADJ	TRU9	57.54	47.72	36.44	24.06	10.95	-2.50
YBADJ	TRU9	-15.86	-29.13	-42.78	-51.98	-60.63	-67.76
YBADJ	TRU9	-72.82	-75.68	-76.23	-74.47	-70.44	-65.00
YBADJ	TRU10	-53.64	-44.02	-33.05	-21.09	-8.48	4.38
YBADJ	TRU10	17.11	29.70	42.66	51.17	59.16	65.66
YBADJ	TRU10	70.17	72.55	72.72	70.68	66.50	61.02
YBADJ	TRU10	53.64	44.02	33.05	21.09	8.48	-4.38
YBADJ	TRU10	-17.11	-29.70	-42.66	-51.17	-59.16	-65.66
YBADJ	TRU10	-70.17	-72.55	-72.72	-70.68	-66.50	-61.02

YBADJ	TRU11	-49.69	-40.28	-29.65	-18.12	-6.04	6.23
YBADJ	TRU11	18.30	30.20	42.45	50.26	57.58	63.46
YBADJ	TRU11	67.41	69.31	69.11	66.81	62.48	56.97
YBADJ	TRU11	49.69	40.28	29.65	18.12	6.04	-6.23
YBADJ	TRU11	-18.30	-30.20	-42.45	-50.26	-57.58	-63.46
YBADJ	TRU11	-67.41	-69.31	-69.11	-66.81	-62.48	-56.97
YBADJ	TRU12	-45.74	-36.52	-26.19	-15.07	-3.49	8.20
YBADJ	TRU12	19.64	30.86	42.41	49.52	56.16	61.41
YBADJ	TRU12	64.79	66.21	65.61	63.02	58.51	52.95
YBADJ	TRU12	45.74	36.52	26.19	15.07	3.49	-8.20
YBADJ	TRU12	-19.64	-30.86	-42.41	-49.52	-56.16	-61.41
YBADJ	TRU12	-64.79	-66.21	-65.61	-63.02	-58.51	-52.95
YBADJ	TRU13	-38.19	-29.38	-19.69	-9.39	1.19	11.74
YBADJ	TRU13	21.93	31.83	42.03	47.80	53.16	57.22
YBADJ	TRU13	59.53	60.04	58.72	55.62	50.83	45.22
YBADJ	TRU13	38.19	29.38	19.69	9.39	-1.19	-11.74
YBADJ	TRU13	-21.93	-31.83	-42.03	-47.80	-53.16	-57.22
YBADJ	TRU13	-59.53	-60.04	-58.72	-55.62	-50.83	-45.22
YBADJ	TRU14	-34.26	-25.63	-16.22	-6.32	3.78	13.76
YBADJ	TRU14	23.32	32.56	42.07	47.15	51.84	55.26
YBADJ	TRU14	57.01	57.02	55.30	51.90	46.92	41.24
YBADJ	TRU14	34.26	25.63	16.22	6.32	-3.78	-13.76
YBADJ	TRU14	-23.32	-32.56	-42.07	-47.15	-51.84	-55.26
YBADJ	TRU14	-57.01	-57.02	-55.30	-51.90	-46.92	-41.24
YBADJ	TRU15	-30.44	-22.01	-12.90	-3.41	6.19	15.61
YBADJ	TRU15	24.55	33.12	41.94	46.35	50.39	53.21
YBADJ	TRU15	54.41	53.95	51.86	48.19	43.06	37.34
YBADJ	TRU15	30.44	22.01	12.90	3.41	-6.20	-15.61
YBADJ	TRU15	-24.55	-33.12	-41.95	-46.35	-50.39	-53.21
YBADJ	TRU15	-54.41	-53.95	-51.86	-48.19	-43.06	-37.34
YBADJ	TRU16	-26.65	-18.40	-9.59	-0.49	8.62	17.48
YBADJ	TRU16	25.80	33.72	41.88	45.62	49.01	51.22
YBADJ	TRU16	51.87	50.95	48.48	44.54	39.24	33.48
YBADJ	TRU16	26.65	18.40	9.59	0.49	-8.62	-17.48
YBADJ	TRU16	-25.80	-33.72	-41.88	-45.62	-49.01	-51.22
YBADJ	TRU16	-51.87	-50.95	-48.48	-44.54	-39.24	-33.48
YBADJ	TRU17	-22.75	-14.70	-6.20	2.49	11.10	19.37
YBADJ	TRU17	27.05	34.29	41.76	44.80	47.53	49.12
YBADJ	TRU17	49.22	47.82	44.97	40.75	35.29	29.49
YBADJ	TRU17	22.75	14.70	6.20	-2.49	-11.10	-19.37
YBADJ	TRU17	-27.05	-34.29	-41.76	-44.80	-47.53	-49.12
YBADJ	TRU17	-49.22	-47.82	-44.97	-40.75	-35.29	-29.49
YBADJ	TRU18	-18.80	-10.97	-2.81	5.45	13.53	21.21
YBADJ	TRU18	28.24	34.79	41.54	43.90	45.95	46.92
YBADJ	TRU18	46.46	44.59	41.36	36.88	31.28	25.45
YBADJ	TRU18	18.80	10.97	2.81	-5.45	-13.53	-21.21
YBADJ	TRU18	-28.24	-34.79	-41.55	-43.90	-45.95	-46.92
YBADJ	TRU18	-46.46	-44.59	-41.36	-36.88	-31.28	-25.45
YBADJ	TRU19	-14.85	-7.21	0.66	8.50	16.08	23.18
YBADJ	TRU19	29.57	35.45	41.50	43.16	44.54	44.87
YBADJ	TRU19	43.84	41.48	37.86	33.09	27.31	21.43
YBADJ	TRU19	14.85	7.21	-0.66	-8.50	-16.08	-23.18
YBADJ	TRU19	-29.57	-35.45	-41.51	-43.16	-44.54	-44.87
YBADJ	TRU19	-43.84	-41.48	-37.86	-33.09	-27.31	-21.43
YBADJ	TRU20	-7.17	0.07	7.30	14.32	20.90	26.85
YBADJ	TRU20	31.98	36.51	41.20	41.50	41.57	40.69

YBADJ	TRU20	38.57	35.28	30.91	25.61	19.53	13.58
YBADJ	TRU20	7.17	-0.07	-7.30	-14.32	-20.90	-26.85
YBADJ	TRU20	-31.98	-36.51	-41.21	-41.50	-41.57	-40.69
YBADJ	TRU20	-38.57	-35.28	-30.91	-25.61	-19.53	-13.58
YBADJ	TRU21	-3.25	3.82	10.77	17.39	23.49	28.87
YBADJ	TRU21	33.38	37.24	41.24	40.85	40.25	38.73
YBADJ	TRU21	36.04	32.25	27.49	21.88	15.62	9.60
YBADJ	TRU21	3.25	-3.82	-10.77	-17.39	-23.49	-28.87
YBADJ	TRU21	-33.38	-37.24	-41.24	-40.85	-40.25	-38.73
YBADJ	TRU21	-36.04	-32.25	-27.49	-21.88	-15.62	-9.60
YBADJ	TRU22	0.57	7.44	14.09	20.31	25.90	30.72
YBADJ	TRU22	34.60	37.80	41.12	40.05	38.80	36.68
YBADJ	TRU22	33.44	29.19	24.05	18.18	11.76	5.70
YBADJ	TRU22	-0.57	-7.44	-14.09	-20.31	-25.90	-30.72
YBADJ	TRU22	-34.60	-37.80	-41.12	-40.05	-38.80	-36.68
YBADJ	TRU22	-33.44	-29.19	-24.05	-18.18	-11.76	-5.70
YBADJ	TRU23	4.37	11.05	17.40	23.22	28.33	32.58
YBADJ	TRU23	35.84	38.40	41.04	39.30	37.40	34.67
YBADJ	TRU23	30.89	26.17	20.66	14.51	7.93	1.83
YBADJ	TRU23	-4.37	-11.05	-17.40	-23.22	-28.33	-32.58
YBADJ	TRU23	-35.84	-38.40	-41.04	-39.30	-37.40	-34.67
YBADJ	TRU23	-30.89	-26.17	-20.66	-14.51	-7.93	-1.83
YBADJ	TRU24	8.27	14.75	20.79	26.19	30.80	34.47
YBADJ	TRU24	37.09	38.97	40.92	38.49	35.93	32.58
YBADJ	TRU24	28.24	23.05	17.15	10.73	3.99	-2.15
YBADJ	TRU24	-8.27	-14.75	-20.79	-26.19	-30.80	-34.47
YBADJ	TRU24	-37.09	-38.97	-40.92	-38.49	-35.93	-32.58
YBADJ	TRU24	-28.24	-23.05	-17.15	-10.73	-3.99	2.15
YBADJ	TRU25	12.21	18.48	24.18	29.15	33.23	36.31
YBADJ	TRU25	38.28	39.46	40.71	37.58	34.35	30.38
YBADJ	TRU25	25.48	19.82	13.55	6.86	-0.03	-6.19
YBADJ	TRU25	-12.21	-18.48	-24.18	-29.15	-33.23	-36.31
YBADJ	TRU25	-38.28	-39.46	-40.71	-37.58	-34.35	-30.38
YBADJ	TRU25	-25.48	-19.82	-13.55	-6.86	0.03	6.19
YBADJ	TRU26	16.16	22.24	27.64	32.20	35.79	38.28
YBADJ	TRU26	39.61	40.12	40.67	36.85	32.94	28.33
YBADJ	TRU26	22.87	16.71	10.05	3.07	-3.99	-10.21
YBADJ	TRU26	-16.16	-22.24	-27.64	-32.20	-35.79	-38.28
YBADJ	TRU26	-39.61	-40.12	-40.67	-36.85	-32.94	-28.33
YBADJ	TRU26	-22.87	-16.71	-10.04	-3.07	3.99	10.21
YBADJ	TRU27	23.89	29.56	34.33	38.06	40.63	41.97
YBADJ	TRU27	42.03	41.20	40.37	35.18	29.95	24.12
YBADJ	TRU27	17.56	10.47	3.05	-4.45	-11.82	-18.11
YBADJ	TRU27	-23.89	-29.56	-34.33	-38.06	-40.63	-41.97
YBADJ	TRU27	-42.03	-41.20	-40.37	-35.18	-29.95	-24.12
YBADJ	TRU27	-17.56	-10.47	-3.05	4.45	11.82	18.11
YBADJ	TRU28	27.82	33.32	37.80	41.14	43.22	44.00
YBADJ	TRU28	43.43	41.93	40.41	34.53	28.63	22.17
YBADJ	TRU28	15.03	7.44	-0.37	-8.18	-15.74	-22.09
YBADJ	TRU28	-27.82	-33.32	-37.80	-41.14	-43.22	-44.00
YBADJ	TRU28	-43.43	-41.93	-40.41	-34.53	-28.63	-22.17
YBADJ	TRU28	-15.03	-7.44	0.37	8.18	15.74	22.09
YBADJ	TRU29	31.64	36.94	41.12	44.05	45.64	45.84
YBADJ	TRU29	44.65	42.49	40.29	33.73	27.18	20.11
YBADJ	TRU29	12.44	4.38	-3.81	-11.88	-19.60	-25.99
YBADJ	TRU29	-31.64	-36.94	-41.12	-44.05	-45.64	-45.84
YBADJ	TRU29	-44.65	-42.49	-40.29	-33.73	-27.18	-20.11

YBADJ	TRU29	-12.44	-4.38	3.81	11.88	19.60	25.99
YBADJ	TRU30	35.43	40.54	44.42	46.95	48.06	47.70
YBADJ	TRU30	45.90	43.08	40.21	32.98	25.79	18.12
YBADJ	TRU30	9.89	1.37	-7.19	-15.54	-23.41	-29.85
YBADJ	TRU30	-35.43	-40.54	-44.42	-46.95	-48.06	-47.70
YBADJ	TRU30	-45.90	-43.08	-40.21	-32.98	-25.79	-18.12
YBADJ	TRU30	-9.89	-1.37	7.19	15.54	23.41	29.85
YBADJ	TRU31	39.34	44.25	47.82	49.94	50.54	49.60
YBADJ	TRU31	47.16	43.66	40.10	32.18	24.32	16.02
YBADJ	TRU31	7.24	-1.76	-10.70	-19.33	-27.36	-33.84
YBADJ	TRU31	-39.34	-44.25	-47.82	-49.94	-50.54	-49.60
YBADJ	TRU31	-47.16	-43.66	-40.10	-32.18	-24.32	-16.02
YBADJ	TRU31	-7.24	1.76	10.70	19.33	27.36	33.84
YBADJ	TRU32	43.28	47.98	51.21	52.90	52.98	51.44
YBADJ	TRU32	48.35	44.16	39.89	31.27	22.74	13.82
YBADJ	TRU32	4.49	-4.99	-14.31	-23.19	-31.38	-37.88
YBADJ	TRU32	-43.28	-47.98	-51.21	-52.90	-52.98	-51.44
YBADJ	TRU32	-48.35	-44.16	-39.89	-31.27	-22.74	-13.82
YBADJ	TRU32	-4.49	4.99	14.31	23.19	31.38	37.88
YBADJ	TRU33	47.23	51.74	54.68	55.95	55.53	53.42
YBADJ	TRU33	49.68	44.82	39.85	30.54	21.33	11.78
YBADJ	TRU33	1.87	-8.09	-17.81	-26.99	-35.34	-41.90
YBADJ	TRU33	-47.23	-51.74	-54.68	-55.95	-55.53	-53.42
YBADJ	TRU33	-49.68	-44.82	-39.85	-30.54	-21.33	-11.78
YBADJ	TRU33	-1.87	8.09	17.81	26.99	35.34	41.90
YBADJ	TRU34	54.86	58.96	61.28	61.73	60.30	57.05
YBADJ	TRU34	52.06	45.87	39.54	28.88	18.37	7.61
YBADJ	TRU34	-3.38	-14.27	-24.72	-34.42	-43.08	-49.70
YBADJ	TRU34	-54.86	-58.96	-61.28	-61.73	-60.30	-57.05
YBADJ	TRU34	-52.06	-45.87	-39.54	-28.88	-18.37	-7.61
YBADJ	TRU34	3.38	14.27	24.72	34.42	43.08	49.70
YBADJ	TRU35	58.78	62.72	64.74	64.80	62.89	59.07
YBADJ	TRU35	53.46	46.60	39.58	28.23	17.04	5.65
YBADJ	TRU35	-5.91	-17.29	-28.15	-38.15	-46.99	-53.68
YBADJ	TRU35	-58.78	-62.72	-64.74	-64.80	-62.89	-59.07
YBADJ	TRU35	-53.46	-46.60	-39.58	-28.23	-17.04	-5.65
YBADJ	TRU35	5.91	17.29	28.15	38.15	46.99	53.68
YBADJ	TRU36	62.61	66.35	68.07	67.72	65.32	60.92
YBADJ	TRU36	54.68	47.16	39.46	27.43	15.59	3.60
YBADJ	TRU36	-8.51	-20.36	-31.59	-41.86	-50.86	-57.59
YBADJ	TRU36	-62.61	-66.35	-68.07	-67.72	-65.31	-60.92
YBADJ	TRU36	-54.68	-47.16	-39.46	-27.43	-15.59	-3.60
YBADJ	TRU36	8.51	20.36	31.59	41.86	50.86	57.59
YBADJ	TRU37	66.40	69.95	71.38	70.63	67.74	62.79
YBADJ	TRU37	55.94	47.76	39.39	26.69	14.21	1.60
YBADJ	TRU37	-11.05	-23.36	-34.97	-45.51	-54.68	-61.45
YBADJ	TRU37	-66.40	-69.95	-71.38	-70.63	-67.74	-62.79
YBADJ	TRU37	-55.94	-47.76	-39.39	-26.69	-14.21	-1.60
YBADJ	TRU37	11.05	23.36	34.97	45.51	54.68	61.45
YBADJ	TRU38	70.30	73.65	74.76	73.60	70.21	64.68
YBADJ	TRU38	57.19	48.33	39.27	25.88	12.73	-0.49
YBADJ	TRU38	-13.70	-26.49	-38.48	-49.30	-58.62	-65.43
YBADJ	TRU38	-70.30	-73.65	-74.76	-73.60	-70.21	-64.68
YBADJ	TRU38	-57.19	-48.33	-39.27	-25.88	-12.73	0.49
YBADJ	TRU38	13.70	26.49	38.48	49.30	58.62	65.43
YBADJ	TRU39	74.25	77.39	78.17	76.57	72.65	66.52

YBADJ	TRU39	58.37	48.83	39.06	24.97	11.15	-2.70
YBADJ	TRU39	-16.46	-29.73	-42.09	-53.17	-62.64	-69.48
YBADJ	TRU39	-74.25	-77.39	-78.17	-76.57	-72.65	-66.52
YBADJ	TRU39	-58.37	-48.83	-39.06	-24.97	-11.15	2.70
YBADJ	TRU39	16.46	29.73	42.09	53.17	62.64	69.48
YBADJ	TRU40	78.21	81.15	81.63	79.63	75.20	68.50
YBADJ	TRU40	59.71	49.49	39.02	24.23	9.74	-4.74
YBADJ	TRU40	-19.08	-32.83	-45.59	-56.96	-66.61	-73.50
YBADJ	TRU40	-78.21	-81.15	-81.63	-79.63	-75.20	-68.50
YBADJ	TRU40	-59.71	-49.49	-39.02	-24.23	-9.74	4.74
YBADJ	TRU40	19.08	32.83	45.59	56.96	66.61	73.50
YBADJ	TRU41	85.77	88.30	88.14	85.31	79.89	72.04
YBADJ	TRU41	62.00	50.45	38.63	22.50	6.72	-8.95
YBADJ	TRU41	-24.36	-39.02	-52.50	-64.38	-74.31	-81.25
YBADJ	TRU41	-85.77	-88.30	-88.14	-85.31	-79.89	-72.04
YBADJ	TRU41	-61.99	-50.45	-38.63	-22.50	-6.72	8.95
YBADJ	TRU41	24.36	39.02	52.50	64.38	74.31	81.25
YBADJ	TRU42	89.69	92.05	91.61	88.38	82.47	74.05
YBADJ	TRU42	63.38	51.17	38.66	21.84	5.39	-10.92
YBADJ	TRU42	-26.89	-42.05	-55.93	-68.11	-78.22	-85.23
YBADJ	TRU42	-89.69	-92.05	-91.61	-88.38	-82.47	-74.05
YBADJ	TRU42	-63.38	-51.17	-38.66	-21.84	-5.39	10.92
YBADJ	TRU42	26.89	42.05	55.93	68.11	78.22	85.23
YBADJ	TRU43	93.53	95.69	94.94	91.30	84.90	75.91
YBADJ	TRU43	64.62	51.74	38.55	21.05	3.95	-12.97
YBADJ	TRU43	-29.49	-45.12	-59.37	-71.82	-82.09	-89.14
YBADJ	TRU43	-93.53	-95.69	-94.94	-91.30	-84.90	-75.91
YBADJ	TRU43	-64.62	-51.74	-38.55	-21.05	-3.95	12.97
YBADJ	TRU43	29.49	45.12	59.37	71.82	82.09	89.14
YBADJ	TRU44	97.31	99.29	98.24	94.21	87.32	77.77
YBADJ	TRU44	65.86	52.33	38.47	20.30	2.55	-14.97
YBADJ	TRU44	-32.03	-48.12	-62.75	-75.48	-85.91	-93.00
YBADJ	TRU44	-97.31	-99.29	-98.24	-94.21	-87.32	-77.77
YBADJ	TRU44	-65.86	-52.33	-38.47	-20.30	-2.55	14.97
YBADJ	TRU44	32.03	48.12	62.75	75.48	85.91	93.00
YBADJ	TRU45	101.21	102.98	101.63	97.18	89.78	79.66
YBADJ	TRU45	67.11	52.91	38.35	19.49	1.08	-17.06
YBADJ	TRU45	-34.68	-51.25	-66.26	-79.26	-89.85	-96.98
YBADJ	TRU45	-101.21	-102.98	-101.63	-97.18	-89.78	-79.66
YBADJ	TRU45	-67.11	-52.91	-38.35	-19.49	-1.08	17.06
YBADJ	TRU45	34.68	51.25	66.26	79.26	89.85	96.98
YBADJ	TRU46	105.16	106.72	105.03	100.15	92.23	81.50
YBADJ	TRU46	68.30	53.40	38.14	18.58	-0.50	-19.27
YBADJ	TRU46	-37.45	-54.49	-69.87	-83.13	-93.87	-101.03
YBADJ	TRU46	-105.16	-106.72	-105.03	-100.15	-92.23	-81.50
YBADJ	TRU46	-68.30	-53.40	-38.14	-18.58	0.50	19.27
YBADJ	TRU46	37.45	54.49	69.87	83.13	93.87	101.03
YBADJ	TTP1	-102.90	-85.77	-66.02	-44.27	-21.18	2.56
YBADJ	TTP1	26.22	49.46	0.00	0.00	106.08	119.12
YBADJ	TTP1	128.54	134.06	135.50	132.83	126.12	116.30
YBADJ	TTP1	102.90	85.77	66.02	44.27	21.18	-2.56
YBADJ	TTP1	-26.22	-49.46	0.00	0.00	-106.08	-119.12
YBADJ	TTP1	-128.54	-134.06	-135.50	-132.83	-126.12	-116.30
YBADJ	TTP2	-100.05	-83.06	-63.56	-42.11	-19.39	3.91
YBADJ	TTP2	27.10	49.85	0.00	0.00	104.97	117.56
YBADJ	TTP2	126.57	131.74	132.91	130.04	123.22	113.38
YBADJ	TTP2	100.05	83.06	63.56	42.11	19.39	-3.91



YBADJ	TTP2	-27.10	-49.85	0.00	0.00	-104.97	-117.56
YBADJ	TTP2	-126.57	-131.74	-132.91	-130.04	-123.22	-113.38
YBADJ	TTP3	-97.05	-80.20	-60.91	-39.78	-17.43	5.44
YBADJ	TTP3	28.15	50.38	0.00	0.00	103.92	116.03
YBADJ	TTP3	124.61	129.41	130.27	127.18	120.22	110.33
YBADJ	TTP3	97.05	80.20	60.91	39.78	17.43	-5.44
YBADJ	TTP3	-28.15	-50.38	0.00	0.00	-103.92	-116.03
YBADJ	TTP3	-124.61	-129.41	-130.27	-127.18	-120.22	-110.33
YBADJ	TTP4	-93.98	-77.31	-58.30	-37.52	-15.59	6.80
YBADJ	TTP4	28.99	50.68	0.00	0.00	102.61	114.23
YBADJ	TTP4	122.39	126.83	127.41	124.12	117.06	107.17
YBADJ	TTP4	93.98	77.31	58.30	37.52	15.59	-6.80
YBADJ	TTP4	-28.99	-50.68	0.00	0.00	-102.61	-114.23
YBADJ	TTP4	-122.39	-126.83	-127.41	-124.12	-117.06	-107.17
YBADJ	TTP5	-90.99	-74.49	-55.72	-35.26	-13.73	8.22
YBADJ	TTP5	29.92	51.09	0.00	0.00	101.45	112.61
YBADJ	TTP5	120.34	124.41	124.71	121.21	114.04	104.12
YBADJ	TTP5	90.99	74.49	55.72	35.26	13.73	-8.22
YBADJ	TTP5	-29.92	-51.09	0.00	0.00	-101.45	-112.61
YBADJ	TTP5	-120.34	-124.41	-124.71	-121.21	-114.04	-104.12
YBADJ	TTP6	-88.10	-71.70	-53.13	-32.95	-11.76	9.79
YBADJ	TTP6	31.04	51.72	0.00	0.00	100.57	111.25
YBADJ	TTP6	118.55	122.25	122.24	118.51	111.18	101.20
YBADJ	TTP6	88.10	71.70	53.13	32.94	11.76	-9.79
YBADJ	TTP6	-31.04	-51.72	0.00	0.00	-100.57	-111.25
YBADJ	TTP6	-118.55	-122.25	-122.24	-118.51	-111.18	-101.20
YBADJ	TTP7	-85.26	-69.04	-50.72	-30.86	-10.06	11.04
YBADJ	TTP7	31.81	51.99	0.00	0.00	99.34	109.58
YBADJ	TTP7	116.49	119.86	119.59	115.68	108.26	98.28
YBADJ	TTP7	85.26	69.04	50.72	30.86	10.06	-11.04
YBADJ	TTP7	-31.81	-51.99	0.00	0.00	-99.34	-109.58
YBADJ	TTP7	-116.49	-119.86	-119.59	-115.68	-108.26	-98.28
YBADJ	TTP8	-82.40	-66.33	-48.25	-28.70	-8.27	12.40
YBADJ	TTP8	32.70	52.38	0.00	0.00	98.23	108.01
YBADJ	TTP8	114.52	117.54	116.99	112.89	105.36	95.35
YBADJ	TTP8	82.40	66.33	48.25	28.70	8.27	-12.40
YBADJ	TTP8	-32.70	-52.38	0.00	0.00	-98.23	-108.01
YBADJ	TTP8	-114.52	-117.54	-116.99	-112.89	-105.36	-95.35
YBADJ	TTP9	-79.41	-63.47	-45.61	-26.37	-6.32	13.92
YBADJ	TTP9	33.74	52.91	0.00	0.00	97.19	106.49
YBADJ	TTP9	112.56	115.21	114.36	110.03	102.36	92.31
YBADJ	TTP9	79.41	63.47	45.61	26.37	6.32	-13.92
YBADJ	TTP9	-33.74	-52.91	0.00	0.00	-97.19	-106.49
YBADJ	TTP9	-112.56	-115.21	-114.36	-110.03	-102.36	-92.31
YBADJ	TTP10	-76.33	-60.58	-42.99	-24.10	-4.47	15.29
YBADJ	TTP10	34.59	53.21	0.00	0.00	95.87	104.69
YBADJ	TTP10	110.33	112.62	111.49	106.97	99.20	89.14
YBADJ	TTP10	76.33	60.58	42.99	24.10	4.47	-15.29
YBADJ	TTP10	-34.59	-53.21	0.00	0.00	-95.87	-104.69
YBADJ	TTP10	-110.33	-112.62	-111.49	-106.97	-99.20	-89.14
YBADJ	TTP11	-73.35	-57.76	-40.42	-21.85	-2.61	16.71
YBADJ	TTP11	35.51	53.62	0.00	83.79	94.72	103.07
YBADJ	TTP11	108.29	110.22	108.80	104.07	96.18	86.10
YBADJ	TTP11	73.35	57.76	40.42	21.85	2.61	-16.71
YBADJ	TTP11	-35.51	-53.62	0.00	-83.80	-94.72	-103.07
YBADJ	TTP11	-108.29	-110.22	-108.80	-104.07	-96.18	-86.10

YBADJ	TTP12	-70.46	-54.98	-37.83	-19.53	-0.64	18.27
YBADJ	TTP12	36.63	54.25	0.00	83.41	93.83	101.71
YBADJ	TTP12	106.50	108.06	106.33	101.37	93.33	83.18
YBADJ	TTP12	70.46	54.98	37.83	19.53	0.64	-18.27
YBADJ	TTP12	-36.63	-54.25	0.00	-83.41	-93.83	-101.71
YBADJ	TTP12	-106.50	-108.06	-106.33	-101.37	-93.33	-83.18
YBADJ	TTP13	-67.24	-51.93	-35.04	-17.09	1.38	19.81
YBADJ	TTP13	37.64	54.70	0.00	82.72	92.59	99.96
YBADJ	TTP13	104.29	105.46	103.42	98.24	90.07	79.89
YBADJ	TTP13	67.24	51.93	35.04	17.09	-1.38	-19.81
YBADJ	TTP13	-37.64	-54.70	0.00	-82.72	-92.59	-99.96
YBADJ	TTP13	-104.29	-105.46	-103.42	-98.24	-90.07	-79.89
YBADJ	TTP14	-64.38	-49.23	-32.57	-14.93	3.17	21.17
YBADJ	TTP14	38.52	55.09	0.00	82.09	91.48	98.40
YBADJ	TTP14	102.33	103.15	100.83	95.45	87.17	76.97
YBADJ	TTP14	64.38	49.23	32.57	14.93	-3.17	-21.17
YBADJ	TTP14	-38.52	-55.09	0.00	-82.09	-91.48	-98.40
YBADJ	TTP14	-102.33	-103.15	-100.83	-95.45	-87.17	-76.97
YBADJ	TTP15	-61.38	-46.36	-29.93	-12.59	5.13	22.69
YBADJ	TTP15	39.57	55.62	0.00	81.56	90.44	96.87
YBADJ	TTP15	100.37	100.81	98.19	92.59	84.17	73.92
YBADJ	TTP15	61.38	46.36	29.93	12.59	-5.13	-22.69
YBADJ	TTP15	-39.57	-55.62	0.00	-81.56	-90.44	-96.87
YBADJ	TTP15	-100.37	-100.81	-98.19	-92.59	-84.17	-73.92
YBADJ	TTP16	-58.31	-43.47	-27.32	-10.33	6.97	24.06
YBADJ	TTP16	40.42	55.93	0.00	80.78	89.13	95.09
YBADJ	TTP16	98.15	98.23	95.33	89.53	81.02	70.76
YBADJ	TTP16	58.31	43.47	27.32	10.33	-6.97	-24.06
YBADJ	TTP16	-40.42	-55.93	0.00	-80.78	-89.13	-95.09
YBADJ	TTP16	-98.15	-98.23	-95.33	-89.53	-81.02	-70.76
YBADJ	TTP17	-55.33	-40.65	-24.73	-8.07	8.84	25.49
YBADJ	TTP17	41.35	56.34	0.00	80.13	87.97	93.46
YBADJ	TTP17	96.10	95.82	92.63	86.63	77.99	67.71
YBADJ	TTP17	55.33	40.65	24.73	8.07	-8.84	-25.49
YBADJ	TTP17	-41.35	-56.34	0.00	-80.13	-87.97	-93.46
YBADJ	TTP17	-96.10	-95.82	-92.63	-86.63	-77.99	-67.71
YBADJ	TTP18	-52.43	-37.86	-22.14	-5.75	10.81	27.05
YBADJ	TTP18	42.46	56.97	0.00	79.74	87.09	92.10
YBADJ	TTP18	94.31	93.66	90.16	83.92	75.14	64.79
YBADJ	TTP18	52.43	37.86	22.14	5.75	-10.81	-27.05
YBADJ	TTP18	-42.46	-56.97	0.00	-79.74	-87.09	-92.10
YBADJ	TTP18	-94.31	-93.66	-90.16	-83.92	-75.14	-64.79
YBADJ	TTP19	-49.23	-34.86	-19.42	-3.39	12.73	28.48
YBADJ	TTP19	43.35	57.29	0.00	78.92	85.73	90.24
YBADJ	TTP19	92.01	90.98	87.19	80.75	71.85	61.50
YBADJ	TTP19	49.23	34.86	19.42	3.39	-12.74	-28.48
YBADJ	TTP19	-43.35	-57.29	0.00	-78.92	-85.73	-90.24
YBADJ	TTP19	-92.01	-90.98	-87.19	-80.75	-71.85	-61.50
YBADJ	TTP20	-46.38	-32.15	-16.95	-1.23	14.52	29.83
YBADJ	TTP20	44.24	57.68	0.00	78.30	84.62	88.67
YBADJ	TTP20	90.04	88.67	84.60	77.96	68.96	58.58
YBADJ	TTP20	46.38	32.15	16.95	1.23	-14.52	-29.83
YBADJ	TTP20	-44.24	-57.68	0.00	-78.30	-84.62	-88.67
YBADJ	TTP20	-90.04	-88.67	-84.60	-77.96	-68.96	-58.58
YBADJ	TTP21	-43.38	-29.29	-14.31	1.10	16.48	31.36
YBADJ	TTP21	45.28	58.21	0.00	77.77	83.57	87.15
YBADJ	TTP21	88.08	86.33	81.96	75.10	65.95	55.53

YBADJ	TTP21	43.38	29.29	14.31	-1.10	-16.48	-31.36
YBADJ	TTP21	-45.28	-58.21	0.00	-77.77	-83.57	-87.15
YBADJ	TTP21	-88.08	-86.33	-81.96	-75.10	-65.95	-55.53
YBADJ	TTP22	-40.31	-26.40	-11.69	3.37	18.33	32.73
YBADJ	TTP22	46.14	58.52	0.00	76.98	82.27	85.36
YBADJ	TTP22	85.86	83.75	79.10	72.04	62.80	52.37
YBADJ	TTP22	40.31	26.40	11.69	-3.37	-18.33	-32.73
YBADJ	TTP22	-46.14	-58.52	0.00	-76.98	-82.27	-85.36
YBADJ	TTP22	-85.86	-83.75	-79.10	-72.04	-62.80	-52.37
YBADJ	TTP23	-37.32	-23.58	-9.11	5.63	20.20	34.15
YBADJ	TTP23	47.07	58.94	0.00	76.33	81.11	83.73
YBADJ	TTP23	83.81	81.34	76.40	69.14	59.77	49.32
YBADJ	TTP23	37.32	23.58	9.11	-5.63	-20.20	-34.15
YBADJ	TTP23	-47.07	-58.94	0.00	-76.33	-81.11	-83.73
YBADJ	TTP23	-83.81	-81.34	-76.40	-69.14	-59.77	-49.32
YBADJ	TTP24	-34.43	-20.79	-6.52	7.94	22.17	35.72
YBADJ	TTP24	48.18	59.56	0.00	75.95	80.23	82.38
YBADJ	TTP24	82.02	79.18	73.93	66.43	56.92	46.40
YBADJ	TTP24	34.43	20.79	6.52	-7.94	-22.17	-35.72
YBADJ	TTP24	-48.18	-59.56	0.00	-75.95	-80.23	-82.38
YBADJ	TTP24	-82.02	-79.18	-73.93	-66.43	-56.92	-46.40
YBADJ	TTP25	-31.69	-18.20	-4.16	10.01	23.87	37.01
YBADJ	TTP25	49.03	59.93	0.00	75.34	79.16	80.87
YBADJ	TTP25	80.13	76.96	71.45	63.76	54.14	43.60
YBADJ	TTP25	31.69	18.20	4.16	-10.01	-23.87	-37.01
YBADJ	TTP25	-49.03	-59.93	0.00	-75.34	-79.16	-80.87
YBADJ	TTP25	-80.13	-76.96	-71.45	-63.76	-54.14	-43.60
YBADJ	TTP26	-28.83	-15.50	-1.69	12.17	25.66	38.37
YBADJ	TTP26	49.91	60.32	0.00	74.72	78.04	79.31
YBADJ	TTP26	78.16	74.64	68.86	60.98	51.24	40.68
YBADJ	TTP26	28.83	15.50	1.69	-12.17	-25.66	-38.37
YBADJ	TTP26	-49.91	-60.32	0.00	-74.72	-78.04	-79.31
YBADJ	TTP26	-78.16	-74.64	-68.86	-60.98	-51.24	-40.68
YBADJ	TTP27	-25.83	-12.63	0.95	14.51	27.62	39.89
YBADJ	TTP27	50.95	60.85	0.00	74.19	77.00	77.78
YBADJ	TTP27	76.20	72.31	66.22	58.11	48.24	37.63
YBADJ	TTP27	25.83	12.63	-0.95	-14.51	-27.62	-39.89
YBADJ	TTP27	-50.95	-60.85	0.00	-74.19	-77.00	-77.78
YBADJ	TTP27	-76.20	-72.31	-66.22	-58.11	-48.24	-37.63
YBADJ	TTP28	-22.76	-9.75	3.56	16.77	29.46	41.26
YBADJ	TTP28	51.80	61.15	0.00	73.39	75.68	75.99
YBADJ	TTP28	73.98	69.73	63.35	55.06	45.09	34.47
YBADJ	TTP28	22.76	9.75	-3.56	-16.77	-29.46	-41.26
YBADJ	TTP28	-51.80	-61.15	0.00	-73.39	-75.68	-75.99
YBADJ	TTP28	-73.98	-69.73	-63.35	-55.06	-45.09	-34.47
YBADJ	TTP29	-19.78	-6.92	6.14	19.02	31.33	42.68
YBADJ	TTP29	52.73	61.56	0.00	72.74	74.53	74.36
YBADJ	TTP29	71.93	67.31	60.65	52.15	42.06	31.42
YBADJ	TTP29	19.78	6.92	-6.14	-19.02	-31.33	-42.68
YBADJ	TTP29	-52.73	-61.56	0.00	-72.74	-74.53	-74.36
YBADJ	TTP29	-71.93	-67.31	-60.65	-52.15	-42.06	-31.42
YBADJ	TTP30	-16.88	-4.14	8.73	21.34	33.30	44.24
YBADJ	TTP30	53.84	62.19	0.00	72.36	73.64	73.00
YBADJ	TTP30	70.14	65.15	58.18	49.45	39.21	28.50
YBADJ	TTP30	16.88	4.14	-8.73	-21.34	-33.30	-44.24
YBADJ	TTP30	-53.84	-62.19	0.00	-72.36	-73.64	-73.00
YBADJ	TTP30	-70.14	-65.15	-58.18	-49.45	-39.21	-28.50

YBADJ	TTP31	-13.62	-1.01	11.64	23.94	35.50	45.99
YBADJ	TTP31	55.08	62.88	0.00	71.90	72.63	71.46
YBADJ	TTP31	68.12	62.71	55.39	46.40	35.99	25.21
YBADJ	TTP31	13.62	1.01	-11.64	-23.94	-35.50	-45.99
YBADJ	TTP31	-55.08	-62.88	0.00	-71.90	-72.63	-71.46
YBADJ	TTP31	-68.12	-62.71	-55.39	-46.40	-35.99	-25.21
YBADJ	TTP32	-10.77	1.70	14.11	26.10	37.29	47.35
YBADJ	TTP32	55.97	63.27	0.00	71.28	71.52	69.90
YBADJ	TTP32	66.15	60.40	52.81	43.61	33.09	22.29
YBADJ	TTP32	10.77	-1.70	-14.11	-26.10	-37.29	-47.35
YBADJ	TTP32	-55.97	-63.27	0.00	-71.28	-71.52	-69.90
YBADJ	TTP32	-66.15	-60.40	-52.81	-43.61	-33.09	-22.29
YBADJ	TTP33	-7.76	4.56	16.75	28.43	39.25	48.87
YBADJ	TTP33	57.01	63.79	0.00	70.75	70.48	68.37
YBADJ	TTP33	64.19	58.06	50.16	40.74	30.09	19.24
YBADJ	TTP33	7.76	-4.56	-16.75	-28.43	-39.25	-48.87
YBADJ	TTP33	-57.01	-63.79	0.00	-70.75	-70.48	-68.37
YBADJ	TTP33	-64.19	-58.06	-50.16	-40.74	-30.09	-19.24
YBADJ	TTP34	-4.69	7.45	19.37	30.70	41.10	50.24
YBADJ	TTP34	57.86	64.11	0.00	69.96	69.17	66.58
YBADJ	TTP34	61.98	55.49	47.31	37.69	26.93	16.08
YBADJ	TTP34	4.69	-7.45	-19.37	-30.70	-41.10	-50.24
YBADJ	TTP34	-57.86	-64.11	0.00	-69.96	-69.17	-66.58
YBADJ	TTP34	-61.98	-55.48	-47.31	-37.69	-26.93	-16.08
YBADJ	TTP35	-1.71	10.28	21.95	32.96	42.96	51.66
YBADJ	TTP35	58.80	64.52	0.00	69.31	68.01	64.96
YBADJ	TTP35	59.92	53.07	44.61	34.79	23.91	13.03
YBADJ	TTP35	1.71	-10.28	-21.95	-32.96	-42.96	-51.66
YBADJ	TTP35	-58.80	-64.52	0.00	-69.31	-68.01	-64.96
YBADJ	TTP35	-59.92	-53.07	-44.61	-34.79	-23.91	-13.03
YBADJ	TTP36	1.19	13.06	24.54	35.27	44.93	53.23
YBADJ	TTP36	59.91	65.14	0.00	68.93	67.13	63.60
YBADJ	TTP36	58.14	50.91	42.14	32.08	21.05	10.11
YBADJ	TTP36	-1.19	-13.06	-24.54	-35.27	-44.93	-53.23
YBADJ	TTP36	-59.91	-65.14	0.00	-68.93	-67.13	-63.60
YBADJ	TTP36	-58.14	-50.91	-42.14	-32.08	-21.05	-10.11
YBADJ	TTP37	4.50	16.18	27.37	37.72	46.93	54.72
YBADJ	TTP37	60.84	65.49	0.00	68.09	65.73	61.68
YBADJ	TTP37	55.76	48.14	39.06	28.79	17.65	6.70
YBADJ	TTP37	-4.50	-16.18	-27.37	-37.72	-46.93	-54.72
YBADJ	TTP37	-60.84	-65.49	0.00	-68.09	-65.73	-61.68
YBADJ	TTP37	-55.76	-48.14	-39.06	-28.79	-17.65	-6.70
YBADJ	TTP38	7.36	18.88	29.84	39.88	48.72	56.07
YBADJ	TTP38	61.72	65.88	0.00	67.46	64.62	60.11
YBADJ	TTP38	53.79	45.82	36.47	26.01	14.76	3.78
YBADJ	TTP38	-7.36	-18.88	-29.84	-39.88	-48.72	-56.07
YBADJ	TTP38	-61.72	-65.88	0.00	-67.46	-64.62	-60.11
YBADJ	TTP38	-53.79	-45.82	-36.47	-26.01	-14.76	-3.78
YBADJ	TTP39	10.36	21.75	32.48	42.22	50.68	57.60
YBADJ	TTP39	62.77	66.41	0.00	66.93	63.57	58.59
YBADJ	TTP39	51.83	43.49	33.83	23.14	11.75	0.73
YBADJ	TTP39	-10.36	-21.75	-32.48	-42.22	-50.68	-57.60
YBADJ	TTP39	-62.77	-66.41	0.00	-66.93	-63.57	-58.59
YBADJ	TTP39	-51.83	-43.49	-33.83	-23.14	-11.75	-0.73
YBADJ	TTP40	13.43	24.64	35.09	44.49	52.53	58.97
YBADJ	TTP40	63.62	66.72	0.00	66.15	62.27	56.80

YBADJ	TTP40	49.61	40.91	30.97	20.09	8.60	-2.43
YBADJ	TTP40	-13.43	-24.64	-35.09	-44.49	-52.53	-58.97
YBADJ	TTP40	-63.62	-66.72	0.00	-66.15	-62.27	-56.80
YBADJ	TTP40	-49.61	-40.91	-30.97	-20.09	-8.60	2.43
YBADJ	TTP41	16.41	27.46	37.68	46.75	54.39	60.39
YBADJ	TTP41	64.55	67.13	0.00	65.50	61.11	55.17
YBADJ	TTP41	47.56	38.50	28.27	17.18	5.57	-5.48
YBADJ	TTP41	-16.41	-27.46	-37.68	-46.75	-54.39	-60.39
YBADJ	TTP41	-64.55	-67.13	0.00	-65.50	-61.11	-55.17
YBADJ	TTP41	-47.56	-38.50	-28.27	-17.18	-5.57	5.48
YBADJ	TTP42	19.31	30.25	40.26	49.06	56.36	61.96
YBADJ	TTP42	65.66	67.76	0.00	65.11	60.22	53.82
YBADJ	TTP42	45.77	36.34	25.80	14.48	2.72	-8.40
YBADJ	TTP42	-19.31	-30.25	-40.26	-49.06	-56.36	-61.96
YBADJ	TTP42	-65.66	-67.76	0.00	-65.11	-60.22	-53.82
YBADJ	TTP42	-45.77	-36.34	-25.80	-14.48	-2.72	8.40
YBADJ	TTP43	22.07	32.88	42.69	51.20	58.16	63.36
YBADJ	TTP43	66.62	68.24	0.00	64.62	59.27	52.42
YBADJ	TTP43	43.97	34.20	23.38	11.85	-0.04	-11.20
YBADJ	TTP43	-22.07	-32.88	-42.69	-51.20	-58.16	-63.36
YBADJ	TTP43	-66.62	-68.24	0.00	-64.62	-59.27	-52.42
YBADJ	TTP43	-43.97	-34.20	-23.38	-11.85	0.04	11.20
YBADJ	TTP44	24.92	35.58	45.16	53.36	59.95	64.71
YBADJ	TTP44	67.51	68.63	0.00	64.00	58.15	50.85
YBADJ	TTP44	42.00	31.88	20.79	9.06	-2.93	-14.12
YBADJ	TTP44	-24.92	-35.58	-45.16	-53.36	-59.95	-64.71
YBADJ	TTP44	-67.51	-68.63	0.00	-64.00	-58.15	-50.85
YBADJ	TTP44	-42.00	-31.88	-20.79	-9.06	2.93	14.12
YBADJ	TTP45	27.92	38.45	47.80	55.70	61.91	66.24
YBADJ	TTP45	68.55	69.16	0.00	63.47	57.11	49.33
YBADJ	TTP45	40.04	29.54	18.15	6.20	-5.94	-17.17
YBADJ	TTP45	-27.92	-38.45	-47.80	-55.70	-61.91	-66.24
YBADJ	TTP45	-68.55	-69.16	0.00	-63.47	-57.11	-49.33
YBADJ	TTP45	-40.04	-29.54	-18.15	-6.20	5.94	17.17
YBADJ	TTP46	30.99	41.33	50.41	57.96	63.75	67.60
YBADJ	TTP46	69.40	69.46	0.00	62.67	55.80	47.53
YBADJ	TTP46	37.82	26.96	15.29	3.14	-9.09	-20.33
YBADJ	TTP46	-30.99	-41.33	-50.41	-57.96	-63.75	-67.60
YBADJ	TTP46	-69.40	-69.46	0.00	-62.67	-55.80	-47.53
YBADJ	TTP46	-37.82	-26.96	-15.29	-3.14	9.09	20.33
YBADJ	TTP47	33.98	44.16	52.99	60.22	65.62	69.02
YBADJ	TTP47	70.33	69.88	0.00	62.03	54.64	45.90
YBADJ	TTP47	35.77	24.55	12.58	0.24	-12.12	-23.38
YBADJ	TTP47	-33.98	-44.16	-52.99	-60.22	-65.62	-69.02
YBADJ	TTP47	-70.33	-69.88	0.00	-62.03	-54.64	-45.90
YBADJ	TTP47	-35.77	-24.55	-12.58	-0.24	12.12	23.38
YBADJ	TTP48	36.87	46.94	55.58	62.53	67.59	70.58
YBADJ	TTP48	71.44	70.50	0.00	61.64	53.75	44.55
YBADJ	TTP48	33.98	22.39	10.12	-2.47	-14.97	-26.30
YBADJ	TTP48	-36.87	-46.94	-55.58	-62.53	-67.59	-70.58
YBADJ	TTP48	-71.44	-70.50	0.00	-61.64	-53.75	-44.55
YBADJ	TTP48	-33.98	-22.39	-10.12	2.47	14.97	26.30
YBADJ	TTP49	40.21	50.10	58.47	65.07	69.69	72.19
YBADJ	TTP49	72.49	70.98	0.00	60.93	52.47	42.74
YBADJ	TTP49	31.70	19.70	7.10	-5.71	-18.35	-29.71
YBADJ	TTP49	-40.21	-50.10	-58.47	-65.07	-69.69	-72.19
YBADJ	TTP49	-72.49	-70.98	0.00	-60.93	-52.47	-42.74

YBADJ	TTP49	-31.70	-19.70	-7.10	5.71	18.35	29.71
YBADJ	TTP50	43.06	52.81	60.94	67.23	71.47	73.54
YBADJ	TTP50	73.38	71.36	0.00	60.30	51.36	41.17
YBADJ	TTP50	29.73	17.39	4.51	-8.50	-21.25	-32.63
YBADJ	TTP50	-43.06	-52.81	-60.94	-67.23	-71.47	-73.54
YBADJ	TTP50	-73.38	-71.36	0.00	-60.30	-51.36	-41.17
YBADJ	TTP50	-29.73	-17.39	-4.51	8.50	21.25	32.63
YBADJ	TTP51	46.07	55.67	63.58	69.56	73.43	75.07
YBADJ	TTP51	74.42	71.89	0.00	59.77	50.32	39.65
YBADJ	TTP51	27.77	15.05	1.87	-11.36	-24.25	-35.68
YBADJ	TTP51	-46.07	-55.67	-63.58	-69.56	-73.43	-75.07
YBADJ	TTP51	-74.42	-71.89	0.00	-59.77	-50.32	-39.65
YBADJ	TTP51	-27.77	-15.05	-1.87	11.36	24.25	35.68
YBADJ	TTP52	49.14	58.56	66.20	71.83	75.28	76.44
YBADJ	TTP52	75.28	72.21	0.00	58.99	49.01	37.86
YBADJ	TTP52	25.56	12.48	-0.98	-14.41	-27.41	-38.84
YBADJ	TTP52	-49.14	-58.56	-66.20	-71.83	-75.28	-76.44
YBADJ	TTP52	-75.28	-72.21	0.00	-58.99	-49.01	-37.86
YBADJ	TTP52	-25.56	-12.48	0.98	14.41	27.41	38.84
YBADJ	TTP53	52.12	61.38	68.78	74.08	77.14	77.85
YBADJ	TTP53	76.20	72.61	0.00	58.33	47.85	36.22
YBADJ	TTP53	23.50	10.06	-3.69	-17.32	-30.43	-41.89
YBADJ	TTP53	-52.12	-61.38	-68.78	-74.08	-77.14	-77.85
YBADJ	TTP53	-76.20	-72.61	0.00	-58.33	-47.85	-36.22
YBADJ	TTP53	-23.50	-10.06	3.69	17.32	30.43	41.89
YBADJ	TTP54	55.02	64.17	71.37	76.40	79.12	79.42
YBADJ	TTP54	77.32	73.24	0.00	57.95	46.97	34.88
YBADJ	TTP54	21.72	7.90	-6.15	-20.02	-33.29	-44.81
YBADJ	TTP54	-55.02	-64.17	-71.37	-76.40	-79.12	-79.42
YBADJ	TTP54	-77.32	-73.24	0.00	-57.95	-46.97	-34.88
YBADJ	TTP54	-21.72	-7.90	6.15	20.02	33.29	44.81
YBADJ	TTP55	57.95	66.90	73.82	78.50	80.79	80.62
YBADJ	TTP55	78.01	73.41	0.00	57.06	45.58	33.03
YBADJ	TTP55	19.48	5.34	-8.97	-23.01	-36.34	-47.85
YBADJ	TTP55	-57.95	-66.90	-73.82	-78.50	-80.79	-80.62
YBADJ	TTP55	-78.01	-73.41	0.00	-57.06	-45.58	-33.03
YBADJ	TTP55	-19.48	-5.34	8.97	23.01	36.34	47.85
YBADJ	TTP56	60.81	69.61	76.30	80.66	82.58	81.98
YBADJ	TTP56	78.90	73.80	0.00	56.43	44.47	31.47
YBADJ	TTP56	17.51	3.01	-11.57	-25.80	-39.25	-50.78
YBADJ	TTP56	-60.81	-69.61	-76.30	-80.66	-82.58	-81.98
YBADJ	TTP56	-78.90	-73.80	0.00	-56.43	-44.47	-31.47
YBADJ	TTP56	-17.51	-3.01	11.57	25.80	39.25	50.78
YBADJ	TTP57	63.81	72.47	78.93	82.99	84.53	83.50
YBADJ	TTP57	79.94	74.32	0.00	55.90	43.43	29.95
YBADJ	TTP57	15.55	0.69	-14.20	-28.66	-42.24	-53.82
YBADJ	TTP57	-63.81	-72.47	-78.93	-82.99	-84.53	-83.50
YBADJ	TTP57	-79.94	-74.32	0.00	-55.90	-43.43	-29.95
YBADJ	TTP57	-15.55	-0.69	14.20	28.66	42.24	53.82
YBADJ	TTP58	66.89	75.37	81.55	85.27	86.39	84.88
YBADJ	TTP58	80.80	74.64	0.00	55.12	42.12	28.15
YBADJ	TTP58	13.33	-1.90	-17.07	-31.72	-45.41	-56.99
YBADJ	TTP58	-66.89	-75.37	-81.55	-85.27	-86.39	-84.88
YBADJ	TTP58	-80.80	-74.64	0.00	-55.12	-42.12	-28.15
YBADJ	TTP58	-13.33	1.90	17.07	31.72	45.41	56.99
YBADJ	TTP59	69.86	78.18	84.12	87.51	88.24	86.29

YBADJ	TTP59	81.72	75.04	0.00	54.46	40.96	26.52
YBADJ	TTP59	11.28	-4.31	-19.77	-34.62	-48.42	-60.03
YBADJ	TTP59	-69.86	-78.18	-84.12	-87.51	-88.24	-86.29
YBADJ	TTP59	-81.72	-75.04	0.00	-54.46	-40.96	-26.52
YBADJ	TTP59	-11.28	4.31	19.77	34.62	48.42	60.03
YBADJ	TTP60	72.76	80.97	86.72	89.83	90.22	87.86
YBADJ	TTP60	82.84	75.67	0.00	54.08	40.08	25.17
YBADJ	TTP60	9.50	-6.46	-22.23	-37.32	-51.28	-62.95
YBADJ	TTP60	-72.76	-80.97	-86.72	-89.83	-90.22	-87.86
YBADJ	TTP60	-82.84	-75.67	0.00	-54.08	-40.08	-25.17
YBADJ	TTP60	-9.50	6.46	22.23	37.32	51.28	62.95
YBADJ	TTP61	76.02	84.10	89.63	92.43	92.42	89.61
YBADJ	TTP61	84.07	0.00	0.00	53.63	39.07	23.63
YBADJ	TTP61	7.48	-8.91	-25.02	-40.37	-54.50	-66.24
YBADJ	TTP61	-76.02	-84.10	-89.63	-92.43	-92.42	-89.61
YBADJ	TTP61	-84.07	0.00	0.00	-53.63	-39.07	-23.63
YBADJ	TTP61	-7.48	8.91	25.02	40.37	54.50	66.24
YBADJ	TTP62	78.88	86.81	92.10	94.60	94.22	90.97
YBADJ	TTP62	84.96	0.00	0.00	53.00	37.95	22.06
YBADJ	TTP62	5.50	-11.23	-27.62	-43.16	-57.40	-69.17
YBADJ	TTP62	-78.88	-86.81	-92.10	-94.60	-94.22	-90.97
YBADJ	TTP62	-84.96	0.00	0.00	-53.00	-37.95	-22.06
YBADJ	TTP62	-5.50	11.23	27.62	43.16	57.40	69.17
YBADJ	TTP63	81.88	89.67	94.74	96.93	96.17	92.49
YBADJ	TTP63	86.00	0.00	0.00	52.47	36.91	20.54
YBADJ	TTP63	3.55	-13.56	-30.25	-46.02	-60.40	-72.21
YBADJ	TTP63	-81.88	-89.67	-94.74	-96.93	-96.17	-92.49
YBADJ	TTP63	-86.00	0.00	0.00	-52.47	-36.91	-20.54
YBADJ	TTP63	-3.55	13.56	30.25	46.02	60.40	72.21
YBADJ	TTP64	84.95	92.56	97.36	99.19	98.02	93.86
YBADJ	TTP64	86.85	0.00	0.00	51.68	35.60	18.74
YBADJ	TTP64	1.32	-16.15	-33.12	-49.09	-63.56	-75.38
YBADJ	TTP64	-84.95	-92.56	-97.36	-99.19	-98.02	-93.86
YBADJ	TTP64	-86.85	0.00	0.00	-51.68	-35.60	-18.74
YBADJ	TTP64	-1.32	16.15	33.12	49.09	63.56	75.38
YBADJ	TTP65	87.93	95.38	99.93	101.44	99.88	95.28
YBADJ	TTP65	87.78	0.00	0.00	51.03	34.44	17.12
YBADJ	TTP65	-0.73	-18.55	-35.81	-51.98	-66.58	-78.42
YBADJ	TTP65	-87.93	-95.38	-99.93	-101.44	-99.88	-95.28
YBADJ	TTP65	-87.78	0.00	0.00	-51.03	-34.44	-17.12
YBADJ	TTP65	0.73	18.55	35.81	51.98	66.58	78.42
YBADJ	TTP66	90.82	98.16	102.52	103.76	101.85	96.84
YBADJ	TTP66	88.89	0.00	0.00	50.64	33.56	15.76
YBADJ	TTP66	-2.51	-20.71	-38.28	-54.69	-69.43	-81.34
YBADJ	TTP66	-90.82	-98.16	-102.52	-103.76	-101.85	-96.84
YBADJ	TTP66	-88.89	0.00	0.00	-50.64	-33.56	-15.76
YBADJ	TTP66	2.51	20.71	38.28	54.69	69.43	81.34
YBADJ	TTP67	93.79	100.95	105.04	105.94	103.62	98.16
YBADJ	TTP67	89.71	0.00	0.00	49.88	32.29	14.03
YBADJ	TTP67	-4.66	-23.20	-41.04	-57.63	-72.48	-84.39
YBADJ	TTP67	-93.79	-100.95	-105.04	-105.94	-103.62	-98.16
YBADJ	TTP67	-89.71	0.00	0.00	-49.88	-32.29	-14.03
YBADJ	TTP67	4.66	23.20	41.04	57.63	72.48	84.39
YBADJ	TTP68	96.64	103.65	107.51	108.10	105.41	99.51
YBADJ	TTP68	90.60	0.00	0.00	49.25	31.18	12.46
YBADJ	TTP68	-6.63	-25.52	-43.63	-60.42	-75.37	-87.31
YBADJ	TTP68	-96.64	-103.65	-107.51	-108.10	-105.41	-99.51

YBADJ	TTP68	-90.60	0.00	0.00	-49.25	-31.18	-12.46
YBADJ	TTP68	6.63	25.52	43.63	60.42	75.37	87.31
YBADJ	TTP69	99.63	106.51	110.14	110.43	107.36	101.03
YBADJ	TTP69	91.63	0.00	0.00	48.72	30.14	10.94
YBADJ	TTP69	-8.58	-27.84	-46.26	-63.28	-78.37	-90.35
YBADJ	TTP69	-99.63	-106.51	-110.14	-110.43	-107.36	-101.03
YBADJ	TTP69	-91.63	0.00	0.00	-48.72	-30.14	-10.94
YBADJ	TTP69	8.58	27.84	46.26	63.28	78.37	90.35
YBADJ	TTP70	102.71	109.40	112.76	112.70	109.21	102.40
YBADJ	TTP70	92.48	0.00	0.00	47.93	28.82	9.14
YBADJ	TTP70	-10.81	-30.43	-49.13	-66.34	-81.53	-93.52
YBADJ	TTP70	-102.71	-109.40	-112.76	-112.70	-109.21	-102.40
YBADJ	TTP70	-92.48	0.00	0.00	-47.93	-28.82	-9.14
YBADJ	TTP70	10.81	30.43	49.13	66.34	81.53	93.52
YBADJ	TTP71	105.69	112.21	115.33	114.95	111.07	103.82
YBADJ	TTP71	93.41	0.00	0.00	47.28	27.67	7.52
YBADJ	TTP71	-12.86	-32.84	-51.83	-69.24	-84.55	-96.56
YBADJ	TTP71	-105.69	-112.21	-115.33	-114.95	-111.07	-103.82
YBADJ	TTP71	-93.41	0.00	0.00	-47.28	-27.67	-7.52
YBADJ	TTP71	12.86	32.84	51.83	69.24	84.55	96.56
YBADJ	TTP72	108.59	115.01	117.93	117.27	113.05	105.39
YBADJ	TTP72	94.53	0.00	0.00	46.89	26.78	6.16
YBADJ	TTP72	-14.65	-35.01	-54.30	-71.95	-87.41	-99.49
YBADJ	TTP72	-108.59	-115.01	-117.93	-117.27	-113.05	-105.39
YBADJ	TTP72	-94.53	0.00	0.00	-46.89	-26.78	-6.16
YBADJ	TTP72	14.65	35.01	54.30	71.95	87.41	99.49
YBADJ	TTP73	111.68	117.94	120.61	119.61	114.99	106.86
YBADJ	TTP73	95.49	0.00	0.00	46.22	25.58	4.47
YBADJ	TTP73	-16.77	-37.51	-57.10	-74.96	-90.54	-102.65
YBADJ	TTP73	-111.68	-117.94	-120.61	-119.61	-114.99	-106.86
YBADJ	TTP73	-95.49	0.00	0.00	-46.22	-25.58	-4.47
YBADJ	TTP73	16.77	37.51	57.10	74.96	90.54	102.65
YBADJ	TTP74	114.55	120.65	123.08	121.78	116.78	108.22
YBADJ	TTP74	96.38	0.00	0.00	45.60	24.47	2.91
YBADJ	TTP74	-18.75	-39.83	-59.70	-77.76	-93.45	-105.58
YBADJ	TTP74	-114.55	-120.65	-123.08	-121.78	-116.78	-108.22
YBADJ	TTP74	-96.38	0.00	0.00	-45.60	-24.47	-2.91
YBADJ	TTP74	18.75	39.83	59.70	77.76	93.45	105.58
YBADJ	TTP75	117.54	123.51	125.72	124.11	118.73	109.74
YBADJ	TTP75	97.42	0.00	0.00	45.07	23.43	1.39
YBADJ	TTP75	-20.70	-42.16	-62.33	-80.61	-96.44	-108.62
YBADJ	TTP75	-117.54	-123.51	-125.72	-124.11	-118.73	-109.74
YBADJ	TTP75	-97.42	0.00	0.00	-45.07	-23.43	-1.39
YBADJ	TTP75	20.70	42.16	62.33	80.61	96.44	108.62
YBADJ	TTP76	120.62	126.40	128.34	126.38	120.58	111.12
YBADJ	TTP76	98.28	0.00	0.00	44.28	22.12	-0.41
YBADJ	TTP76	-22.92	-44.74	-65.20	-83.67	-99.61	-111.79
YBADJ	TTP76	-120.62	-126.40	-128.34	-126.38	-120.58	-111.12
YBADJ	TTP76	-98.28	0.00	0.00	-44.28	-22.12	0.41
YBADJ	TTP76	22.92	44.74	65.20	83.67	99.61	111.79
YBADJ	TTP77	123.59	129.21	130.91	128.63	122.44	112.53
YBADJ	TTP77	99.20	0.00	0.00	43.63	20.96	-2.04
YBADJ	TTP77	-24.97	-47.15	-67.89	-86.57	-102.62	-114.83
YBADJ	TTP77	-123.59	-129.21	-130.91	-128.63	-122.44	-112.53
YBADJ	TTP77	-99.20	0.00	0.00	-43.63	-20.96	2.04
YBADJ	TTP77	24.97	47.15	67.89	86.57	102.62	114.83







OU STARTING  
\*\* Auto-Generated Plotfiles  
PLOTFILE PERIOD ALL "15639 OPS HRA MITIGATED.AD\PE00GALL.PLT" 31  
SUMMFILE "15639 Ops HRA Mitigated.sum"  
OU FINISHED

\*\*\* Message Summary For AERMOD Model Setup \*\*\*

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)  
A Total of 133 Warning Message(s)  
A Total of 0 Informational Message(s)

\*\*\*\*\* FATAL ERROR MESSAGES \*\*\*\*\*  
\*\*\* NONE \*\*\*

\*\*\*\*\* WARNING MESSAGES \*\*\*\*\*

SO W320	1417	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1418	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1419	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1420	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1421	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1422	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1423	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1424	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1425	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1426	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1427	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1428	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1429	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1430	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1431	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1432	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1433	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1434	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1435	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1436	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1437	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1438	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1439	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1440	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1441	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1442	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1443	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1444	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1445	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1446	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1447	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1448	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1449	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1450	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1451	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1452	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1453	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1454	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1455	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1456	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1457	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1458	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1459	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1460	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1461	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS





0 POINTCAP(s) and 0 POINTHOR(s)  
 and: 826 VOLUME source(s)  
 and: 0 AREA type source(s)  
 and: 0 LINE source(s)  
 and: 0 RLINE/RLINEXT source(s)  
 and: 0 OPENPIT source(s)  
 and: 0 BUOYANT LINE source(s) with a total of 0 line(s)  
 and: 0 SWPOINT source(s)

\*\*Model Set To Continue RUNning After the Setup Testing.

\*\*The AERMET Input Meteorological Data Version Date: 21112

\*\*Output Options Selected:

Model Outputs Tables of PERIOD Averages by Receptor  
 Model Outputs 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) = 30.00 ; Decay Coef. =  
 0.000 ; Rot. Angle = 0.0  
 Emission Units = GRAMS/SEC ; Emission Rate  
 Unit Factor = 0.10000E+07  
 Output Units = MICROGRAMS/M\*\*3

\*\*Approximate Storage Requirements of Model = 6.6 MB of RAM.

\*\*Input Runstream File:

aermod.inp

\*\*Output Print File:

aermod.out

\*\*Detailed Error/Message File: 15639 Ops HRA

Mitigated.err

\*\*File for Summary of Results: 15639 Ops HRA

Mitigated.sum

**FF** \*\*\* AERMOD - VERSION 23132 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\15639  
 Spreckels\15639 Ops HRA\1 \*\*\* 09/20/24

\*\*\* AERMET - VERSION 21112 \*\*\*

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11:04:36

PAGE 2

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* POINT SOURCE DATA \*\*\*

SOURCE	DIAMETER	ID	STACK PART.	EMISSION RATE (GRAMS/SEC)	URBAN CAP/ X	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)
IDLE1	0.10	0	YES	0.84776E-06	658435.2	13.3	3.84	366.00	51.71
IDLE2	0.10	0	YES	0.84776E-06	658439.2	13.3	3.84	366.00	51.71
IDLE3	0	0	YES	0.84776E-06	658443.0	13.3	3.84	366.00	51.71

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0.10	YES	YES	NO						
IDLE4		0	0.84776E-06	658447.0	4184223.9	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
IDLE5		0	0.84776E-06	658451.1	4184223.9	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
IDLE6		0	0.84776E-06	658458.9	4184224.1	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
IDLE7		0	0.84776E-06	658462.9	4184224.3	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
IDLE8		0	0.84776E-06	658466.7	4184224.4	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
IDLE9		0	0.84776E-06	658470.7	4184224.5	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
IDLE10		0	0.84776E-06	658474.8	4184224.6	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
IDLE11		0	0.84776E-06	658478.8	4184224.8	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
IDLE12		0	0.84776E-06	658482.7	4184224.9	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
IDLE13		0	0.84776E-06	658506.3	4184225.4	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
IDLE14		0	0.84776E-06	658510.3	4184225.6	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
IDLE15		0	0.84776E-06	658514.3	4184225.7	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
IDLE16		0	0.84776E-06	658490.4	4184224.9	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
IDLE17		0	0.84776E-06	658494.4	4184225.1	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
IDLE18		0	0.84776E-06	658498.2	4184225.2	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
IDLE19		0	0.84776E-06	658502.2	4184225.3	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
IDLE20		0	0.84776E-06	658538.1	4184226.2	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
IDLE21		0	0.84776E-06	658542.0	4184226.4	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
IDLE22		0	0.84776E-06	658546.0	4184226.5	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
IDLE23		0	0.84776E-06	658522.2	4184225.8	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
IDLE24		0	0.84776E-06	658526.2	4184226.0	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
IDLE25		0	0.84776E-06	658530.0	4184226.1	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
IDLE26		0	0.84776E-06	658534.0	4184226.2	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
IDLE27		0	0.84776E-06	658569.6	4184227.0	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
IDLE28		0	0.84776E-06	658573.5	4184227.2	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
IDLE29		0	0.84776E-06	658577.5	4184227.3	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
IDLE30		0	0.84776E-06	658553.6	4184226.6	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
IDLE31		0	0.84776E-06	658557.7	4184226.8	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
IDLE32		0	0.84776E-06	658561.5	4184226.8	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
IDLE33		0	0.84776E-06	658565.5	4184227.0	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
IDLE34		0	0.84776E-06	658601.3	4184227.9	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
IDLE35		0	0.84776E-06	658605.3	4184228.1	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
IDLE36		0	0.84776E-06	658609.3	4184228.2	13.2	3.84	366.00	51.71

0.10	YES	YES	NO						
IDLE37		0	0.84776E-06	658585.4	4184227.5	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
IDLE38		0	0.84776E-06	658589.4	4184227.7	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
IDLE39		0	0.84776E-06	658593.3	4184227.8	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
IDLE40		0	0.84776E-06	658597.2	4184227.9	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						

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\*\*\* AERMET - VERSION 21112 \*\*\*  
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\*\*\* MODELOPTs:      RegDFAULT    CONC    ELEV    URBAN    ADJ\_U\*

\*\*\* POINT SOURCE DATA \*\*\*

SOURCE	DIAMETER	ID	STACK PART.	NUMBER EXISTS	EMISSION SOURCE	RATE BLDG HOR	URBAN CAP/ X	EMIS RATE Y	BASE ELEV.	STACK HEIGHT	STACK TEMP.	STACK EXIT	STACK VEL.
-----													
IDLE41			0		0.84776E-06	658633.0	4184228.7		13.3	3.84	366.00	51.71	
0.10	YES		YES		NO								
IDLE42			0		0.84776E-06	658636.9	4184228.9		13.3	3.84	366.00	51.71	
0.10	YES		YES		NO								
IDLE43			0		0.84776E-06	658617.0	4184228.3		13.3	3.84	366.00	51.71	
0.10	YES		YES		NO								
IDLE44			0		0.84776E-06	658621.1	4184228.5		13.3	3.84	366.00	51.71	
0.10	YES		YES		NO								
IDLE45			0		0.84776E-06	658624.9	4184228.5		13.3	3.84	366.00	51.71	
0.10	YES		YES		NO								
IDLE46			0		0.84776E-06	658628.9	4184228.7		13.3	3.84	366.00	51.71	
0.10	YES		YES		NO								
TRU1			0		0.89121E-05	658435.1	4184226.3		13.3	3.96	501.00	49.00	
0.04	YES		YES		NO								
TRU2			0		0.89121E-05	658439.1	4184226.2		13.3	3.96	501.00	49.00	
0.04	YES		YES		NO								
TRU3			0		0.89121E-05	658443.0	4184226.3		13.3	3.96	501.00	49.00	
0.04	YES		YES		NO								
TRU4			0		0.89121E-05	658446.9	4184226.4		13.3	3.96	501.00	49.00	
0.04	YES		YES		NO								
TRU5			0		0.89121E-05	658450.8	4184226.5		13.3	3.96	501.00	49.00	
0.04	YES		YES		NO								
TRU6			0		0.89121E-05	658458.8	4184226.8		13.3	3.96	501.00	49.00	
0.04	YES		YES		NO								
TRU7			0		0.89121E-05	658462.8	4184226.8		13.3	3.96	501.00	49.00	
0.04	YES		YES		NO								
TRU8			0		0.89121E-05	658466.7	4184226.9		13.3	3.96	501.00	49.00	
0.04	YES		YES		NO								
TRU9			0		0.89121E-05	658470.5	4184227.0		13.3	3.96	501.00	49.00	
0.04	YES		YES		NO								
TRU10			0		0.89121E-05	658474.5	4184227.1		13.3	3.96	501.00	49.00	
0.04	YES		YES		NO								
TRU11			0		0.89121E-05	658478.5	4184227.3		13.3	3.96	501.00	49.00	
0.04	YES		YES		NO								
TRU12			0		0.89121E-05	658482.6	4184227.3		13.3	3.96	501.00	49.00	
0.04	YES		YES		NO								
TRU13			0		0.89121E-05	658490.3	4184227.7		13.3	3.96	501.00	49.00	



0.04	YES	YES	NO						
TRU14		0	0.89121E-05	658494.3	4184227.7	13.3	3.96	501.00	49.00
0.04	YES	YES	NO						
TRU15		0	0.89121E-05	658498.2	4184227.8	13.3	3.96	501.00	49.00
0.04	YES	YES	NO						
TRU16		0	0.89121E-05	658502.0	4184227.9	13.3	3.96	501.00	49.00
0.04	YES	YES	NO						
TRU17		0	0.89121E-05	658506.0	4184228.0	13.3	3.96	501.00	49.00
0.04	YES	YES	NO						
TRU18		0	0.89121E-05	658510.1	4184228.2	13.3	3.96	501.00	49.00
0.04	YES	YES	NO						
TRU19		0	0.89121E-05	658514.1	4184228.2	13.2	3.96	501.00	49.00
0.04	YES	YES	NO						
TRU20		0	0.89121E-05	658521.9	4184228.6	13.2	3.96	501.00	49.00
0.04	YES	YES	NO						
TRU21		0	0.89121E-05	658525.9	4184228.5	13.2	3.96	501.00	49.00
0.04	YES	YES	NO						
TRU22		0	0.89121E-05	658529.8	4184228.6	13.2	3.96	501.00	49.00
0.04	YES	YES	NO						
TRU23		0	0.89121E-05	658533.7	4184228.7	13.2	3.96	501.00	49.00
0.04	YES	YES	NO						
TRU24		0	0.89121E-05	658537.7	4184228.8	13.2	3.96	501.00	49.00
0.04	YES	YES	NO						
TRU25		0	0.89121E-05	658541.7	4184229.0	13.2	3.96	501.00	49.00
0.04	YES	YES	NO						
TRU26		0	0.89121E-05	658545.7	4184229.1	13.2	3.96	501.00	49.00
0.04	YES	YES	NO						
TRU27		0	0.89121E-05	658553.6	4184229.4	13.2	3.96	501.00	49.00
0.04	YES	YES	NO						
TRU28		0	0.89121E-05	658557.6	4184229.3	13.2	3.96	501.00	49.00
0.04	YES	YES	NO						
TRU29		0	0.89121E-05	658561.5	4184229.5	13.2	3.96	501.00	49.00
0.04	YES	YES	NO						
TRU30		0	0.89121E-05	658565.4	4184229.5	13.2	3.96	501.00	49.00
0.04	YES	YES	NO						
TRU31		0	0.89121E-05	658569.4	4184229.7	13.2	3.96	501.00	49.00
0.04	YES	YES	NO						
TRU32		0	0.89121E-05	658573.4	4184229.9	13.2	3.96	501.00	49.00
0.04	YES	YES	NO						
TRU33		0	0.89121E-05	658577.4	4184229.9	13.2	3.96	501.00	49.00
0.04	YES	YES	NO						
TRU34		0	0.89121E-05	658585.2	4184230.2	13.2	3.96	501.00	49.00
0.04	YES	YES	NO						

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\*\*\* AERMET - VERSION 21112 \*\*\*  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* POINT SOURCE DATA \*\*\*

SOURCE	DIAMETER	ID	EMIS RATE	BASE	STACK	STACK	STACK	EMIS RATE	
								X	Y
STACK	PART.	CATS.	BLDG	ELEV.	HEIGHT	TEMP.	EXIT	VEL.	
EXISTS	SOURCE	HOR	SCALAR	(METERS)	(METERS)	(DEG.K)	(M/SEC)		
			VARY BY						

TRU35		0	0.89121E-05	658589.2	4184230.2	13.2	3.96	501.00	49.00
0.04	YES	YES	NO						
TRU36		0	0.89121E-05	658593.1	4184230.3	13.2	3.96	501.00	49.00

0.04	YES	YES	NO						
TRU37		0	0.89121E-05	658597.0	4184230.4	13.2	3.96	501.00	49.00
0.04	YES	YES	NO						
TRU38		0	0.89121E-05	658601.0	4184230.5	13.2	3.96	501.00	49.00
0.04	YES	YES	NO						
TRU39		0	0.89121E-05	658605.0	4184230.7	13.2	3.96	501.00	49.00
0.04	YES	YES	NO						
TRU40		0	0.89121E-05	658609.0	4184230.7	13.2	3.96	501.00	49.00
0.04	YES	YES	NO						
TRU41		0	0.89121E-05	658616.8	4184231.1	13.2	3.96	501.00	49.00
0.04	YES	YES	NO						
TRU42		0	0.89121E-05	658620.8	4184231.1	13.3	3.96	501.00	49.00
0.04	YES	YES	NO						
TRU43		0	0.89121E-05	658624.7	4184231.2	13.3	3.96	501.00	49.00
0.04	YES	YES	NO						
TRU44		0	0.89121E-05	658628.5	4184231.3	13.3	3.96	501.00	49.00
0.04	YES	YES	NO						
TRU45		0	0.89121E-05	658632.5	4184231.4	13.3	3.96	501.00	49.00
0.04	YES	YES	NO						
TRU46		0	0.89121E-05	658636.5	4184231.6	13.3	3.96	501.00	49.00
0.04	YES	YES	NO						
TTP1		0	0.15661E-06	658419.2	4184197.3	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP2		0	0.15661E-06	658422.1	4184197.4	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP3		0	0.15661E-06	658425.2	4184197.4	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP4		0	0.15661E-06	658428.4	4184197.7	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP5		0	0.15661E-06	658431.4	4184197.8	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP6		0	0.15661E-06	658434.3	4184197.7	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP7		0	0.15661E-06	658437.2	4184197.9	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP8		0	0.15661E-06	658440.2	4184198.0	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP9		0	0.15661E-06	658443.2	4184198.0	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP10		0	0.15661E-06	658446.4	4184198.3	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP11		0	0.15661E-06	658449.4	4184198.4	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP12		0	0.15661E-06	658452.3	4184198.3	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP13		0	0.15661E-06	658455.6	4184198.4	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP14		0	0.15661E-06	658458.6	4184198.5	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP15		0	0.15661E-06	658461.6	4184198.5	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP16		0	0.15661E-06	658464.8	4184198.8	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP17		0	0.15661E-06	658467.8	4184198.9	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP18		0	0.15661E-06	658470.7	4184198.8	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP19		0	0.15661E-06	658474.0	4184199.0	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP20		0	0.15661E-06	658476.9	4184199.1	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP21		0	0.15661E-06	658480.0	4184199.1	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP22		0	0.15661E-06	658483.2	4184199.4	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP23		0	0.15661E-06	658486.2	4184199.5	13.2	3.84	366.00	51.71

0.10	YES	YES	NO						
TTP24		0	0.15661E-06	658489.1	4184199.4	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP25		0	0.15661E-06	658491.9	4184199.5	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP26		0	0.15661E-06	658494.8	4184199.6	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP27		0	0.15661E-06	658497.9	4184199.6	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP28		0	0.15661E-06	658501.1	4184199.8	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						

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\*\*\* MODELOPTs:      RegDFAULT    CONC    ELEV    URBAN    ADJ\_U\*

\*\*\* POINT SOURCE DATA \*\*\*

SOURCE	DIAMETER	STACK	NUMBER	EMISSION	RATE	BASE	STACK	STACK	STACK
ID	(METERS)	PART.	STACK	BLDG	URBAN	ELEV.	HEIGHT	TEMP.	EXIT
		CATS.	SOURCE	(GRAMS/SEC)	CAP/	(METERS)	(METERS)	(DEG.K)	VEL.
			HOR	SCALAR	X	Y			(M/SEC)
				(METERS)	(METERS)	(METERS)	(METERS)		
				VARY BY					
TTP29		0	0.15661E-06	658504.1	4184200.0	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP30		0	0.15661E-06	658507.0	4184199.8	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP31		0	0.15661E-06	658510.3	4184199.7	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP32		0	0.15661E-06	658513.2	4184199.8	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP33		0	0.15661E-06	658516.3	4184199.8	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP34		0	0.15661E-06	658519.4	4184200.1	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP35		0	0.15661E-06	658522.5	4184200.2	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP36		0	0.15661E-06	658525.4	4184200.1	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP37		0	0.15661E-06	658528.8	4184200.3	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP38		0	0.15661E-06	658531.7	4184200.5	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP39		0	0.15661E-06	658534.8	4184200.5	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP40		0	0.15661E-06	658538.0	4184200.7	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP41		0	0.15661E-06	658541.0	4184200.8	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP42		0	0.15661E-06	658543.9	4184200.7	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP43		0	0.15661E-06	658546.7	4184200.7	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP44		0	0.15661E-06	658549.6	4184200.8	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP45		0	0.15661E-06	658552.7	4184200.8	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP46		0	0.15661E-06	658555.9	4184201.1	13.2	3.84	366.00	51.71

0.10	YES	YES	NO						
TTP47		0	0.15661E-06	658558.9	4184201.2	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP48		0	0.15661E-06	658561.8	4184201.1	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP49		0	0.15661E-06	658565.2	4184201.2	13.2	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP50		0	0.15661E-06	658568.2	4184201.3	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP51		0	0.15661E-06	658571.2	4184201.3	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP52		0	0.15661E-06	658574.4	4184201.6	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP53		0	0.15661E-06	658577.4	4184201.7	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP54		0	0.15661E-06	658580.3	4184201.6	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP55		0	0.15661E-06	658583.4	4184201.9	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP56		0	0.15661E-06	658586.3	4184202.0	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP57		0	0.15661E-06	658589.3	4184202.0	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP58		0	0.15661E-06	658592.5	4184202.3	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP59		0	0.15661E-06	658595.6	4184202.4	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP60		0	0.15661E-06	658598.5	4184202.3	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP61		0	0.15661E-06	658601.8	4184202.2	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP62		0	0.15661E-06	658604.7	4184202.3	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP63		0	0.15661E-06	658607.7	4184202.3	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP64		0	0.15661E-06	658610.9	4184202.5	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP65		0	0.15661E-06	658613.9	4184202.6	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP66		0	0.15661E-06	658616.9	4184202.5	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP67		0	0.15661E-06	658619.9	4184202.8	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP68		0	0.15661E-06	658622.8	4184202.9	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						

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*** AERMOD - VERSION 23132 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15639
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*** AERMET - VERSION 21112 ***
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* POINT SOURCE DATA \*\*\*

SOURCE	DIAMETER	ID	STACK PART.	EMISION RATE	BASE	STACK	STACK	STACK	
									BLDG
				(GRAMS/SEC)	(METERS)	(METERS)	(METERS)	(DEG.K)	
				SCALAR	(METERS)	(METERS)	(METERS)	(M/SEC)	
				VARY BY					

TTP69 0 0.15661E-06 658625.9 4184202.9 13.3 3.84 366.00 51.71

0.10	YES	YES	NO						
TTP70		0	0.15661E-06	658629.0	4184203.1	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP71		0	0.15661E-06	658632.1	4184203.3	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP72		0	0.15661E-06	658635.0	4184203.1	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP73		0	0.15661E-06	658638.2	4184203.3	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP74		0	0.15661E-06	658641.1	4184203.4	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP75		0	0.15661E-06	658644.1	4184203.4	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP76		0	0.15661E-06	658647.3	4184203.6	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP77		0	0.15661E-06	658650.4	4184203.7	13.3	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP78		0	0.15661E-06	658653.3	4184203.6	13.4	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP79		0	0.15661E-06	658656.1	4184203.7	13.4	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP80		0	0.15661E-06	658659.0	4184203.9	13.4	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP81		0	0.15661E-06	658662.0	4184203.9	13.4	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP82		0	0.15661E-06	658665.2	4184204.1	13.4	3.84	366.00	51.71
0.10	YES	YES	NO						
TTP83		0	0.15661E-06	658668.3	4184204.2	13.4	3.84	366.00	51.71
0.10	YES	YES	NO						
STCK1		0	0.10710E-01	658699.8	4184281.4	13.6	3.55	728.55	54.78
0.13	YES	YES	NO	HRDOW7					
STCK2		0	0.10710E-01	658700.2	4184271.3	13.6	3.84	798.16	160.56
0.17	YES	YES	NO	HRDOW7					

**PR** \*\*\* AERMOD - VERSION 23132 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\15639  
 Spreckels\15639 Ops HRA\1 \*\*\*      09/20/24  
 \*\*\* AERMET - VERSION 21112 \*\*\*  
 \*\*\*      \*\*\*      11:04:36

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

SOURCE	NUMBER	EMISSION RATE	AIRCRAFT		BASE	RELEASE	INIT.	INIT.
SOURCE	URBAN	EMISSION RATE	X	Y	ELEV.	HEIGHT	SY	SZ
ID	PART.	(GRAMS/SEC)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	SCALAR VARY	BY						
	CATS.							
L0000001	0	0.21280E-05	658420.1	4184210.0	13.2	3.49	4.00	3.25
YES		NO						
L0000002	0	0.21280E-05	658428.7	4184210.2	13.3	3.49	4.00	3.25
YES		NO						
L0000003	0	0.21280E-05	658437.3	4184210.4	13.3	3.49	4.00	3.25
YES		NO						
L0000004	0	0.21280E-05	658445.9	4184210.6	13.3	3.49	4.00	3.25
YES		NO						
L0000005	0	0.21280E-05	658454.5	4184210.7	13.3	3.49	4.00	3.25
YES		NO						
L0000006	0	0.21280E-05	658463.0	4184210.9	13.3	3.49	4.00	3.25
YES		NO						
L0000007	0	0.21280E-05	658471.6	4184211.1	13.3	3.49	4.00	3.25

YES		NO						
L0000008	0	0.21280E-05	658480.2	4184211.2	13.3	3.49	4.00	3.25
YES		NO						
L0000009	0	0.21280E-05	658488.8	4184211.4	13.3	3.49	4.00	3.25
YES		NO						
L0000010	0	0.21280E-05	658497.4	4184211.6	13.3	3.49	4.00	3.25
YES		NO						
L0000011	0	0.21280E-05	658506.0	4184211.8	13.2	3.49	4.00	3.25
YES		NO						
L0000012	0	0.21280E-05	658514.6	4184211.9	13.2	3.49	4.00	3.25
YES		NO						
L0000013	0	0.21280E-05	658523.2	4184212.1	13.2	3.49	4.00	3.25
YES		NO						
L0000014	0	0.21280E-05	658531.8	4184212.3	13.2	3.49	4.00	3.25
YES		NO						
L0000015	0	0.21280E-05	658540.3	4184212.4	13.2	3.49	4.00	3.25
YES		NO						
L0000016	0	0.21280E-05	658548.9	4184212.6	13.2	3.49	4.00	3.25
YES		NO						
L0000017	0	0.21280E-05	658557.5	4184212.8	13.2	3.49	4.00	3.25
YES		NO						
L0000018	0	0.21280E-05	658566.1	4184213.0	13.2	3.49	4.00	3.25
YES		NO						
L0000019	0	0.21280E-05	658574.7	4184213.1	13.3	3.49	4.00	3.25
YES		NO						
L0000020	0	0.21280E-05	658583.3	4184213.3	13.3	3.49	4.00	3.25
YES		NO						
L0000021	0	0.21280E-05	658591.9	4184213.5	13.3	3.49	4.00	3.25
YES		NO						
L0000022	0	0.21280E-05	658600.5	4184213.7	13.3	3.49	4.00	3.25
YES		NO						
L0000023	0	0.21280E-05	658609.0	4184213.9	13.3	3.49	4.00	3.25
YES		NO						
L0000024	0	0.21280E-05	658617.6	4184214.1	13.3	3.49	4.00	3.25
YES		NO						
L0000025	0	0.21280E-05	658626.2	4184214.4	13.3	3.49	4.00	3.25
YES		NO						
L0000026	0	0.21280E-05	658634.8	4184214.6	13.3	3.49	4.00	3.25
YES		NO						
L0000027	0	0.21280E-05	658643.4	4184214.9	13.3	3.49	4.00	3.25
YES		NO						
L0000028	0	0.21280E-05	658652.0	4184215.1	13.4	3.49	4.00	3.25
YES		NO						
L0000029	0	0.21280E-05	658660.6	4184215.3	13.4	3.49	4.00	3.25
YES		NO						
L0000030	0	0.21280E-05	658669.2	4184215.6	13.4	3.49	4.00	3.25
YES		NO						
L0000031	0	0.21280E-05	658677.7	4184215.8	13.5	3.49	4.00	3.25
YES		NO						
L0000032	0	0.21280E-05	658686.3	4184216.1	13.5	3.49	4.00	3.25
YES		NO						
L0000033	0	0.21280E-05	658694.9	4184216.6	13.6	3.49	4.00	3.25
YES		NO						
L0000034	0	0.21280E-05	658703.5	4184217.1	13.6	3.49	4.00	3.25
YES		NO						
L0000035	0	0.21280E-05	658712.1	4184217.3	13.6	3.49	4.00	3.25
YES		NO						
L0000036	0	0.21280E-05	658720.6	4184217.8	13.6	3.49	4.00	3.25
YES		NO						
L0000037	0	0.21280E-05	658729.2	4184218.8	13.6	3.49	4.00	3.25
YES		NO						
L0000038	0	0.21280E-05	658737.7	4184219.8	13.6	3.49	4.00	3.25
YES		NO						
L0000039	0	0.21280E-05	658746.1	4184221.5	13.5	3.49	4.00	3.25
YES		NO						
L0000040	0	0.21280E-05	658754.5	4184223.2	13.3	3.49	4.00	3.25

YES NO  
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 \*\*\* AERMET - VERSION 21112 \*\*\*  
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\*\*\* MODELOPTs: RegDFault CONC ELEV URBAN ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

SOURCE	SCALAR VARY	NUMBER URBAN PART. VARY CATS.	EMISSION RATE (GRAMS/SEC)	EMISSION RATE AIRCRAFT		BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)
				X (METERS)	Y (METERS)				
L0000041		0	0.57900E-06	658774.4	4184216.3	13.0	3.49	6.51	3.25
YES			NO						
L0000042		0	0.57900E-06	658776.5	4184202.5	13.0	3.49	6.51	3.25
YES			NO						
L0000043		0	0.57900E-06	658777.6	4184188.5	13.0	3.49	6.51	3.25
YES			NO						
L0000044		0	0.57900E-06	658777.6	4184174.5	12.9	3.49	6.51	3.25
YES			NO						
L0000045		0	0.57900E-06	658777.6	4184160.5	12.9	3.49	6.51	3.25
YES			NO						
L0000046		0	0.57900E-06	658777.2	4184146.6	12.9	3.49	6.51	3.25
YES			NO						
L0000047		0	0.57900E-06	658776.1	4184132.6	13.0	3.49	6.51	3.25
YES			NO						
L0000048		0	0.57900E-06	658775.1	4184118.6	13.1	3.49	6.51	3.25
YES			NO						
L0000049		0	0.57900E-06	658774.1	4184104.7	13.0	3.49	6.51	3.25
YES			NO						
L0000050		0	0.57900E-06	658771.3	4184091.0	13.0	3.49	6.51	3.25
YES			NO						
L0000051		0	0.57900E-06	658767.6	4184077.5	13.0	3.49	6.51	3.25
YES			NO						
L0000052		0	0.57900E-06	658764.0	4184064.0	13.0	3.49	6.51	3.25
YES			NO						
L0000053		0	0.57900E-06	658760.4	4184050.4	13.0	3.49	6.51	3.25
YES			NO						
L0000054		0	0.57900E-06	658756.8	4184036.9	13.0	3.49	6.51	3.25
YES			NO						
L0000055		0	0.57900E-06	658752.3	4184023.7	12.9	3.49	6.51	3.25
YES			NO						
L0000056		0	0.57900E-06	658747.6	4184010.5	12.8	3.49	6.51	3.25
YES			NO						
L0000057		0	0.57900E-06	658742.8	4183997.3	12.9	3.49	6.51	3.25
YES			NO						
L0000058		0	0.57900E-06	658736.8	4183984.7	12.9	3.49	6.51	3.25
YES			NO						
L0000059		0	0.57900E-06	658730.8	4183972.0	12.9	3.49	6.51	3.25
YES			NO						
L0000060		0	0.57900E-06	658724.8	4183959.4	12.9	3.49	6.51	3.25
YES			NO						
L0000061		0	0.57900E-06	658717.8	4183947.3	12.9	3.49	6.51	3.25
YES			NO						
L0000062		0	0.57900E-06	658710.0	4183935.7	12.9	3.49	6.51	3.25
YES			NO						
L0000063		0	0.57900E-06	658702.2	4183924.1	12.9	3.49	6.51	3.25

YES		NO						
L0000064	0	0.57900E-06	658694.4	4183912.4	12.9	3.49	6.51	3.25
YES		NO						
L0000065	0	0.57900E-06	658686.6	4183900.8	12.9	3.49	6.51	3.25
YES		NO						
L0000066	0	0.57900E-06	658678.8	4183889.1	13.0	3.49	6.51	3.25
YES		NO						
L0000067	0	0.57900E-06	658671.0	4183877.5	13.2	3.49	6.51	3.25
YES		NO						
L0000068	0	0.57900E-06	658663.3	4183865.9	13.2	3.49	6.51	3.25
YES		NO						
L0000069	0	0.57900E-06	658655.5	4183854.2	13.1	3.49	6.51	3.25
YES		NO						
L0000070	0	0.57900E-06	658647.7	4183842.6	12.9	3.49	6.51	3.25
YES		NO						
L0000071	0	0.57900E-06	658639.9	4183831.0	12.9	3.49	6.51	3.25
YES		NO						
L0000072	0	0.57900E-06	658632.1	4183819.4	13.0	3.49	6.51	3.25
YES		NO						
L0000073	0	0.57900E-06	658624.1	4183807.9	12.9	3.49	6.51	3.25
YES		NO						
L0000074	0	0.57900E-06	658616.0	4183796.4	12.9	3.49	6.51	3.25
YES		NO						
L0000075	0	0.57900E-06	658608.0	4183784.9	12.9	3.49	6.51	3.25
YES		NO						
L0000076	0	0.57900E-06	658600.0	4183773.5	12.8	3.49	6.51	3.25
YES		NO						
L0000077	0	0.57900E-06	658592.0	4183762.0	12.7	3.49	6.51	3.25
YES		NO						
L0000078	0	0.57900E-06	658584.0	4183750.5	12.8	3.49	6.51	3.25
YES		NO						
L0000079	0	0.57900E-06	658575.9	4183739.0	12.6	3.49	6.51	3.25
YES		NO						
L0000080	0	0.57900E-06	658567.9	4183727.6	12.5	3.49	6.51	3.25

**HR** \*\*\* AERMOD - VERSION 23132 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\15639  
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 \*\*\* AERMET - VERSION 21112 \*\*\*  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

SOURCE	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	INIT.
SOURCE	URBAN	EMISSION	AIRCRAFT		ELEV.	HEIGHT	SY	SZ
ID	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	SCALAR VARY	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
	CATS.							
L0000081	0	0.57900E-06	658559.7	4183716.2	12.5	3.49	6.51	3.25
YES		NO						
L0000082	0	0.57900E-06	658551.6	4183704.8	12.2	3.49	6.51	3.25
YES		NO						
L0000083	0	0.57900E-06	658543.4	4183693.5	12.2	3.49	6.51	3.25
YES		NO						
L0000084	0	0.57900E-06	658535.2	4183682.1	12.3	3.49	6.51	3.25
YES		NO						
L0000085	0	0.57900E-06	658527.1	4183670.7	12.1	3.49	6.51	3.25
YES		NO						
L0000086	0	0.57900E-06	658518.9	4183659.3	12.1	3.49	6.51	3.25



YES		NO						
L0000087	0	0.57900E-06	658510.7	4183648.0	12.1	3.49	6.51	3.25
YES		NO						
L0000088	0	0.57900E-06	658502.6	4183636.6	12.1	3.49	6.51	3.25
YES		NO						
L0000089	0	0.57900E-06	658494.4	4183625.2	12.4	3.49	6.51	3.25
YES		NO						
L0000090	0	0.57900E-06	658486.3	4183613.8	12.5	3.49	6.51	3.25
YES		NO						
L0000091	0	0.30730E-06	658475.8	4183597.1	12.6	3.49	6.51	3.25
YES		NO						
L0000092	0	0.30730E-06	658468.0	4183585.5	12.8	3.49	6.51	3.25
YES		NO						
L0000093	0	0.30730E-06	658460.1	4183573.9	13.0	3.49	6.51	3.25
YES		NO						
L0000094	0	0.30730E-06	658452.3	4183562.2	13.1	3.49	6.51	3.25
YES		NO						
L0000095	0	0.30730E-06	658444.5	4183550.6	12.9	3.49	6.51	3.25
YES		NO						
L0000096	0	0.30730E-06	658435.6	4183539.9	12.7	3.49	6.51	3.25
YES		NO						
L0000097	0	0.30730E-06	658425.9	4183529.8	12.6	3.49	6.51	3.25
YES		NO						
L0000098	0	0.30730E-06	658416.2	4183519.7	12.6	3.49	6.51	3.25
YES		NO						
L0000099	0	0.30730E-06	658406.4	4183509.7	12.7	3.49	6.51	3.25
YES		NO						
L0000100	0	0.30730E-06	658394.9	4183501.8	12.7	3.49	6.51	3.25
YES		NO						
L0000101	0	0.30730E-06	658383.1	4183494.3	12.7	3.49	6.51	3.25
YES		NO						
L0000102	0	0.30730E-06	658371.3	4183486.8	12.8	3.49	6.51	3.25
YES		NO						
L0000103	0	0.30730E-06	658359.4	4183479.3	12.9	3.49	6.51	3.25
YES		NO						
L0000104	0	0.30730E-06	658347.5	4183472.1	12.9	3.49	6.51	3.25
YES		NO						
L0000105	0	0.30730E-06	658334.4	4183467.1	12.9	3.49	6.51	3.25
YES		NO						
L0000106	0	0.30730E-06	658321.3	4183462.1	12.9	3.49	6.51	3.25
YES		NO						
L0000107	0	0.30730E-06	658308.0	4183457.8	13.0	3.49	6.51	3.25
YES		NO						
L0000108	0	0.30730E-06	658294.4	4183454.5	13.1	3.49	6.51	3.25
YES		NO						
L0000109	0	0.30730E-06	658280.8	4183451.2	13.2	3.49	6.51	3.25
YES		NO						
L0000110	0	0.30730E-06	658267.1	4183449.1	13.2	3.49	6.51	3.25
YES		NO						
L0000111	0	0.30730E-06	658253.1	4183448.7	13.2	3.49	6.51	3.25
YES		NO						
L0000112	0	0.30730E-06	658239.1	4183448.2	13.2	3.49	6.51	3.25
YES		NO						
L0000113	0	0.30730E-06	658225.1	4183447.8	13.2	3.49	6.51	3.25
YES		NO						
L0000114	0	0.30730E-06	658211.1	4183447.4	13.2	3.49	6.51	3.25
YES		NO						
L0000115	0	0.30730E-06	658197.1	4183447.0	13.2	3.49	6.51	3.25
YES		NO						
L0000116	0	0.30730E-06	658183.1	4183446.6	13.2	3.49	6.51	3.25
YES		NO						
L0000117	0	0.30730E-06	658169.1	4183446.2	13.2	3.49	6.51	3.25
YES		NO						
L0000118	0	0.30730E-06	658155.1	4183445.8	13.1	3.49	6.51	3.25
YES		NO						
L0000119	0	0.30730E-06	658141.1	4183445.4	13.1	3.49	6.51	3.25

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YES                NO
L0000120          0  0.30730E-06  658127.1  4183445.1   13.1    3.49    6.51    3.25
YES                NO
*** AERMOD - VERSION 23132 ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15639
Spreckels\15639 Ops HRA\1 ***   09/20/24
*** AERMET - VERSION 21112 ***
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

SOURCE	SCALAR VARY	NUMBER URBAN PART. CATS.	EMISSION RATE (GRAMS/SEC) BY	AIRCRAFT		BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ
				X	Y				
L0000121		0	0.30730E-06	658113.1	4183444.7	13.0	3.49	6.51	3.25
YES			NO						
L0000122		0	0.30730E-06	658099.1	4183444.3	13.0	3.49	6.51	3.25
YES			NO						
L0000123		0	0.30730E-06	658085.1	4183443.9	13.0	3.49	6.51	3.25
YES			NO						
L0000124		0	0.30730E-06	658071.1	4183443.5	12.9	3.49	6.51	3.25
YES			NO						
L0000125		0	0.30730E-06	658057.1	4183443.1	12.9	3.49	6.51	3.25
YES			NO						
L0000126		0	0.30730E-06	658043.1	4183442.7	12.9	3.49	6.51	3.25
YES			NO						
L0000127		0	0.30730E-06	658029.1	4183442.3	12.9	3.49	6.51	3.25
YES			NO						
L0000128		0	0.30730E-06	658015.2	4183442.0	12.8	3.49	6.51	3.25
YES			NO						
L0000129		0	0.30730E-06	658001.2	4183441.7	12.8	3.49	6.51	3.25
YES			NO						
L0000130		0	0.30730E-06	657987.2	4183442.5	12.7	3.49	6.51	3.25
YES			NO						
L0000131		0	0.30730E-06	657973.2	4183443.4	12.6	3.49	6.51	3.25
YES			NO						
L0000132		0	0.30730E-06	657959.2	4183444.2	12.5	3.49	6.51	3.25
YES			NO						
L0000133		0	0.30730E-06	657945.3	4183445.0	12.4	3.49	6.51	3.25
YES			NO						
L0000134		0	0.30730E-06	657931.3	4183445.9	12.3	3.49	6.51	3.25
YES			NO						
L0000135		0	0.30730E-06	657917.4	4183447.2	12.2	3.49	6.51	3.25
YES			NO						
L0000136		0	0.30730E-06	657903.8	4183450.1	12.0	3.49	6.51	3.25
YES			NO						
L0000137		0	0.30730E-06	657890.9	4183455.7	11.9	3.49	6.51	3.25
YES			NO						
L0000138		0	0.30730E-06	657878.1	4183461.2	11.8	3.49	6.51	3.25
YES			NO						
L0000139		0	0.30730E-06	657865.3	4183466.9	11.8	3.49	6.51	3.25
YES			NO						
L0000140		0	0.30730E-06	657852.6	4183472.8	11.8	3.49	6.51	3.25
YES			NO						
L0000141		0	0.30730E-06	657839.9	4183478.8	11.7	3.49	6.51	3.25
YES			NO						
L0000142		0	0.30730E-06	657827.3	4183484.7	11.7	3.49	6.51	3.25

YES		NO						
L0000143	0	0.30730E-06	657814.6	4183490.6	11.6	3.49	6.51	3.25
YES		NO						
L0000144	0	0.30730E-06	657801.9	4183496.6	11.5	3.49	6.51	3.25
YES		NO						
L0000145	0	0.30730E-06	657789.2	4183502.5	11.5	3.49	6.51	3.25
YES		NO						
L0000146	0	0.30730E-06	657776.5	4183508.5	11.4	3.49	6.51	3.25
YES		NO						
L0000147	0	0.30730E-06	657763.9	4183514.4	11.3	3.49	6.51	3.25
YES		NO						
L0000148	0	0.30730E-06	657751.2	4183520.3	11.2	3.49	6.51	3.25
YES		NO						
L0000149	0	0.30730E-06	657738.5	4183526.3	11.3	3.49	6.51	3.25
YES		NO						
L0000150	0	0.30730E-06	657725.8	4183532.2	11.3	3.49	6.51	3.25
YES		NO						
L0000151	0	0.30730E-06	657713.2	4183538.1	11.3	3.49	6.51	3.25
YES		NO						
L0000152	0	0.30730E-06	657700.5	4183544.1	11.2	3.49	6.51	3.25
YES		NO						
L0000153	0	0.30730E-06	657687.8	4183550.0	11.2	3.49	6.51	3.25
YES		NO						
L0000154	0	0.30730E-06	657675.1	4183556.0	11.4	3.49	6.51	3.25
YES		NO						
L0000155	0	0.30730E-06	657662.6	4183562.2	11.4	3.49	6.51	3.25
YES		NO						
L0000156	0	0.30730E-06	657650.0	4183568.3	11.4	3.49	6.51	3.25
YES		NO						
L0000157	0	0.30730E-06	657637.4	4183574.5	11.4	3.49	6.51	3.25
YES		NO						
L0000158	0	0.30730E-06	657624.8	4183580.6	11.4	3.49	6.51	3.25
YES		NO						
L0000159	0	0.30730E-06	657612.3	4183586.7	11.5	3.49	6.51	3.25
YES		NO						
L0000160	0	0.30730E-06	657599.7	4183592.9	11.6	3.49	6.51	3.25
YES		NO						

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

SOURCE	SCALAR	NUMBER	EMISSION	RATE	AIRCRAFT		BASE	RELEASE	INIT.	INIT.
					X	Y				
SOURCE	PART.	URBAN	EMISSION	RATE	(GRAMS/SEC)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
ID	CATS.	SCALAR	VARY	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0000161	0	0.30730E-06	657587.1	4183599.0	11.5	3.49	6.51	3.25
YES		NO						
L0000162	0	0.30730E-06	657574.5	4183605.2	11.5	3.49	6.51	3.25
YES		NO						
L0000163	0	0.30730E-06	657561.9	4183611.3	11.4	3.49	6.51	3.25
YES		NO						
L0000164	0	0.30730E-06	657549.4	4183617.5	11.5	3.49	6.51	3.25
YES		NO						
L0000165	0	0.30730E-06	657536.8	4183623.6	11.5	3.49	6.51	3.25

YES		NO						
L0000166	0	0.30730E-06	657524.2	4183629.8	11.4	3.49	6.51	3.25
YES		NO						
L0000167	0	0.30730E-06	657511.6	4183635.9	11.3	3.49	6.51	3.25
YES		NO						
L0000168	0	0.30730E-06	657499.0	4183642.1	11.2	3.49	6.51	3.25
YES		NO						
L0000169	0	0.30730E-06	657486.5	4183648.2	11.2	3.49	6.51	3.25
YES		NO						
L0000170	0	0.30730E-06	657473.9	4183654.4	11.1	3.49	6.51	3.25
YES		NO						
L0000171	0	0.30730E-06	657461.3	4183660.5	11.1	3.49	6.51	3.25
YES		NO						
L0000172	0	0.30730E-06	657448.7	4183666.6	11.0	3.49	6.51	3.25
YES		NO						
L0000173	0	0.30730E-06	657436.2	4183672.8	11.0	3.49	6.51	3.25
YES		NO						
L0000174	0	0.30730E-06	657423.6	4183678.9	11.2	3.49	6.51	3.25
YES		NO						
L0000175	0	0.30730E-06	657411.0	4183685.1	11.3	3.49	6.51	3.25
YES		NO						
L0000176	0	0.30730E-06	657398.4	4183691.2	11.3	3.49	6.51	3.25
YES		NO						
L0000177	0	0.30730E-06	657385.8	4183697.4	11.3	3.49	6.51	3.25
YES		NO						
L0000178	0	0.30730E-06	657373.3	4183703.5	11.5	3.49	6.51	3.25
YES		NO						
L0000179	0	0.30730E-06	657360.6	4183709.4	11.5	3.49	6.51	3.25
YES		NO						
L0000180	0	0.30730E-06	657347.8	4183715.1	11.5	3.49	6.51	3.25
YES		NO						
L0000181	0	0.30730E-06	657335.0	4183720.9	11.5	3.49	6.51	3.25
YES		NO						
L0000182	0	0.30730E-06	657322.2	4183726.6	11.5	3.49	6.51	3.25
YES		NO						
L0000183	0	0.30730E-06	657309.5	4183732.5	11.5	3.49	6.51	3.25
YES		NO						
L0000184	0	0.30730E-06	657296.9	4183738.6	11.5	3.49	6.51	3.25
YES		NO						
L0000185	0	0.30730E-06	657283.3	4183741.6	11.4	3.49	6.51	3.25
YES		NO						
L0000186	0	0.30730E-06	657269.6	4183744.6	11.4	3.49	6.51	3.25
YES		NO						
L0000187	0	0.30730E-06	657255.9	4183747.7	11.4	3.49	6.51	3.25
YES		NO						
L0000188	0	0.30730E-06	657242.1	4183749.3	11.4	3.49	6.51	3.25
YES		NO						
L0000189	0	0.30730E-06	657228.1	4183749.3	11.3	3.49	6.51	3.25
YES		NO						
L0000190	0	0.30730E-06	657214.1	4183749.3	11.3	3.49	6.51	3.25
YES		NO						
L0000191	0	0.30730E-06	657200.1	4183749.3	11.3	3.49	6.51	3.25
YES		NO						
L0000192	0	0.30730E-06	657186.1	4183749.3	11.3	3.49	6.51	3.25
YES		NO						
L0000193	0	0.30730E-06	657172.1	4183749.3	11.3	3.49	6.51	3.25
YES		NO						
L0000194	0	0.30730E-06	657158.1	4183749.3	11.3	3.49	6.51	3.25
YES		NO						
L0000195	0	0.30730E-06	657144.1	4183749.3	11.3	3.49	6.51	3.25
YES		NO						
L0000196	0	0.30730E-06	657130.1	4183749.3	11.4	3.49	6.51	3.25
YES		NO						
L0000197	0	0.30730E-06	657116.1	4183749.3	11.4	3.49	6.51	3.25
YES		NO						
L0000198	0	0.30730E-06	657102.1	4183749.3	11.4	3.49	6.51	3.25

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YES          NO
L0000199    0  0.30730E-06  657089.9 4183747.6   11.4   3.49   6.51   3.25
YES          NO
L0000200    0  0.30730E-06  657090.3 4183733.6   11.4   3.49   6.51   3.25
YES          NO
*** AERMOD - VERSION 23132 ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15639
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

SOURCE	SCALAR	NUMBER URBAN PART.	EMISSION EMISSION (GRAMS/SEC)	AIRCRRAFT		BASE ELEV.	RELEASE HEIGHT	INIT. SY	INIT. SZ
				X	Y				
ID	CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
L0000201	0	0.30730E-06	657090.8	4183719.6	11.3	3.49	6.51	3.25	
YES		NO							
L0000202	0	0.30730E-06	657091.3	4183705.6	11.3	3.49	6.51	3.25	
YES		NO							
L0000203	0	0.30730E-06	657091.8	4183691.6	11.2	3.49	6.51	3.25	
YES		NO							
L0000204	0	0.30730E-06	657092.3	4183677.6	11.2	3.49	6.51	3.25	
YES		NO							
L0000205	0	0.30730E-06	657092.8	4183663.6	11.1	3.49	6.51	3.25	
YES		NO							
L0000206	0	0.30730E-06	657093.3	4183649.6	11.0	3.49	6.51	3.25	
YES		NO							
L0000207	0	0.30730E-06	657093.7	4183635.6	11.0	3.49	6.51	3.25	
YES		NO							
L0000208	0	0.30730E-06	657094.2	4183621.6	11.0	3.49	6.51	3.25	
YES		NO							
L0000209	0	0.30730E-06	657094.7	4183607.6	11.0	3.49	6.51	3.25	
YES		NO							
L0000210	0	0.30730E-06	657095.2	4183593.6	11.0	3.49	6.51	3.25	
YES		NO							
L0000211	0	0.30730E-06	657095.7	4183579.7	11.0	3.49	6.51	3.25	
YES		NO							
L0000212	0	0.30730E-06	657096.2	4183565.7	11.0	3.49	6.51	3.25	
YES		NO							
L0000213	0	0.30730E-06	657096.6	4183551.7	11.1	3.49	6.51	3.25	
YES		NO							
L0000214	0	0.30730E-06	657097.1	4183537.7	11.2	3.49	6.51	3.25	
YES		NO							
L0000215	0	0.30730E-06	657097.6	4183523.7	11.4	3.49	6.51	3.25	
YES		NO							
L0000216	0	0.30730E-06	657098.1	4183509.7	11.6	3.49	6.51	3.25	
YES		NO							
L0000217	0	0.30730E-06	657098.6	4183495.7	11.8	3.49	6.51	3.25	
YES		NO							
L0000218	0	0.30730E-06	657099.1	4183481.7	12.0	3.49	6.51	3.25	
YES		NO							
L0000219	0	0.30730E-06	657099.6	4183467.7	12.0	3.49	6.51	3.25	
YES		NO							
L0000220	0	0.30730E-06	657100.0	4183453.7	12.0	3.49	6.51	3.25	
YES		NO							
L0000221	0	0.30730E-06	657100.5	4183439.7	12.0	3.49	6.51	3.25	

YES		NO						
L0000222	0	0.30730E-06	657101.0	4183425.7	12.2	3.49	6.51	3.25
YES		NO						
L0000223	0	0.30730E-06	657101.5	4183411.8	12.5	3.49	6.51	3.25
YES		NO						
L0000224	0	0.30730E-06	657102.0	4183397.8	12.8	3.49	6.51	3.25
YES		NO						
L0000225	0	0.30730E-06	657102.5	4183383.8	13.1	3.49	6.51	3.25
YES		NO						
L0000226	0	0.30730E-06	657102.9	4183369.8	13.4	3.49	6.51	3.25
YES		NO						
L0000227	0	0.30730E-06	657103.4	4183355.8	13.8	3.49	6.51	3.25
YES		NO						
L0000228	0	0.30730E-06	657103.9	4183341.8	14.0	3.49	6.51	3.25
YES		NO						
L0000229	0	0.30730E-06	657104.4	4183327.8	14.2	3.49	6.51	3.25
YES		NO						
L0000230	0	0.30730E-06	657104.9	4183313.8	14.0	3.49	6.51	3.25
YES		NO						
L0000231	0	0.30730E-06	657105.4	4183299.8	13.3	3.49	6.51	3.25
YES		NO						
L0000232	0	0.30730E-06	657105.8	4183285.8	12.7	3.49	6.51	3.25
YES		NO						
L0000233	0	0.30730E-06	657106.3	4183271.8	12.5	3.49	6.51	3.25
YES		NO						
L0000234	0	0.30730E-06	657106.8	4183257.8	12.3	3.49	6.51	3.25
YES		NO						
L0000235	0	0.30730E-06	657107.3	4183243.9	13.1	3.49	6.51	3.25
YES		NO						
L0000236	0	0.30730E-06	657107.8	4183229.9	13.9	3.49	6.51	3.25
YES		NO						
L0000237	0	0.30730E-06	657108.3	4183215.9	14.0	3.49	6.51	3.25
YES		NO						
L0000238	0	0.30730E-06	657108.8	4183201.9	14.0	3.49	6.51	3.25
YES		NO						
L0000239	0	0.30730E-06	657109.2	4183187.9	13.8	3.49	6.51	3.25
YES		NO						
L0000240	0	0.30730E-06	657109.7	4183173.9	13.6	3.49	6.51	3.25
YES		NO						

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

SOURCE	SCALAR	NUMBER	EMISSION	RATE	BASE	RELEASE	INIT.	INIT.
ID	CATS.		(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
(METERS)		BY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0000241	0	0.30730E-06	657110.2	4183159.9	13.4	3.49	6.51	3.25
YES		NO						
L0000242	0	0.30730E-06	657110.7	4183145.9	13.1	3.49	6.51	3.25
YES		NO						
L0000243	0	0.30730E-06	657111.2	4183131.9	12.8	3.49	6.51	3.25
YES		NO						
L0000244	0	0.30730E-06	657111.7	4183117.9	12.4	3.49	6.51	3.25

YES		NO						
L0000245	0	0.30730E-06	657112.1	4183103.9	12.1	3.49	6.51	3.25
YES		NO						
L0000246	0	0.30730E-06	657112.6	4183089.9	11.9	3.49	6.51	3.25
YES		NO						
L0000247	0	0.30730E-06	657113.1	4183076.0	11.8	3.49	6.51	3.25
YES		NO						
L0000248	0	0.30730E-06	657113.6	4183062.0	11.8	3.49	6.51	3.25
YES		NO						
L0000249	0	0.74930E-07	658467.9	4183601.9	12.6	3.49	6.51	3.25
YES		NO						
L0000250	0	0.74930E-07	658456.6	4183610.2	12.5	3.49	6.51	3.25
YES		NO						
L0000251	0	0.74930E-07	658445.3	4183618.4	12.5	3.49	6.51	3.25
YES		NO						
L0000252	0	0.74930E-07	658434.0	4183626.6	12.4	3.49	6.51	3.25
YES		NO						
L0000253	0	0.74930E-07	658422.6	4183634.9	12.2	3.49	6.51	3.25
YES		NO						
L0000254	0	0.74930E-07	658411.3	4183643.1	12.3	3.49	6.51	3.25
YES		NO						
L0000255	0	0.74930E-07	658400.0	4183651.4	12.4	3.49	6.51	3.25
YES		NO						
L0000256	0	0.74930E-07	658388.7	4183659.6	12.5	3.49	6.51	3.25
YES		NO						
L0000257	0	0.74930E-07	658377.4	4183667.9	12.4	3.49	6.51	3.25
YES		NO						
L0000258	0	0.74930E-07	658366.1	4183676.1	12.7	3.49	6.51	3.25
YES		NO						
L0000259	0	0.74930E-07	658354.7	4183684.3	12.8	3.49	6.51	3.25
YES		NO						
L0000260	0	0.74930E-07	658343.4	4183692.6	12.8	3.49	6.51	3.25
YES		NO						
L0000261	0	0.74930E-07	658332.1	4183700.8	12.8	3.49	6.51	3.25
YES		NO						
L0000262	0	0.74930E-07	658320.8	4183709.1	12.8	3.49	6.51	3.25
YES		NO						
L0000263	0	0.74930E-07	658309.5	4183717.3	12.8	3.49	6.51	3.25
YES		NO						
L0000264	0	0.74930E-07	658298.2	4183725.6	12.7	3.49	6.51	3.25
YES		NO						
L0000265	0	0.74930E-07	658286.9	4183733.8	12.6	3.49	6.51	3.25
YES		NO						
L0000266	0	0.74930E-07	658275.5	4183742.0	12.6	3.49	6.51	3.25
YES		NO						
L0000267	0	0.74930E-07	658264.2	4183750.3	12.5	3.49	6.51	3.25
YES		NO						
L0000268	0	0.74930E-07	658252.9	4183758.5	12.4	3.49	6.51	3.25
YES		NO						
L0000269	0	0.74930E-07	658241.6	4183766.8	12.4	3.49	6.51	3.25
YES		NO						
L0000270	0	0.74930E-07	658230.3	4183775.0	12.3	3.49	6.51	3.25
YES		NO						
L0000271	0	0.74930E-07	658219.0	4183783.3	12.2	3.49	6.51	3.25
YES		NO						
L0000272	0	0.74930E-07	658207.6	4183791.5	12.1	3.49	6.51	3.25
YES		NO						
L0000273	0	0.74930E-07	658196.3	4183799.8	12.1	3.49	6.51	3.25
YES		NO						
L0000274	0	0.74930E-07	658185.0	4183808.0	12.0	3.49	6.51	3.25
YES		NO						
L0000275	0	0.74930E-07	658173.7	4183816.2	11.9	3.49	6.51	3.25
YES		NO						
L0000276	0	0.74930E-07	658162.4	4183824.5	11.8	3.49	6.51	3.25
YES		NO						
L0000277	0	0.74930E-07	658151.1	4183832.7	11.7	3.49	6.51	3.25

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YES                NO
L0000278          0  0.74930E-07  658139.8  4183841.0   11.7    3.49    6.51    3.25
YES                NO
L0000279          0  0.74930E-07  658128.5  4183849.2   11.6    3.49    6.51    3.25
YES                NO
L0000280          0  0.74930E-07  658117.1  4183857.5   11.6    3.49    6.51    3.25
YES                NO

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*** AERMOD - VERSION 23132 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15639
Spreckels\15639 Ops HRA\1 ***      09/20/24

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*** AERMET - VERSION 21112 ***
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*** MODELOPTs:  RegDFAULT CONC ELEV URBAN ADJ_U*

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\*\*\* VOLUME SOURCE DATA \*\*\*

SOURCE	NUMBER	EMISSION RATE	AIRCREFT		BASE	RELEASE	INIT.	INIT.
			X	Y				
SOURCE	URBAN	EMISSION RATE	(GRAMS/SEC)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
SCALAR VARY	PART.	BY						
ID	CATS.							
(METERS)								
L0000281	0	0.74930E-07	658105.8	4183865.7	11.5	3.49	6.51	3.25
YES		NO						
L0000282	0	0.74930E-07	658094.5	4183874.0	11.5	3.49	6.51	3.25
YES		NO						
L0000283	0	0.74930E-07	658083.2	4183882.2	11.5	3.49	6.51	3.25
YES		NO						
L0000284	0	0.74930E-07	658071.9	4183890.5	11.4	3.49	6.51	3.25
YES		NO						
L0000285	0	0.74930E-07	658060.6	4183898.7	11.4	3.49	6.51	3.25
YES		NO						
L0000286	0	0.74930E-07	658049.2	4183906.9	11.4	3.49	6.51	3.25
YES		NO						
L0000287	0	0.74930E-07	658037.9	4183915.1	11.4	3.49	6.51	3.25
YES		NO						
L0000288	0	0.74930E-07	658026.5	4183923.3	11.4	3.49	6.51	3.25
YES		NO						
L0000289	0	0.74930E-07	658015.1	4183931.4	11.4	3.49	6.51	3.25
YES		NO						
L0000290	0	0.74930E-07	658003.8	4183939.6	11.4	3.49	6.51	3.25
YES		NO						
L0000291	0	0.74930E-07	657992.4	4183947.8	11.4	3.49	6.51	3.25
YES		NO						
L0000292	0	0.74930E-07	657981.0	4183956.0	11.4	3.49	6.51	3.25
YES		NO						
L0000293	0	0.74930E-07	657969.7	4183964.1	11.4	3.49	6.51	3.25
YES		NO						
L0000294	0	0.74930E-07	657958.3	4183972.3	11.4	3.49	6.51	3.25
YES		NO						
L0000295	0	0.74930E-07	657947.8	4183981.6	11.5	3.49	6.51	3.25
YES		NO						
L0000296	0	0.74930E-07	657937.4	4183990.9	11.5	3.49	6.51	3.25
YES		NO						
L0000297	0	0.74930E-07	657926.9	4184000.2	11.5	3.49	6.51	3.25
YES		NO						
L0000298	0	0.74930E-07	657916.8	4184009.9	11.5	3.49	6.51	3.25
YES		NO						
L0000299	0	0.74930E-07	657907.8	4184020.6	11.5	3.49	6.51	3.25
YES		NO						
L0000300	0	0.74930E-07	657898.8	4184031.3	11.5	3.49	6.51	3.25



YES		NO						
L0000301	0	0.74930E-07	657889.8	4184042.0	11.5	3.49	6.51	3.25
YES		NO						
L0000302	0	0.74930E-07	657880.2	4184052.3	11.5	3.49	6.51	3.25
YES		NO						
L0000303	0	0.74930E-07	657870.7	4184062.5	11.5	3.49	6.51	3.25
YES		NO						
L0000304	0	0.74930E-07	657861.1	4184072.7	11.5	3.49	6.51	3.25
YES		NO						
L0000305	0	0.74930E-07	657850.3	4184081.5	11.5	3.49	6.51	3.25
YES		NO						
L0000306	0	0.74930E-07	657839.2	4184090.0	11.4	3.49	6.51	3.25
YES		NO						
L0000307	0	0.74930E-07	657828.0	4184098.5	11.5	3.49	6.51	3.25
YES		NO						
L0000308	0	0.74930E-07	657816.9	4184107.0	11.5	3.49	6.51	3.25
YES		NO						
L0000309	0	0.74930E-07	657805.7	4184115.3	11.4	3.49	6.51	3.25
YES		NO						
L0000310	0	0.74930E-07	657794.2	4184123.4	11.4	3.49	6.51	3.25
YES		NO						
L0000311	0	0.74930E-07	657782.7	4184131.4	11.5	3.49	6.51	3.25
YES		NO						
L0000312	0	0.74930E-07	657771.2	4184139.4	11.5	3.49	6.51	3.25
YES		NO						
L0000313	0	0.74930E-07	657759.8	4184147.4	11.4	3.49	6.51	3.25
YES		NO						
L0000314	0	0.74930E-07	657748.3	4184155.5	11.5	3.49	6.51	3.25
YES		NO						
L0000315	0	0.74930E-07	657736.8	4184163.5	11.6	3.49	6.51	3.25
YES		NO						
L0000316	0	0.74930E-07	657725.3	4184171.5	11.5	3.49	6.51	3.25
YES		NO						
L0000317	0	0.74930E-07	657713.9	4184179.5	11.5	3.49	6.51	3.25
YES		NO						
L0000318	0	0.74930E-07	657702.4	4184187.6	11.6	3.49	6.51	3.25
YES		NO						
L0000319	0	0.74930E-07	657690.9	4184195.6	11.8	3.49	6.51	3.25
YES		NO						
L0000320	0	0.74930E-07	657679.5	4184203.6	11.8	3.49	6.51	3.25
YES		NO						

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\*\*\* MODELOPTs:      RegDFAULT    CONC    ELEV    URBAN    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

SOURCE	SCALAR	NUMBER	EMISSION	RATE	AIRCRAFT		BASE	RELEASE	INIT.	INIT.
					X	Y				
ID	CATS.	URBAN	EMISSION	(GRAMS/SEC)	(METERS)	(METERS)	ELEV.	HEIGHT	SY	SZ
(METERS)	VARY		BY				(METERS)	(METERS)	(METERS)	

L0000321	0	0.74930E-07	657668.0	4184211.6	11.8	3.49	6.51	3.25
YES		NO						
L0000322	0	0.74930E-07	657656.5	4184219.7	11.8	3.49	6.51	3.25
YES		NO						
L0000323	0	0.74930E-07	657645.0	4184227.7	11.8	3.49	6.51	3.25

YES		NO						
L0000324	0	0.74930E-07	657633.6	4184235.7	11.8	3.49	6.51	3.25
YES		NO						
L0000325	0	0.74930E-07	657622.1	4184243.7	11.8	3.49	6.51	3.25
YES		NO						
L0000326	0	0.74930E-07	657610.6	4184251.8	11.9	3.49	6.51	3.25
YES		NO						
L0000327	0	0.74930E-07	657599.2	4184259.8	11.9	3.49	6.51	3.25
YES		NO						
L0000328	0	0.74930E-07	657587.7	4184267.9	11.9	3.49	6.51	3.25
YES		NO						
L0000329	0	0.74930E-07	657576.3	4184276.0	11.9	3.49	6.51	3.25
YES		NO						
L0000330	0	0.74930E-07	657564.9	4184284.1	11.9	3.49	6.51	3.25
YES		NO						
L0000331	0	0.74930E-07	657553.5	4184292.2	11.9	3.49	6.51	3.25
YES		NO						
L0000332	0	0.74930E-07	657542.1	4184300.3	11.9	3.49	6.51	3.25
YES		NO						
L0000333	0	0.74930E-07	657530.6	4184308.4	11.9	3.49	6.51	3.25
YES		NO						
L0000334	0	0.74930E-07	657519.2	4184316.5	11.9	3.49	6.51	3.25
YES		NO						
L0000335	0	0.74930E-07	657507.8	4184324.6	11.9	3.49	6.51	3.25
YES		NO						
L0000336	0	0.74930E-07	657496.4	4184332.7	11.9	3.49	6.51	3.25
YES		NO						
L0000337	0	0.74930E-07	657485.0	4184340.8	11.9	3.49	6.51	3.25
YES		NO						
L0000338	0	0.74930E-07	657473.6	4184348.9	11.9	3.49	6.51	3.25
YES		NO						
L0000339	0	0.74930E-07	657462.2	4184357.0	11.9	3.49	6.51	3.25
YES		NO						
L0000340	0	0.74930E-07	657450.7	4184365.1	11.9	3.49	6.51	3.25
YES		NO						
L0000341	0	0.74930E-07	657439.3	4184373.2	11.9	3.49	6.51	3.25
YES		NO						
L0000342	0	0.74930E-07	657427.9	4184381.3	11.9	3.49	6.51	3.25
YES		NO						
L0000343	0	0.74930E-07	657416.5	4184389.4	11.9	3.49	6.51	3.25
YES		NO						
L0000344	0	0.74930E-07	657405.1	4184397.5	11.9	3.49	6.51	3.25
YES		NO						
L0000345	0	0.74930E-07	657393.7	4184405.6	11.9	3.49	6.51	3.25
YES		NO						
L0000346	0	0.74930E-07	657382.2	4184413.7	11.8	3.49	6.51	3.25
YES		NO						
L0000347	0	0.74930E-07	657370.8	4184421.9	11.8	3.49	6.51	3.25
YES		NO						
L0000348	0	0.74930E-07	657359.4	4184430.0	11.8	3.49	6.51	3.25
YES		NO						
L0000349	0	0.74930E-07	657348.0	4184438.1	11.8	3.49	6.51	3.25
YES		NO						
L0000350	0	0.74930E-07	657336.6	4184446.2	11.7	3.49	6.51	3.25
YES		NO						
L0000351	0	0.74930E-07	657325.2	4184454.3	11.7	3.49	6.51	3.25
YES		NO						
L0000352	0	0.74930E-07	657313.8	4184462.4	11.7	3.49	6.51	3.25
YES		NO						
L0000353	0	0.74930E-07	657302.5	4184470.7	11.6	3.49	6.51	3.25
YES		NO						
L0000354	0	0.74930E-07	657291.2	4184478.9	11.6	3.49	6.51	3.25
YES		NO						
L0000355	0	0.74930E-07	657279.9	4184487.2	11.6	3.49	6.51	3.25
YES		NO						
L0000356	0	0.74930E-07	657268.6	4184495.5	11.5	3.49	6.51	3.25

YES		NO						
L0000357	0	0.74930E-07	657257.3	4184503.7	11.5	3.49	6.51	3.25
YES		NO						
L0000358	0	0.74930E-07	657246.0	4184512.0	11.4	3.49	6.51	3.25
YES		NO						
L0000359	0	0.74930E-07	657234.7	4184520.2	11.4	3.49	6.51	3.25
YES		NO						
L0000360	0	0.74930E-07	657223.4	4184528.5	11.3	3.49	6.51	3.25
YES		NO						

\*\*\* AERMOD - VERSION 23132 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\15639  
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\*\*\* MODELOPTs:      RegDFAULT    CONC    ELEV    URBAN    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

SOURCE	SOURCE	ID	NUMBER	EMISSION	RATE	AIRCRAFT		BASE	RELEASE	INIT.	INIT.
						X	Y				
SCALAR	VARY		PART.	(GRAMS/SEC)		(METERS)	(METERS)	ELEV.	HEIGHT	SY	SZ
		(METERS)	CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	
L0000361			0	0.74930E-07	657212.1	4184536.8		11.3	3.49	6.51	3.25
YES				NO							
L0000362			0	0.74930E-07	657200.7	4184545.0		11.2	3.49	6.51	3.25
YES				NO							
L0000363			0	0.74930E-07	657189.4	4184553.3		11.2	3.49	6.51	3.25
YES				NO							
L0000364			0	0.74930E-07	657178.1	4184561.5		11.2	3.49	6.51	3.25
YES				NO							
L0000365			0	0.74930E-07	657166.8	4184569.8		11.2	3.49	6.51	3.25
YES				NO							
L0000366			0	0.74930E-07	657155.5	4184578.1		11.2	3.49	6.51	3.25
YES				NO							
L0000367			0	0.74930E-07	657144.2	4184586.3		11.2	3.49	6.51	3.25
YES				NO							
L0000368			0	0.74930E-07	657132.9	4184594.6		11.2	3.49	6.51	3.25
YES				NO							
L0000369			0	0.74930E-07	657121.6	4184602.8		11.2	3.49	6.51	3.25
YES				NO							
L0000370			0	0.74930E-07	657110.1	4184610.9		11.2	3.49	6.51	3.25
YES				NO							
L0000371			0	0.74930E-07	657098.7	4184618.9		11.1	3.49	6.51	3.25
YES				NO							
L0000372			0	0.74930E-07	657087.2	4184626.9		11.1	3.49	6.51	3.25
YES				NO							
L0000373			0	0.74930E-07	657074.4	4184632.5		11.0	3.49	6.51	3.25
YES				NO							
L0000374			0	0.74930E-07	657061.6	4184638.2		11.0	3.49	6.51	3.25
YES				NO							
L0000375			0	0.19370E-06	658485.0	4183591.0		12.6	3.49	6.51	3.25
YES				NO							
L0000376			0	0.19370E-06	658496.4	4183582.9		12.7	3.49	6.51	3.25
YES				NO							
L0000377			0	0.19370E-06	658507.9	4183574.9		12.8	3.49	6.51	3.25
YES				NO							
L0000378			0	0.19370E-06	658519.3	4183566.8		12.8	3.49	6.51	3.25
YES				NO							
L0000379			0	0.19370E-06	658530.7	4183558.7		12.9	3.49	6.51	3.25

YES		NO						
L0000380	0	0.19370E-06	658542.2	4183550.6	12.9	3.49	6.51	3.25
YES		NO						
L0000381	0	0.19370E-06	658553.6	4183542.5	12.9	3.49	6.51	3.25
YES		NO						
L0000382	0	0.19370E-06	658565.0	4183534.5	13.0	3.49	6.51	3.25
YES		NO						
L0000383	0	0.19370E-06	658576.5	4183526.4	13.0	3.49	6.51	3.25
YES		NO						
L0000384	0	0.19370E-06	658587.9	4183518.3	13.1	3.49	6.51	3.25
YES		NO						
L0000385	0	0.19370E-06	658599.3	4183510.2	13.1	3.49	6.51	3.25
YES		NO						
L0000386	0	0.19370E-06	658610.8	4183502.1	13.2	3.49	6.51	3.25
YES		NO						
L0000387	0	0.19370E-06	658622.2	4183494.0	13.2	3.49	6.51	3.25
YES		NO						
L0000388	0	0.19370E-06	658633.5	4183485.8	13.3	3.49	6.51	3.25
YES		NO						
L0000389	0	0.19370E-06	658644.9	4183477.6	13.4	3.49	6.51	3.25
YES		NO						
L0000390	0	0.19370E-06	658656.2	4183469.5	13.5	3.49	6.51	3.25
YES		NO						
L0000391	0	0.19370E-06	658667.6	4183461.3	13.5	3.49	6.51	3.25
YES		NO						
L0000392	0	0.19370E-06	658679.0	4183453.1	13.5	3.49	6.51	3.25
YES		NO						
L0000393	0	0.19370E-06	658690.3	4183444.9	13.6	3.49	6.51	3.25
YES		NO						
L0000394	0	0.19370E-06	658701.7	4183436.7	13.6	3.49	6.51	3.25
YES		NO						
L0000395	0	0.19370E-06	658713.0	4183428.5	13.6	3.49	6.51	3.25
YES		NO						
L0000396	0	0.19370E-06	658724.4	4183420.4	13.6	3.49	6.51	3.25
YES		NO						
L0000397	0	0.19370E-06	658735.7	4183412.1	13.8	3.49	6.51	3.25
YES		NO						
L0000398	0	0.19370E-06	658746.9	4183403.7	13.7	3.49	6.51	3.25
YES		NO						
L0000399	0	0.19370E-06	658758.1	4183395.3	13.7	3.49	6.51	3.25
YES		NO						
L0000400	0	0.19370E-06	658768.8	4183386.3	13.8	3.49	6.51	3.25
YES		NO						

\*\*\* AERMOD - VERSION 23132 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\15639 Spreckels\15639 Ops HRA\1 \*\*\*      09/20/24

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\*\*\* MODELOPTs:      RegDFAULT    CONC    ELEV    URBAN    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

SOURCE	SCALAR VARY	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	EMISSION RATE		AIRCRAFT		BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ
				URBAN	BY	X	Y				

L0000401	0	0.19370E-06	658779.5	4183377.2	13.7	3.49	6.51	3.25
YES		NO						
L0000402	0	0.19370E-06	658790.1	4183368.1	13.6	3.49	6.51	3.25

YES		NO						
L0000403	0	0.19370E-06	658800.7	4183359.0	13.7	3.49	6.51	3.25
YES		NO						
L0000404	0	0.19370E-06	658811.3	4183349.9	13.8	3.49	6.51	3.25
YES		NO						
L0000405	0	0.19370E-06	658822.3	4183341.1	13.7	3.49	6.51	3.25
YES		NO						
L0000406	0	0.19370E-06	658833.3	4183332.6	13.8	3.49	6.51	3.25
YES		NO						
L0000407	0	0.19370E-06	658844.4	4183324.0	13.9	3.49	6.51	3.25
YES		NO						
L0000408	0	0.19370E-06	658855.5	4183315.4	14.0	3.49	6.51	3.25
YES		NO						
L0000409	0	0.19370E-06	658866.6	4183306.9	14.0	3.49	6.51	3.25
YES		NO						
L0000410	0	0.19370E-06	658877.6	4183298.3	14.0	3.49	6.51	3.25
YES		NO						
L0000411	0	0.19370E-06	658888.7	4183289.7	14.5	3.49	6.51	3.25
YES		NO						
L0000412	0	0.19370E-06	658899.8	4183281.2	15.2	3.49	6.51	3.25
YES		NO						
L0000413	0	0.19370E-06	658910.9	4183272.6	15.2	3.49	6.51	3.25
YES		NO						
L0000414	0	0.19370E-06	658922.0	4183264.1	15.2	3.49	6.51	3.25
YES		NO						
L0000415	0	0.19370E-06	658933.0	4183255.5	15.5	3.49	6.51	3.25
YES		NO						
L0000416	0	0.19370E-06	658944.1	4183246.9	15.4	3.49	6.51	3.25
YES		NO						
L0000417	0	0.19370E-06	658955.2	4183238.4	14.8	3.49	6.51	3.25
YES		NO						
L0000418	0	0.19370E-06	658966.3	4183229.8	14.1	3.49	6.51	3.25
YES		NO						
L0000419	0	0.19370E-06	658977.6	4183221.5	14.1	3.49	6.51	3.25
YES		NO						
L0000420	0	0.19370E-06	658989.0	4183213.5	14.1	3.49	6.51	3.25
YES		NO						
L0000421	0	0.19370E-06	659000.5	4183205.5	14.1	3.49	6.51	3.25
YES		NO						
L0000422	0	0.19370E-06	659012.0	4183197.4	14.1	3.49	6.51	3.25
YES		NO						
L0000423	0	0.19370E-06	659023.4	4183189.4	14.1	3.49	6.51	3.25
YES		NO						
L0000424	0	0.19370E-06	659034.9	4183181.4	14.2	3.49	6.51	3.25
YES		NO						
L0000425	0	0.19370E-06	659046.4	4183173.3	14.2	3.49	6.51	3.25
YES		NO						
L0000426	0	0.19370E-06	659057.8	4183165.3	14.1	3.49	6.51	3.25
YES		NO						
L0000427	0	0.19370E-06	659069.3	4183157.3	14.2	3.49	6.51	3.25
YES		NO						
L0000428	0	0.19370E-06	659080.7	4183149.2	14.2	3.49	6.51	3.25
YES		NO						
L0000429	0	0.19370E-06	659092.2	4183141.2	14.2	3.49	6.51	3.25
YES		NO						
L0000430	0	0.19370E-06	659103.7	4183133.2	14.2	3.49	6.51	3.25
YES		NO						
L0000431	0	0.19370E-06	659115.1	4183125.1	14.2	3.49	6.51	3.25
YES		NO						
L0000432	0	0.19370E-06	659126.6	4183117.1	14.3	3.49	6.51	3.25
YES		NO						
L0000433	0	0.19370E-06	659138.1	4183109.1	14.3	3.49	6.51	3.25
YES		NO						
L0000434	0	0.19370E-06	659149.5	4183101.0	14.3	3.49	6.51	3.25
YES		NO						
L0000435	0	0.19370E-06	659161.0	4183093.0	14.3	3.49	6.51	3.25

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YES          NO
L0000436    0  0.19370E-06  659172.5  4183085.0   14.3   3.49   6.51   3.25
YES          NO
L0000437    0  0.19370E-06  659183.9  4183076.9   14.4   3.49   6.51   3.25
YES          NO
L0000438    0  0.19370E-06  659195.4  4183068.9   14.4   3.49   6.51   3.25
YES          NO
L0000439    0  0.19370E-06  659206.9  4183060.9   14.4   3.49   6.51   3.25
YES          NO
L0000440    0  0.19370E-06  659218.3  4183052.8   14.4   3.49   6.51   3.25
YES          NO
*** AERMOD - VERSION 23132 ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15639
Spreckels\15639 Ops HRA\1 ***   09/20/24
*** AERMET - VERSION 21112 ***
***                                     ***   11:04:36

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

SOURCE	NUMBER URBAN	EMISSION RATE (GRAMS/SEC)	EMISSION RATE (GRAMS/SEC)	AIRCRAFT X	AIRCRAFT Y	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ
SOURCE ID (METERS)	SCALAR VARY CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	
L0000441	0	0.19370E-06	659229.8	4183044.8		14.4	3.49	6.51	3.25
YES		NO							
L0000442	0	0.19370E-06	659241.2	4183036.7		14.4	3.49	6.51	3.25
YES		NO							
L0000443	0	0.19370E-06	659252.6	4183028.6		14.4	3.49	6.51	3.25
YES		NO							
L0000444	0	0.19370E-06	659264.0	4183020.4		14.5	3.49	6.51	3.25
YES		NO							
L0000445	0	0.19370E-06	659275.4	4183012.3		14.5	3.49	6.51	3.25
YES		NO							
L0000446	0	0.19370E-06	659286.8	4183004.2		14.5	3.49	6.51	3.25
YES		NO							
L0000447	0	0.19370E-06	659298.2	4182996.1		14.6	3.49	6.51	3.25
YES		NO							
L0000448	0	0.19370E-06	659309.6	4182987.9		14.6	3.49	6.51	3.25
YES		NO							
L0000449	0	0.19370E-06	659321.0	4182979.8		14.5	3.49	6.51	3.25
YES		NO							
L0000450	0	0.19370E-06	659332.4	4182971.7		14.6	3.49	6.51	3.25
YES		NO							
L0000451	0	0.19370E-06	659343.8	4182963.5		14.7	3.49	6.51	3.25
YES		NO							
L0000452	0	0.19370E-06	659355.2	4182955.4		14.7	3.49	6.51	3.25
YES		NO							
L0000453	0	0.19370E-06	659366.6	4182947.3		14.8	3.49	6.51	3.25
YES		NO							
L0000454	0	0.19370E-06	659378.0	4182939.2		14.9	3.49	6.51	3.25
YES		NO							
L0000455	0	0.19370E-06	659389.4	4182931.0		15.1	3.49	6.51	3.25
YES		NO							
L0000456	0	0.19370E-06	659400.8	4182922.9		15.1	3.49	6.51	3.25
YES		NO							
L0000457	0	0.19370E-06	659412.2	4182914.8		15.1	3.49	6.51	3.25
YES		NO							
L0000458	0	0.19370E-06	659423.6	4182906.7		15.2	3.49	6.51	3.25

YES		NO						
L0000459	0	0.19370E-06	659435.0	4182898.5	15.4	3.49	6.51	3.25
YES		NO						
L0000460	0	0.19370E-06	659446.4	4182890.4	15.4	3.49	6.51	3.25
YES		NO						
L0000461	0	0.19370E-06	659457.8	4182882.3	15.5	3.49	6.51	3.25
YES		NO						
L0000462	0	0.19370E-06	659469.2	4182874.1	15.7	3.49	6.51	3.25
YES		NO						
L0000463	0	0.19370E-06	659480.6	4182866.0	15.6	3.49	6.51	3.25
YES		NO						
L0000464	0	0.19370E-06	659492.0	4182857.9	15.5	3.49	6.51	3.25
YES		NO						
L0000465	0	0.19370E-06	659503.4	4182849.8	15.6	3.49	6.51	3.25
YES		NO						
L0000466	0	0.19370E-06	659514.8	4182841.6	15.5	3.49	6.51	3.25
YES		NO						
L0000467	0	0.19370E-06	659526.2	4182833.5	15.3	3.49	6.51	3.25
YES		NO						
L0000468	0	0.19370E-06	659537.6	4182825.4	14.9	3.49	6.51	3.25
YES		NO						
L0000469	0	0.19370E-06	659549.0	4182817.3	14.8	3.49	6.51	3.25
YES		NO						
L0000470	0	0.19370E-06	659560.4	4182809.1	14.7	3.49	6.51	3.25
YES		NO						
L0000471	0	0.19370E-06	659571.8	4182801.0	14.6	3.49	6.51	3.25
YES		NO						
L0000472	0	0.19370E-06	659583.2	4182792.9	14.6	3.49	6.51	3.25
YES		NO						
L0000473	0	0.19370E-06	659594.6	4182784.7	14.7	3.49	6.51	3.25
YES		NO						
L0000474	0	0.19370E-06	659606.0	4182776.6	14.7	3.49	6.51	3.25
YES		NO						
L0000475	0	0.19370E-06	659617.4	4182768.5	14.6	3.49	6.51	3.25
YES		NO						
L0000476	0	0.19370E-06	659628.8	4182760.4	14.6	3.49	6.51	3.25
YES		NO						
L0000477	0	0.19370E-06	659640.2	4182752.2	14.3	3.49	6.51	3.25
YES		NO						
L0000478	0	0.19370E-06	659651.6	4182744.1	14.1	3.49	6.51	3.25
YES		NO						
L0000479	0	0.19370E-06	659663.0	4182736.0	14.1	3.49	6.51	3.25
YES		NO						
L0000480	0	0.19370E-06	659674.4	4182727.8	14.1	3.49	6.51	3.25
YES		NO						

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*** AERMOD - VERSION 23132 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15639
Spreckels\15639 Ops HRA\1 ***      09/20/24
*** AERMET - VERSION 21112 ***
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\*\*\* MODELOPTs: RegDFault CONC ELEV URBAN ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

SOURCE	SCALAR VARY	NUMBER	EMISSION RATE	AIRCRAFT		BASE	RELEASE	INIT.	INIT.
				URBAN	EMISSION RATE				
ID	CATS.		(GRAMS/SEC)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0000481	0	0.19370E-06	659685.8	4182719.7	14.1	3.49	6.51	3.25
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YES		NO						
L0000482	0	0.19370E-06	659697.2	4182711.6	14.0	3.49	6.51	3.25
YES		NO						
L0000483	0	0.19370E-06	659708.6	4182703.5	14.0	3.49	6.51	3.25
YES		NO						
L0000484	0	0.19370E-06	659720.0	4182695.3	14.0	3.49	6.51	3.25
YES		NO						
L0000485	0	0.19370E-06	659731.4	4182687.2	14.0	3.49	6.51	3.25
YES		NO						
L0000486	0	0.19370E-06	659742.8	4182679.1	13.9	3.49	6.51	3.25
YES		NO						
L0000487	0	0.19370E-06	659754.2	4182671.0	13.9	3.49	6.51	3.25
YES		NO						
L0000488	0	0.19370E-06	659765.6	4182662.8	13.9	3.49	6.51	3.25
YES		NO						
L0000489	0	0.19370E-06	659777.0	4182654.7	13.9	3.49	6.51	3.25
YES		NO						
L0000490	0	0.19370E-06	659788.4	4182646.6	13.9	3.49	6.51	3.25
YES		NO						
L0000491	0	0.19370E-06	659799.8	4182638.4	13.9	3.49	6.51	3.25
YES		NO						
L0000492	0	0.19370E-06	659811.2	4182630.3	14.0	3.49	6.51	3.25
YES		NO						
L0000493	0	0.19370E-06	659822.6	4182622.2	13.9	3.49	6.51	3.25
YES		NO						
L0000494	0	0.19370E-06	659834.0	4182614.1	13.9	3.49	6.51	3.25
YES		NO						
L0000495	0	0.19370E-06	659845.4	4182605.9	13.9	3.49	6.51	3.25
YES		NO						
L0000496	0	0.19370E-06	659856.8	4182597.8	13.9	3.49	6.51	3.25
YES		NO						
L0000497	0	0.19370E-06	659868.2	4182589.7	13.9	3.49	6.51	3.25
YES		NO						
L0000498	0	0.19370E-06	659879.6	4182581.5	13.9	3.49	6.51	3.25
YES		NO						
L0000499	0	0.19370E-06	659891.0	4182573.4	13.9	3.49	6.51	3.25
YES		NO						
L0000500	0	0.19370E-06	659902.4	4182565.3	13.9	3.49	6.51	3.25
YES		NO						
L0000501	0	0.19370E-06	659913.8	4182557.2	13.9	3.49	6.51	3.25
YES		NO						
L0000502	0	0.19370E-06	659925.2	4182549.0	13.9	3.49	6.51	3.25
YES		NO						
L0000503	0	0.19370E-06	659936.6	4182540.9	13.9	3.49	6.51	3.25
YES		NO						
L0000504	0	0.19370E-06	659948.0	4182532.8	13.9	3.49	6.51	3.25
YES		NO						
L0000505	0	0.19370E-06	659959.4	4182524.7	13.9	3.49	6.51	3.25
YES		NO						
L0000506	0	0.19370E-06	659970.8	4182516.5	14.0	3.49	6.51	3.25
YES		NO						
L0000507	0	0.19370E-06	659982.2	4182508.4	14.1	3.49	6.51	3.25
YES		NO						
L0000508	0	0.19370E-06	659993.6	4182500.3	14.2	3.49	6.51	3.25
YES		NO						
L0000509	0	0.19370E-06	660005.0	4182492.1	14.2	3.49	6.51	3.25
YES		NO						
L0000510	0	0.19370E-06	660016.4	4182484.0	14.2	3.49	6.51	3.25
YES		NO						
L0000511	0	0.19370E-06	660027.8	4182475.9	14.1	3.49	6.51	3.25
YES		NO						
L0000512	0	0.19370E-06	660039.2	4182467.8	14.1	3.49	6.51	3.25
YES		NO						
L0000513	0	0.19370E-06	660050.6	4182459.6	14.1	3.49	6.51	3.25
YES		NO						
L0000514	0	0.19370E-06	660062.0	4182451.5	14.1	3.49	6.51	3.25



YES		NO						
L0000515	0	0.19370E-06	660073.4	4182443.4	14.2	3.49	6.51	3.25
YES		NO						
L0000516	0	0.19370E-06	660084.8	4182435.3	14.2	3.49	6.51	3.25
YES		NO						
L0000517	0	0.19370E-06	660096.2	4182427.1	14.2	3.49	6.51	3.25
YES		NO						
L0000518	0	0.19370E-06	660107.6	4182419.0	14.2	3.49	6.51	3.25
YES		NO						
L0000519	0	0.19370E-06	660119.0	4182410.9	14.3	3.49	6.51	3.25
YES		NO						
L0000520	0	0.19370E-06	660130.4	4182402.7	14.3	3.49	6.51	3.25
YES		NO						

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*** AERMOD - VERSION 23132 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15639
Spreckels\15639 Ops HRA\1 ***      09/20/24
*** AERMET - VERSION 21112 ***
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

SOURCE	SCALAR	NUMBER URBAN PART.	EMISSION EMISSION RATE (GRAMS/SEC)	AIRCRAFT		BASE ELEV.	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ
				X	Y				
ID (METERS)	VARY CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	
L0000521	0	0.19370E-06	660141.8	4182394.6	14.3	3.49	6.51	3.25	
YES		NO							
L0000522	0	0.19370E-06	660153.1	4182386.5	14.3	3.49	6.51	3.25	
YES		NO							
L0000523	0	0.19370E-06	660164.5	4182378.4	14.3	3.49	6.51	3.25	
YES		NO							
L0000524	0	0.19370E-06	660175.9	4182370.2	14.3	3.49	6.51	3.25	
YES		NO							
L0000525	0	0.19370E-06	660187.3	4182362.1	14.2	3.49	6.51	3.25	
YES		NO							
L0000526	0	0.19370E-06	660198.7	4182354.0	14.2	3.49	6.51	3.25	
YES		NO							
L0000527	0	0.19370E-06	660210.1	4182345.8	14.1	3.49	6.51	3.25	
YES		NO							
L0000528	0	0.19370E-06	660221.5	4182337.7	14.2	3.49	6.51	3.25	
YES		NO							
L0000529	0	0.19370E-06	660232.9	4182329.6	14.3	3.49	6.51	3.25	
YES		NO							
L0000530	0	0.19370E-06	660244.3	4182321.5	14.3	3.49	6.51	3.25	
YES		NO							
L0000531	0	0.19370E-06	660255.7	4182313.3	14.2	3.49	6.51	3.25	
YES		NO							
L0000532	0	0.19370E-06	660267.1	4182305.2	14.1	3.49	6.51	3.25	
YES		NO							
L0000533	0	0.19370E-06	660278.5	4182297.1	14.1	3.49	6.51	3.25	
YES		NO							
L0000534	0	0.19370E-06	660289.9	4182289.0	14.0	3.49	6.51	3.25	
YES		NO							
L0000535	0	0.19370E-06	660301.3	4182280.8	14.1	3.49	6.51	3.25	
YES		NO							
L0000536	0	0.19370E-06	660312.7	4182272.7	14.4	3.49	6.51	3.25	
YES		NO							
L0000537	0	0.19370E-06	660324.1	4182264.6	14.4	3.49	6.51	3.25	

YES		NO						
L0000538	0	0.19370E-06	660335.5	4182256.4	15.0	3.49	6.51	3.25
YES		NO						
L0000539	0	0.19370E-06	660346.9	4182248.3	15.5	3.49	6.51	3.25
YES		NO						
L0000540	0	0.19370E-06	660349.6	4182256.6	15.7	3.49	6.51	3.25
YES		NO						
L0000541	0	0.19370E-06	660349.3	4182270.6	15.8	3.49	6.51	3.25
YES		NO						
L0000542	0	0.19370E-06	660348.9	4182284.6	15.9	3.49	6.51	3.25
YES		NO						
L0000543	0	0.19370E-06	660348.6	4182298.6	16.1	3.49	6.51	3.25
YES		NO						
L0000544	0	0.19370E-06	660348.2	4182312.6	16.0	3.49	6.51	3.25
YES		NO						
L0000545	0	0.19370E-06	660347.9	4182326.6	15.7	3.49	6.51	3.25
YES		NO						
L0000546	0	0.19370E-06	660347.6	4182340.6	15.3	3.49	6.51	3.25
YES		NO						
L0000547	0	0.19370E-06	660347.2	4182354.6	15.0	3.49	6.51	3.25
YES		NO						
L0000548	0	0.19370E-06	660346.9	4182368.6	14.7	3.49	6.51	3.25
YES		NO						
L0000549	0	0.19370E-06	660346.5	4182382.6	15.2	3.49	6.51	3.25
YES		NO						
L0000550	0	0.19370E-06	660346.2	4182396.6	15.7	3.49	6.51	3.25
YES		NO						
L0000551	0	0.19370E-06	660345.9	4182410.6	16.2	3.49	6.51	3.25
YES		NO						
L0000552	0	0.19370E-06	660345.5	4182424.6	16.8	3.49	6.51	3.25
YES		NO						
L0000553	0	0.19370E-06	660345.2	4182438.6	16.6	3.49	6.51	3.25
YES		NO						
L0000554	0	0.19370E-06	660344.8	4182452.6	16.2	3.49	6.51	3.25
YES		NO						
L0000555	0	0.19370E-06	660344.5	4182466.6	16.0	3.49	6.51	3.25
YES		NO						
L0000556	0	0.19370E-06	660344.2	4182480.6	15.8	3.49	6.51	3.25
YES		NO						
L0000557	0	0.19370E-06	660343.8	4182494.6	15.7	3.49	6.51	3.25
YES		NO						
L0000558	0	0.19370E-06	660343.5	4182508.6	15.5	3.49	6.51	3.25
YES		NO						
L0000559	0	0.19370E-06	660343.1	4182522.6	15.3	3.49	6.51	3.25
YES		NO						
L0000560	0	0.19370E-06	660342.8	4182536.6	14.9	3.49	6.51	3.25
YES		NO						

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*** AERMOD - VERSION 23132 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15639
Spreckels\15639 Ops HRA\1 ***      09/20/24
*** AERMET - VERSION 21112 ***
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

SOURCE	NUMBER	EMISSION RATE	AIRCRAFT		BASE	RELEASE	INIT.	INIT.
SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY	SZ
ID	SCALAR VARY	CATS.	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		BY						

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L0000561	0	0.19370E-06	660342.5	4182550.6	14.5	3.49	6.51	3.25
YES		NO						
L0000562	0	0.19370E-06	660342.1	4182564.6	14.4	3.49	6.51	3.25
YES		NO						
L0000563	0	0.19370E-06	660341.8	4182578.6	14.3	3.49	6.51	3.25
YES		NO						
L0000564	0	0.19370E-06	660341.4	4182592.5	14.3	3.49	6.51	3.25
YES		NO						
L0000565	0	0.19370E-06	660341.1	4182606.5	14.3	3.49	6.51	3.25
YES		NO						
L0000566	0	0.19370E-06	660340.8	4182620.5	14.3	3.49	6.51	3.25
YES		NO						
L0000567	0	0.19370E-06	660340.4	4182634.5	14.4	3.49	6.51	3.25
YES		NO						
L0000568	0	0.19370E-06	660340.1	4182648.5	14.5	3.49	6.51	3.25
YES		NO						
L0000569	0	0.19370E-06	660339.7	4182662.5	14.6	3.49	6.51	3.25
YES		NO						
L0000570	0	0.23450E-06	658771.8	4184232.5	13.0	3.49	6.51	3.25
YES		NO						
L0000571	0	0.23450E-06	658770.3	4184246.4	12.9	3.49	6.51	3.25
YES		NO						
L0000572	0	0.23450E-06	658768.7	4184260.3	12.9	3.49	6.51	3.25
YES		NO						
L0000573	0	0.23450E-06	658765.0	4184273.9	12.9	3.49	6.51	3.25
YES		NO						
L0000574	0	0.23450E-06	658761.4	4184287.4	13.0	3.49	6.51	3.25
YES		NO						
L0000575	0	0.23450E-06	658757.7	4184300.9	13.0	3.49	6.51	3.25
YES		NO						
L0000576	0	0.23450E-06	658754.1	4184314.4	13.1	3.49	6.51	3.25
YES		NO						
L0000577	0	0.23450E-06	658748.7	4184327.3	13.0	3.49	6.51	3.25
YES		NO						
L0000578	0	0.23450E-06	658743.0	4184340.1	12.9	3.49	6.51	3.25
YES		NO						
L0000579	0	0.23450E-06	658737.4	4184352.9	12.9	3.49	6.51	3.25
YES		NO						
L0000580	0	0.23450E-06	658731.7	4184365.7	12.9	3.49	6.51	3.25
YES		NO						
L0000581	0	0.23450E-06	658726.0	4184378.5	12.9	3.49	6.51	3.25
YES		NO						
L0000582	0	0.23450E-06	658720.4	4184391.3	12.8	3.49	6.51	3.25
YES		NO						
L0000583	0	0.23450E-06	658714.6	4184404.0	12.7	3.49	6.51	3.25
YES		NO						
L0000584	0	0.23450E-06	658708.4	4184416.6	12.7	3.49	6.51	3.25
YES		NO						
L0000585	0	0.23450E-06	658702.2	4184429.2	12.7	3.49	6.51	3.25
YES		NO						
L0000586	0	0.23450E-06	658696.1	4184441.7	12.8	3.49	6.51	3.25
YES		NO						
L0000587	0	0.23450E-06	658689.9	4184454.3	12.7	3.49	6.51	3.25
YES		NO						
L0000588	0	0.23450E-06	658685.6	4184467.6	12.8	3.49	6.51	3.25
YES		NO						
L0000589	0	0.23450E-06	658681.4	4184481.0	12.8	3.49	6.51	3.25
YES		NO						
L0000590	0	0.23450E-06	658677.2	4184494.4	12.9	3.49	6.51	3.25
YES		NO						
L0000591	0	0.23450E-06	658673.1	4184507.7	12.8	3.49	6.51	3.25
YES		NO						
L0000592	0	0.23450E-06	658669.7	4184521.3	12.7	3.49	6.51	3.25
YES		NO						
L0000593	0	0.23450E-06	658666.8	4184535.0	12.6	3.49	6.51	3.25

YES		NO						
L0000594	0	0.23450E-06	658663.8	4184548.7	12.5	3.49	6.51	3.25
YES		NO						
L0000595	0	0.23450E-06	658660.8	4184562.3	12.4	3.49	6.51	3.25
YES		NO						
L0000596	0	0.23450E-06	658659.3	4184576.3	12.5	3.49	6.51	3.25
YES		NO						
L0000597	0	0.23450E-06	658658.0	4184590.2	12.5	3.49	6.51	3.25
YES		NO						
L0000598	0	0.23450E-06	658657.1	4184604.2	12.5	3.49	6.51	3.25
YES		NO						
L0000599	0	0.23450E-06	658656.2	4184618.1	12.5	3.49	6.51	3.25
YES		NO						
L0000600	0	0.23450E-06	658655.4	4184632.1	12.4	3.49	6.51	3.25
YES		NO						

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\*\*\* MODELOPTs:      RegDFAULT    CONC    ELEV    URBAN    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

SOURCE	NUMBER	EMISSION	RATE	AIRCRAFT		BASE	RELEASE	INIT.	INIT.
				X	Y				
SOURCE	URBAN	EMISSION	RATE			ELEV.	HEIGHT	SY	SZ
ID	SCALAR	(GRAMS/SEC)		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	
(METERS)	VARY		BY						
	CATS.								
L0000601	0	0.23450E-06	658654.5	4184646.1		12.4	3.49	6.51	3.25
YES		NO							
L0000602	0	0.23450E-06	658653.6	4184660.1		12.4	3.49	6.51	3.25
YES		NO							
L0000603	0	0.23450E-06	658652.8	4184674.0		12.3	3.49	6.51	3.25
YES		NO							
L0000604	0	0.23450E-06	658651.9	4184688.0		12.3	3.49	6.51	3.25
YES		NO							
L0000605	0	0.23450E-06	658651.1	4184702.0		12.3	3.49	6.51	3.25
YES		NO							
L0000606	0	0.23450E-06	658650.2	4184715.9		12.4	3.49	6.51	3.25
YES		NO							
L0000607	0	0.23450E-06	658649.2	4184729.9		12.4	3.49	6.51	3.25
YES		NO							
L0000608	0	0.23450E-06	658648.2	4184743.9		12.5	3.49	6.51	3.25
YES		NO							
L0000609	0	0.23450E-06	658647.2	4184757.8		12.6	3.49	6.51	3.25
YES		NO							
L0000610	0	0.23450E-06	658646.1	4184771.8		12.7	3.49	6.51	3.25
YES		NO							
L0000611	0	0.23450E-06	658645.1	4184785.8		12.7	3.49	6.51	3.25
YES		NO							
L0000612	0	0.23450E-06	658644.1	4184799.7		12.7	3.49	6.51	3.25
YES		NO							
L0000613	0	0.23450E-06	658643.0	4184813.7		12.8	3.49	6.51	3.25
YES		NO							
L0000614	0	0.23450E-06	658642.0	4184827.7		13.0	3.49	6.51	3.25
YES		NO							
L0000615	0	0.23450E-06	658641.0	4184841.6		13.0	3.49	6.51	3.25
YES		NO							
L0000616	0	0.23450E-06	658640.0	4184855.6		13.1	3.49	6.51	3.25

YES		NO						
L0000617	0	0.27440E-07	658632.6	4184871.9	13.1	3.49	6.51	3.25
YES		NO						
L0000618	0	0.27440E-07	658618.6	4184871.5	13.1	3.49	6.51	3.25
YES		NO						
L0000619	0	0.27440E-07	658604.6	4184871.1	13.0	3.49	6.51	3.25
YES		NO						
L0000620	0	0.27440E-07	658590.6	4184870.7	12.8	3.49	6.51	3.25
YES		NO						
L0000621	0	0.27440E-07	658576.6	4184870.3	12.7	3.49	6.51	3.25
YES		NO						
L0000622	0	0.27440E-07	658562.6	4184869.9	12.6	3.49	6.51	3.25
YES		NO						
L0000623	0	0.27440E-07	658548.6	4184869.5	12.5	3.49	6.51	3.25
YES		NO						
L0000624	0	0.27440E-07	658534.6	4184869.1	12.4	3.49	6.51	3.25
YES		NO						
L0000625	0	0.27440E-07	658520.6	4184868.7	12.3	3.49	6.51	3.25
YES		NO						
L0000626	0	0.27440E-07	658506.6	4184868.3	12.3	3.49	6.51	3.25
YES		NO						
L0000627	0	0.27440E-07	658492.6	4184867.9	12.2	3.49	6.51	3.25
YES		NO						
L0000628	0	0.27440E-07	658478.6	4184867.5	12.2	3.49	6.51	3.25
YES		NO						
L0000629	0	0.27440E-07	658464.6	4184867.1	12.1	3.49	6.51	3.25
YES		NO						
L0000630	0	0.27440E-07	658450.7	4184866.7	12.1	3.49	6.51	3.25
YES		NO						
L0000631	0	0.27440E-07	658436.7	4184866.3	12.1	3.49	6.51	3.25
YES		NO						
L0000632	0	0.27440E-07	658422.7	4184865.9	12.1	3.49	6.51	3.25
YES		NO						
L0000633	0	0.27440E-07	658408.7	4184865.5	12.1	3.49	6.51	3.25
YES		NO						
L0000634	0	0.27440E-07	658394.7	4184865.1	12.1	3.49	6.51	3.25
YES		NO						
L0000635	0	0.27440E-07	658380.7	4184864.7	12.1	3.49	6.51	3.25
YES		NO						
L0000636	0	0.27440E-07	658366.7	4184864.3	12.1	3.49	6.51	3.25
YES		NO						
L0000637	0	0.27440E-07	658352.7	4184863.8	12.1	3.49	6.51	3.25
YES		NO						
L0000638	0	0.27440E-07	658338.7	4184863.4	12.1	3.49	6.51	3.25
YES		NO						
L0000639	0	0.27440E-07	658324.7	4184863.0	12.1	3.49	6.51	3.25
YES		NO						
L0000640	0	0.27440E-07	658310.7	4184862.6	12.0	3.49	6.51	3.25
YES		NO						

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\*\*\* MODELOPTs:      RegDFAULT    CONC    ELEV    URBAN    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

SOURCE	NUMBER	EMISSION RATE	AIRCRAFT		BASE	RELEASE	INIT.	INIT.
SOURCE	URBAN	EMISSION RATE	X	Y	ELEV.	HEIGHT	SY	SZ
ID	PART.	(GRAMS/SEC)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
	SCALAR VARY							
	CATS.							
		BY						

L0000641	0	0.27440E-07	658296.7	4184862.2	12.0	3.49	6.51	3.25
YES		NO						
L0000642	0	0.27440E-07	658282.7	4184861.8	12.0	3.49	6.51	3.25
YES		NO						
L0000643	0	0.27440E-07	658268.7	4184861.4	12.0	3.49	6.51	3.25
YES		NO						
L0000644	0	0.27440E-07	658254.7	4184861.0	12.1	3.49	6.51	3.25
YES		NO						
L0000645	0	0.27440E-07	658240.7	4184860.6	12.2	3.49	6.51	3.25
YES		NO						
L0000646	0	0.27440E-07	658226.7	4184860.2	12.2	3.49	6.51	3.25
YES		NO						
L0000647	0	0.27440E-07	658212.8	4184859.8	12.2	3.49	6.51	3.25
YES		NO						
L0000648	0	0.27440E-07	658198.8	4184859.5	12.2	3.49	6.51	3.25
YES		NO						
L0000649	0	0.27440E-07	658184.8	4184859.1	12.2	3.49	6.51	3.25
YES		NO						
L0000650	0	0.27440E-07	658170.8	4184858.8	12.1	3.49	6.51	3.25
YES		NO						
L0000651	0	0.27440E-07	658156.8	4184858.5	12.1	3.49	6.51	3.25
YES		NO						
L0000652	0	0.27440E-07	658142.8	4184858.1	12.0	3.49	6.51	3.25
YES		NO						
L0000653	0	0.27440E-07	658128.8	4184857.8	11.9	3.49	6.51	3.25
YES		NO						
L0000654	0	0.27440E-07	658114.8	4184857.5	11.9	3.49	6.51	3.25
YES		NO						
L0000655	0	0.27440E-07	658100.8	4184857.2	11.8	3.49	6.51	3.25
YES		NO						
L0000656	0	0.27440E-07	658086.8	4184856.9	11.9	3.49	6.51	3.25
YES		NO						
L0000657	0	0.27440E-07	658072.8	4184856.7	11.9	3.49	6.51	3.25
YES		NO						
L0000658	0	0.27440E-07	658058.8	4184856.4	11.9	3.49	6.51	3.25
YES		NO						
L0000659	0	0.27440E-07	658044.8	4184856.1	12.0	3.49	6.51	3.25
YES		NO						
L0000660	0	0.27440E-07	658030.8	4184855.9	12.1	3.49	6.51	3.25
YES		NO						
L0000661	0	0.27440E-07	658016.8	4184855.6	12.1	3.49	6.51	3.25
YES		NO						
L0000662	0	0.27440E-07	658002.8	4184855.3	12.1	3.49	6.51	3.25
YES		NO						
L0000663	0	0.27440E-07	657988.8	4184855.1	12.1	3.49	6.51	3.25
YES		NO						
L0000664	0	0.27440E-07	657974.8	4184854.8	12.1	3.49	6.51	3.25
YES		NO						
L0000665	0	0.27440E-07	657960.8	4184854.5	12.2	3.49	6.51	3.25
YES		NO						
L0000666	0	0.27440E-07	657946.8	4184854.3	12.2	3.49	6.51	3.25
YES		NO						
L0000667	0	0.27440E-07	657932.8	4184854.0	12.1	3.49	6.51	3.25
YES		NO						
L0000668	0	0.27440E-07	657918.8	4184853.8	12.1	3.49	6.51	3.25
YES		NO						
L0000669	0	0.27440E-07	657904.8	4184853.5	12.1	3.49	6.51	3.25
YES		NO						
L0000670	0	0.27440E-07	657890.8	4184853.2	12.0	3.49	6.51	3.25
YES		NO						
L0000671	0	0.27440E-07	657876.8	4184853.0	12.0	3.49	6.51	3.25
YES		NO						
L0000672	0	0.27440E-07	657862.8	4184852.7	11.9	3.49	6.51	3.25

YES		NO						
L0000673	0	0.27440E-07	657848.8	4184852.4	11.9	3.49	6.51	3.25
YES		NO						
L0000674	0	0.27440E-07	657834.8	4184852.2	11.9	3.49	6.51	3.25
YES		NO						
L0000675	0	0.27440E-07	657820.8	4184851.9	11.8	3.49	6.51	3.25
YES		NO						
L0000676	0	0.27440E-07	657806.8	4184851.6	11.8	3.49	6.51	3.25
YES		NO						
L0000677	0	0.27440E-07	657792.8	4184851.4	11.7	3.49	6.51	3.25
YES		NO						
L0000678	0	0.27440E-07	657778.8	4184851.1	11.6	3.49	6.51	3.25
YES		NO						
L0000679	0	0.27440E-07	657764.8	4184850.9	11.6	3.49	6.51	3.25
YES		NO						
L0000680	0	0.27440E-07	657750.8	4184850.6	11.6	3.49	6.51	3.25
YES		NO						

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\*\*\* MODELOPTs:      RegDFAULT    CONC    ELEV    URBAN    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

SOURCE SOURCE ID (METERS)	NUMBER URBAN PART. SCALAR ID (METERS)	EMISSION EMISSION (GRAMS/SEC)	RATE RATE BY	AIRCRAFT		BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ
				X	Y				
L0000681	0	0.27440E-07	657736.8	4184850.3		11.7	3.49	6.51	3.25
YES		NO							
L0000682	0	0.27440E-07	657722.8	4184850.1		11.8	3.49	6.51	3.25
YES		NO							
L0000683	0	0.27440E-07	657708.9	4184849.8		11.9	3.49	6.51	3.25
YES		NO							
L0000684	0	0.27440E-07	657694.9	4184849.5		12.0	3.49	6.51	3.25
YES		NO							
L0000685	0	0.27440E-07	657680.9	4184849.3		12.1	3.49	6.51	3.25
YES		NO							
L0000686	0	0.27440E-07	657666.9	4184849.0		12.3	3.49	6.51	3.25
YES		NO							
L0000687	0	0.27440E-07	657652.9	4184848.7		12.4	3.49	6.51	3.25
YES		NO							
L0000688	0	0.27440E-07	657638.9	4184848.5		12.5	3.49	6.51	3.25
YES		NO							
L0000689	0	0.27440E-07	657624.9	4184848.2		12.6	3.49	6.51	3.25
YES		NO							
L0000690	0	0.27440E-07	657610.9	4184848.0		12.7	3.49	6.51	3.25
YES		NO							
L0000691	0	0.27440E-07	657596.9	4184847.7		12.7	3.49	6.51	3.25
YES		NO							
L0000692	0	0.27440E-07	657582.9	4184847.4		12.7	3.49	6.51	3.25
YES		NO							
L0000693	0	0.27440E-07	657568.9	4184847.2		12.6	3.49	6.51	3.25
YES		NO							
L0000694	0	0.27440E-07	657554.9	4184846.9		12.5	3.49	6.51	3.25
YES		NO							
L0000695	0	0.27440E-07	657540.9	4184846.6		12.5	3.49	6.51	3.25

YES		NO						
L0000696	0	0.27440E-07	657526.9	4184846.4	12.4	3.49	6.51	3.25
YES		NO						
L0000697	0	0.27440E-07	657512.9	4184846.1	12.4	3.49	6.51	3.25
YES		NO						
L0000698	0	0.27440E-07	657498.9	4184845.8	12.3	3.49	6.51	3.25
YES		NO						
L0000699	0	0.27440E-07	657484.9	4184845.6	12.3	3.49	6.51	3.25
YES		NO						
L0000700	0	0.27440E-07	657470.9	4184845.3	12.2	3.49	6.51	3.25
YES		NO						
L0000701	0	0.27440E-07	657456.9	4184845.0	12.2	3.49	6.51	3.25
YES		NO						
L0000702	0	0.27440E-07	657442.9	4184844.8	12.2	3.49	6.51	3.25
YES		NO						
L0000703	0	0.27440E-07	657428.9	4184844.5	12.2	3.49	6.51	3.25
YES		NO						
L0000704	0	0.27440E-07	657414.9	4184844.1	12.2	3.49	6.51	3.25
YES		NO						
L0000705	0	0.27440E-07	657400.9	4184843.8	12.2	3.49	6.51	3.25
YES		NO						
L0000706	0	0.27440E-07	657386.9	4184843.5	12.2	3.49	6.51	3.25
YES		NO						
L0000707	0	0.27440E-07	657372.9	4184843.2	12.1	3.49	6.51	3.25
YES		NO						
L0000708	0	0.27440E-07	657358.9	4184842.9	12.0	3.49	6.51	3.25
YES		NO						
L0000709	0	0.27440E-07	657344.9	4184842.5	12.0	3.49	6.51	3.25
YES		NO						
L0000710	0	0.27440E-07	657330.9	4184842.2	11.9	3.49	6.51	3.25
YES		NO						
L0000711	0	0.27440E-07	657316.9	4184841.9	11.9	3.49	6.51	3.25
YES		NO						
L0000712	0	0.27440E-07	657302.9	4184841.6	11.9	3.49	6.51	3.25
YES		NO						
L0000713	0	0.27440E-07	657288.9	4184841.2	11.9	3.49	6.51	3.25
YES		NO						
L0000714	0	0.27440E-07	657274.9	4184840.9	11.9	3.49	6.51	3.25
YES		NO						
L0000715	0	0.27440E-07	657260.9	4184840.6	11.9	3.49	6.51	3.25
YES		NO						
L0000716	0	0.27440E-07	657247.0	4184840.3	11.9	3.49	6.51	3.25
YES		NO						
L0000717	0	0.27440E-07	657233.0	4184839.9	11.9	3.49	6.51	3.25
YES		NO						
L0000718	0	0.27440E-07	657219.0	4184839.6	11.8	3.49	6.51	3.25
YES		NO						
L0000719	0	0.27440E-07	657205.0	4184839.3	11.8	3.49	6.51	3.25
YES		NO						
L0000720	0	0.27440E-07	657191.0	4184839.0	11.8	3.49	6.51	3.25
YES		NO						

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    URBAN    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

SOURCE	NUMBER	EMISSION RATE	AIRCRAFT		BASE	RELEASE	INIT.	INIT.
SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY	SZ
SCALAR VARY								



ID (METERS)	CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	
L0000721	0	0.27440E-07	657177.0	4184838.6	11.8	3.49	6.51	3.25
YES		NO						
L0000722	0	0.27440E-07	657163.0	4184838.3	11.8	3.49	6.51	3.25
YES		NO						
L0000723	0	0.27440E-07	657149.0	4184838.0	11.8	3.49	6.51	3.25
YES		NO						
L0000724	0	0.27440E-07	657135.0	4184837.7	11.7	3.49	6.51	3.25
YES		NO						
L0000725	0	0.27440E-07	657121.0	4184837.4	11.7	3.49	6.51	3.25
YES		NO						
L0000726	0	0.27440E-07	657107.0	4184837.0	11.7	3.49	6.51	3.25
YES		NO						
L0000727	0	0.27440E-07	657093.0	4184836.5	11.7	3.49	6.51	3.25
YES		NO						
L0000728	0	0.27440E-07	657079.0	4184836.0	11.7	3.49	6.51	3.25
YES		NO						
L0000729	0	0.27440E-07	657065.0	4184835.6	11.6	3.49	6.51	3.25
YES		NO						
L0000730	0	0.27440E-07	657051.0	4184835.1	11.6	3.49	6.51	3.25
YES		NO						
L0000731	0	0.27440E-07	657037.0	4184834.6	11.6	3.49	6.51	3.25
YES		NO						
L0000732	0	0.19700E-06	658651.1	4184872.3	13.1	3.49	6.51	3.25
YES		NO						
L0000733	0	0.19700E-06	658665.1	4184872.6	13.1	3.49	6.51	3.25
YES		NO						
L0000734	0	0.19700E-06	658679.1	4184872.9	13.1	3.49	6.51	3.25
YES		NO						
L0000735	0	0.19700E-06	658693.1	4184873.1	13.1	3.49	6.51	3.25
YES		NO						
L0000736	0	0.19700E-06	658707.1	4184873.4	13.1	3.49	6.51	3.25
YES		NO						
L0000737	0	0.19700E-06	658721.1	4184873.7	13.1	3.49	6.51	3.25
YES		NO						
L0000738	0	0.19700E-06	658735.1	4184874.0	13.1	3.49	6.51	3.25
YES		NO						
L0000739	0	0.19700E-06	658749.1	4184874.3	13.1	3.49	6.51	3.25
YES		NO						
L0000740	0	0.19700E-06	658763.1	4184874.6	13.1	3.49	6.51	3.25
YES		NO						
L0000741	0	0.19700E-06	658777.1	4184874.9	13.1	3.49	6.51	3.25
YES		NO						
L0000742	0	0.19700E-06	658791.1	4184875.2	13.0	3.49	6.51	3.25
YES		NO						
L0000743	0	0.19700E-06	658805.1	4184875.5	12.9	3.49	6.51	3.25
YES		NO						
L0000744	0	0.19700E-06	658819.1	4184875.8	12.8	3.49	6.51	3.25
YES		NO						
L0000745	0	0.19700E-06	658833.1	4184876.1	12.8	3.49	6.51	3.25
YES		NO						
L0000746	0	0.19700E-06	658847.1	4184876.3	12.8	3.49	6.51	3.25
YES		NO						
L0000747	0	0.19700E-06	658861.1	4184876.6	12.8	3.49	6.51	3.25
YES		NO						
L0000748	0	0.19700E-06	658875.1	4184876.9	12.8	3.49	6.51	3.25
YES		NO						
L0000749	0	0.19700E-06	658889.1	4184877.2	12.9	3.49	6.51	3.25
YES		NO						
L0000750	0	0.19700E-06	658903.1	4184877.5	13.0	3.49	6.51	3.25
YES		NO						
L0000751	0	0.19700E-06	658917.1	4184877.8	13.0	3.49	6.51	3.25

YES		NO						
L0000752	0	0.19700E-06	658931.1	4184878.1	13.1	3.49	6.51	3.25
YES		NO						
L0000753	0	0.19700E-06	658945.1	4184878.4	13.1	3.49	6.51	3.25
YES		NO						
L0000754	0	0.19700E-06	658959.1	4184878.7	13.1	3.49	6.51	3.25
YES		NO						
L0000755	0	0.19700E-06	658973.1	4184879.0	13.1	3.49	6.51	3.25
YES		NO						
L0000756	0	0.19700E-06	658987.1	4184879.3	13.1	3.49	6.51	3.25
YES		NO						
L0000757	0	0.19700E-06	659001.1	4184879.6	13.2	3.49	6.51	3.25
YES		NO						
L0000758	0	0.19700E-06	659015.0	4184879.8	13.1	3.49	6.51	3.25
YES		NO						
L0000759	0	0.19700E-06	659029.0	4184880.1	13.1	3.49	6.51	3.25
YES		NO						
L0000760	0	0.19700E-06	659043.0	4184880.4	13.1	3.49	6.51	3.25
YES		NO						

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\*\*\* MODELOPTs: RegDFault CONC ELEV URBAN ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

SOURCE	NUMBER	EMISSION RATE	AIRCRAFT		BASE	RELEASE	INIT.	INIT.
			X	Y				
SOURCE	URBAN	EMISSION RATE			ELEV.	HEIGHT	SY	SZ
ID	SCALAR VARY	(GRAMS/SEC)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	
(METERS)	CATS.	BY						
L0000761	0	0.19700E-06	659057.0	4184880.7	13.1	3.49	6.51	3.25
YES		NO						
L0000762	0	0.19700E-06	659071.0	4184881.5	13.2	3.49	6.51	3.25
YES		NO						
L0000763	0	0.19700E-06	659085.0	4184882.3	13.2	3.49	6.51	3.25
YES		NO						
L0000764	0	0.19700E-06	659099.0	4184883.1	13.3	3.49	6.51	3.25
YES		NO						
L0000765	0	0.19700E-06	659113.0	4184883.9	13.3	3.49	6.51	3.25
YES		NO						
L0000766	0	0.19700E-06	659126.9	4184884.6	13.4	3.49	6.51	3.25
YES		NO						
L0000767	0	0.19700E-06	659140.9	4184885.4	13.4	3.49	6.51	3.25
YES		NO						
L0000768	0	0.19700E-06	659154.9	4184886.2	13.5	3.49	6.51	3.25
YES		NO						
L0000769	0	0.19700E-06	659168.9	4184887.0	13.5	3.49	6.51	3.25
YES		NO						
L0000770	0	0.19700E-06	659182.8	4184887.8	13.4	3.49	6.51	3.25
YES		NO						
L0000771	0	0.19700E-06	659196.8	4184888.5	13.3	3.49	6.51	3.25
YES		NO						
L0000772	0	0.19700E-06	659210.8	4184889.3	13.6	3.49	6.51	3.25
YES		NO						
L0000773	0	0.19700E-06	659224.8	4184890.1	14.0	3.49	6.51	3.25
YES		NO						
L0000774	0	0.19700E-06	659238.8	4184890.9	14.6	3.49	6.51	3.25

YES		NO						
L0000775	0	0.19700E-06	659252.7	4184891.3	14.7	3.49	6.51	3.25
YES		NO						
L0000776	0	0.19700E-06	659266.7	4184891.8	14.4	3.49	6.51	3.25
YES		NO						
L0000777	0	0.19700E-06	659280.7	4184892.3	13.9	3.49	6.51	3.25
YES		NO						
L0000778	0	0.19700E-06	659294.7	4184892.7	13.3	3.49	6.51	3.25
YES		NO						
L0000779	0	0.19700E-06	659308.7	4184893.2	13.5	3.49	6.51	3.25
YES		NO						
L0000780	0	0.19700E-06	659322.7	4184893.6	13.5	3.49	6.51	3.25
YES		NO						
L0000781	0	0.62610E-08	658638.6	4184883.8	13.1	3.49	4.00	3.25
YES		NO						
L0000782	0	0.62610E-08	658638.0	4184892.4	13.1	3.49	4.00	3.25
YES		NO						
L0000783	0	0.62610E-08	658637.4	4184900.9	13.1	3.49	4.00	3.25
YES		NO						
L0000784	0	0.62610E-08	658636.7	4184909.5	13.0	3.49	4.00	3.25
YES		NO						
L0000785	0	0.62610E-08	658636.1	4184918.1	13.0	3.49	4.00	3.25
YES		NO						
L0000786	0	0.62610E-08	658635.5	4184926.6	13.0	3.49	4.00	3.25
YES		NO						
L0000787	0	0.62610E-08	658634.9	4184935.2	12.9	3.49	4.00	3.25
YES		NO						
L0000788	0	0.62610E-08	658634.2	4184943.8	12.8	3.49	4.00	3.25
YES		NO						
L0000789	0	0.62610E-08	658633.6	4184952.3	12.8	3.49	4.00	3.25
YES		NO						
L0000790	0	0.62610E-08	658633.0	4184960.9	12.7	3.49	4.00	3.25
YES		NO						
L0000791	0	0.62610E-08	658632.4	4184969.5	12.7	3.49	4.00	3.25
YES		NO						
L0000792	0	0.62610E-08	658631.7	4184978.0	12.6	3.49	4.00	3.25
YES		NO						
L0000793	0	0.62610E-08	658631.1	4184986.6	12.6	3.49	4.00	3.25
YES		NO						
L0000794	0	0.62610E-08	658630.5	4184995.2	12.6	3.49	4.00	3.25
YES		NO						
L0000795	0	0.62610E-08	658629.8	4185003.7	12.7	3.49	4.00	3.25
YES		NO						
L0000796	0	0.62610E-08	658629.2	4185012.3	12.7	3.49	4.00	3.25
YES		NO						
L0000797	0	0.62610E-08	658628.6	4185020.9	12.7	3.49	4.00	3.25
YES		NO						
L0000798	0	0.62610E-08	658628.0	4185029.4	12.7	3.49	4.00	3.25
YES		NO						
L0000799	0	0.62610E-08	658627.3	4185038.0	12.7	3.49	4.00	3.25
YES		NO						
L0000800	0	0.62610E-08	658626.7	4185046.6	12.8	3.49	4.00	3.25

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

NUMBER	EMISSION RATE	BASE	RELEASE	INIT.	INIT.
URBAN	EMISSION RATE	AIRCRAFT			

SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY	SZ
SOURCE	SCALAR	VARY						
ID	CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	
(METERS)								
L0000801	0	0.62610E-08	658626.1	4185055.1	12.7	3.49	4.00	3.25
YES		NO						
L0000802	0	0.62610E-08	658625.4	4185063.7	12.7	3.49	4.00	3.25
YES		NO						
L0000803	0	0.62610E-08	658624.9	4185072.3	12.7	3.49	4.00	3.25
YES		NO						
L0000804	0	0.62610E-08	658624.3	4185080.9	12.7	3.49	4.00	3.25
YES		NO						
L0000805	0	0.62610E-08	658623.7	4185089.4	12.7	3.49	4.00	3.25
YES		NO						
L0000806	0	0.62610E-08	658623.1	4185098.0	12.8	3.49	4.00	3.25
YES		NO						
L0000807	0	0.62610E-08	658622.5	4185106.6	12.8	3.49	4.00	3.25
YES		NO						
L0000808	0	0.62610E-08	658621.9	4185115.1	12.8	3.49	4.00	3.25
YES		NO						
L0000809	0	0.62610E-08	658621.3	4185123.7	12.8	3.49	4.00	3.25
YES		NO						
L0000810	0	0.62610E-08	658620.7	4185132.3	12.8	3.49	4.00	3.25
YES		NO						
L0000811	0	0.62610E-08	658620.1	4185140.8	12.9	3.49	4.00	3.25
YES		NO						
L0000812	0	0.62610E-08	658619.5	4185149.4	12.9	3.49	4.00	3.25
YES		NO						
L0000813	0	0.62610E-08	658618.9	4185158.0	12.9	3.49	4.00	3.25
YES		NO						
L0000814	0	0.62610E-08	658618.4	4185166.6	12.9	3.49	4.00	3.25
YES		NO						
L0000815	0	0.62610E-08	658617.9	4185175.1	13.0	3.49	4.00	3.25
YES		NO						
L0000816	0	0.62610E-08	658617.4	4185183.7	13.0	3.49	4.00	3.25
YES		NO						
L0000817	0	0.62610E-08	658616.9	4185192.3	13.0	3.49	4.00	3.25
YES		NO						
L0000818	0	0.62610E-08	658616.5	4185200.9	13.0	3.49	4.00	3.25
YES		NO						
L0000819	0	0.62610E-08	658616.0	4185209.4	13.0	3.49	4.00	3.25
YES		NO						
L0000820	0	0.62610E-08	658615.5	4185218.0	13.1	3.49	4.00	3.25
YES		NO						
L0000821	0	0.62610E-08	658615.0	4185226.6	13.1	3.49	4.00	3.25
YES		NO						
L0000822	0	0.62610E-08	658614.6	4185235.2	13.1	3.49	4.00	3.25
YES		NO						
L0000823	0	0.62610E-08	658614.1	4185243.7	13.1	3.49	4.00	3.25
YES		NO						
L0000824	0	0.62610E-08	658613.6	4185252.3	13.1	3.49	4.00	3.25
YES		NO						
L0000825	0	0.62610E-08	658613.1	4185260.9	13.1	3.49	4.00	3.25
YES		NO						
L0000826	0	0.62610E-08	658612.6	4185269.5	13.1	3.49	4.00	3.25
YES		NO						


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\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID

SOURCE IDs

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ALL	IDLE1	,	IDLE2	,	IDLE3	,	IDLE4	,	IDLE5	,	IDLE6	,
IDLE7	, IDLE8	,		,		,		,		,		,
	IDLE9	,	IDLE10	,	IDLE11	,	IDLE12	,	IDLE13	,	IDLE14	,
	IDLE15	,	IDLE16	,		,		,		,		,
	IDLE17	,	IDLE18	,	IDLE19	,	IDLE20	,	IDLE21	,	IDLE22	,
	IDLE23	,	IDLE24	,		,		,		,		,
	IDLE25	,	IDLE26	,	IDLE27	,	IDLE28	,	IDLE29	,	IDLE30	,
	IDLE31	,	IDLE32	,		,		,		,		,
	IDLE33	,	IDLE34	,	IDLE35	,	IDLE36	,	IDLE37	,	IDLE38	,
	IDLE39	,	IDLE40	,		,		,		,		,
	IDLE41	,	IDLE42	,	IDLE43	,	IDLE44	,	IDLE45	,	IDLE46	,
	TRU1	,	TRU2	,		,		,		,		,
	TRU3	,	TRU4	,	TRU5	,	TRU6	,	TRU7	,	TRU8	,
	TRU9	,	TRU10	,		,		,		,		,
	TRU11	,	TRU12	,	TRU13	,	TRU14	,	TRU15	,	TRU16	,
	TRU17	,	TRU18	,		,		,		,		,
	TRU19	,	TRU20	,	TRU21	,	TRU22	,	TRU23	,	TRU24	,
	TRU25	,	TRU26	,		,		,		,		,
	TRU27	,	TRU28	,	TRU29	,	TRU30	,	TRU31	,	TRU32	,
	TRU33	,	TRU34	,		,		,		,		,
	TRU35	,	TRU36	,	TRU37	,	TRU38	,	TRU39	,	TRU40	,
	TRU41	,	TRU42	,		,		,		,		,
	TRU43	,	TRU44	,	TRU45	,	TRU46	,	TTP1	,	TTP2	,
	TTP3	,	TTP4	,		,		,		,		,
	TTP5	,	TTP6	,	TTP7	,	TTP8	,	TTP9	,	TTP10	,
	TTP11	,	TTP12	,		,		,		,		,
	TTP13	,	TTP14	,	TTP15	,	TTP16	,	TTP17	,	TTP18	,
	TTP19	,	TTP20	,		,		,		,		,
	TTP21	,	TTP22	,	TTP23	,	TTP24	,	TTP25	,	TTP26	,
	TTP27	,	TTP28	,		,		,		,		,
	TTP29	,	TTP30	,	TTP31	,	TTP32	,	TTP33	,	TTP34	,
	TTP35	,	TTP36	,		,		,		,		,
	TTP37	,	TTP38	,	TTP39	,	TTP40	,	TTP41	,	TTP42	,
	TTP43	,	TTP44	,		,		,		,		,
	TTP45	,	TTP46	,	TTP47	,	TTP48	,	TTP49	,	TTP50	,
	TTP51	,	TTP52	,		,		,		,		,
	TTP53	,	TTP54	,	TTP55	,	TTP56	,	TTP57	,	TTP58	,
	TTP59	,	TTP60	,		,		,		,		,
	TTP61	,	TTP62	,	TTP63	,	TTP64	,	TTP65	,	TTP66	,

TTP67 , TTP68 ,

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID

SOURCE IDs

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TTP69	,	TTP70	,	TTP71	,	TTP72	,	TTP73	,	TTP74	,
TTP75	,	TTP76	,								
TTP77	,	TTP78	,	TTP79	,	TTP80	,	TTP81	,	TTP82	,
TTP83	,	L0000001	,								
L0000002	,	L0000003	,	L0000004	,	L0000005	,	L0000006	,	L0000007	,
L0000008	,	L0000009	,								
L0000010	,	L0000011	,	L0000012	,	L0000013	,	L0000014	,	L0000015	,
L0000016	,	L0000017	,								
L0000018	,	L0000019	,	L0000020	,	L0000021	,	L0000022	,	L0000023	,
L0000024	,	L0000025	,								
L0000026	,	L0000027	,	L0000028	,	L0000029	,	L0000030	,	L0000031	,
L0000032	,	L0000033	,								
L0000034	,	L0000035	,	L0000036	,	L0000037	,	L0000038	,	L0000039	,
L0000040	,	STCK1	,								
STCK2	,	L0000041	,	L0000042	,	L0000043	,	L0000044	,	L0000045	,
L0000046	,	L0000047	,								
L0000048	,	L0000049	,	L0000050	,	L0000051	,	L0000052	,	L0000053	,
L0000054	,	L0000055	,								
L0000056	,	L0000057	,	L0000058	,	L0000059	,	L0000060	,	L0000061	,
L0000062	,	L0000063	,								
L0000064	,	L0000065	,	L0000066	,	L0000067	,	L0000068	,	L0000069	,
L0000070	,	L0000071	,								
L0000072	,	L0000073	,	L0000074	,	L0000075	,	L0000076	,	L0000077	,
L0000078	,	L0000079	,								
L0000080	,	L0000081	,	L0000082	,	L0000083	,	L0000084	,	L0000085	,
L0000086	,	L0000087	,								
L0000088	,	L0000089	,	L0000090	,	L0000091	,	L0000092	,	L0000093	,
L0000094	,	L0000095	,								
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L0000102	,	L0000103	,								
L0000104	,	L0000105	,	L0000106	,	L0000107	,	L0000108	,	L0000109	,
L0000110	,	L0000111	,								
L0000112	,	L0000113	,	L0000114	,	L0000115	,	L0000116	,	L0000117	,
L0000118	,	L0000119	,								

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID  
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SOURCE IDs  
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L0000144 , L0000145 , L0000146 , L0000147 , L0000148 , L0000149 ,  
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

```

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID  
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SOURCE IDs  
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L0000304 , L0000305 , L0000306 , L0000307 , L0000308 , L0000309 ,
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L0000358 , L0000359 ,

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 L0000462 , L0000463 ,

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID  
-----

SOURCE IDs  
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L0000464 , L0000465 , L0000466 , L0000467 , L0000468 , L0000469 ,  
 L0000470 , L0000471 ,  
 L0000472 , L0000473 , L0000474 , L0000475 , L0000476 , L0000477 ,  
 L0000478 , L0000479 ,  
 L0000480 , L0000481 , L0000482 , L0000483 , L0000484 , L0000485 ,  
 L0000486 , L0000487 ,  
 L0000488 , L0000489 , L0000490 , L0000491 , L0000492 , L0000493 ,  
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L0000550 , L0000551 ,

L0000552 , L0000553 , L0000554 , L0000555 , L0000556 , L0000557 ,
L0000558 , L0000559 ,

L0000560 , L0000561 , L0000562 , L0000563 , L0000564 , L0000565 ,
L0000566 , L0000567 ,

L0000568 , L0000569 , L0000570 , L0000571 , L0000572 , L0000573 ,
L0000574 , L0000575 ,

L0000576 , L0000577 , L0000578 , L0000579 , L0000580 , L0000581 ,
L0000582 , L0000583 ,

L0000584 , L0000585 , L0000586 , L0000587 , L0000588 , L0000589 ,
L0000590 , L0000591 ,

L0000592 , L0000593 , L0000594 , L0000595 , L0000596 , L0000597 ,
L0000598 , L0000599 ,

L0000600 , L0000601 , L0000602 , L0000603 , L0000604 , L0000605 ,
L0000606 , L0000607 ,

L0000608 , L0000609 , L0000610 , L0000611 , L0000612 , L0000613 ,
L0000614 , L0000615 ,

L0000616 , L0000617 , L0000618 , L0000619 , L0000620 , L0000621 ,
L0000622 , L0000623

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID	SOURCE IDs					
-----	-----					
L0000624	, L0000625	, L0000626	, L0000627	, L0000628	, L0000629	,
L0000630	, L0000631	,				
L0000632	, L0000633	, L0000634	, L0000635	, L0000636	, L0000637	,
L0000638	, L0000639	,				
L0000640	, L0000641	, L0000642	, L0000643	, L0000644	, L0000645	,
L0000646	, L0000647	,				
L0000648	, L0000649	, L0000650	, L0000651	, L0000652	, L0000653	,
L0000654	, L0000655	,				
L0000656	, L0000657	, L0000658	, L0000659	, L0000660	, L0000661	,
L0000662	, L0000663	,				
L0000664	, L0000665	, L0000666	, L0000667	, L0000668	, L0000669	,
L0000670	, L0000671	,				

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L0000672 , L0000673 , L0000674 , L0000675 , L0000676 , L0000677 ,
L0000678 , L0000679 ,

L0000680 , L0000681 , L0000682 , L0000683 , L0000684 , L0000685 ,
L0000686 , L0000687 ,

L0000688 , L0000689 , L0000690 , L0000691 , L0000692 , L0000693 ,
L0000694 , L0000695 ,

L0000696 , L0000697 , L0000698 , L0000699 , L0000700 , L0000701 ,
L0000702 , L0000703 ,

L0000704 , L0000705 , L0000706 , L0000707 , L0000708 , L0000709 ,
L0000710 , L0000711 ,

L0000712 , L0000713 , L0000714 , L0000715 , L0000716 , L0000717 ,
L0000718 , L0000719 ,

L0000720 , L0000721 , L0000722 , L0000723 , L0000724 , L0000725 ,
L0000726 , L0000727 ,

L0000728 , L0000729 , L0000730 , L0000731 , L0000732 , L0000733 ,
L0000734 , L0000735 ,

L0000736 , L0000737 , L0000738 , L0000739 , L0000740 , L0000741 ,
L0000742 , L0000743 ,

L0000744 , L0000745 , L0000746 , L0000747 , L0000748 , L0000749 ,
L0000750 , L0000751 ,

L0000752 , L0000753 , L0000754 , L0000755 , L0000756 , L0000757 ,
L0000758 , L0000759 ,

L0000760 , L0000761 , L0000762 , L0000763 , L0000764 , L0000765 ,
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L0000768 , L0000769 , L0000770 , L0000771 , L0000772 , L0000773 ,
L0000774 , L0000775 ,

L0000776 , L0000777 , L0000778 , L0000779 , L0000780 , L0000781 ,
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID  
-----

SOURCE IDs  
-----

```

L0000784 , L0000785 , L0000786 , L0000787 , L0000788 , L0000789 ,
L0000790 , L0000791 ,

L0000792 , L0000793 , L0000794 , L0000795 , L0000796 , L0000797 ,
L0000798 , L0000799 ,

L0000800 , L0000801 , L0000802 , L0000803 , L0000804 , L0000805 ,
L0000806 , L0000807 ,

L0000808 , L0000809 , L0000810 , L0000811 , L0000812 , L0000813 ,

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TTP29      , TTP30      , TTP31      , TTP32      , TTP33      , TTP34      ,
TTP35      , TTP36      ,
TTP37      , TTP38      , TTP39      , TTP40      , TTP41      , TTP42      ,
TTP43      , TTP44      ,
TTP45      , TTP46      , TTP47      , TTP48      , TTP49      , TTP50      ,
TTP51      , TTP52      ,
TTP53      , TTP54      , TTP55      , TTP56      , TTP57      , TTP58      ,
TTP59      , TTP60      ,
TTP61      , TTP62      , TTP63      , TTP64      , TTP65      , TTP66      ,
TTP67      , TTP68      ,

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Spreckels\15639 Ops HRA\1 ***
*** AERMET - VERSION 21112 ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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\*\*\* SOURCE IDs DEFINED AS URBAN SOURCES \*\*\*

URBAN ID	URBAN POP	SOURCE IDs					
-----	-----	-----					
TTP69		TTP70	TTP71	TTP72	TTP73	TTP74	
TTP75		TTP76					
TTP77		TTP78	TTP79	TTP80	TTP81	TTP82	
TTP83		L0000001					
L0000002		L0000003	L0000004	L0000005	L0000006	L0000007	
L0000008		L0000009					
L0000010		L0000011	L0000012	L0000013	L0000014	L0000015	
L0000016		L0000017					
L0000018		L0000019	L0000020	L0000021	L0000022	L0000023	
L0000024		L0000025					
L0000026		L0000027	L0000028	L0000029	L0000030	L0000031	
L0000032		L0000033					
L0000034		L0000035	L0000036	L0000037	L0000038	L0000039	
L0000040		STCK1					
STCK2		L0000041	L0000042	L0000043	L0000044	L0000045	
L0000046		L0000047					
L0000048		L0000049	L0000050	L0000051	L0000052	L0000053	
L0000054		L0000055					
L0000056		L0000057	L0000058	L0000059	L0000060	L0000061	
L0000062		L0000063					
L0000064		L0000065	L0000066	L0000067	L0000068	L0000069	
L0000070		L0000071					
L0000072		L0000073	L0000074	L0000075	L0000076	L0000077	
L0000078		L0000079					

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L0000080 , L0000081 , L0000082 , L0000083 , L0000084 , L0000085 ,
L0000086 , L0000087 ,

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* SOURCE IDs DEFINED AS URBAN SOURCES \*\*\*

URBAN ID	URBAN POP	SOURCE IDs					
-----	-----	-----	-----	-----	-----	-----	-----
L0000144	L0000145	L0000146	L0000147	L0000148	L0000149		
L0000150	L0000151						
L0000152	L0000153	L0000154	L0000155	L0000156	L0000157		
L0000158	L0000159						
L0000160	L0000161	L0000162	L0000163	L0000164	L0000165		
L0000166	L0000167						
L0000168	L0000169	L0000170	L0000171	L0000172	L0000173		
L0000174	L0000175						
L0000176	L0000177	L0000178	L0000179	L0000180	L0000181		
L0000182	L0000183						
L0000184	L0000185	L0000186	L0000187	L0000188	L0000189		
L0000190	L0000191						
L0000192	L0000193	L0000194	L0000195	L0000196	L0000197		
L0000198	L0000199						
L0000200	L0000201	L0000202	L0000203	L0000204	L0000205		
L0000206	L0000207						
L0000208	L0000209	L0000210	L0000211	L0000212	L0000213		
L0000214	L0000215						
L0000216	L0000217	L0000218	L0000219	L0000220	L0000221		

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L0000302 , L0000303 ,

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* SOURCE IDs DEFINED AS URBAN SOURCES \*\*\*

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
L0000304	L0000305	L0000306 , L0000307 , L0000308 , L0000309 ,
L0000310	L0000311	,
L0000312	L0000313	L0000314 , L0000315 , L0000316 , L0000317 ,
L0000318	L0000319	,
L0000320	L0000321	L0000322 , L0000323 , L0000324 , L0000325 ,
L0000326	L0000327	,
L0000328	L0000329	L0000330 , L0000331 , L0000332 , L0000333 ,
L0000334	L0000335	,
L0000336	L0000337	L0000338 , L0000339 , L0000340 , L0000341 ,
L0000342	L0000343	,
L0000344	L0000345	L0000346 , L0000347 , L0000348 , L0000349 ,
L0000350	L0000351	,
L0000352	L0000353	L0000354 , L0000355 , L0000356 , L0000357 ,
L0000358	L0000359	,

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Spreckels\15639 Ops HRA\1 *** 09/20/24
*** AERMET - VERSION 21112 ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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\*\*\* SOURCE IDs DEFINED AS URBAN SOURCES \*\*\*

URBAN ID	URBAN POP	SOURCE IDs					
-----	-----	-----	-----	-----	-----	-----	-----
L0000464	L0000465	L0000466	L0000467	L0000468	L0000469		
L0000470	L0000471						
L0000472	L0000473	L0000474	L0000475	L0000476	L0000477		
L0000478	L0000479						
L0000480	L0000481	L0000482	L0000483	L0000484	L0000485		
L0000486	L0000487						
L0000488	L0000489	L0000490	L0000491	L0000492	L0000493		
L0000494	L0000495						



L0000496 , L0000497 , L0000498 , L0000499 , L0000500 , L0000501 ,  
 L0000502 , L0000503 ,  
  
 L0000504 , L0000505 , L0000506 , L0000507 , L0000508 , L0000509 ,  
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 L0000606 , L0000607 ,  
  
 L0000608 , L0000609 , L0000610 , L0000611 , L0000612 , L0000613 ,  
 L0000614 , L0000615 ,  
  
 L0000616 , L0000617 , L0000618 , L0000619 , L0000620 , L0000621 ,  
 L0000622 , L0000623 ,

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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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L0000624	L0000625	L0000626 , L0000627 , L0000628 , L0000629 ,
L0000630	L0000631	,
L0000632	L0000633	L0000634 , L0000635 , L0000636 , L0000637 ,

L0000638 , L0000639 ,  
 L0000640 , L0000641 , L0000642 , L0000643 , L0000644 , L0000645 ,  
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 L0000648 , L0000649 , L0000650 , L0000651 , L0000652 , L0000653 ,  
 L0000654 , L0000655 ,  
 L0000656 , L0000657 , L0000658 , L0000659 , L0000660 , L0000661 ,  
 L0000662 , L0000663 ,  
 L0000664 , L0000665 , L0000666 , L0000667 , L0000668 , L0000669 ,  
 L0000670 , L0000671 ,  
 L0000672 , L0000673 , L0000674 , L0000675 , L0000676 , L0000677 ,  
 L0000678 , L0000679 ,  
 L0000680 , L0000681 , L0000682 , L0000683 , L0000684 , L0000685 ,  
 L0000686 , L0000687 ,  
 L0000688 , L0000689 , L0000690 , L0000691 , L0000692 , L0000693 ,  
 L0000694 , L0000695 ,  
 L0000696 , L0000697 , L0000698 , L0000699 , L0000700 , L0000701 ,  
 L0000702 , L0000703 ,  
 L0000704 , L0000705 , L0000706 , L0000707 , L0000708 , L0000709 ,  
 L0000710 , L0000711 ,  
 L0000712 , L0000713 , L0000714 , L0000715 , L0000716 , L0000717 ,  
 L0000718 , L0000719 ,  
 L0000720 , L0000721 , L0000722 , L0000723 , L0000724 , L0000725 ,  
 L0000726 , L0000727 ,  
 L0000728 , L0000729 , L0000730 , L0000731 , L0000732 , L0000733 ,  
 L0000734 , L0000735 ,  
 L0000736 , L0000737 , L0000738 , L0000739 , L0000740 , L0000741 ,  
 L0000742 , L0000743 ,  
 L0000744 , L0000745 , L0000746 , L0000747 , L0000748 , L0000749 ,  
 L0000750 , L0000751 ,  
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 L0000760 , L0000761 , L0000762 , L0000763 , L0000764 , L0000765 ,  
 L0000766 , L0000767 ,  
 L0000768 , L0000769 , L0000770 , L0000771 , L0000772 , L0000773 ,  
 L0000774 , L0000775 ,  
 L0000776 , L0000777 , L0000778 , L0000779 , L0000780 , L0000781 ,  
 L0000782 , L0000783

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* SOURCE IDs DEFINED AS URBAN SOURCES \*\*\*

URBAN ID      URBAN POP  
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SOURCE IDs  
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L0000784 , L0000785 , L0000786 , L0000787 , L0000788 , L0000789 ,  
L0000790 , L0000791 ,  
  
L0000792 , L0000793 , L0000794 , L0000795 , L0000796 , L0000797 ,  
L0000798 , L0000799 ,  
  
L0000800 , L0000801 , L0000802 , L0000803 , L0000804 , L0000805 ,  
L0000806 , L0000807 ,  
  
L0000808 , L0000809 , L0000810 , L0000811 , L0000812 , L0000813 ,  
L0000814 , L0000815 ,  
  
L0000816 , L0000817 , L0000818 , L0000819 , L0000820 , L0000821 ,  
L0000822 , L0000823 ,  
  
L0000824 , L0000825 , L0000826 ,

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\*\*\* MODELOPTs:      RegDFAULT    CONC    ELEV    URBAN    ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: IDLE1

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-15.5,	-91.7,	2	13.7,	340.1,	204.2,	-26.1,	-79.7,
3	13.7,	328.4,	248.8,	-35.9,	-65.3,	4	13.7,	306.8,	285.7,	-44.6,	-48.9,
5	13.7,	275.8,	314.0,	-52.0,	-31.0,	6	13.7,	236.4,	332.7,	-57.8,	-12.1,
7	13.7,	189.9,	341.3,	-61.8,	7.1,	8	13.7,	138.4,	339.6,	-63.9,	26.4,
9	13.7,	101.5,	333.6,	-66.5,	46.3,	10	13.7,	154.2,	341.4,	-79.0,	61.6,
11	13.7,	204.2,	340.1,	-90.3,	76.0,	12	13.7,	248.8,	328.4,	-98.9,	88.5,
13	13.7,	285.7,	306.8,	-104.5,	98.2,	14	13.7,	314.0,	275.8,	-106.9,	105.0,
15	13.7,	332.7,	236.4,	-106.1,	108.6,	16	13.7,	341.3,	189.9,	-102.0,	108.9,
17	13.7,	339.6,	138.4,	-95.6,	105.8,	18	13.7,	333.6,	101.5,	-97.0,	100.3,
19	13.7,	341.4,	154.2,	-138.6,	91.7,	20	13.7,	340.1,	204.2,	-178.1,	79.7,
21	13.7,	328.4,	248.8,	-212.8,	65.3,	22	13.7,	306.8,	285.7,	-241.1,	48.9,
23	13.7,	275.8,	314.0,	-262.0,	31.0,	24	13.7,	236.4,	332.7,	-274.9,	12.1,
25	13.7,	189.9,	341.3,	-279.5,	-7.1,	26	13.7,	138.4,	339.6,	-275.6,	-26.4,
27	13.7,	101.5,	333.6,	-267.1,	-46.3,	28	13.7,	154.2,	341.4,	-262.4,	-61.6,
29	13.7,	204.2,	340.1,	-249.8,	-76.0,	30	13.7,	248.8,	328.4,	-229.5,	-88.5,
31	13.7,	285.7,	306.8,	-202.3,	-98.2,	32	13.7,	314.0,	275.8,	-168.9,	-105.0,
33	13.7,	332.7,	236.4,	-130.4,	-108.6,	34	13.7,	341.3,	189.9,	-87.9,	-108.9,
35	13.7,	339.6,	138.4,	-42.7,	-105.8,	36	13.7,	333.6,	101.5,	-4.5,	-100.3,

SOURCE ID: IDLE2

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-16.4,	-87.8,	2	13.7,	340.1,	204.2,	-27.7,	-76.0,
3	13.7,	328.4,	248.8,	-38.1,	-61.9,	4	13.7,	306.8,	285.7,	-47.4,	-45.9,
5	13.7,	275.8,	314.0,	-55.2,	-28.6,	6	13.7,	236.4,	332.7,	-61.4,	-10.3,
7	13.7,	189.9,	341.3,	-65.7,	8.2,	8	13.7,	138.4,	339.6,	-68.0,	26.9,
9	13.7,	101.5,	333.6,	-70.5,	46.1,	10	13.7,	154.2,	341.4,	-82.9,	60.6,
11	13.7,	204.2,	340.1,	-94.0,	74.4,	12	13.7,	248.8,	328.4,	-102.3,	86.2,
13	13.7,	285.7,	306.8,	-107.4,	95.5,	14	13.7,	314.0,	275.8,	-109.3,	101.8,
15	13.7,	332.7,	236.4,	-107.9,	105.0,	16	13.7,	341.3,	189.9,	-103.2,	105.0,
17	13.7,	339.6,	138.4,	-96.1,	101.8,	18	13.7,	333.6,	101.5,	-96.8,	96.3,
19	13.7,	341.4,	154.2,	-137.7,	87.8,	20	13.7,	340.1,	204.2,	-176.5,	76.0,
21	13.7,	328.4,	248.8,	-210.6,	61.9,	22	13.7,	306.8,	285.7,	-238.3,	45.9,

23	13.7,	275.8,	314.0,	-258.7,	28.6,	24	13.7,	236.4,	332.7,	-271.3,	10.3,
25	13.7,	189.9,	341.3,	-275.7,	-8.2,	26	13.7,	138.4,	339.6,	-271.6,	-26.9,
27	13.7,	101.5,	333.6,	-263.1,	-46.1,	28	13.7,	154.2,	341.4,	-258.5,	-60.6,
29	13.7,	204.2,	340.1,	-246.0,	-74.4,	30	13.7,	248.8,	328.4,	-226.1,	-86.2,
31	13.7,	285.7,	306.8,	-199.3,	-95.5,	32	13.7,	314.0,	275.8,	-166.4,	-101.8,
33	13.7,	332.7,	236.4,	-128.5,	-105.0,	34	13.7,	341.3,	189.9,	-86.7,	-105.0,
35	13.7,	339.6,	138.4,	-42.2,	-101.8,	36	13.7,	333.6,	101.5,	-4.7,	-96.3,

SOURCE ID: IDLE3

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-17.2,	-84.0,	2	13.7,	340.1,	204.2,	-29.1,	-72.4,
3	13.7,	328.4,	248.8,	-40.1,	-58.6,	4	13.7,	306.8,	285.7,	-49.9,	-43.0,
5	13.7,	275.8,	314.0,	-58.2,	-26.1,	6	13.7,	236.4,	332.7,	-64.7,	-8.5,
7	13.7,	189.9,	341.3,	-69.2,	9.5,	8	13.7,	138.4,	339.6,	-71.7,	27.5,
9	13.7,	101.5,	333.6,	-74.3,	46.0,	10	13.7,	154.2,	341.4,	-86.6,	59.9,
11	13.7,	204.2,	340.1,	-97.6,	73.1,	12	13.7,	248.8,	328.4,	-105.6,	84.3,
13	13.7,	285.7,	306.8,	-110.3,	93.0,	14	13.7,	314.0,	275.8,	-111.7,	98.8,
15	13.7,	332.7,	236.4,	-109.8,	101.6,	16	13.7,	341.3,	189.9,	-104.5,	101.4,
17	13.7,	339.6,	138.4,	-96.7,	98.1,	18	13.7,	333.6,	101.5,	-96.7,	92.5,
19	13.7,	341.4,	154.2,	-137.0,	84.0,	20	13.7,	340.1,	204.2,	-175.2,	72.4,
21	13.7,	328.4,	248.8,	-208.7,	58.6,	22	13.7,	306.8,	285.7,	-235.8,	43.0,
23	13.7,	275.8,	314.0,	-255.8,	26.1,	24	13.7,	236.4,	332.7,	-268.0,	8.5,
25	13.7,	189.9,	341.3,	-272.1,	-9.5,	26	13.7,	138.4,	339.6,	-267.9,	-27.5,
27	13.7,	101.5,	333.6,	-259.3,	-46.0,	28	13.7,	154.2,	341.4,	-254.8,	-59.9,
29	13.7,	204.2,	340.1,	-242.5,	-73.1,	30	13.7,	248.8,	328.4,	-222.8,	-84.3,
31	13.7,	285.7,	306.8,	-196.4,	-93.0,	32	13.7,	314.0,	275.8,	-164.0,	-98.8,
33	13.7,	332.7,	236.4,	-126.7,	-101.6,	34	13.7,	341.3,	189.9,	-85.5,	-101.4,
35	13.7,	339.6,	138.4,	-41.6,	-98.1,	36	13.7,	333.6,	101.5,	-4.7,	-92.5,

SOURCE ID: IDLE4

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-18.0,	-80.1,	2	13.7,	340.1,	204.2,	-30.6,	-68.7,
3	13.7,	328.4,	248.8,	-42.2,	-55.2,	4	13.7,	306.8,	285.7,	-52.6,	-40.1,
5	13.7,	275.8,	314.0,	-61.3,	-23.7,	6	13.7,	236.4,	332.7,	-68.2,	-6.6,
7	13.7,	189.9,	341.3,	-73.0,	10.7,	8	13.7,	138.4,	339.6,	-75.7,	28.1,
9	13.7,	101.5,	333.6,	-78.3,	45.9,	10	13.7,	154.2,	341.4,	-90.6,	59.1,
11	13.7,	204.2,	340.1,	-101.3,	71.6,	12	13.7,	248.8,	328.4,	-109.0,	82.2,
13	13.7,	285.7,	306.8,	-113.3,	90.3,	14	13.7,	314.0,	275.8,	-114.2,	95.7,
15	13.7,	332.7,	236.4,	-111.6,	98.1,	16	13.7,	341.3,	189.9,	-105.7,	97.6,
17	13.7,	339.6,	138.4,	-97.3,	94.1,	18	13.7,	333.6,	101.5,	-96.6,	88.5,
19	13.7,	341.4,	154.2,	-136.2,	80.1,	20	13.7,	340.1,	204.2,	-173.7,	68.7,
21	13.7,	328.4,	248.8,	-206.6,	55.2,	22	13.7,	306.8,	285.7,	-233.2,	40.1,
23	13.7,	275.8,	314.0,	-252.7,	23.7,	24	13.7,	236.4,	332.7,	-264.5,	6.6,
25	13.7,	189.9,	341.3,	-268.3,	-10.7,	26	13.7,	138.4,	339.6,	-263.9,	-28.1,
27	13.7,	101.5,	333.6,	-255.3,	-45.9,	28	13.7,	154.2,	341.4,	-250.9,	-59.1,
29	13.7,	204.2,	340.1,	-238.8,	-71.6,	30	13.7,	248.8,	328.4,	-219.5,	-82.2,
31	13.7,	285.7,	306.8,	-193.5,	-90.3,	32	13.7,	314.0,	275.8,	-161.6,	-95.7,
33	13.7,	332.7,	236.4,	-124.8,	-98.1,	34	13.7,	341.3,	189.9,	-84.2,	-97.6,
35	13.7,	339.6,	138.4,	-41.1,	-94.1,	36	13.7,	333.6,	101.5,	-4.9,	-88.5,

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: IDLE5

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-18.7,	-76.1,	2	13.7,	340.1,	204.2,	-32.0,	-64.9,

3	13.7,	328.4,	248.8,	-44.3,	-51.7,	4	13.7,	306.8,	285.7,	-55.2,	-37.0,
5	13.7,	275.8,	314.0,	-64.5,	-21.1,	6	13.7,	236.4,	332.7,	-71.8,	-4.6,
7	13.7,	189.9,	341.3,	-76.9,	12.1,	8	13.7,	138.4,	339.6,	-79.7,	28.8,
9	13.7,	101.5,	333.6,	-82.4,	45.8,	10	13.7,	154.2,	341.4,	-94.6,	58.3,
11	13.7,	204.2,	340.1,	-105.1,	70.1,	12	13.7,	248.8,	328.4,	-112.5,	80.1,
13	13.7,	285.7,	306.8,	-116.4,	87.6,	14	13.7,	314.0,	275.8,	-116.8,	92.5,
15	13.7,	332.7,	236.4,	-113.6,	94.6,	16	13.7,	341.3,	189.9,	-107.0,	93.8,
17	13.7,	339.6,	138.4,	-97.9,	90.1,	18	13.7,	333.6,	101.5,	-96.5,	84.4,
19	13.7,	341.4,	154.2,	-135.4,	76.1,	20	13.7,	340.1,	204.2,	-172.3,	64.9,
21	13.7,	328.4,	248.8,	-204.5,	51.7,	22	13.7,	306.8,	285.7,	-230.5,	37.0,
23	13.7,	275.8,	314.0,	-249.5,	21.1,	24	13.7,	236.4,	332.7,	-260.9,	4.6,
25	13.7,	189.9,	341.3,	-264.4,	-12.1,	26	13.7,	138.4,	339.6,	-259.9,	-28.8,
27	13.7,	101.5,	333.6,	-251.2,	-45.8,	28	13.7,	154.2,	341.4,	-246.8,	-58.3,
29	13.7,	204.2,	340.1,	-235.0,	-70.1,	30	13.7,	248.8,	328.4,	-215.9,	-80.1,
31	13.7,	285.7,	306.8,	-190.3,	-87.6,	32	13.7,	314.0,	275.8,	-159.0,	-92.5,
33	13.7,	332.7,	236.4,	-122.8,	-94.6,	34	13.7,	341.3,	189.9,	-82.9,	-93.8,
35	13.7,	339.6,	138.4,	-40.4,	-90.1,	36	13.7,	333.6,	101.5,	-4.9,	-84.4,

SOURCE ID: IDLE6

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-20.3,	-68.5,	2	13.7,	340.1,	204.2,	-34.8,	-57.7,
3	13.7,	328.4,	248.8,	-48.3,	-45.1,	4	13.7,	306.8,	285.7,	-60.4,	-31.1,
5	13.7,	275.8,	314.0,	-70.6,	-16.2,	6	13.7,	236.4,	332.7,	-78.6,	-0.9,
7	13.7,	189.9,	341.3,	-84.3,	14.6,	8	13.7,	138.4,	339.6,	-87.4,	29.9,
9	13.7,	101.5,	333.6,	-90.2,	45.6,	10	13.7,	154.2,	341.4,	-102.2,	56.8,
11	13.7,	204.2,	340.1,	-112.4,	67.3,	12	13.7,	248.8,	328.4,	-119.1,	76.0,
13	13.7,	285.7,	306.8,	-122.2,	82.5,	14	13.7,	314.0,	275.8,	-121.6,	86.4,
15	13.7,	332.7,	236.4,	-117.4,	87.7,	16	13.7,	341.3,	189.9,	-109.5,	86.4,
17	13.7,	339.6,	138.4,	-99.1,	82.4,	18	13.7,	333.6,	101.5,	-96.3,	76.6,
19	13.7,	341.4,	154.2,	-133.9,	68.5,	20	13.7,	340.1,	204.2,	-169.4,	57.7,
21	13.7,	328.4,	248.8,	-200.4,	45.1,	22	13.7,	306.8,	285.7,	-225.3,	31.1,
23	13.7,	275.8,	314.0,	-243.4,	16.2,	24	13.7,	236.4,	332.7,	-254.1,	0.9,
25	13.7,	189.9,	341.3,	-257.0,	-14.6,	26	13.7,	138.4,	339.6,	-252.2,	-29.9,
27	13.7,	101.5,	333.6,	-243.4,	-45.6,	28	13.7,	154.2,	341.4,	-239.2,	-56.8,
29	13.7,	204.2,	340.1,	-227.7,	-67.3,	30	13.7,	248.8,	328.4,	-209.3,	-76.0,
31	13.7,	285.7,	306.8,	-184.5,	-82.5,	32	13.7,	314.0,	275.8,	-154.1,	-86.4,
33	13.7,	332.7,	236.4,	-119.1,	-87.7,	34	13.7,	341.3,	189.9,	-80.4,	-86.4,
35	13.7,	339.6,	138.4,	-39.3,	-82.4,	36	13.7,	333.6,	101.5,	-5.1,	-76.6,

SOURCE ID: IDLE7

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-21.2,	-64.6,	2	13.7,	340.1,	204.2,	-36.4,	-53.9,
3	13.7,	328.4,	248.8,	-50.5,	-41.7,	4	13.7,	306.8,	285.7,	-63.1,	-28.2,
5	13.7,	275.8,	314.0,	-73.8,	-13.8,	6	13.7,	236.4,	332.7,	-82.2,	1.0,
7	13.7,	189.9,	341.3,	-88.1,	15.8,	8	13.7,	138.4,	339.6,	-91.4,	30.4,
9	13.7,	101.5,	333.6,	-94.2,	45.4,	10	13.7,	154.2,	341.4,	-106.1,	55.9,
11	13.7,	204.2,	340.1,	-116.1,	65.7,	12	13.7,	248.8,	328.4,	-122.5,	73.8,
13	13.7,	285.7,	306.8,	-125.2,	79.7,	14	13.7,	314.0,	275.8,	-124.1,	83.2,
15	13.7,	332.7,	236.4,	-119.2,	84.1,	16	13.7,	341.3,	189.9,	-110.7,	82.5,
17	13.7,	339.6,	138.4,	-99.6,	78.4,	18	13.7,	333.6,	101.5,	-96.1,	72.6,
19	13.7,	341.4,	154.2,	-133.0,	64.6,	20	13.7,	340.1,	204.2,	-167.8,	53.9,
21	13.7,	328.4,	248.8,	-198.2,	41.7,	22	13.7,	306.8,	285.7,	-222.6,	28.2,
23	13.7,	275.8,	314.0,	-240.2,	13.8,	24	13.7,	236.4,	332.7,	-250.5,	-1.0,
25	13.7,	189.9,	341.3,	-253.2,	-15.8,	26	13.7,	138.4,	339.6,	-248.2,	-30.4,
27	13.7,	101.5,	333.6,	-239.4,	-45.4,	28	13.7,	154.2,	341.4,	-235.3,	-55.9,
29	13.7,	204.2,	340.1,	-224.0,	-65.7,	30	13.7,	248.8,	328.4,	-205.9,	-73.8,
31	13.7,	285.7,	306.8,	-181.6,	-79.7,	32	13.7,	314.0,	275.8,	-151.7,	-83.2,
33	13.7,	332.7,	236.4,	-117.2,	-84.1,	34	13.7,	341.3,	189.9,	-79.2,	-82.5,
35	13.7,	339.6,	138.4,	-38.8,	-78.4,	36	13.7,	333.6,	101.5,	-5.3,	-72.6,

SOURCE ID: IDLE8

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-21.9,	-60.8,	2	13.7,	340.1,	204.2,	-37.8,	-50.4,

3	13.7,	328.4,	248.8,	-52.5,	-38.4,	4	13.7,	306.8,	285.7,	-65.6,	-25.3,
5	13.7,	275.8,	314.0,	-76.7,	-11.4,	6	13.7,	236.4,	332.7,	-85.5,	2.8,
7	13.7,	189.9,	341.3,	-91.7,	17.0,	8	13.7,	138.4,	339.6,	-95.2,	31.0,
9	13.7,	101.5,	333.6,	-98.0,	45.4,	10	13.7,	154.2,	341.4,	-109.9,	55.2,
11	13.7,	204.2,	340.1,	-119.6,	64.4,	12	13.7,	248.8,	328.4,	-125.8,	71.9,
13	13.7,	285.7,	306.8,	-128.1,	77.2,	14	13.7,	314.0,	275.8,	-126.5,	80.2,
15	13.7,	332.7,	236.4,	-121.1,	80.8,	16	13.7,	341.3,	189.9,	-112.0,	78.9,
17	13.7,	339.6,	138.4,	-100.2,	74.6,	18	13.7,	333.6,	101.5,	-96.1,	68.8,
19	13.7,	341.4,	154.2,	-132.3,	60.8,	20	13.7,	340.1,	204.2,	-166.5,	50.4,
21	13.7,	328.4,	248.8,	-196.3,	38.4,	22	13.7,	306.8,	285.7,	-220.1,	25.3,
23	13.7,	275.8,	314.0,	-237.2,	11.4,	24	13.7,	236.4,	332.7,	-247.2,	-2.8,
25	13.7,	189.9,	341.3,	-249.6,	-17.0,	26	13.7,	138.4,	339.6,	-244.4,	-31.0,
27	13.7,	101.5,	333.6,	-235.6,	-45.4,	28	13.7,	154.2,	341.4,	-231.5,	-55.2,
29	13.7,	204.2,	340.1,	-220.4,	-64.4,	30	13.7,	248.8,	328.4,	-202.6,	-71.9,
31	13.7,	285.7,	306.8,	-178.7,	-77.2,	32	13.7,	314.0,	275.8,	-149.3,	-80.2,
33	13.7,	332.7,	236.4,	-115.4,	-80.8,	34	13.7,	341.3,	189.9,	-78.0,	-78.9,
35	13.7,	339.6,	138.4,	-38.1,	-74.6,	36	13.7,	333.6,	101.5,	-5.4,	-68.8,

\*\*\* AERMOD - VERSION 23132 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\15639  
Spreckels\15639 Ops HRA\1 \*\*\*      09/20/24  
\*\*\* AERMET - VERSION 21112 \*\*\*  
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\*\*\* MODELOPTs:      RegDFAULT    CONC    ELEV    URBAN    ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: IDLE9

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-22.7,	-56.9,	2	13.7,	340.1,	204.2,	-39.3,	-46.7,
3	13.7,	328.4,	248.8,	-54.6,	-35.0,	4	13.7,	306.8,	285.7,	-68.3,	-22.3,
5	13.7,	275.8,	314.0,	-79.9,	-8.9,	6	13.7,	236.4,	332.7,	-89.1,	4.7,
7	13.7,	189.9,	341.3,	-95.5,	18.2,	8	13.7,	138.4,	339.6,	-99.1,	31.6,
9	13.7,	101.5,	333.6,	-102.0,	45.2,	10	13.7,	154.2,	341.4,	-113.8,	54.3,
11	13.7,	204.2,	340.1,	-123.3,	62.9,	12	13.7,	248.8,	328.4,	-129.2,	69.8,
13	13.7,	285.7,	306.8,	-131.0,	74.6,	14	13.7,	314.0,	275.8,	-129.0,	77.1,
15	13.7,	332.7,	236.4,	-122.9,	77.3,	16	13.7,	341.3,	189.9,	-113.2,	75.1,
17	13.7,	339.6,	138.4,	-100.8,	70.7,	18	13.7,	333.6,	101.5,	-96.0,	64.8,
19	13.7,	341.4,	154.2,	-131.4,	56.9,	20	13.7,	340.1,	204.2,	-165.0,	46.7,
21	13.7,	328.4,	248.8,	-194.2,	35.0,	22	13.7,	306.8,	285.7,	-217.4,	22.3,
23	13.7,	275.8,	314.0,	-234.1,	8.9,	24	13.7,	236.4,	332.7,	-243.6,	-4.7,
25	13.7,	189.9,	341.3,	-245.8,	-18.2,	26	13.7,	138.4,	339.6,	-240.5,	-31.6,
27	13.7,	101.5,	333.6,	-231.6,	-45.2,	28	13.7,	154.2,	341.4,	-227.6,	-54.3,
29	13.7,	204.2,	340.1,	-216.7,	-62.9,	30	13.7,	248.8,	328.4,	-199.2,	-69.8,
31	13.7,	285.7,	306.8,	-175.7,	-74.6,	32	13.7,	314.0,	275.8,	-146.8,	-77.1,
33	13.7,	332.7,	236.4,	-113.5,	-77.3,	34	13.7,	341.3,	189.9,	-76.7,	-75.1,
35	13.7,	339.6,	138.4,	-37.6,	-70.7,	36	13.7,	333.6,	101.5,	-5.5,	-64.8,

SOURCE ID: IDLE10

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-23.5,	-52.9,	2	13.7,	340.1,	204.2,	-40.7,	-42.9,
3	13.7,	328.4,	248.8,	-56.7,	-31.5,	4	13.7,	306.8,	285.7,	-70.9,	-19.2,
5	13.7,	275.8,	314.0,	-83.0,	-6.3,	6	13.7,	236.4,	332.7,	-92.6,	6.7,
7	13.7,	189.9,	341.3,	-99.4,	19.6,	8	13.7,	138.4,	339.6,	-103.1,	32.2,
9	13.7,	101.5,	333.6,	-106.1,	45.2,	10	13.7,	154.2,	341.4,	-117.8,	53.6,
11	13.7,	204.2,	340.1,	-127.2,	61.4,	12	13.7,	248.8,	328.4,	-132.7,	67.7,
13	13.7,	285.7,	306.8,	-134.2,	71.9,	14	13.7,	314.0,	275.8,	-131.5,	73.9,
15	13.7,	332.7,	236.4,	-124.9,	73.7,	16	13.7,	341.3,	189.9,	-114.5,	71.3,
17	13.7,	339.6,	138.4,	-101.4,	66.6,	18	13.7,	333.6,	101.5,	-95.9,	60.7,
19	13.7,	341.4,	154.2,	-130.7,	52.9,	20	13.7,	340.1,	204.2,	-163.6,	42.9,
21	13.7,	328.4,	248.8,	-192.1,	31.5,	22	13.7,	306.8,	285.7,	-214.8,	19.2,
23	13.7,	275.8,	314.0,	-230.9,	6.3,	24	13.7,	236.4,	332.7,	-240.1,	-6.7,
25	13.7,	189.9,	341.3,	-241.9,	-19.6,	26	13.7,	138.4,	339.6,	-236.4,	-32.2,

27	13.7,	101.5,	333.6,	-227.5,	-45.2,	28	13.7,	154.2,	341.4,	-223.6,	-53.6,
29	13.7,	204.2,	340.1,	-212.9,	-61.4,	30	13.7,	248.8,	328.4,	-195.7,	-67.7,
31	13.7,	285.7,	306.8,	-172.6,	-71.9,	32	13.7,	314.0,	275.8,	-144.2,	-73.9,
33	13.7,	332.7,	236.4,	-111.5,	-73.7,	34	13.7,	341.3,	189.9,	-75.3,	-71.3,
35	13.7,	339.6,	138.4,	-36.9,	-66.6,	36	13.7,	333.6,	101.5,	-5.5,	-60.7,

SOURCE ID: IDLE11

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-24.3,	-49.0,	2	13.7,	340.1,	204.2,	-42.2,	-39.2,
3	13.7,	328.4,	248.8,	-58.8,	-28.2,	4	13.7,	306.8,	285.7,	-73.6,	-16.3,
5	13.7,	275.8,	314.0,	-86.2,	-4.0,	6	13.7,	236.4,	332.7,	-96.1,	8.5,
7	13.7,	189.9,	341.3,	-103.2,	20.8,	8	13.7,	138.4,	339.6,	-107.1,	32.8,
9	13.7,	101.5,	333.6,	-110.0,	45.0,	10	13.7,	154.2,	341.4,	-121.6,	52.7,
11	13.7,	204.2,	340.1,	-130.8,	59.9,	12	13.7,	248.8,	328.4,	-136.0,	65.6,
13	13.7,	285.7,	306.8,	-137.0,	69.2,	14	13.7,	314.0,	275.8,	-133.9,	70.8,
15	13.7,	332.7,	236.4,	-126.8,	70.2,	16	13.7,	341.3,	189.9,	-115.7,	67.5,
17	13.7,	339.6,	138.4,	-101.9,	62.7,	18	13.7,	333.6,	101.5,	-95.7,	56.8,
19	13.7,	341.4,	154.2,	-129.8,	49.0,	20	13.7,	340.1,	204.2,	-162.0,	39.2,
21	13.7,	328.4,	248.8,	-189.9,	28.2,	22	13.7,	306.8,	285.7,	-212.1,	16.3,
23	13.7,	275.8,	314.0,	-227.8,	4.0,	24	13.7,	236.4,	332.7,	-236.6,	-8.5,
25	13.7,	189.9,	341.3,	-238.2,	-20.8,	26	13.7,	138.4,	339.6,	-232.5,	-32.8,
27	13.7,	101.5,	333.6,	-223.6,	-45.0,	28	13.7,	154.2,	341.4,	-219.8,	-52.7,
29	13.7,	204.2,	340.1,	-209.3,	-59.9,	30	13.7,	248.8,	328.4,	-192.4,	-65.6,
31	13.7,	285.7,	306.8,	-169.7,	-69.2,	32	13.7,	314.0,	275.8,	-141.9,	-70.8,
33	13.7,	332.7,	236.4,	-109.7,	-70.2,	34	13.7,	341.3,	189.9,	-74.2,	-67.5,
35	13.7,	339.6,	138.4,	-36.4,	-62.7,	36	13.7,	333.6,	101.5,	-5.7,	-56.8,

SOURCE ID: IDLE12

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-25.1,	-45.1,	2	13.7,	340.1,	204.2,	-43.7,	-35.5,
3	13.7,	328.4,	248.8,	-60.9,	-24.8,	4	13.7,	306.8,	285.7,	-76.3,	-13.3,
5	13.7,	275.8,	314.0,	-89.3,	-1.5,	6	13.7,	236.4,	332.7,	-99.6,	10.5,
7	13.7,	189.9,	341.3,	-107.0,	22.1,	8	13.7,	138.4,	339.6,	-111.0,	33.3,
9	13.7,	101.5,	333.6,	-114.0,	44.9,	10	13.7,	154.2,	341.4,	-125.6,	51.9,
11	13.7,	204.2,	340.1,	-134.5,	58.4,	12	13.7,	248.8,	328.4,	-139.4,	63.5,
13	13.7,	285.7,	306.8,	-140.1,	66.6,	14	13.7,	314.0,	275.8,	-136.4,	67.7,
15	13.7,	332.7,	236.4,	-128.7,	66.7,	16	13.7,	341.3,	189.9,	-117.0,	63.7,
17	13.7,	339.6,	138.4,	-102.5,	58.8,	18	13.7,	333.6,	101.5,	-95.6,	52.8,
19	13.7,	341.4,	154.2,	-129.0,	45.1,	20	13.7,	340.1,	204.2,	-160.6,	35.5,
21	13.7,	328.4,	248.8,	-187.9,	24.8,	22	13.7,	306.8,	285.7,	-209.4,	13.3,
23	13.7,	275.8,	314.0,	-224.7,	1.5,	24	13.7,	236.4,	332.7,	-233.1,	-10.5,
25	13.7,	189.9,	341.3,	-234.4,	-22.1,	26	13.7,	138.4,	339.6,	-228.6,	-33.3,
27	13.7,	101.5,	333.6,	-219.6,	-44.9,	28	13.7,	154.2,	341.4,	-215.8,	-51.9,
29	13.7,	204.2,	340.1,	-205.5,	-58.4,	30	13.7,	248.8,	328.4,	-189.0,	-63.5,
31	13.7,	285.7,	306.8,	-166.7,	-66.6,	32	13.7,	314.0,	275.8,	-139.3,	-67.7,
33	13.7,	332.7,	236.4,	-107.8,	-66.7,	34	13.7,	341.3,	189.9,	-72.9,	-63.7,
35	13.7,	339.6,	138.4,	-35.8,	-58.8,	36	13.7,	333.6,	101.5,	-5.8,	-52.8,

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\*\*\* AERMET - VERSION 21112 \*\*\*

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: IDLE13

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-29.7,	-22.0,	2	13.7,	340.1,	204.2,	-52.2,	-13.5,
3	13.7,	328.4,	248.8,	-73.1,	-4.6,	4	13.7,	306.8,	285.7,	-91.8,	4.4,
5	13.7,	275.8,	314.0,	-107.7,	13.3,	6	13.7,	236.4,	332.7,	-120.3,	21.8,

7	13.7,	189.9,	341.3,	-129.3,	29.6,	8	13.7,	138.4,	339.6,	-134.3,	36.9,
9	13.7,	101.5,	333.6,	-137.6,	44.4,	10	13.7,	154.2,	341.4,	-148.7,	47.3,
11	13.7,	204.2,	340.1,	-156.5,	49.9,	12	13.7,	248.8,	328.4,	-159.6,	51.2,
13	13.7,	285.7,	306.8,	-157.8,	51.0,	14	13.7,	314.0,	275.8,	-151.2,	49.3,
15	13.7,	332.7,	236.4,	-140.0,	46.0,	16	13.7,	341.3,	189.9,	-124.6,	41.4,
17	13.7,	339.6,	138.4,	-106.1,	35.4,	18	13.7,	333.6,	101.5,	-95.1,	29.2,
19	13.7,	341.4,	154.2,	-124.4,	22.0,	20	13.7,	340.1,	204.2,	-152.0,	13.5,
21	13.7,	328.4,	248.8,	-175.6,	4.6,	22	13.7,	306.8,	285.7,	-193.9,	-4.4,
23	13.7,	275.8,	314.0,	-206.3,	-13.3,	24	13.7,	236.4,	332.7,	-212.4,	-21.8,
25	13.7,	189.9,	341.3,	-212.0,	-29.6,	26	13.7,	138.4,	339.6,	-205.2,	-36.9,
27	13.7,	101.5,	333.6,	-196.0,	-44.4,	28	13.7,	154.2,	341.4,	-192.7,	-47.3,
29	13.7,	204.2,	340.1,	-183.6,	-49.9,	30	13.7,	248.8,	328.4,	-168.8,	-51.2,
31	13.7,	285.7,	306.8,	-149.0,	-51.0,	32	13.7,	314.0,	275.8,	-124.6,	-49.3,
33	13.7,	332.7,	236.4,	-96.4,	-46.0,	34	13.7,	341.3,	189.9,	-65.3,	-41.4,
35	13.7,	339.6,	138.4,	-32.2,	-35.4,	36	13.7,	333.6,	101.5,	-6.3,	-29.2,

SOURCE ID: IDLE14

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-30.6,	-18.2,	2	13.7,	340.1,	204.2,	-53.8,	-9.9,
3	13.7,	328.4,	248.8,	-75.3,	-1.3,	4	13.7,	306.8,	285.7,	-94.5,	7.3,
5	13.7,	275.8,	314.0,	-110.8,	15.7,	6	13.7,	236.4,	332.7,	-123.8,	23.6,
7	13.7,	189.9,	341.3,	-133.1,	30.8,	8	13.7,	138.4,	339.6,	-138.2,	37.4,
9	13.7,	101.5,	333.6,	-141.5,	44.2,	10	13.7,	154.2,	341.4,	-152.6,	46.5,
11	13.7,	204.2,	340.1,	-160.2,	48.4,	12	13.7,	248.8,	328.4,	-162.9,	49.1,
13	13.7,	285.7,	306.8,	-160.7,	48.4,	14	13.7,	314.0,	275.8,	-153.6,	46.1,
15	13.7,	332.7,	236.4,	-141.8,	42.5,	16	13.7,	341.3,	189.9,	-125.7,	37.6,
17	13.7,	339.6,	138.4,	-106.6,	31.5,	18	13.7,	333.6,	101.5,	-94.9,	25.2,
19	13.7,	341.4,	154.2,	-123.5,	18.2,	20	13.7,	340.1,	204.2,	-150.5,	9.9,
21	13.7,	328.4,	248.8,	-173.5,	1.3,	22	13.7,	306.8,	285.7,	-191.2,	-7.3,
23	13.7,	275.8,	314.0,	-203.1,	-15.7,	24	13.7,	236.4,	332.7,	-208.9,	-23.6,
25	13.7,	189.9,	341.3,	-208.3,	-30.8,	26	13.7,	138.4,	339.6,	-201.3,	-37.4,
27	13.7,	101.5,	333.6,	-192.1,	-44.2,	28	13.7,	154.2,	341.4,	-188.9,	-46.5,
29	13.7,	204.2,	340.1,	-179.9,	-48.4,	30	13.7,	248.8,	328.4,	-165.5,	-49.1,
31	13.7,	285.7,	306.8,	-146.1,	-48.4,	32	13.7,	314.0,	275.8,	-122.2,	-46.1,
33	13.7,	332.7,	236.4,	-94.6,	-42.5,	34	13.7,	341.3,	189.9,	-64.1,	-37.6,
35	13.7,	339.6,	138.4,	-31.7,	-31.5,	36	13.7,	333.6,	101.5,	-6.5,	-25.2,

SOURCE ID: IDLE15

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-31.4,	-14.2,	2	13.7,	340.1,	204.2,	-55.2,	-6.2,
3	13.7,	328.4,	248.8,	-77.3,	2.1,	4	13.7,	306.8,	285.7,	-97.1,	10.3,
5	13.7,	275.8,	314.0,	-114.0,	18.2,	6	13.7,	236.4,	332.7,	-127.3,	25.5,
7	13.7,	189.9,	341.3,	-136.8,	32.1,	8	13.7,	138.4,	339.6,	-142.2,	38.0,
9	13.7,	101.5,	333.6,	-145.5,	44.1,	10	13.7,	154.2,	341.4,	-156.5,	45.7,
11	13.7,	204.2,	340.1,	-163.9,	46.9,	12	13.7,	248.8,	328.4,	-166.3,	47.0,
13	13.7,	285.7,	306.8,	-163.7,	45.7,	14	13.7,	314.0,	275.8,	-156.1,	43.0,
15	13.7,	332.7,	236.4,	-143.7,	39.0,	16	13.7,	341.3,	189.9,	-127.0,	33.8,
17	13.7,	339.6,	138.4,	-107.2,	27.6,	18	13.7,	333.6,	101.5,	-94.8,	21.3,
19	13.7,	341.4,	154.2,	-122.8,	14.2,	20	13.7,	340.1,	204.2,	-149.1,	6.2,
21	13.7,	328.4,	248.8,	-171.4,	-2.1,	22	13.7,	306.8,	285.7,	-188.6,	-10.3,
23	13.7,	275.8,	314.0,	-200.0,	-18.2,	24	13.7,	236.4,	332.7,	-205.4,	-25.5,
25	13.7,	189.9,	341.3,	-204.5,	-32.1,	26	13.7,	138.4,	339.6,	-197.4,	-38.0,
27	13.7,	101.5,	333.6,	-188.1,	-44.1,	28	13.7,	154.2,	341.4,	-184.9,	-45.7,
29	13.7,	204.2,	340.1,	-176.2,	-46.9,	30	13.7,	248.8,	328.4,	-162.1,	-47.0,
31	13.7,	285.7,	306.8,	-143.1,	-45.7,	32	13.7,	314.0,	275.8,	-119.7,	-43.0,
33	13.7,	332.7,	236.4,	-92.7,	-39.0,	34	13.7,	341.3,	189.9,	-62.9,	-33.8,
35	13.7,	339.6,	138.4,	-31.1,	-27.6,	36	13.7,	333.6,	101.5,	-6.6,	-21.3,

SOURCE ID: IDLE16

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-26.5,	-37.6,	2	13.7,	340.1,	204.2,	-46.4,	-28.3,
3	13.7,	328.4,	248.8,	-64.8,	-18.2,	4	13.7,	306.8,	285.7,	-81.2,	-7.5,
5	13.7,	275.8,	314.0,	-95.2,	3.4,	6	13.7,	236.4,	332.7,	-106.3,	14.2,



7	13.7,	189.9,	341.3,	-114.2,	24.6,	8	13.7,	138.4,	339.6,	-118.6,	34.6,
9	13.7,	101.5,	333.6,	-121.7,	44.8,	10	13.7,	154.2,	341.4,	-133.1,	50.5,
11	13.7,	204.2,	340.1,	-141.7,	55.8,	12	13.7,	248.8,	328.4,	-146.0,	59.6,
13	13.7,	285.7,	306.8,	-145.9,	61.6,	14	13.7,	314.0,	275.8,	-141.3,	61.8,
15	13.7,	332.7,	236.4,	-132.4,	60.0,	16	13.7,	341.3,	189.9,	-119.5,	56.5,
17	13.7,	339.6,	138.4,	-103.8,	51.2,	18	13.7,	333.6,	101.5,	-95.5,	45.1,
19	13.7,	341.4,	154.2,	-127.6,	37.6,	20	13.7,	340.1,	204.2,	-157.9,	28.3,
21	13.7,	328.4,	248.8,	-184.0,	18.2,	22	13.7,	306.8,	285.7,	-204.5,	7.5,
23	13.7,	275.8,	314.0,	-218.8,	-3.4,	24	13.7,	236.4,	332.7,	-226.4,	-14.2,
25	13.7,	189.9,	341.3,	-227.1,	-24.6,	26	13.7,	138.4,	339.6,	-221.0,	-34.6,
27	13.7,	101.5,	333.6,	-211.9,	-44.8,	28	13.7,	154.2,	341.4,	-208.3,	-50.5,
29	13.7,	204.2,	340.1,	-198.4,	-55.8,	30	13.7,	248.8,	328.4,	-182.4,	-59.6,
31	13.7,	285.7,	306.8,	-160.9,	-61.6,	32	13.7,	314.0,	275.8,	-134.5,	-61.8,
33	13.7,	332.7,	236.4,	-104.0,	-60.0,	34	13.7,	341.3,	189.9,	-70.4,	-56.5,
35	13.7,	339.6,	138.4,	-34.6,	-51.2,	36	13.7,	333.6,	101.5,	-5.9,	-45.1,

\*\*\* AERMOD - VERSION 23132 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\15639  
Spreckels\15639 Ops HRA\1 \*\*\*      09/20/24

\*\*\* AERMET - VERSION 21112 \*\*\*  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: IDLE17

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-27.4,	-33.7,	2	13.7,	340.1,	204.2,	-47.9,	-24.6,
3	13.7,	328.4,	248.8,	-67.0,	-14.8,	4	13.7,	306.8,	285.7,	-84.0,	-4.6,
5	13.7,	275.8,	314.0,	-98.4,	5.8,	6	13.7,	236.4,	332.7,	-109.9,	16.0,
7	13.7,	189.9,	341.3,	-118.0,	25.8,	8	13.7,	138.4,	339.6,	-122.6,	35.1,
9	13.7,	101.5,	333.6,	-125.7,	44.6,	10	13.7,	154.2,	341.4,	-137.0,	49.6,
11	13.7,	204.2,	340.1,	-145.4,	54.2,	12	13.7,	248.8,	328.4,	-149.4,	57.4,
13	13.7,	285.7,	306.8,	-148.8,	58.9,	14	13.7,	314.0,	275.8,	-143.7,	58.5,
15	13.7,	332.7,	236.4,	-134.3,	56.4,	16	13.7,	341.3,	189.9,	-120.7,	52.6,
17	13.7,	339.6,	138.4,	-104.3,	47.2,	18	13.7,	333.6,	101.5,	-95.3,	41.1,
19	13.7,	341.4,	154.2,	-126.7,	33.7,	20	13.7,	340.1,	204.2,	-156.3,	24.6,
21	13.7,	328.4,	248.8,	-181.8,	14.8,	22	13.7,	306.8,	285.7,	-201.7,	4.6,
23	13.7,	275.8,	314.0,	-215.5,	-5.8,	24	13.7,	236.4,	332.7,	-222.8,	-16.0,
25	13.7,	189.9,	341.3,	-223.3,	-25.8,	26	13.7,	138.4,	339.6,	-217.0,	-35.1,
27	13.7,	101.5,	333.6,	-207.9,	-44.6,	28	13.7,	154.2,	341.4,	-204.4,	-49.6,
29	13.7,	204.2,	340.1,	-194.7,	-54.2,	30	13.7,	248.8,	328.4,	-179.0,	-57.4,
31	13.7,	285.7,	306.8,	-157.9,	-58.9,	32	13.7,	314.0,	275.8,	-132.1,	-58.5,
33	13.7,	332.7,	236.4,	-102.2,	-56.4,	34	13.7,	341.3,	189.9,	-69.2,	-52.6,
35	13.7,	339.6,	138.4,	-34.1,	-47.2,	36	13.7,	333.6,	101.5,	-6.1,	-41.1,

SOURCE ID: IDLE18

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-28.2,	-29.9,	2	13.7,	340.1,	204.2,	-49.3,	-21.1,
3	13.7,	328.4,	248.8,	-68.9,	-11.5,	4	13.7,	306.8,	285.7,	-86.5,	-1.7,
5	13.7,	275.8,	314.0,	-101.4,	8.2,	6	13.7,	236.4,	332.7,	-113.2,	17.9,
7	13.7,	189.9,	341.3,	-121.6,	27.0,	8	13.7,	138.4,	339.6,	-126.3,	35.7,
9	13.7,	101.5,	333.6,	-129.5,	44.6,	10	13.7,	154.2,	341.4,	-140.8,	48.9,
11	13.7,	204.2,	340.1,	-149.0,	52.8,	12	13.7,	248.8,	328.4,	-152.7,	55.4,
13	13.7,	285.7,	306.8,	-151.7,	56.4,	14	13.7,	314.0,	275.8,	-146.1,	55.6,
15	13.7,	332.7,	236.4,	-136.1,	53.1,	16	13.7,	341.3,	189.9,	-122.0,	49.0,
17	13.7,	339.6,	138.4,	-104.9,	43.4,	18	13.7,	333.6,	101.5,	-95.3,	37.3,
19	13.7,	341.4,	154.2,	-126.0,	29.9,	20	13.7,	340.1,	204.2,	-155.0,	21.1,
21	13.7,	328.4,	248.8,	-179.8,	11.5,	22	13.7,	306.8,	285.7,	-199.2,	1.7,
23	13.7,	275.8,	314.0,	-212.6,	-8.2,	24	13.7,	236.4,	332.7,	-219.5,	-17.9,
25	13.7,	189.9,	341.3,	-219.7,	-27.0,	26	13.7,	138.4,	339.6,	-213.2,	-35.7,
27	13.7,	101.5,	333.6,	-204.1,	-44.6,	28	13.7,	154.2,	341.4,	-200.6,	-48.9,
29	13.7,	204.2,	340.1,	-191.1,	-52.8,	30	13.7,	248.8,	328.4,	-175.7,	-55.4,

31	13.7,	285.7,	306.8,	-155.1,	-56.4,	32	13.7,	314.0,	275.8,	-129.7,	-55.6,
33	13.7,	332.7,	236.4,	-100.3,	-53.1,	34	13.7,	341.3,	189.9,	-67.9,	-49.0,
35	13.7,	339.6,	138.4,	-33.5,	-43.4,	36	13.7,	333.6,	101.5,	-6.2,	-37.3,

SOURCE ID: IDLE19

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-29.0,	-26.0,	2	13.7,	340.1,	204.2,	-50.8,	-17.3,
3	13.7,	328.4,	248.8,	-71.0,	-8.2,	4	13.7,	306.8,	285.7,	-89.1,	1.3,
5	13.7,	275.8,	314.0,	-104.5,	10.7,	6	13.7,	236.4,	332.7,	-116.8,	19.8,
7	13.7,	189.9,	341.3,	-125.4,	28.3,	8	13.7,	138.4,	339.6,	-130.3,	36.3,
9	13.7,	101.5,	333.6,	-133.5,	44.4,	10	13.7,	154.2,	341.4,	-144.7,	48.1,
11	13.7,	204.2,	340.1,	-152.7,	51.3,	12	13.7,	248.8,	328.4,	-156.1,	53.3,
13	13.7,	285.7,	306.8,	-154.7,	53.7,	14	13.7,	314.0,	275.8,	-148.6,	52.4,
15	13.7,	332.7,	236.4,	-138.0,	49.6,	16	13.7,	341.3,	189.9,	-123.2,	45.2,
17	13.7,	339.6,	138.4,	-105.4,	39.5,	18	13.7,	333.6,	101.5,	-95.1,	33.3,
19	13.7,	341.4,	154.2,	-125.2,	26.0,	20	13.7,	340.1,	204.2,	-153.5,	17.3,
21	13.7,	328.4,	248.8,	-177.7,	8.2,	22	13.7,	306.8,	285.7,	-196.6,	-1.3,
23	13.7,	275.8,	314.0,	-209.4,	-10.7,	24	13.7,	236.4,	332.7,	-215.9,	-19.8,
25	13.7,	189.9,	341.3,	-215.9,	-28.3,	26	13.7,	138.4,	339.6,	-209.3,	-36.3,
27	13.7,	101.5,	333.6,	-200.1,	-44.4,	28	13.7,	154.2,	341.4,	-196.7,	-48.1,
29	13.7,	204.2,	340.1,	-187.4,	-51.3,	30	13.7,	248.8,	328.4,	-172.3,	-53.3,
31	13.7,	285.7,	306.8,	-152.1,	-53.7,	32	13.7,	314.0,	275.8,	-127.2,	-52.4,
33	13.7,	332.7,	236.4,	-98.4,	-49.6,	34	13.7,	341.3,	189.9,	-66.7,	-45.2,
35	13.7,	339.6,	138.4,	-32.9,	-39.5,	36	13.7,	333.6,	101.5,	-6.3,	-33.3,

SOURCE ID: IDLE20

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-36.1,	9.1,	2	13.7,	340.1,	204.2,	-63.9,	16.0,
3	13.7,	328.4,	248.8,	-89.8,	22.4,	4	13.7,	306.8,	285.7,	-112.9,	28.2,
5	13.7,	275.8,	314.0,	-132.6,	33.0,	6	13.7,	236.4,	332.7,	-148.3,	36.9,
7	13.7,	189.9,	341.3,	-159.5,	39.7,	8	13.7,	138.4,	339.6,	-165.8,	41.6,
9	13.7,	101.5,	333.6,	-169.4,	43.5,	10	13.7,	154.2,	341.4,	-179.8,	41.0,
11	13.7,	204.2,	340.1,	-186.1,	38.2,	12	13.7,	248.8,	328.4,	-186.7,	34.6,
13	13.7,	285.7,	306.8,	-181.6,	29.9,	14	13.7,	314.0,	275.8,	-170.9,	24.4,
15	13.7,	332.7,	236.4,	-155.1,	18.1,	16	13.7,	341.3,	189.9,	-134.6,	11.2,
17	13.7,	339.6,	138.4,	-110.8,	4.0,	18	13.7,	333.6,	101.5,	-94.2,	-2.6,
19	13.7,	341.4,	154.2,	-118.0,	-9.1,	20	13.7,	340.1,	204.2,	-140.3,	-16.0,
21	13.7,	328.4,	248.8,	-159.0,	-22.4,	22	13.7,	306.8,	285.7,	-172.8,	-28.2,
23	13.7,	275.8,	314.0,	-181.4,	-33.0,	24	13.7,	236.4,	332.7,	-184.4,	-36.9,
25	13.7,	189.9,	341.3,	-181.9,	-39.7,	26	13.7,	138.4,	339.6,	-173.8,	-41.6,
27	13.7,	101.5,	333.6,	-164.2,	-43.5,	28	13.7,	154.2,	341.4,	-161.6,	-41.0,
29	13.7,	204.2,	340.1,	-154.0,	-38.2,	30	13.7,	248.8,	328.4,	-141.8,	-34.6,
31	13.7,	285.7,	306.8,	-125.2,	-29.9,	32	13.7,	314.0,	275.8,	-104.8,	-24.4,
33	13.7,	332.7,	236.4,	-81.3,	-18.1,	34	13.7,	341.3,	189.9,	-55.3,	-11.2,
35	13.7,	339.6,	138.4,	-27.6,	-4.0,	36	13.7,	333.6,	101.5,	-7.2,	2.6,

\*\*\* AERMOD - VERSION 23132 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\15639  
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 \*\*\* AERMET - VERSION 21112 \*\*\*  
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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    URBAN    ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: IDLE21

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-37.0,	13.0,	2	13.7,	340.1,	204.2,	-65.4,	19.7,
3	13.7,	328.4,	248.8,	-91.9,	25.8,	4	13.7,	306.8,	285.7,	-115.6,	31.1,
5	13.7,	275.8,	314.0,	-135.7,	35.4,	6	13.7,	236.4,	332.7,	-151.8,	38.7,
7	13.7,	189.9,	341.3,	-163.2,	40.8,	8	13.7,	138.4,	339.6,	-169.7,	42.1,
9	13.7,	101.5,	333.6,	-173.3,	43.3,	10	13.7,	154.2,	341.4,	-183.7,	40.1,

11	13.7,	204.2,	340.1,	-189.7,	36.7,	12	13.7,	248.8,	328.4,	-190.0,	32.5,
13	13.7,	285.7,	306.8,	-184.5,	27.3,	14	13.7,	314.0,	275.8,	-173.3,	21.2,
15	13.7,	332.7,	236.4,	-157.0,	14.6,	16	13.7,	341.3,	189.9,	-135.8,	7.5,
17	13.7,	339.6,	138.4,	-111.3,	0.1,	18	13.7,	333.6,	101.5,	-94.0,	-6.5,
19	13.7,	341.4,	154.2,	-117.2,	-13.0,	20	13.7,	340.1,	204.2,	-138.8,	-19.7,
21	13.7,	328.4,	248.8,	-156.9,	-25.8,	22	13.7,	306.8,	285.7,	-170.1,	-31.1,
23	13.7,	275.8,	314.0,	-178.2,	-35.4,	24	13.7,	236.4,	332.7,	-180.9,	-38.7,
25	13.7,	189.9,	341.3,	-178.1,	-40.8,	26	13.7,	138.4,	339.6,	-169.9,	-42.1,
27	13.7,	101.5,	333.6,	-160.3,	-43.3,	28	13.7,	154.2,	341.4,	-157.7,	-40.1,
29	13.7,	204.2,	340.1,	-150.4,	-36.7,	30	13.7,	248.8,	328.4,	-138.4,	-32.5,
31	13.7,	285.7,	306.8,	-122.3,	-27.3,	32	13.7,	314.0,	275.8,	-102.4,	-21.2,
33	13.7,	332.7,	236.4,	-79.5,	-14.6,	34	13.7,	341.3,	189.9,	-54.1,	-7.5,
35	13.7,	339.6,	138.4,	-27.1,	-0.1,	36	13.7,	333.6,	101.5,	-7.4,	6.5,

SOURCE ID: IDLE22

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-37.8,	16.9,	2	13.7,	340.1,	204.2,	-66.9,	23.4,
3	13.7,	328.4,	248.8,	-94.0,	29.2,	4	13.7,	306.8,	285.7,	-118.2,	34.1,
5	13.7,	275.8,	314.0,	-138.9,	37.9,	6	13.7,	236.4,	332.7,	-155.3,	40.6,
7	13.7,	189.9,	341.3,	-167.0,	42.1,	8	13.7,	138.4,	339.6,	-173.6,	42.7,
9	13.7,	101.5,	333.6,	-177.3,	43.2,	10	13.7,	154.2,	341.4,	-187.6,	39.3,
11	13.7,	204.2,	340.1,	-193.4,	35.2,	12	13.7,	248.8,	328.4,	-193.4,	30.4,
13	13.7,	285.7,	306.8,	-187.5,	24.6,	14	13.7,	314.0,	275.8,	-175.8,	18.1,
15	13.7,	332.7,	236.4,	-158.9,	11.1,	16	13.7,	341.3,	189.9,	-137.1,	3.7,
17	13.7,	339.6,	138.4,	-111.9,	-3.8,	18	13.7,	333.6,	101.5,	-94.0,	-10.5,
19	13.7,	341.4,	154.2,	-116.4,	-16.9,	20	13.7,	340.1,	204.2,	-137.4,	-23.4,
21	13.7,	328.4,	248.8,	-154.8,	-29.2,	22	13.7,	306.8,	285.7,	-167.5,	-34.1,
23	13.7,	275.8,	314.0,	-175.1,	-37.9,	24	13.7,	236.4,	332.7,	-177.4,	-40.6,
25	13.7,	189.9,	341.3,	-174.3,	-42.1,	26	13.7,	138.4,	339.6,	-165.9,	-42.7,
27	13.7,	101.5,	333.6,	-156.3,	-43.2,	28	13.7,	154.2,	341.4,	-153.8,	-39.3,
29	13.7,	204.2,	340.1,	-146.6,	-35.2,	30	13.7,	248.8,	328.4,	-135.0,	-30.4,
31	13.7,	285.7,	306.8,	-119.3,	-24.6,	32	13.7,	314.0,	275.8,	-99.9,	-18.1,
33	13.7,	332.7,	236.4,	-77.6,	-11.1,	34	13.7,	341.3,	189.9,	-52.8,	-3.7,
35	13.7,	339.6,	138.4,	-26.5,	3.8,	36	13.7,	333.6,	101.5,	-7.5,	10.5,

SOURCE ID: IDLE23

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-32.9,	-6.5,	2	13.7,	340.1,	204.2,	-58.0,	1.2,
3	13.7,	328.4,	248.8,	-81.4,	8.9,	4	13.7,	306.8,	285.7,	-102.3,	16.3,
5	13.7,	275.8,	314.0,	-120.1,	23.2,	6	13.7,	236.4,	332.7,	-134.3,	29.4,
7	13.7,	189.9,	341.3,	-144.3,	34.6,	8	13.7,	138.4,	339.6,	-150.0,	39.3,
9	13.7,	101.5,	333.6,	-153.5,	43.9,	10	13.7,	154.2,	341.4,	-164.2,	44.2,
11	13.7,	204.2,	340.1,	-171.3,	44.1,	12	13.7,	248.8,	328.4,	-173.1,	42.9,
13	13.7,	285.7,	306.8,	-169.6,	40.5,	14	13.7,	314.0,	275.8,	-161.1,	36.9,
15	13.7,	332.7,	236.4,	-147.6,	32.1,	16	13.7,	341.3,	189.9,	-129.6,	26.3,
17	13.7,	339.6,	138.4,	-108.4,	19.8,	18	13.7,	333.6,	101.5,	-94.7,	13.3,
19	13.7,	341.4,	154.2,	-121.2,	6.5,	20	13.7,	340.1,	204.2,	-146.2,	-1.2,
21	13.7,	328.4,	248.8,	-167.3,	-8.9,	22	13.7,	306.8,	285.7,	-183.4,	-16.3,
23	13.7,	275.8,	314.0,	-193.8,	-23.2,	24	13.7,	236.4,	332.7,	-198.4,	-29.4,
25	13.7,	189.9,	341.3,	-197.0,	-34.6,	26	13.7,	138.4,	339.6,	-189.6,	-39.3,
27	13.7,	101.5,	333.6,	-180.1,	-44.0,	28	13.7,	154.2,	341.4,	-177.2,	-44.2,
29	13.7,	204.2,	340.1,	-168.8,	-44.1,	30	13.7,	248.8,	328.4,	-155.3,	-42.9,
31	13.7,	285.7,	306.8,	-137.1,	-40.5,	32	13.7,	314.0,	275.8,	-114.7,	-36.9,
33	13.7,	332.7,	236.4,	-88.9,	-32.1,	34	13.7,	341.3,	189.9,	-60.3,	-26.3,
35	13.7,	339.6,	138.4,	-29.9,	-19.8,	36	13.7,	333.6,	101.5,	-6.8,	-13.3,

SOURCE ID: IDLE24

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-33.8,	-2.5,	2	13.7,	340.1,	204.2,	-59.6,	4.9,
3	13.7,	328.4,	248.8,	-83.6,	12.3,	4	13.7,	306.8,	285.7,	-105.1,	19.2,
5	13.7,	275.8,	314.0,	-123.3,	25.6,	6	13.7,	236.4,	332.7,	-137.9,	31.2,
7	13.7,	189.9,	341.3,	-148.2,	35.8,	8	13.7,	138.4,	339.6,	-154.0,	39.8,
9	13.7,	101.5,	333.6,	-157.5,	43.7,	10	13.7,	154.2,	341.4,	-168.2,	43.2,

11	13.7,	204.2,	340.1,	-175.0,	42.5,	12	13.7,	248.8,	328.4,	-176.5,	40.7,
13	13.7,	285.7,	306.8,	-172.6,	37.8,	14	13.7,	314.0,	275.8,	-163.5,	33.6,
15	13.7,	332.7,	236.4,	-149.4,	28.5,	16	13.7,	341.3,	189.9,	-130.8,	22.5,
17	13.7,	339.6,	138.4,	-108.9,	15.8,	18	13.7,	333.6,	101.5,	-94.5,	9.3,
19	13.7,	341.4,	154.2,	-120.3,	2.5,	20	13.7,	340.1,	204.2,	-144.6,	-4.9,
21	13.7,	328.4,	248.8,	-165.1,	-12.3,	22	13.7,	306.8,	285.7,	-180.6,	-19.2,
23	13.7,	275.8,	314.0,	-190.6,	-25.6,	24	13.7,	236.4,	332.7,	-194.8,	-31.2,
25	13.7,	189.9,	341.3,	-193.1,	-35.8,	26	13.7,	138.4,	339.6,	-185.5,	-39.8,
27	13.7,	101.5,	333.6,	-176.1,	-43.7,	28	13.7,	154.2,	341.4,	-173.2,	-43.2,
29	13.7,	204.2,	340.1,	-165.1,	-42.5,	30	13.7,	248.8,	328.4,	-151.9,	-40.7,
31	13.7,	285.7,	306.8,	-134.2,	-37.8,	32	13.7,	314.0,	275.8,	-112.3,	-33.6,
33	13.7,	332.7,	236.4,	-87.0,	-28.5,	34	13.7,	341.3,	189.9,	-59.1,	-22.5,
35	13.7,	339.6,	138.4,	-29.4,	-15.8,	36	13.7,	333.6,	101.5,	-7.0,	-9.3,

\*\*\* AERMOD - VERSION 23132 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAS\15639  
 Spreckels\15639 Ops HRA\1 \*\*\*      09/20/24  
 \*\*\* AERMET - VERSION 21112 \*\*\*  
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\*\*\* MODELOPTs:      RegDEFAULT    CONC    ELEV    URBAN    ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: IDLE25

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-34.5,	1.2,	2	13.7,	340.1,	204.2,	-61.0,	8.5,
3	13.7,	328.4,	248.8,	-85.6,	15.6,	4	13.7,	306.8,	285.7,	-107.6,	22.1,
5	13.7,	275.8,	314.0,	-126.3,	28.0,	6	13.7,	236.4,	332.7,	-141.2,	33.0,
7	13.7,	189.9,	341.3,	-151.8,	37.1,	8	13.7,	138.4,	339.6,	-157.8,	40.4,
9	13.7,	101.5,	333.6,	-161.3,	43.7,	10	13.7,	154.2,	341.4,	-171.9,	42.5,
11	13.7,	204.2,	340.1,	-178.5,	41.1,	12	13.7,	248.8,	328.4,	-179.7,	38.8,
13	13.7,	285.7,	306.8,	-175.5,	35.3,	14	13.7,	314.0,	275.8,	-165.9,	30.7,
15	13.7,	332.7,	236.4,	-151.3,	25.2,	16	13.7,	341.3,	189.9,	-132.0,	18.9,
17	13.7,	339.6,	138.4,	-109.5,	12.0,	18	13.7,	333.6,	101.5,	-94.4,	5.5,
19	13.7,	341.4,	154.2,	-119.6,	-1.2,	20	13.7,	340.1,	204.2,	-143.3,	-8.5,
21	13.7,	328.4,	248.8,	-163.2,	-15.6,	22	13.7,	306.8,	285.7,	-178.1,	-22.1,
23	13.7,	275.8,	314.0,	-187.7,	-28.0,	24	13.7,	236.4,	332.7,	-191.5,	-33.0,
25	13.7,	189.9,	341.3,	-189.5,	-37.1,	26	13.7,	138.4,	339.6,	-181.8,	-40.4,
27	13.7,	101.5,	333.6,	-172.3,	-43.7,	28	13.7,	154.2,	341.4,	-169.5,	-42.5,
29	13.7,	204.2,	340.1,	-161.5,	-41.1,	30	13.7,	248.8,	328.4,	-148.7,	-38.8,
31	13.7,	285.7,	306.8,	-131.3,	-35.3,	32	13.7,	314.0,	275.8,	-109.9,	-30.7,
33	13.7,	332.7,	236.4,	-85.2,	-25.2,	34	13.7,	341.3,	189.9,	-57.9,	-18.9,
35	13.7,	339.6,	138.4,	-28.8,	-12.0,	36	13.7,	333.6,	101.5,	-7.0,	-5.5,

SOURCE ID: IDLE26

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-35.4,	5.1,	2	13.7,	340.1,	204.2,	-62.5,	12.2,
3	13.7,	328.4,	248.8,	-87.7,	18.9,	4	13.7,	306.8,	285.7,	-110.2,	25.1,
5	13.7,	275.8,	314.0,	-129.5,	30.5,	6	13.7,	236.4,	332.7,	-144.7,	34.9,
7	13.7,	189.9,	341.3,	-155.6,	38.3,	8	13.7,	138.4,	339.6,	-161.7,	40.9,
9	13.7,	101.5,	333.6,	-165.3,	43.5,	10	13.7,	154.2,	341.4,	-175.8,	41.7,
11	13.7,	204.2,	340.1,	-182.3,	39.6,	12	13.7,	248.8,	328.4,	-183.1,	36.7,
13	13.7,	285.7,	306.8,	-178.5,	32.6,	14	13.7,	314.0,	275.8,	-168.4,	27.5,
15	13.7,	332.7,	236.4,	-153.1,	21.6,	16	13.7,	341.3,	189.9,	-133.3,	15.1,
17	13.7,	339.6,	138.4,	-110.1,	8.0,	18	13.7,	333.6,	101.5,	-94.3,	1.5,
19	13.7,	341.4,	154.2,	-118.8,	-5.1,	20	13.7,	340.1,	204.2,	-141.8,	-12.2,
21	13.7,	328.4,	248.8,	-161.1,	-18.9,	22	13.7,	306.8,	285.7,	-175.5,	-25.1,
23	13.7,	275.8,	314.0,	-184.5,	-30.5,	24	13.7,	236.4,	332.7,	-188.0,	-34.9,
25	13.7,	189.9,	341.3,	-185.7,	-38.3,	26	13.7,	138.4,	339.6,	-177.8,	-40.9,
27	13.7,	101.5,	333.6,	-168.3,	-43.5,	28	13.7,	154.2,	341.4,	-165.6,	-41.7,
29	13.7,	204.2,	340.1,	-157.8,	-39.6,	30	13.7,	248.8,	328.4,	-145.3,	-36.7,
31	13.7,	285.7,	306.8,	-128.3,	-32.6,	32	13.7,	314.0,	275.8,	-107.4,	-27.5,
33	13.7,	332.7,	236.4,	-83.3,	-21.6,	34	13.7,	341.3,	189.9,	-56.6,	-15.1,

35 13.7, 339.6, 138.4, -28.2, -8.0, 36 13.7, 333.6, 101.5, -7.2, -1.5,

SOURCE ID: IDLE27

Table with 12 columns: IFV, BH, BW, BL, XADJ, YADJ, IFV, BH, BW, BL, XADJ, YADJ. Rows 1-35 for IDLE27 and 1-36 for IDLE28.

SOURCE ID: IDLE28

Table with 12 columns: IFV, BH, BW, BL, XADJ, YADJ, IFV, BH, BW, BL, XADJ, YADJ. Rows 1-36 for IDLE28.

\*\*\* AERMOD - VERSION 23132 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\15639 Sprechels\15639 Ops HRA\1 \*\*\* 09/20/24 \*\*\* AERMET - VERSION 21112 \*\*\* \*\*\* 11:04:36

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: IDLE29

Table with 12 columns: IFV, BH, BW, BL, XADJ, YADJ, IFV, BH, BW, BL, XADJ, YADJ. Rows 1-14 for IDLE29.

15	13.7,	332.7,	236.4,	-173.9,	-16.6,	16	13.7,	341.3,	189.9,	-147.1,	-26.2,
17	13.7,	339.6,	138.4,	-116.6,	-35.0,	18	13.7,	333.6,	101.5,	-93.2,	-42.0,
19	13.7,	341.4,	154.2,	-110.2,	-47.8,	20	13.7,	340.1,	204.2,	-125.9,	-52.7,
21	13.7,	328.4,	248.8,	-138.4,	-56.0,	22	13.7,	306.8,	285.7,	-146.7,	-57.7,
23	13.7,	275.8,	314.0,	-150.5,	-57.6,	24	13.7,	236.4,	332.7,	-149.8,	-55.7,
25	13.7,	189.9,	341.3,	-144.5,	-52.1,	26	13.7,	138.4,	339.6,	-134.8,	-47.4,
27	13.7,	101.5,	333.6,	-124.8,	-42.4,	28	13.7,	154.2,	341.4,	-122.9,	-33.1,
29	13.7,	204.2,	340.1,	-117.3,	-23.7,	30	13.7,	248.8,	328.4,	-108.1,	-14.0,
31	13.7,	285.7,	306.8,	-95.7,	-3.8,	32	13.7,	314.0,	275.8,	-80.3,	6.5,
33	13.7,	332.7,	236.4,	-62.5,	16.6,	34	13.7,	341.3,	189.9,	-42.8,	26.2,
35	13.7,	339.6,	138.4,	-21.8,	35.0,	36	13.7,	333.6,	101.5,	-8.3,	42.0,

SOURCE ID: IDLE30

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-39.1,	24.4,	2	13.7,	340.1,	204.2,	-69.5,	30.5,
3	13.7,	328.4,	248.8,	-97.8,	35.7,	4	13.7,	306.8,	285.7,	-123.1,	39.9,
5	13.7,	275.8,	314.0,	-144.7,	42.8,	6	13.7,	236.4,	332.7,	-161.9,	44.4,
7	13.7,	189.9,	341.3,	-174.2,	44.7,	8	13.7,	138.4,	339.6,	-181.1,	44.0,
9	13.7,	101.5,	333.6,	-184.9,	43.2,	10	13.7,	154.2,	341.4,	-195.1,	37.9,
11	13.7,	204.2,	340.1,	-200.6,	32.6,	12	13.7,	248.8,	328.4,	-199.9,	26.6,
13	13.7,	285.7,	306.8,	-193.2,	19.7,	14	13.7,	314.0,	275.8,	-180.7,	12.3,
15	13.7,	332.7,	236.4,	-162.6,	4.5,	16	13.7,	341.3,	189.9,	-139.6,	-3.5,
17	13.7,	339.6,	138.4,	-113.1,	-11.3,	18	13.7,	333.6,	101.5,	-93.9,	-18.1,
19	13.7,	341.4,	154.2,	-115.0,	-24.4,	20	13.7,	340.1,	204.2,	-134.7,	-30.5,
21	13.7,	328.4,	248.8,	-150.9,	-35.7,	22	13.7,	306.8,	285.7,	-162.6,	-39.9,
23	13.7,	275.8,	314.0,	-169.2,	-42.8,	24	13.7,	236.4,	332.7,	-170.8,	-44.4,
25	13.7,	189.9,	341.3,	-167.2,	-44.7,	26	13.7,	138.4,	339.6,	-158.4,	-44.0,
27	13.7,	101.5,	333.6,	-148.7,	-43.2,	28	13.7,	154.2,	341.4,	-146.3,	-37.9,
29	13.7,	204.2,	340.1,	-139.5,	-32.6,	30	13.7,	248.8,	328.4,	-128.5,	-26.6,
31	13.7,	285.7,	306.8,	-113.5,	-19.7,	32	13.7,	314.0,	275.8,	-95.1,	-12.3,
33	13.7,	332.7,	236.4,	-73.8,	-4.5,	34	13.7,	341.3,	189.9,	-50.3,	3.5,
35	13.7,	339.6,	138.4,	-25.2,	11.3,	36	13.7,	333.6,	101.5,	-7.5,	18.1,

SOURCE ID: IDLE31

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-40.1,	28.3,	2	13.7,	340.1,	204.2,	-71.1,	34.2,
3	13.7,	328.4,	248.8,	-100.0,	39.1,	4	13.7,	306.8,	285.7,	-125.9,	42.8,
5	13.7,	275.8,	314.0,	-148.0,	45.2,	6	13.7,	236.4,	332.7,	-165.5,	46.2,
7	13.7,	189.9,	341.3,	-178.0,	45.8,	8	13.7,	138.4,	339.6,	-185.1,	44.4,
9	13.7,	101.5,	333.6,	-188.9,	42.9,	10	13.7,	154.2,	341.4,	-199.0,	37.0,
11	13.7,	204.2,	340.1,	-204.3,	31.0,	12	13.7,	248.8,	328.4,	-203.3,	24.3,
13	13.7,	285.7,	306.8,	-196.2,	16.9,	14	13.7,	314.0,	275.8,	-183.1,	9.0,
15	13.7,	332.7,	236.4,	-164.4,	0.8,	16	13.7,	341.3,	189.9,	-140.8,	-7.4,
17	13.7,	339.6,	138.4,	-113.6,	-15.4,	18	13.7,	333.6,	101.5,	-93.7,	-22.2,
19	13.7,	341.4,	154.2,	-114.1,	-28.3,	20	13.7,	340.1,	204.2,	-133.1,	-34.2,
21	13.7,	328.4,	248.8,	-148.7,	-39.1,	22	13.7,	306.8,	285.7,	-159.8,	-42.8,
23	13.7,	275.8,	314.0,	-166.0,	-45.2,	24	13.7,	236.4,	332.7,	-167.2,	-46.2,
25	13.7,	189.9,	341.3,	-163.3,	-45.8,	26	13.7,	138.4,	339.6,	-154.4,	-44.4,
27	13.7,	101.5,	333.6,	-144.7,	-42.9,	28	13.7,	154.2,	341.4,	-142.4,	-37.0,
29	13.7,	204.2,	340.1,	-135.8,	-31.0,	30	13.7,	248.8,	328.4,	-125.1,	-24.3,
31	13.7,	285.7,	306.8,	-110.6,	-16.9,	32	13.7,	314.0,	275.8,	-92.7,	-9.0,
33	13.7,	332.7,	236.4,	-72.0,	-0.8,	34	13.7,	341.3,	189.9,	-49.1,	7.4,
35	13.7,	339.6,	138.4,	-24.7,	15.4,	36	13.7,	333.6,	101.5,	-7.8,	22.2,

SOURCE ID: IDLE32

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-40.8,	32.1,	2	13.7,	340.1,	204.2,	-72.5,	37.8,
3	13.7,	328.4,	248.8,	-102.0,	42.4,	4	13.7,	306.8,	285.7,	-128.4,	45.7,
5	13.7,	275.8,	314.0,	-150.9,	47.6,	6	13.7,	236.4,	332.7,	-168.8,	48.1,
7	13.7,	189.9,	341.3,	-181.6,	47.1,	8	13.7,	138.4,	339.6,	-188.9,	45.1,
9	13.7,	101.5,	333.6,	-192.8,	42.9,	10	13.7,	154.2,	341.4,	-202.8,	36.3,
11	13.7,	204.2,	340.1,	-207.8,	29.7,	12	13.7,	248.8,	328.4,	-206.6,	22.4,
13	13.7,	285.7,	306.8,	-199.1,	14.5,	14	13.7,	314.0,	275.8,	-185.5,	6.1,

15	13.7,	332.7,	236.4,	-166.3,	-2.5,	16	13.7,	341.3,	189.9,	-142.1,	-11.0,
17	13.7,	339.6,	138.4,	-114.2,	-19.1,	18	13.7,	333.6,	101.5,	-93.6,	-26.0,
19	13.7,	341.4,	154.2,	-113.4,	-32.1,	20	13.7,	340.1,	204.2,	-131.8,	-37.8,
21	13.7,	328.4,	248.8,	-146.8,	-42.4,	22	13.7,	306.8,	285.7,	-157.3,	-45.7,
23	13.7,	275.8,	314.0,	-163.1,	-47.6,	24	13.7,	236.4,	332.7,	-163.9,	-48.1,
25	13.7,	189.9,	341.3,	-159.7,	-47.1,	26	13.7,	138.4,	339.6,	-150.7,	-45.1,
27	13.7,	101.5,	333.6,	-140.8,	-42.9,	28	13.7,	154.2,	341.4,	-138.6,	-36.3,
29	13.7,	204.2,	340.1,	-132.2,	-29.7,	30	13.7,	248.8,	328.4,	-121.8,	-22.4,
31	13.7,	285.7,	306.8,	-107.7,	-14.5,	32	13.7,	314.0,	275.8,	-90.3,	-6.1,
33	13.7,	332.7,	236.4,	-70.1,	2.5,	34	13.7,	341.3,	189.9,	-47.8,	11.0,
35	13.7,	339.6,	138.4,	-24.1,	19.1,	36	13.7,	333.6,	101.5,	-7.8,	26.0,

\*\*\* AERMOD - VERSION 23132 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\15639  
 Spreckels\15639 Ops HRA\1 \*\*\* 09/20/24  
 \*\*\* AERMET - VERSION 21112 \*\*\*  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: IDLE33

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-41.6,	36.0,	2	13.7,	340.1,	204.2,	-74.0,	41.5,
3	13.7,	328.4,	248.8,	-104.1,	45.8,	4	13.7,	306.8,	285.7,	-131.1,	48.7,
5	13.7,	275.8,	314.0,	-154.0,	50.1,	6	13.7,	236.4,	332.7,	-172.4,	50.0,
7	13.7,	189.9,	341.3,	-185.4,	48.3,	8	13.7,	138.4,	339.6,	-192.9,	45.6,
9	13.7,	101.5,	333.6,	-196.7,	42.8,	10	13.7,	154.2,	341.4,	-206.7,	35.5,
11	13.7,	204.2,	340.1,	-211.5,	28.2,	12	13.7,	248.8,	328.4,	-210.0,	20.3,
13	13.7,	285.7,	306.8,	-202.1,	11.8,	14	13.7,	314.0,	275.8,	-188.0,	2.9,
15	13.7,	332.7,	236.4,	-168.2,	-6.0,	16	13.7,	341.3,	189.9,	-143.3,	-14.8,
17	13.7,	339.6,	138.4,	-114.8,	-23.1,	18	13.7,	333.6,	101.5,	-93.5,	-29.9,
19	13.7,	341.4,	154.2,	-112.6,	-36.0,	20	13.7,	340.1,	204.2,	-130.3,	-41.5,
21	13.7,	328.4,	248.8,	-144.7,	-45.8,	22	13.7,	306.8,	285.7,	-154.6,	-48.7,
23	13.7,	275.8,	314.0,	-159.9,	-50.1,	24	13.7,	236.4,	332.7,	-160.4,	-50.0,
25	13.7,	189.9,	341.3,	-155.9,	-48.3,	26	13.7,	138.4,	339.6,	-146.7,	-45.6,
27	13.7,	101.5,	333.6,	-136.9,	-42.8,	28	13.7,	154.2,	341.4,	-134.7,	-35.5,
29	13.7,	204.2,	340.1,	-128.5,	-28.2,	30	13.7,	248.8,	328.4,	-118.4,	-20.3,
31	13.7,	285.7,	306.8,	-104.7,	-11.8,	32	13.7,	314.0,	275.8,	-87.8,	-2.9,
33	13.7,	332.7,	236.4,	-68.2,	6.0,	34	13.7,	341.3,	189.9,	-46.6,	14.8,
35	13.7,	339.6,	138.4,	-23.6,	23.1,	36	13.7,	333.6,	101.5,	-8.0,	29.9,

SOURCE ID: IDLE34

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-48.8,	71.1,	2	13.7,	340.1,	204.2,	-87.1,	74.9,
3	13.7,	328.4,	248.8,	-122.9,	76.4,	4	13.7,	306.8,	285.7,	-154.9,	75.5,
5	13.7,	275.8,	314.0,	-182.1,	72.4,	6	13.7,	236.4,	332.7,	-203.9,	67.1,
7	13.7,	189.9,	341.3,	-219.5,	59.7,	8	13.7,	138.4,	339.6,	-228.3,	50.9,
9	13.7,	101.5,	333.6,	-232.6,	41.8,	10	13.7,	154.2,	341.4,	-241.8,	28.3,
11	13.7,	204.2,	340.1,	-244.9,	15.0,	12	13.7,	248.8,	328.4,	-240.6,	1.5,
13	13.7,	285.7,	306.8,	-228.9,	-12.0,	14	13.7,	314.0,	275.8,	-210.3,	-25.2,
15	13.7,	332.7,	236.4,	-185.3,	-37.5,	16	13.7,	341.3,	189.9,	-154.7,	-48.8,
17	13.7,	339.6,	138.4,	-120.1,	-58.6,	18	13.7,	333.6,	101.5,	-92.5,	-65.8,
19	13.7,	341.4,	154.2,	-105.4,	-71.1,	20	13.7,	340.1,	204.2,	-117.1,	-74.9,
21	13.7,	328.4,	248.8,	-125.9,	-76.4,	22	13.7,	306.8,	285.7,	-130.9,	-75.5,
23	13.7,	275.8,	314.0,	-131.8,	-72.4,	24	13.7,	236.4,	332.7,	-128.8,	-67.1,
25	13.7,	189.9,	341.3,	-121.9,	-59.7,	26	13.7,	138.4,	339.6,	-111.2,	-50.9,
27	13.7,	101.5,	333.6,	-101.0,	-41.8,	28	13.7,	154.2,	341.4,	-99.6,	-28.3,
29	13.7,	204.2,	340.1,	-95.1,	-15.0,	30	13.7,	248.8,	328.4,	-87.8,	-1.5,
31	13.7,	285.7,	306.8,	-77.8,	12.0,	32	13.7,	314.0,	275.8,	-65.5,	25.2,
33	13.7,	332.7,	236.4,	-51.1,	37.5,	34	13.7,	341.3,	189.9,	-35.2,	48.8,
35	13.7,	339.6,	138.4,	-18.3,	58.6,	36	13.7,	333.6,	101.5,	-8.9,	65.8,

SOURCE ID: IDLE35

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-49.6,	75.0,	2	13.7,	340.1,	204.2,	-88.7,	78.5,
3	13.7,	328.4,	248.8,	-125.0,	79.7,	4	13.7,	306.8,	285.7,	-157.5,	78.4,
5	13.7,	275.8,	314.0,	-185.3,	74.8,	6	13.7,	236.4,	332.7,	-207.4,	68.9,
7	13.7,	189.9,	341.3,	-223.2,	60.9,	8	13.7,	138.4,	339.6,	-232.2,	51.4,
9	13.7,	101.5,	333.6,	-236.6,	41.6,	10	13.7,	154.2,	341.4,	-245.7,	27.4,
11	13.7,	204.2,	340.1,	-248.6,	13.5,	12	13.7,	248.8,	328.4,	-243.9,	-0.6,
13	13.7,	285.7,	306.8,	-231.8,	-14.7,	14	13.7,	314.0,	275.8,	-212.7,	-28.3,
15	13.7,	332.7,	236.4,	-187.1,	-41.0,	16	13.7,	341.3,	189.9,	-155.8,	-52.6,
17	13.7,	339.6,	138.4,	-120.6,	-62.5,	18	13.7,	333.6,	101.5,	-92.3,	-69.8,
19	13.7,	341.4,	154.2,	-104.5,	-75.0,	20	13.7,	340.1,	204.2,	-115.6,	-78.5,
21	13.7,	328.4,	248.8,	-123.8,	-79.7,	22	13.7,	306.8,	285.7,	-128.2,	-78.4,
23	13.7,	275.8,	314.0,	-128.7,	-74.8,	24	13.7,	236.4,	332.7,	-125.3,	-68.9,
25	13.7,	189.9,	341.3,	-118.1,	-60.9,	26	13.7,	138.4,	339.6,	-107.3,	-51.4,
27	13.7,	101.5,	333.6,	-97.0,	-41.6,	28	13.7,	154.2,	341.4,	-95.7,	-27.4,
29	13.7,	204.2,	340.1,	-91.5,	-13.5,	30	13.7,	248.8,	328.4,	-84.5,	0.6,
31	13.7,	285.7,	306.8,	-74.9,	14.7,	32	13.7,	314.0,	275.8,	-63.1,	28.3,
33	13.7,	332.7,	236.4,	-49.3,	41.0,	34	13.7,	341.3,	189.9,	-34.1,	52.6,
35	13.7,	339.6,	138.4,	-17.8,	62.5,	36	13.7,	333.6,	101.5,	-9.1,	69.8,

SOURCE ID: IDLE36

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-50.4,	78.9,	2	13.7,	340.1,	204.2,	-90.1,	82.2,
3	13.7,	328.4,	248.8,	-127.1,	83.1,	4	13.7,	306.8,	285.7,	-160.2,	81.4,
5	13.7,	275.8,	314.0,	-188.4,	77.3,	6	13.7,	236.4,	332.7,	-210.9,	70.8,
7	13.7,	189.9,	341.3,	-227.0,	62.1,	8	13.7,	138.4,	339.6,	-236.2,	52.0,
9	13.7,	101.5,	333.6,	-240.5,	41.5,	10	13.7,	154.2,	341.4,	-249.6,	26.7,
11	13.7,	204.2,	340.1,	-252.3,	12.0,	12	13.7,	248.8,	328.4,	-247.3,	-2.7,
13	13.7,	285.7,	306.8,	-234.8,	-17.3,	14	13.7,	314.0,	275.8,	-215.2,	-31.4,
15	13.7,	332.7,	236.4,	-189.0,	-44.5,	16	13.7,	341.3,	189.9,	-157.1,	-56.3,
17	13.7,	339.6,	138.4,	-121.2,	-66.4,	18	13.7,	333.6,	101.5,	-92.3,	-73.8,
19	13.7,	341.4,	154.2,	-103.7,	-78.9,	20	13.7,	340.1,	204.2,	-114.1,	-82.2,
21	13.7,	328.4,	248.8,	-121.7,	-83.1,	22	13.7,	306.8,	285.7,	-125.5,	-81.4,
23	13.7,	275.8,	314.0,	-125.6,	-77.3,	24	13.7,	236.4,	332.7,	-121.8,	-70.8,
25	13.7,	189.9,	341.3,	-114.3,	-62.1,	26	13.7,	138.4,	339.6,	-103.4,	-52.0,
27	13.7,	101.5,	333.6,	-93.0,	-41.5,	28	13.7,	154.2,	341.4,	-91.8,	-26.7,
29	13.7,	204.2,	340.1,	-87.8,	-12.0,	30	13.7,	248.8,	328.4,	-81.1,	2.7,
31	13.7,	285.7,	306.8,	-71.9,	17.3,	32	13.7,	314.0,	275.8,	-60.6,	31.4,
33	13.7,	332.7,	236.4,	-47.4,	44.5,	34	13.7,	341.3,	189.9,	-32.8,	56.3,
35	13.7,	339.6,	138.4,	-17.2,	66.4,	36	13.7,	333.6,	101.5,	-9.2,	73.8,

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 Spreckels\15639 Ops HRA\1 \*\*\*      09/20/24  
 \*\*\* AERMET - VERSION 21112 \*\*\*  
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\*\*\* MODELOPTs:      RegDFAULT      CONC      ELEV      URBAN      ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: IDLE37

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-45.6,	55.5,	2	13.7,	340.1,	204.2,	-81.3,	60.1,
3	13.7,	328.4,	248.8,	-114.5,	62.8,	4	13.7,	306.8,	285.7,	-144.3,	63.6,
5	13.7,	275.8,	314.0,	-169.7,	62.5,	6	13.7,	236.4,	332.7,	-189.9,	59.5,
7	13.7,	189.9,	341.3,	-204.3,	54.7,	8	13.7,	138.4,	339.6,	-212.6,	48.6,
9	13.7,	101.5,	333.6,	-216.7,	42.2,	10	13.7,	154.2,	341.4,	-226.2,	31.5,
11	13.7,	204.2,	340.1,	-230.1,	20.9,	12	13.7,	248.8,	328.4,	-227.0,	9.9,
13	13.7,	285.7,	306.8,	-217.0,	-1.4,	14	13.7,	314.0,	275.8,	-200.4,	-12.7,
15	13.7,	332.7,	236.4,	-177.7,	-23.5,	16	13.7,	341.3,	189.9,	-149.6,	-33.7,
17	13.7,	339.6,	138.4,	-117.7,	-42.8,	18	13.7,	333.6,	101.5,	-93.0,	-49.9,



19	13.7,	341.4,	154.2,	-108.6,	-55.5,	20	13.7,	340.1,	204.2,	-123.0,	-60.1,
21	13.7,	328.4,	248.8,	-134.2,	-62.8,	22	13.7,	306.8,	285.7,	-141.4,	-63.6,
23	13.7,	275.8,	314.0,	-144.3,	-62.5,	24	13.7,	236.4,	332.7,	-142.8,	-59.5,
25	13.7,	189.9,	341.3,	-137.0,	-54.7,	26	13.7,	138.4,	339.6,	-127.0,	-48.6,
27	13.7,	101.5,	333.6,	-116.9,	-42.2,	28	13.7,	154.2,	341.4,	-115.2,	-31.5,
29	13.7,	204.2,	340.1,	-110.0,	-20.9,	30	13.7,	248.8,	328.4,	-101.4,	-9.9,
31	13.7,	285.7,	306.8,	-89.8,	1.4,	32	13.7,	314.0,	275.8,	-75.4,	12.7,
33	13.7,	332.7,	236.4,	-58.7,	23.5,	34	13.7,	341.3,	189.9,	-40.3,	33.7,
35	13.7,	339.6,	138.4,	-20.6,	42.8,	36	13.7,	333.6,	101.5,	-8.5,	49.9,

SOURCE ID: IDLE38

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-46.5,	59.4,	2	13.7,	340.1,	204.2,	-82.9,	63.8,
3	13.7,	328.4,	248.8,	-116.7,	66.2,	4	13.7,	306.8,	285.7,	-147.0,	66.6,
5	13.7,	275.8,	314.0,	-172.9,	64.9,	6	13.7,	236.4,	332.7,	-193.5,	61.3,
7	13.7,	189.9,	341.3,	-208.2,	55.8,	8	13.7,	138.4,	339.6,	-216.6,	49.0,
9	13.7,	101.5,	333.6,	-220.7,	42.0,	10	13.7,	154.2,	341.4,	-230.2,	30.6,
11	13.7,	204.2,	340.1,	-233.8,	19.3,	12	13.7,	248.8,	328.4,	-230.4,	7.7,
13	13.7,	285.7,	306.8,	-219.9,	-4.2,	14	13.7,	314.0,	275.8,	-202.8,	-15.9,
15	13.7,	332.7,	236.4,	-179.5,	-27.1,	16	13.7,	341.3,	189.9,	-150.8,	-37.5,
17	13.7,	339.6,	138.4,	-118.2,	-46.8,	18	13.7,	333.6,	101.5,	-92.8,	-53.9,
19	13.7,	341.4,	154.2,	-107.7,	-59.4,	20	13.7,	340.1,	204.2,	-121.4,	-63.8,
21	13.7,	328.4,	248.8,	-132.0,	-66.2,	22	13.7,	306.8,	285.7,	-138.7,	-66.6,
23	13.7,	275.8,	314.0,	-141.1,	-64.9,	24	13.7,	236.4,	332.7,	-139.2,	-61.3,
25	13.7,	189.9,	341.3,	-133.1,	-55.8,	26	13.7,	138.4,	339.6,	-123.0,	-49.0,
27	13.7,	101.5,	333.6,	-112.9,	-42.0,	28	13.7,	154.2,	341.4,	-111.3,	-30.6,
29	13.7,	204.2,	340.1,	-106.2,	-19.3,	30	13.7,	248.8,	328.4,	-98.0,	-7.7,
31	13.7,	285.7,	306.8,	-86.8,	4.2,	32	13.7,	314.0,	275.8,	-73.0,	15.9,
33	13.7,	332.7,	236.4,	-56.9,	27.1,	34	13.7,	341.3,	189.9,	-39.1,	37.5,
35	13.7,	339.6,	138.4,	-20.1,	46.8,	36	13.7,	333.6,	101.5,	-8.7,	53.9,

SOURCE ID: IDLE39

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-47.2,	63.2,	2	13.7,	340.1,	204.2,	-84.2,	67.3,
3	13.7,	328.4,	248.8,	-118.7,	69.5,	4	13.7,	306.8,	285.7,	-149.5,	69.5,
5	13.7,	275.8,	314.0,	-175.8,	67.3,	6	13.7,	236.4,	332.7,	-196.8,	63.2,
7	13.7,	189.9,	341.3,	-211.8,	57.1,	8	13.7,	138.4,	339.6,	-220.3,	49.7,
9	13.7,	101.5,	333.6,	-224.5,	42.0,	10	13.7,	154.2,	341.4,	-233.9,	29.9,
11	13.7,	204.2,	340.1,	-237.4,	17.9,	12	13.7,	248.8,	328.4,	-233.7,	5.7,
13	13.7,	285.7,	306.8,	-222.8,	-6.7,	14	13.7,	314.0,	275.8,	-205.2,	-18.8,
15	13.7,	332.7,	236.4,	-181.4,	-30.4,	16	13.7,	341.3,	189.9,	-152.1,	-41.1,
17	13.7,	339.6,	138.4,	-118.8,	-50.6,	18	13.7,	333.6,	101.5,	-92.7,	-57.7,
19	13.7,	341.4,	154.2,	-107.0,	-63.2,	20	13.7,	340.1,	204.2,	-120.0,	-67.3,
21	13.7,	328.4,	248.8,	-130.1,	-69.5,	22	13.7,	306.8,	285.7,	-136.2,	-69.5,
23	13.7,	275.8,	314.0,	-138.1,	-67.3,	24	13.7,	236.4,	332.7,	-135.9,	-63.2,
25	13.7,	189.9,	341.3,	-129.5,	-57.1,	26	13.7,	138.4,	339.6,	-119.2,	-49.7,
27	13.7,	101.5,	333.6,	-109.1,	-42.0,	28	13.7,	154.2,	341.4,	-107.5,	-29.9,
29	13.7,	204.2,	340.1,	-102.7,	-17.9,	30	13.7,	248.8,	328.4,	-94.7,	-5.7,
31	13.7,	285.7,	306.8,	-83.9,	6.7,	32	13.7,	314.0,	275.8,	-70.5,	18.8,
33	13.7,	332.7,	236.4,	-55.0,	30.4,	34	13.7,	341.3,	189.9,	-37.8,	41.1,
35	13.7,	339.6,	138.4,	-19.5,	50.6,	36	13.7,	333.6,	101.5,	-8.7,	57.7,

SOURCE ID: IDLE40

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-48.0,	67.1,	2	13.7,	340.1,	204.2,	-85.7,	71.1,
3	13.7,	328.4,	248.8,	-120.8,	72.8,	4	13.7,	306.8,	285.7,	-152.2,	72.4,
5	13.7,	275.8,	314.0,	-179.0,	69.8,	6	13.7,	236.4,	332.7,	-200.3,	65.1,
7	13.7,	189.9,	341.3,	-215.6,	58.3,	8	13.7,	138.4,	339.6,	-224.3,	50.2,
9	13.7,	101.5,	333.6,	-228.5,	41.8,	10	13.7,	154.2,	341.4,	-237.8,	29.1,
11	13.7,	204.2,	340.1,	-241.1,	16.4,	12	13.7,	248.8,	328.4,	-237.1,	3.6,
13	13.7,	285.7,	306.8,	-225.8,	-9.3,	14	13.7,	314.0,	275.8,	-207.7,	-22.0,
15	13.7,	332.7,	236.4,	-183.3,	-34.0,	16	13.7,	341.3,	189.9,	-153.3,	-44.9,
17	13.7,	339.6,	138.4,	-119.4,	-54.5,	18	13.7,	333.6,	101.5,	-92.6,	-61.7,

19	13.7,	341.4,	154.2,	-106.1,	-67.1,	20	13.7,	340.1,	204.2,	-118.5,	-71.1,
21	13.7,	328.4,	248.8,	-128.0,	-72.8,	22	13.7,	306.8,	285.7,	-133.5,	-72.4,
23	13.7,	275.8,	314.0,	-135.0,	-69.8,	24	13.7,	236.4,	332.7,	-132.4,	-65.1,
25	13.7,	189.9,	341.3,	-125.7,	-58.3,	26	13.7,	138.4,	339.6,	-115.3,	-50.2,
27	13.7,	101.5,	333.6,	-105.1,	-41.8,	28	13.7,	154.2,	341.4,	-103.6,	-29.1,
29	13.7,	204.2,	340.1,	-99.0,	-16.4,	30	13.7,	248.8,	328.4,	-91.3,	-3.6,
31	13.7,	285.7,	306.8,	-80.9,	9.3,	32	13.7,	314.0,	275.8,	-68.1,	22.0,
33	13.7,	332.7,	236.4,	-53.1,	34.0,	34	13.7,	341.3,	189.9,	-36.6,	44.9,
35	13.7,	339.6,	138.4,	-18.9,	54.5,	36	13.7,	333.6,	101.5,	-8.9,	61.7,

\*\*\* AERMOD - VERSION 23132 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\15639  
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\*\*\* AERMET - VERSION 21112 \*\*\*  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: IDLE41

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-55.0,	102.1,	2	13.7,	340.1,	204.2,	-98.7,	104.3,
3	13.7,	328.4,	248.8,	-139.4,	103.4,	4	13.7,	306.8,	285.7,	-175.8,	99.3,
5	13.7,	275.8,	314.0,	-206.9,	92.1,	6	13.7,	236.4,	332.7,	-231.7,	82.2,
7	13.7,	189.9,	341.3,	-249.4,	69.8,	8	13.7,	138.4,	339.6,	-259.6,	55.6,
9	13.7,	101.5,	333.6,	-264.2,	41.0,	10	13.7,	154.2,	341.4,	-272.8,	22.0,
11	13.7,	204.2,	340.1,	-274.4,	3.4,	12	13.7,	248.8,	328.4,	-267.6,	-15.0,
13	13.7,	285.7,	306.8,	-252.6,	-32.9,	14	13.7,	314.0,	275.8,	-230.0,	-49.9,
15	13.7,	332.7,	236.4,	-200.4,	-65.3,	16	13.7,	341.3,	189.9,	-164.7,	-78.8,
17	13.7,	339.6,	138.4,	-124.8,	-89.8,	18	13.7,	333.6,	101.5,	-91.8,	-97.5,
19	13.7,	341.4,	154.2,	-99.1,	-102.1,	20	13.7,	340.1,	204.2,	-105.5,	-104.3,
21	13.7,	328.4,	248.8,	-109.4,	-103.4,	22	13.7,	306.8,	285.7,	-109.9,	-99.3,
23	13.7,	275.8,	314.0,	-107.1,	-92.1,	24	13.7,	236.4,	332.7,	-101.0,	-82.2,
25	13.7,	189.9,	341.3,	-91.9,	-69.8,	26	13.7,	138.4,	339.6,	-79.9,	-55.6,
27	13.7,	101.5,	333.6,	-69.3,	-41.0,	28	13.7,	154.2,	341.4,	-68.6,	-22.0,
29	13.7,	204.2,	340.1,	-65.7,	-3.4,	30	13.7,	248.8,	328.4,	-60.8,	15.0,
31	13.7,	285.7,	306.8,	-54.1,	32.9,	32	13.7,	314.0,	275.8,	-45.8,	49.9,
33	13.7,	332.7,	236.4,	-36.0,	65.3,	34	13.7,	341.3,	189.9,	-25.2,	78.8,
35	13.7,	339.6,	138.4,	-13.6,	89.8,	36	13.7,	333.6,	101.5,	-9.7,	97.5,

SOURCE ID: IDLE42

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-55.9,	106.0,	2	13.7,	340.1,	204.2,	-100.2,	108.0,
3	13.7,	328.4,	248.8,	-141.5,	106.7,	4	13.7,	306.8,	285.7,	-178.5,	102.2,
5	13.7,	275.8,	314.0,	-210.0,	94.5,	6	13.7,	236.4,	332.7,	-235.2,	84.0,
7	13.7,	189.9,	341.3,	-253.2,	71.0,	8	13.7,	138.4,	339.6,	-263.6,	56.1,
9	13.7,	101.5,	333.6,	-268.2,	40.8,	10	13.7,	154.2,	341.4,	-276.7,	21.2,
11	13.7,	204.2,	340.1,	-278.0,	1.9,	12	13.7,	248.8,	328.4,	-270.9,	-17.1,
13	13.7,	285.7,	306.8,	-255.5,	-35.6,	14	13.7,	314.0,	275.8,	-232.4,	-53.0,
15	13.7,	332.7,	236.4,	-202.2,	-68.8,	16	13.7,	341.3,	189.9,	-165.9,	-82.6,
17	13.7,	339.6,	138.4,	-125.3,	-93.8,	18	13.7,	333.6,	101.5,	-91.6,	-101.4,
19	13.7,	341.4,	154.2,	-98.3,	-106.0,	20	13.7,	340.1,	204.2,	-104.0,	-108.0,
21	13.7,	328.4,	248.8,	-107.3,	-106.7,	22	13.7,	306.8,	285.7,	-107.2,	-102.2,
23	13.7,	275.8,	314.0,	-104.0,	-94.5,	24	13.7,	236.4,	332.7,	-97.5,	-84.0,
25	13.7,	189.9,	341.3,	-88.1,	-71.0,	26	13.7,	138.4,	339.6,	-76.0,	-56.1,
27	13.7,	101.5,	333.6,	-65.4,	-40.8,	28	13.7,	154.2,	341.4,	-64.7,	-21.2,
29	13.7,	204.2,	340.1,	-62.0,	-1.9,	30	13.7,	248.8,	328.4,	-57.5,	17.1,
31	13.7,	285.7,	306.8,	-51.2,	35.6,	32	13.7,	314.0,	275.8,	-43.4,	53.0,
33	13.7,	332.7,	236.4,	-34.2,	68.8,	34	13.7,	341.3,	189.9,	-24.0,	82.6,
35	13.7,	339.6,	138.4,	-13.1,	93.8,	36	13.7,	333.6,	101.5,	-9.9,	101.4,

SOURCE ID: IDLE43

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-51.8,	86.5,	2	13.7,	340.1,	204.2,	-92.8,	89.5,
3	13.7,	328.4,	248.8,	-131.0,	89.8,	4	13.7,	306.8,	285.7,	-165.2,	87.3,
5	13.7,	275.8,	314.0,	-194.4,	82.2,	6	13.7,	236.4,	332.7,	-217.7,	74.6,
7	13.7,	189.9,	341.3,	-234.3,	64.8,	8	13.7,	138.4,	339.6,	-243.9,	53.3,
9	13.7,	101.5,	333.6,	-248.3,	41.5,	10	13.7,	154.2,	341.4,	-257.2,	25.2,
11	13.7,	204.2,	340.1,	-259.6,	9.3,	12	13.7,	248.8,	328.4,	-254.0,	-6.6,
13	13.7,	285.7,	306.8,	-240.7,	-22.4,	14	13.7,	314.0,	275.8,	-220.1,	-37.4,
15	13.7,	332.7,	236.4,	-192.9,	-51.3,	16	13.7,	341.3,	189.9,	-159.7,	-63.7,
17	13.7,	339.6,	138.4,	-122.5,	-74.1,	18	13.7,	333.6,	101.5,	-92.2,	-81.5,
19	13.7,	341.4,	154.2,	-102.3,	-86.5,	20	13.7,	340.1,	204.2,	-111.4,	-89.5,
21	13.7,	328.4,	248.8,	-117.7,	-89.8,	22	13.7,	306.8,	285.7,	-120.5,	-87.3,
23	13.7,	275.8,	314.0,	-119.6,	-82.2,	24	13.7,	236.4,	332.7,	-115.0,	-74.6,
25	13.7,	189.9,	341.3,	-107.0,	-64.8,	26	13.7,	138.4,	339.6,	-95.7,	-53.3,
27	13.7,	101.5,	333.6,	-85.3,	-41.5,	28	13.7,	154.2,	341.4,	-84.2,	-25.2,
29	13.7,	204.2,	340.1,	-80.5,	-9.3,	30	13.7,	248.8,	328.4,	-74.4,	6.6,
31	13.7,	285.7,	306.8,	-66.0,	22.4,	32	13.7,	314.0,	275.8,	-55.6,	37.4,
33	13.7,	332.7,	236.4,	-43.6,	51.3,	34	13.7,	341.3,	189.9,	-30.2,	63.7,
35	13.7,	339.6,	138.4,	-15.9,	74.1,	36	13.7,	333.6,	101.5,	-9.2,	81.5,

SOURCE ID: IDLE44

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-52.7,	90.5,	2	13.7,	340.1,	204.2,	-94.4,	93.2,
3	13.7,	328.4,	248.8,	-133.2,	93.2,	4	13.7,	306.8,	285.7,	-168.0,	90.3,
5	13.7,	275.8,	314.0,	-197.6,	84.7,	6	13.7,	236.4,	332.7,	-221.3,	76.5,
7	13.7,	189.9,	341.3,	-238.2,	65.9,	8	13.7,	138.4,	339.6,	-247.9,	53.8,
9	13.7,	101.5,	333.6,	-252.4,	41.2,	10	13.7,	154.2,	341.4,	-261.2,	24.3,
11	13.7,	204.2,	340.1,	-263.3,	7.7,	12	13.7,	248.8,	328.4,	-257.4,	-8.8,
13	13.7,	285.7,	306.8,	-243.7,	-25.1,	14	13.7,	314.0,	275.8,	-222.6,	-40.6,
15	13.7,	332.7,	236.4,	-194.7,	-54.9,	16	13.7,	341.3,	189.9,	-160.9,	-67.5,
17	13.7,	339.6,	138.4,	-123.0,	-78.1,	18	13.7,	333.6,	101.5,	-92.0,	-85.6,
19	13.7,	341.4,	154.2,	-101.4,	-90.5,	20	13.7,	340.1,	204.2,	-109.8,	-93.2,
21	13.7,	328.4,	248.8,	-115.5,	-93.2,	22	13.7,	306.8,	285.7,	-117.7,	-90.3,
23	13.7,	275.8,	314.0,	-116.3,	-84.7,	24	13.7,	236.4,	332.7,	-111.4,	-76.5,
25	13.7,	189.9,	341.3,	-103.1,	-65.9,	26	13.7,	138.4,	339.6,	-91.7,	-53.8,
27	13.7,	101.5,	333.6,	-81.2,	-41.2,	28	13.7,	154.2,	341.4,	-80.2,	-24.3,
29	13.7,	204.2,	340.1,	-76.8,	-7.7,	30	13.7,	248.8,	328.4,	-71.0,	8.8,
31	13.7,	285.7,	306.8,	-63.1,	25.1,	32	13.7,	314.0,	275.8,	-53.2,	40.6,
33	13.7,	332.7,	236.4,	-41.8,	54.9,	34	13.7,	341.3,	189.9,	-29.0,	67.5,
35	13.7,	339.6,	138.4,	-15.4,	78.1,	36	13.7,	333.6,	101.5,	-9.5,	85.6,

\*\*\* AERMOD - VERSION 23132 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAS\15639 Sprechels\15639 Ops HRA\1 \*\*\* 09/20/24

\*\*\* AERMET - VERSION 21112 \*\*\*

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: IDLE45

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-53.4,	94.2,	2	13.7,	340.1,	204.2,	-95.8,	96.8,
3	13.7,	328.4,	248.8,	-135.2,	96.5,	4	13.7,	306.8,	285.7,	-170.5,	93.2,
5	13.7,	275.8,	314.0,	-200.6,	87.1,	6	13.7,	236.4,	332.7,	-224.6,	78.3,
7	13.7,	189.9,	341.3,	-241.8,	67.2,	8	13.7,	138.4,	339.6,	-251.6,	54.4,
9	13.7,	101.5,	333.6,	-256.2,	41.2,	10	13.7,	154.2,	341.4,	-264.9,	23.6,
11	13.7,	204.2,	340.1,	-266.8,	6.4,	12	13.7,	248.8,	328.4,	-260.7,	-10.8,
13	13.7,	285.7,	306.8,	-246.6,	-27.6,	14	13.7,	314.0,	275.8,	-225.0,	-43.6,
15	13.7,	332.7,	236.4,	-196.5,	-58.2,	16	13.7,	341.3,	189.9,	-162.1,	-71.1,
17	13.7,	339.6,	138.4,	-123.6,	-81.8,	18	13.7,	333.6,	101.5,	-91.9,	-89.4,
19	13.7,	341.4,	154.2,	-100.7,	-94.2,	20	13.7,	340.1,	204.2,	-108.5,	-96.8,
21	13.7,	328.4,	248.8,	-113.6,	-96.5,	22	13.7,	306.8,	285.7,	-115.2,	-93.2,

23	13.7,	275.8,	314.0,	-113.4,	-87.1,	24	13.7,	236.4,	332.7,	-108.1,	-78.3,
25	13.7,	189.9,	341.3,	-99.5,	-67.2,	26	13.7,	138.4,	339.6,	-87.9,	-54.4,
27	13.7,	101.5,	333.6,	-77.4,	-41.2,	28	13.7,	154.2,	341.4,	-76.5,	-23.6,
29	13.7,	204.2,	340.1,	-73.2,	-6.4,	30	13.7,	248.8,	328.4,	-67.7,	10.8,
31	13.7,	285.7,	306.8,	-60.2,	27.6,	32	13.7,	314.0,	275.8,	-50.8,	43.6,
33	13.7,	332.7,	236.4,	-39.9,	58.2,	34	13.7,	341.3,	189.9,	-27.8,	71.1,
35	13.7,	339.6,	138.4,	-14.8,	81.9,	36	13.7,	333.6,	101.5,	-9.5,	89.4,

SOURCE ID: IDLE46

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-54.3,	98.1,	2	13.7,	340.1,	204.2,	-97.2,	100.5,
3	13.7,	328.4,	248.8,	-137.3,	99.9,	4	13.7,	306.8,	285.7,	-173.1,	96.2,
5	13.7,	275.8,	314.0,	-203.7,	89.5,	6	13.7,	236.4,	332.7,	-228.1,	80.2,
7	13.7,	189.9,	341.3,	-245.6,	68.4,	8	13.7,	138.4,	339.6,	-255.6,	55.0,
9	13.7,	101.5,	333.6,	-260.2,	41.1,	10	13.7,	154.2,	341.4,	-268.8,	22.8,
11	13.7,	204.2,	340.1,	-270.6,	4.9,	12	13.7,	248.8,	328.4,	-264.1,	-12.9,
13	13.7,	285.7,	306.8,	-249.5,	-30.3,	14	13.7,	314.0,	275.8,	-227.4,	-46.7,
15	13.7,	332.7,	236.4,	-198.4,	-61.8,	16	13.7,	341.3,	189.9,	-163.4,	-74.9,
17	13.7,	339.6,	138.4,	-124.1,	-85.8,	18	13.7,	333.6,	101.5,	-91.8,	-93.4,
19	13.7,	341.4,	154.2,	-99.9,	-98.1,	20	13.7,	340.1,	204.2,	-107.0,	-100.5,
21	13.7,	328.4,	248.8,	-111.5,	-99.9,	22	13.7,	306.8,	285.7,	-112.6,	-96.2,
23	13.7,	275.8,	314.0,	-110.2,	-89.5,	24	13.7,	236.4,	332.7,	-104.6,	-80.2,
25	13.7,	189.9,	341.3,	-95.7,	-68.4,	26	13.7,	138.4,	339.6,	-84.0,	-55.0,
27	13.7,	101.5,	333.6,	-73.4,	-41.1,	28	13.7,	154.2,	341.4,	-72.6,	-22.8,
29	13.7,	204.2,	340.1,	-69.5,	-4.9,	30	13.7,	248.8,	328.4,	-64.3,	12.9,
31	13.7,	285.7,	306.8,	-57.2,	30.3,	32	13.7,	314.0,	275.8,	-48.3,	46.7,
33	13.7,	332.7,	236.4,	-38.0,	61.8,	34	13.7,	341.3,	189.9,	-26.5,	74.9,
35	13.7,	339.6,	138.4,	-14.2,	85.8,	36	13.7,	333.6,	101.5,	-9.7,	93.4,

SOURCE ID: TRU1

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-18.2,	-92.3,	2	13.7,	340.1,	204.2,	-28.7,	-80.8,
3	13.7,	328.4,	248.8,	-38.3,	-66.8,	4	13.7,	306.8,	285.7,	-46.7,	-50.7,
5	13.7,	275.8,	314.0,	-53.7,	-33.2,	6	13.7,	236.4,	332.7,	-59.1,	-14.6,
7	13.7,	189.9,	341.3,	-62.7,	4.4,	8	13.7,	138.4,	339.6,	-64.3,	23.7,
9	13.7,	101.5,	333.6,	-66.4,	43.5,	10	13.7,	154.2,	341.4,	-78.4,	58.8,
11	13.7,	204.2,	340.1,	-89.3,	73.4,	12	13.7,	248.8,	328.4,	-97.5,	86.1,
13	13.7,	285.7,	306.8,	-102.6,	96.1,	14	13.7,	314.0,	275.8,	-104.7,	103.3,
15	13.7,	332.7,	236.4,	-103.6,	107.3,	16	13.7,	341.3,	189.9,	-99.4,	108.0,
17	13.7,	339.6,	138.4,	-92.9,	105.5,	18	13.7,	333.6,	101.5,	-94.2,	100.4,
19	13.7,	341.4,	154.2,	-135.9,	92.3,	20	13.7,	340.1,	204.2,	-175.6,	80.8,
21	13.7,	328.4,	248.8,	-210.5,	66.8,	22	13.7,	306.8,	285.7,	-239.0,	50.7,
23	13.7,	275.8,	314.0,	-260.3,	33.2,	24	13.7,	236.4,	332.7,	-273.6,	14.6,
25	13.7,	189.9,	341.3,	-278.7,	-4.4,	26	13.7,	138.4,	339.6,	-275.2,	-23.7,
27	13.7,	101.5,	333.6,	-267.2,	-43.5,	28	13.7,	154.2,	341.4,	-263.0,	-58.8,
29	13.7,	204.2,	340.1,	-250.8,	-73.4,	30	13.7,	248.8,	328.4,	-231.0,	-86.1,
31	13.7,	285.7,	306.8,	-204.1,	-96.1,	32	13.7,	314.0,	275.8,	-171.1,	-103.3,
33	13.7,	332.7,	236.4,	-132.8,	-107.3,	34	13.7,	341.3,	189.9,	-90.5,	-108.0,
35	13.7,	339.6,	138.4,	-45.5,	-105.5,	36	13.7,	333.6,	101.5,	-7.2,	-100.4,

SOURCE ID: TRU2

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-18.9,	-88.4,	2	13.7,	340.1,	204.2,	-30.0,	-77.0,
3	13.7,	328.4,	248.8,	-40.2,	-63.3,	4	13.7,	306.8,	285.7,	-49.2,	-47.6,
5	13.7,	275.8,	314.0,	-56.7,	-30.6,	6	13.7,	236.4,	332.7,	-62.5,	-12.6,
7	13.7,	189.9,	341.3,	-66.4,	5.8,	8	13.7,	138.4,	339.6,	-68.2,	24.4,
9	13.7,	101.5,	333.6,	-70.3,	43.5,	10	13.7,	154.2,	341.4,	-82.3,	58.2,
11	13.7,	204.2,	340.1,	-93.0,	72.1,	12	13.7,	248.8,	328.4,	-100.9,	84.1,
13	13.7,	285.7,	306.8,	-105.7,	93.6,	14	13.7,	314.0,	275.8,	-107.3,	100.2,
15	13.7,	332.7,	236.4,	-105.7,	103.8,	16	13.7,	341.3,	189.9,	-100.8,	104.3,
17	13.7,	339.6,	138.4,	-93.6,	101.5,	18	13.7,	333.6,	101.5,	-94.3,	96.4,
19	13.7,	341.4,	154.2,	-135.3,	88.4,	20	13.7,	340.1,	204.2,	-174.2,	77.0,
21	13.7,	328.4,	248.8,	-208.5,	63.3,	22	13.7,	306.8,	285.7,	-236.5,	47.6,

23	13.7,	275.8,	314.0,	-257.2,	30.6,	24	13.7,	236.4,	332.7,	-270.2,	12.6,
25	13.7,	189.9,	341.3,	-274.9,	-5.8,	26	13.7,	138.4,	339.6,	-271.3,	-24.4,
27	13.7,	101.5,	333.6,	-263.2,	-43.5,	28	13.7,	154.2,	341.4,	-259.1,	-58.2,
29	13.7,	204.2,	340.1,	-247.0,	-72.1,	30	13.7,	248.8,	328.4,	-227.5,	-84.1,
31	13.7,	285.7,	306.8,	-201.0,	-93.6,	32	13.7,	314.0,	275.8,	-168.5,	-100.2,
33	13.7,	332.7,	236.4,	-130.8,	-103.8,	34	13.7,	341.3,	189.9,	-89.1,	-104.3,
35	13.7,	339.6,	138.4,	-44.8,	-101.5,	36	13.7,	333.6,	101.5,	-7.2,	-96.4,

\*\*\* AERMOD - VERSION 23132 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\15639  
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\*\*\* AERMET - VERSION 21112 \*\*\*  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: TRU3

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-19.7,	-84.5,	2	13.7,	340.1,	204.2,	-31.5,	-73.4,
3	13.7,	328.4,	248.8,	-42.3,	-60.0,	4	13.7,	306.8,	285.7,	-51.8,	-44.7,
5	13.7,	275.8,	314.0,	-59.8,	-28.2,	6	13.7,	236.4,	332.7,	-66.0,	-10.7,
7	13.7,	189.9,	341.3,	-70.1,	7.1,	8	13.7,	138.4,	339.6,	-72.1,	25.0,
9	13.7,	101.5,	333.6,	-74.3,	43.4,	10	13.7,	154.2,	341.4,	-86.2,	57.4,
11	13.7,	204.2,	340.1,	-96.7,	70.7,	12	13.7,	248.8,	328.4,	-104.2,	82.1,
13	13.7,	285.7,	306.8,	-108.6,	91.0,	14	13.7,	314.0,	275.8,	-109.7,	97.2,
15	13.7,	332.7,	236.4,	-107.5,	100.4,	16	13.7,	341.3,	189.9,	-102.0,	100.6,
17	13.7,	339.6,	138.4,	-94.2,	97.7,	18	13.7,	333.6,	101.5,	-94.1,	92.5,
19	13.7,	341.4,	154.2,	-134.5,	84.5,	20	13.7,	340.1,	204.2,	-172.8,	73.4,
21	13.7,	328.4,	248.8,	-206.5,	60.0,	22	13.7,	306.8,	285.7,	-233.9,	44.7,
23	13.7,	275.8,	314.0,	-254.2,	28.2,	24	13.7,	236.4,	332.7,	-266.7,	10.7,
25	13.7,	189.9,	341.3,	-271.2,	-7.1,	26	13.7,	138.4,	339.6,	-267.4,	-25.0,
27	13.7,	101.5,	333.6,	-259.3,	-43.4,	28	13.7,	154.2,	341.4,	-255.2,	-57.4,
29	13.7,	204.2,	340.1,	-243.4,	-70.7,	30	13.7,	248.8,	328.4,	-224.2,	-82.1,
31	13.7,	285.7,	306.8,	-198.1,	-91.0,	32	13.7,	314.0,	275.8,	-166.0,	-97.2,
33	13.7,	332.7,	236.4,	-128.9,	-100.4,	34	13.7,	341.3,	189.9,	-87.9,	-100.6,
35	13.7,	339.6,	138.4,	-44.2,	-97.7,	36	13.7,	333.6,	101.5,	-7.3,	-92.5,

SOURCE ID: TRU4

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-20.4,	-80.8,	2	13.7,	340.1,	204.2,	-32.9,	-69.8,
3	13.7,	328.4,	248.8,	-44.3,	-56.7,	4	13.7,	306.8,	285.7,	-54.4,	-41.8,
5	13.7,	275.8,	314.0,	-62.8,	-25.7,	6	13.7,	236.4,	332.7,	-69.3,	-8.9,
7	13.7,	189.9,	341.3,	-73.8,	8.3,	8	13.7,	138.4,	339.6,	-75.9,	25.6,
9	13.7,	101.5,	333.6,	-78.1,	43.3,	10	13.7,	154.2,	341.4,	-90.0,	56.6,
11	13.7,	204.2,	340.1,	-100.3,	69.3,	12	13.7,	248.8,	328.4,	-107.5,	80.1,
13	13.7,	285.7,	306.8,	-111.5,	88.5,	14	13.7,	314.0,	275.8,	-112.2,	94.2,
15	13.7,	332.7,	236.4,	-109.4,	97.0,	16	13.7,	341.3,	189.9,	-103.2,	96.9,
17	13.7,	339.6,	138.4,	-94.8,	93.8,	18	13.7,	333.6,	101.5,	-94.1,	88.7,
19	13.7,	341.4,	154.2,	-133.7,	80.8,	20	13.7,	340.1,	204.2,	-171.4,	69.8,
21	13.7,	328.4,	248.8,	-204.5,	56.7,	22	13.7,	306.8,	285.7,	-231.3,	41.8,
23	13.7,	275.8,	314.0,	-251.2,	25.7,	24	13.7,	236.4,	332.7,	-263.4,	8.9,
25	13.7,	189.9,	341.3,	-267.6,	-8.3,	26	13.7,	138.4,	339.6,	-263.6,	-25.6,
27	13.7,	101.5,	333.6,	-255.5,	-43.3,	28	13.7,	154.2,	341.4,	-251.5,	-56.6,
29	13.7,	204.2,	340.1,	-239.8,	-69.3,	30	13.7,	248.8,	328.4,	-220.9,	-80.1,
31	13.7,	285.7,	306.8,	-195.2,	-88.5,	32	13.7,	314.0,	275.8,	-163.6,	-94.2,
33	13.7,	332.7,	236.4,	-127.1,	-97.0,	34	13.7,	341.3,	189.9,	-86.6,	-96.9,
35	13.7,	339.6,	138.4,	-43.6,	-93.8,	36	13.7,	333.6,	101.5,	-7.4,	-88.7,

SOURCE ID: TRU5

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-21.2,	-76.8,	2	13.7,	340.1,	204.2,	-34.3,	-66.1,

3	13.7,	328.4,	248.8,	-46.4,	-53.3,	4	13.7,	306.8,	285.7,	-57.0,	-38.8,
5	13.7,	275.8,	314.0,	-65.9,	-23.3,	6	13.7,	236.4,	332.7,	-72.8,	-7.0,
7	13.7,	189.9,	341.3,	-77.5,	9.6,	8	13.7,	138.4,	339.6,	-79.9,	26.2,
9	13.7,	101.5,	333.6,	-82.1,	43.2,	10	13.7,	154.2,	341.4,	-93.8,	55.8,
11	13.7,	204.2,	340.1,	-104.0,	67.8,	12	13.7,	248.8,	328.4,	-110.9,	78.0,
13	13.7,	285.7,	306.8,	-114.5,	85.8,	14	13.7,	314.0,	275.8,	-114.6,	91.0,
15	13.7,	332.7,	236.4,	-111.2,	93.5,	16	13.7,	341.3,	189.9,	-104.5,	93.1,
17	13.7,	339.6,	138.4,	-95.3,	89.9,	18	13.7,	333.6,	101.5,	-94.0,	84.7,
19	13.7,	341.4,	154.2,	-132.9,	76.8,	20	13.7,	340.1,	204.2,	-169.9,	66.1,
21	13.7,	328.4,	248.8,	-202.4,	53.3,	22	13.7,	306.8,	285.7,	-228.7,	38.8,
23	13.7,	275.8,	314.0,	-248.0,	23.3,	24	13.7,	236.4,	332.7,	-259.9,	7.0,
25	13.7,	189.9,	341.3,	-263.8,	-9.6,	26	13.7,	138.4,	339.6,	-259.7,	-26.2,
27	13.7,	101.5,	333.6,	-251.5,	-43.2,	28	13.7,	154.2,	341.4,	-247.6,	-55.8,
29	13.7,	204.2,	340.1,	-236.1,	-67.8,	30	13.7,	248.8,	328.4,	-217.5,	-78.0,
31	13.7,	285.7,	306.8,	-192.2,	-85.8,	32	13.7,	314.0,	275.8,	-161.2,	-91.0,
33	13.7,	332.7,	236.4,	-125.2,	-93.5,	34	13.7,	341.3,	189.9,	-85.4,	-93.1,
35	13.7,	339.6,	138.4,	-43.0,	-89.9,	36	13.7,	333.6,	101.5,	-7.5,	-84.7,

SOURCE ID: TRU6

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-22.9,	-69.1,	2	13.7,	340.1,	204.2,	-37.3,	-58.7,
3	13.7,	328.4,	248.8,	-50.6,	-46.5,	4	13.7,	306.8,	285.7,	-62.3,	-33.0,
5	13.7,	275.8,	314.0,	-72.2,	-18.4,	6	13.7,	236.4,	332.7,	-79.9,	-3.2,
7	13.7,	189.9,	341.3,	-85.1,	12.0,	8	13.7,	138.4,	339.6,	-87.7,	27.2,
9	13.7,	101.5,	333.6,	-90.0,	42.9,	10	13.7,	154.2,	341.4,	-101.6,	54.2,
11	13.7,	204.2,	340.1,	-111.3,	64.8,	12	13.7,	248.8,	328.4,	-117.7,	73.8,
13	13.7,	285.7,	306.8,	-120.4,	80.5,	14	13.7,	314.0,	275.8,	-119.5,	84.8,
15	13.7,	332.7,	236.4,	-115.0,	86.5,	16	13.7,	341.3,	189.9,	-106.9,	85.6,
17	13.7,	339.6,	138.4,	-96.4,	82.0,	18	13.7,	333.6,	101.5,	-93.7,	76.8,
19	13.7,	341.4,	154.2,	-131.2,	69.1,	20	13.7,	340.1,	204.2,	-166.9,	58.7,
21	13.7,	328.4,	248.8,	-198.2,	46.5,	22	13.7,	306.8,	285.7,	-223.4,	33.0,
23	13.7,	275.8,	314.0,	-241.8,	18.4,	24	13.7,	236.4,	332.7,	-252.8,	3.2,
25	13.7,	189.9,	341.3,	-256.2,	-12.0,	26	13.7,	138.4,	339.6,	-251.8,	-27.2,
27	13.7,	101.5,	333.6,	-243.6,	-42.9,	28	13.7,	154.2,	341.4,	-239.8,	-54.2,
29	13.7,	204.2,	340.1,	-228.7,	-64.8,	30	13.7,	248.8,	328.4,	-210.7,	-73.8,
31	13.7,	285.7,	306.8,	-186.3,	-80.5,	32	13.7,	314.0,	275.8,	-156.3,	-84.8,
33	13.7,	332.7,	236.4,	-121.5,	-86.5,	34	13.7,	341.3,	189.9,	-83.0,	-85.6,
35	13.7,	339.6,	138.4,	-41.9,	-82.0,	36	13.7,	333.6,	101.5,	-7.8,	-76.8,

\*\*\* AERMOD - VERSION 23132 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\15639 Sprechels\15639 Ops HRA\1 \*\*\* 09/20/24

\*\*\* AERMET - VERSION 21112 \*\*\*

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: TRU7

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-23.6,	-65.2,	2	13.7,	340.1,	204.2,	-38.6,	-54.9,
3	13.7,	328.4,	248.8,	-52.6,	-43.1,	4	13.7,	306.8,	285.7,	-64.9,	-29.9,
5	13.7,	275.8,	314.0,	-75.2,	-15.8,	6	13.7,	236.4,	332.7,	-83.3,	-1.2,
7	13.7,	189.9,	341.3,	-88.8,	13.4,	8	13.7,	138.4,	339.6,	-91.6,	28.0,
9	13.7,	101.5,	333.6,	-94.0,	43.0,	10	13.7,	154.2,	341.4,	-105.5,	53.5,
11	13.7,	204.2,	340.1,	-115.1,	63.5,	12	13.7,	248.8,	328.4,	-121.1,	71.8,
13	13.7,	285.7,	306.8,	-123.5,	78.0,	14	13.7,	314.0,	275.8,	-122.1,	81.8,
15	13.7,	332.7,	236.4,	-117.0,	83.1,	16	13.7,	341.3,	189.9,	-108.3,	81.8,
17	13.7,	339.6,	138.4,	-97.1,	78.1,	18	13.7,	333.6,	101.5,	-93.7,	72.8,
19	13.7,	341.4,	154.2,	-130.6,	65.2,	20	13.7,	340.1,	204.2,	-165.6,	54.9,
21	13.7,	328.4,	248.8,	-196.2,	43.1,	22	13.7,	306.8,	285.7,	-220.8,	29.9,
23	13.7,	275.8,	314.0,	-238.7,	15.8,	24	13.7,	236.4,	332.7,	-249.4,	1.2,
25	13.7,	189.9,	341.3,	-252.5,	-13.4,	26	13.7,	138.4,	339.6,	-247.9,	-28.0,

27	13.7,	101.5,	333.6,	-239.6,	-43.0,	28	13.7,	154.2,	341.4,	-235.9,	-53.5,
29	13.7,	204.2,	340.1,	-225.0,	-63.5,	30	13.7,	248.8,	328.4,	-207.3,	-71.8,
31	13.7,	285.7,	306.8,	-183.3,	-78.0,	32	13.7,	314.0,	275.8,	-153.7,	-81.8,
33	13.7,	332.7,	236.4,	-119.4,	-83.1,	34	13.7,	341.3,	189.9,	-81.5,	-81.8,
35	13.7,	339.6,	138.4,	-41.2,	-78.1,	36	13.7,	333.6,	101.5,	-7.8,	-72.8,

SOURCE ID: TRU8

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-24.4,	-61.3,	2	13.7,	340.1,	204.2,	-40.1,	-51.3,
3	13.7,	328.4,	248.8,	-54.6,	-39.7,	4	13.7,	306.8,	285.7,	-67.5,	-27.0,
5	13.7,	275.8,	314.0,	-78.3,	-13.4,	6	13.7,	236.4,	332.7,	-86.7,	0.6,
7	13.7,	189.9,	341.3,	-92.5,	14.6,	8	13.7,	138.4,	339.6,	-95.5,	28.5,
9	13.7,	101.5,	333.6,	-97.9,	42.9,	10	13.7,	154.2,	341.4,	-109.4,	52.7,
11	13.7,	204.2,	340.1,	-118.7,	62.0,	12	13.7,	248.8,	328.4,	-124.5,	69.8,
13	13.7,	285.7,	306.8,	-126.4,	75.4,	14	13.7,	314.0,	275.8,	-124.5,	78.7,
15	13.7,	332.7,	236.4,	-118.8,	79.6,	16	13.7,	341.3,	189.9,	-109.6,	78.1,
17	13.7,	339.6,	138.4,	-97.7,	74.3,	18	13.7,	333.6,	101.5,	-93.6,	68.9,
19	13.7,	341.4,	154.2,	-129.8,	61.3,	20	13.7,	340.1,	204.2,	-164.2,	51.3,
21	13.7,	328.4,	248.8,	-194.1,	39.7,	22	13.7,	306.8,	285.7,	-218.2,	27.0,
23	13.7,	275.8,	314.0,	-235.7,	13.4,	24	13.7,	236.4,	332.7,	-246.0,	-0.6,
25	13.7,	189.9,	341.3,	-248.8,	-14.6,	26	13.7,	138.4,	339.6,	-244.0,	-28.5,
27	13.7,	101.5,	333.6,	-235.7,	-42.9,	28	13.7,	154.2,	341.4,	-232.0,	-52.7,
29	13.7,	204.2,	340.1,	-221.4,	-62.0,	30	13.7,	248.8,	328.4,	-203.9,	-69.8,
31	13.7,	285.7,	306.8,	-180.3,	-75.4,	32	13.7,	314.0,	275.8,	-151.3,	-78.7,
33	13.7,	332.7,	236.4,	-117.6,	-79.6,	34	13.7,	341.3,	189.9,	-80.3,	-78.1,
35	13.7,	339.6,	138.4,	-40.6,	-74.3,	36	13.7,	333.6,	101.5,	-7.9,	-68.9,

SOURCE ID: TRU9

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-25.1,	-57.5,	2	13.7,	340.1,	204.2,	-41.5,	-47.7,
3	13.7,	328.4,	248.8,	-56.6,	-36.4,	4	13.7,	306.8,	285.7,	-70.0,	-24.1,
5	13.7,	275.8,	314.0,	-81.3,	-11.0,	6	13.7,	236.4,	332.7,	-90.1,	2.5,
7	13.7,	189.9,	341.3,	-96.2,	15.9,	8	13.7,	138.4,	339.6,	-99.3,	29.1,
9	13.7,	101.5,	333.6,	-101.8,	42.8,	10	13.7,	154.2,	341.4,	-113.2,	52.0,
11	13.7,	204.2,	340.1,	-122.3,	60.6,	12	13.7,	248.8,	328.4,	-127.8,	67.8,
13	13.7,	285.7,	306.8,	-129.3,	72.8,	14	13.7,	314.0,	275.8,	-126.9,	75.7,
15	13.7,	332.7,	236.4,	-120.7,	76.2,	16	13.7,	341.3,	189.9,	-110.8,	74.5,
17	13.7,	339.6,	138.4,	-98.3,	70.4,	18	13.7,	333.6,	101.5,	-93.5,	65.0,
19	13.7,	341.4,	154.2,	-129.1,	57.5,	20	13.7,	340.1,	204.2,	-162.8,	47.7,
21	13.7,	328.4,	248.8,	-192.1,	36.4,	22	13.7,	306.8,	285.7,	-215.7,	24.1,
23	13.7,	275.8,	314.0,	-232.7,	11.0,	24	13.7,	236.4,	332.7,	-242.6,	-2.5,
25	13.7,	189.9,	341.3,	-245.1,	-15.9,	26	13.7,	138.4,	339.6,	-240.2,	-29.1,
27	13.7,	101.5,	333.6,	-231.8,	-42.8,	28	13.7,	154.2,	341.4,	-228.2,	-52.0,
29	13.7,	204.2,	340.1,	-217.8,	-60.6,	30	13.7,	248.8,	328.4,	-200.6,	-67.8,
31	13.7,	285.7,	306.8,	-177.4,	-72.8,	32	13.7,	314.0,	275.8,	-148.8,	-75.7,
33	13.7,	332.7,	236.4,	-115.7,	-76.2,	34	13.7,	341.3,	189.9,	-79.1,	-74.5,
35	13.7,	339.6,	138.4,	-40.0,	-70.4,	36	13.7,	333.6,	101.5,	-8.0,	-65.0,

SOURCE ID: TRU10

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-25.9,	-53.6,	2	13.7,	340.1,	204.2,	-43.0,	-44.0,
3	13.7,	328.4,	248.8,	-58.7,	-33.0,	4	13.7,	306.8,	285.7,	-72.7,	-21.1,
5	13.7,	275.8,	314.0,	-84.4,	-8.5,	6	13.7,	236.4,	332.7,	-93.6,	4.4,
7	13.7,	189.9,	341.3,	-100.0,	17.1,	8	13.7,	138.4,	339.6,	-103.3,	29.7,
9	13.7,	101.5,	333.6,	-105.8,	42.7,	10	13.7,	154.2,	341.4,	-117.1,	51.2,
11	13.7,	204.2,	340.1,	-126.0,	59.2,	12	13.7,	248.8,	328.4,	-131.1,	65.7,
13	13.7,	285.7,	306.8,	-132.3,	70.2,	14	13.7,	314.0,	275.8,	-129.4,	72.5,
15	13.7,	332.7,	236.4,	-122.6,	72.7,	16	13.7,	341.3,	189.9,	-112.1,	70.7,
17	13.7,	339.6,	138.4,	-98.9,	66.5,	18	13.7,	333.6,	101.5,	-93.4,	61.0,
19	13.7,	341.4,	154.2,	-128.2,	53.6,	20	13.7,	340.1,	204.2,	-161.3,	44.0,
21	13.7,	328.4,	248.8,	-190.0,	33.0,	22	13.7,	306.8,	285.7,	-213.0,	21.1,
23	13.7,	275.8,	314.0,	-229.5,	8.5,	24	13.7,	236.4,	332.7,	-239.1,	-4.4,
25	13.7,	189.9,	341.3,	-241.3,	-17.1,	26	13.7,	138.4,	339.6,	-236.3,	-29.7,

27	13.7,	101.5,	333.6,	-227.8,	-42.7,	28	13.7,	154.2,	341.4,	-224.3,	-51.2,
29	13.7,	204.2,	340.1,	-214.1,	-59.2,	30	13.7,	248.8,	328.4,	-197.2,	-65.7,
31	13.7,	285.7,	306.8,	-174.5,	-70.2,	32	13.7,	314.0,	275.8,	-146.4,	-72.5,
33	13.7,	332.7,	236.4,	-113.8,	-72.7,	34	13.7,	341.3,	189.9,	-77.8,	-70.7,
35	13.7,	339.6,	138.4,	-39.5,	-66.5,	36	13.7,	333.6,	101.5,	-8.1,	-61.0,

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 \*\*\* AERMET - VERSION 21112 \*\*\*  
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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    URBAN    ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: TRU11

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-26.8,	-49.7,	2	13.7,	340.1,	204.2,	-44.5,	-40.3,
3	13.7,	328.4,	248.8,	-60.9,	-29.7,	4	13.7,	306.8,	285.7,	-75.4,	-18.1,
5	13.7,	275.8,	314.0,	-87.7,	-6.0,	6	13.7,	236.4,	332.7,	-97.2,	6.2,
7	13.7,	189.9,	341.3,	-103.8,	18.3,	8	13.7,	138.4,	339.6,	-107.3,	30.2,
9	13.7,	101.5,	333.6,	-109.8,	42.4,	10	13.7,	154.2,	341.4,	-121.0,	50.3,
11	13.7,	204.2,	340.1,	-129.8,	57.6,	12	13.7,	248.8,	328.4,	-134.6,	63.5,
13	13.7,	285.7,	306.8,	-135.2,	67.4,	14	13.7,	314.0,	275.8,	-131.9,	69.3,
15	13.7,	332.7,	236.4,	-124.4,	69.1,	16	13.7,	341.3,	189.9,	-113.2,	66.8,
17	13.7,	339.6,	138.4,	-99.4,	62.5,	18	13.7,	333.6,	101.5,	-93.2,	57.0,
19	13.7,	341.4,	154.2,	-127.3,	49.7,	20	13.7,	340.1,	204.2,	-159.7,	40.3,
21	13.7,	328.4,	248.8,	-187.8,	29.7,	22	13.7,	306.8,	285.7,	-210.3,	18.1,
23	13.7,	275.8,	314.0,	-226.3,	6.0,	24	13.7,	236.4,	332.7,	-235.5,	-6.2,
25	13.7,	189.9,	341.3,	-237.5,	-18.3,	26	13.7,	138.4,	339.6,	-232.3,	-30.2,
27	13.7,	101.5,	333.6,	-223.8,	-42.4,	28	13.7,	154.2,	341.4,	-220.4,	-50.3,
29	13.7,	204.2,	340.1,	-210.3,	-57.6,	30	13.7,	248.8,	328.4,	-193.9,	-63.5,
31	13.7,	285.7,	306.8,	-171.5,	-67.4,	32	13.7,	314.0,	275.8,	-143.9,	-69.3,
33	13.7,	332.7,	236.4,	-112.0,	-69.1,	34	13.7,	341.3,	189.9,	-76.6,	-66.8,
35	13.7,	339.6,	138.4,	-39.0,	-62.5,	36	13.7,	333.6,	101.5,	-8.3,	-57.0,

SOURCE ID: TRU12

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-27.6,	-45.7,	2	13.7,	340.1,	204.2,	-46.0,	-36.5,
3	13.7,	328.4,	248.8,	-63.0,	-26.2,	4	13.7,	306.8,	285.7,	-78.1,	-15.1,
5	13.7,	275.8,	314.0,	-90.8,	-3.5,	6	13.7,	236.4,	332.7,	-100.7,	8.2,
7	13.7,	189.9,	341.3,	-107.6,	19.6,	8	13.7,	138.4,	339.6,	-111.3,	30.9,
9	13.7,	101.5,	333.6,	-113.8,	42.4,	10	13.7,	154.2,	341.4,	-125.0,	49.5,
11	13.7,	204.2,	340.1,	-133.5,	56.2,	12	13.7,	248.8,	328.4,	-138.0,	61.4,
13	13.7,	285.7,	306.8,	-138.3,	64.8,	14	13.7,	314.0,	275.8,	-134.4,	66.2,
15	13.7,	332.7,	236.4,	-126.4,	65.6,	16	13.7,	341.3,	189.9,	-114.6,	63.0,
17	13.7,	339.6,	138.4,	-100.0,	58.5,	18	13.7,	333.6,	101.5,	-93.1,	52.9,
19	13.7,	341.4,	154.2,	-126.6,	45.7,	20	13.7,	340.1,	204.2,	-158.3,	36.5,
21	13.7,	328.4,	248.8,	-185.8,	26.2,	22	13.7,	306.8,	285.7,	-207.6,	15.1,
23	13.7,	275.8,	314.0,	-223.2,	3.5,	24	13.7,	236.4,	332.7,	-232.0,	-8.2,
25	13.7,	189.9,	341.3,	-233.7,	-19.6,	26	13.7,	138.4,	339.6,	-228.3,	-30.9,
27	13.7,	101.5,	333.6,	-219.8,	-42.4,	28	13.7,	154.2,	341.4,	-216.4,	-49.5,
29	13.7,	204.2,	340.1,	-206.6,	-56.2,	30	13.7,	248.8,	328.4,	-190.4,	-61.4,
31	13.7,	285.7,	306.8,	-168.4,	-64.8,	32	13.7,	314.0,	275.8,	-141.4,	-66.2,
33	13.7,	332.7,	236.4,	-110.0,	-65.6,	34	13.7,	341.3,	189.9,	-75.3,	-63.0,
35	13.7,	339.6,	138.4,	-38.3,	-58.5,	36	13.7,	333.6,	101.5,	-8.3,	-52.9,

SOURCE ID: TRU13

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-29.3,	-38.2,	2	13.7,	340.1,	204.2,	-49.0,	-29.4,
3	13.7,	328.4,	248.8,	-67.2,	-19.7,	4	13.7,	306.8,	285.7,	-83.3,	-9.4,
5	13.7,	275.8,	314.0,	-96.9,	1.2,	6	13.7,	236.4,	332.7,	-107.6,	11.7,



7	13.7,	189.9,	341.3,	-115.0,	21.9,	8	13.7,	138.4,	339.6,	-119.0,	31.8,
9	13.7,	101.5,	333.6,	-121.6,	42.0,	10	13.7,	154.2,	341.4,	-132.5,	47.8,
11	13.7,	204.2,	340.1,	-140.7,	53.2,	12	13.7,	248.8,	328.4,	-144.5,	57.2,
13	13.7,	285.7,	306.8,	-144.0,	59.5,	14	13.7,	314.0,	275.8,	-139.1,	60.0,
15	13.7,	332.7,	236.4,	-130.0,	58.7,	16	13.7,	341.3,	189.9,	-116.9,	55.6,
17	13.7,	339.6,	138.4,	-101.0,	50.8,	18	13.7,	333.6,	101.5,	-92.8,	45.2,
19	13.7,	341.4,	154.2,	-124.9,	38.2,	20	13.7,	340.1,	204.2,	-155.3,	29.4,
21	13.7,	328.4,	248.8,	-181.6,	19.7,	22	13.7,	306.8,	285.7,	-202.4,	9.4,
23	13.7,	275.8,	314.0,	-217.0,	-1.2,	24	13.7,	236.4,	332.7,	-225.1,	-11.7,
25	13.7,	189.9,	341.3,	-226.3,	-21.9,	26	13.7,	138.4,	339.6,	-220.6,	-31.8,
27	13.7,	101.5,	333.6,	-212.0,	-42.0,	28	13.7,	154.2,	341.4,	-208.9,	-47.8,
29	13.7,	204.2,	340.1,	-199.4,	-53.2,	30	13.7,	248.8,	328.4,	-183.9,	-57.2,
31	13.7,	285.7,	306.8,	-162.8,	-59.5,	32	13.7,	314.0,	275.8,	-136.7,	-60.0,
33	13.7,	332.7,	236.4,	-106.5,	-58.7,	34	13.7,	341.3,	189.9,	-73.0,	-55.6,
35	13.7,	339.6,	138.4,	-37.3,	-50.8,	36	13.7,	333.6,	101.5,	-8.7,	-45.2,

SOURCE ID: TRU14

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-29.9,	-34.3,	2	13.7,	340.1,	204.2,	-50.3,	-25.6,
3	13.7,	328.4,	248.8,	-69.1,	-16.2,	4	13.7,	306.8,	285.7,	-85.8,	-6.3,
5	13.7,	275.8,	314.0,	-100.0,	3.8,	6	13.7,	236.4,	332.7,	-111.0,	13.8,
7	13.7,	189.9,	341.3,	-118.8,	23.3,	8	13.7,	138.4,	339.6,	-122.9,	32.6,
9	13.7,	101.5,	333.6,	-125.5,	42.1,	10	13.7,	154.2,	341.4,	-136.4,	47.1,
11	13.7,	204.2,	340.1,	-144.4,	51.8,	12	13.7,	248.8,	328.4,	-148.0,	55.3,
13	13.7,	285.7,	306.8,	-147.1,	57.0,	14	13.7,	314.0,	275.8,	-141.7,	57.0,
15	13.7,	332.7,	236.4,	-132.0,	55.3,	16	13.7,	341.3,	189.9,	-118.3,	51.9,
17	13.7,	339.6,	138.4,	-101.7,	46.9,	18	13.7,	333.6,	101.5,	-92.8,	41.2,
19	13.7,	341.4,	154.2,	-124.2,	34.3,	20	13.7,	340.1,	204.2,	-154.0,	25.6,
21	13.7,	328.4,	248.8,	-179.6,	16.2,	22	13.7,	306.8,	285.7,	-199.9,	6.3,
23	13.7,	275.8,	314.0,	-214.0,	-3.8,	24	13.7,	236.4,	332.7,	-221.6,	-13.8,
25	13.7,	189.9,	341.3,	-222.6,	-23.3,	26	13.7,	138.4,	339.6,	-216.7,	-32.6,
27	13.7,	101.5,	333.6,	-208.0,	-42.1,	28	13.7,	154.2,	341.4,	-205.0,	-47.1,
29	13.7,	204.2,	340.1,	-195.7,	-51.8,	30	13.7,	248.8,	328.4,	-180.4,	-55.3,
31	13.7,	285.7,	306.8,	-159.7,	-57.0,	32	13.7,	314.0,	275.8,	-134.1,	-57.0,
33	13.7,	332.7,	236.4,	-104.5,	-55.3,	34	13.7,	341.3,	189.9,	-71.6,	-51.9,
35	13.7,	339.6,	138.4,	-36.6,	-46.9,	36	13.7,	333.6,	101.5,	-8.7,	-41.2,

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 Spreckels\15639 Ops HRA\1 \*\*\* 09/20/24

\*\*\* AERMET - VERSION 21112 \*\*\*  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: TRU15

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-30.7,	-30.4,	2	13.7,	340.1,	204.2,	-51.7,	-22.0,
3	13.7,	328.4,	248.8,	-71.2,	-12.9,	4	13.7,	306.8,	285.7,	-88.4,	-3.4,
5	13.7,	275.8,	314.0,	-103.0,	6.2,	6	13.7,	236.4,	332.7,	-114.5,	15.6,
7	13.7,	189.9,	341.3,	-122.5,	24.6,	8	13.7,	138.4,	339.6,	-126.7,	33.1,
9	13.7,	101.5,	333.6,	-129.5,	41.9,	10	13.7,	154.2,	341.4,	-140.3,	46.3,
11	13.7,	204.2,	340.1,	-148.0,	50.4,	12	13.7,	248.8,	328.4,	-151.3,	53.2,
13	13.7,	285.7,	306.8,	-150.0,	54.4,	14	13.7,	314.0,	275.8,	-144.1,	53.9,
15	13.7,	332.7,	236.4,	-133.8,	51.9,	16	13.7,	341.3,	189.9,	-119.5,	48.2,
17	13.7,	339.6,	138.4,	-102.3,	43.1,	18	13.7,	333.6,	101.5,	-92.7,	37.3,
19	13.7,	341.4,	154.2,	-123.4,	30.4,	20	13.7,	340.1,	204.2,	-152.5,	22.0,
21	13.7,	328.4,	248.8,	-177.6,	12.9,	22	13.7,	306.8,	285.7,	-197.3,	3.4,
23	13.7,	275.8,	314.0,	-210.9,	-6.2,	24	13.7,	236.4,	332.7,	-218.2,	-15.6,
25	13.7,	189.9,	341.3,	-218.9,	-24.6,	26	13.7,	138.4,	339.6,	-212.8,	-33.1,
27	13.7,	101.5,	333.6,	-204.1,	-41.9,	28	13.7,	154.2,	341.4,	-201.2,	-46.3,
29	13.7,	204.2,	340.1,	-192.0,	-50.4,	30	13.7,	248.8,	328.4,	-177.1,	-53.2,

31	13.7,	285.7,	306.8,	-156.8,	-54.4,	32	13.7,	314.0,	275.8,	-131.7,	-53.9,
33	13.7,	332.7,	236.4,	-102.6,	-51.9,	34	13.7,	341.3,	189.9,	-70.4,	-48.2,
35	13.7,	339.6,	138.4,	-36.1,	-43.1,	36	13.7,	333.6,	101.5,	-8.8,	-37.3,

SOURCE ID: TRU16

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-31.5,	-26.7,	2	13.7,	340.1,	204.2,	-53.1,	-18.4,
3	13.7,	328.4,	248.8,	-73.2,	-9.6,	4	13.7,	306.8,	285.7,	-91.0,	-0.5,
5	13.7,	275.8,	314.0,	-106.0,	8.6,	6	13.7,	236.4,	332.7,	-117.9,	17.5,
7	13.7,	189.9,	341.3,	-126.1,	25.8,	8	13.7,	138.4,	339.6,	-130.5,	33.7,
9	13.7,	101.5,	333.6,	-133.3,	41.9,	10	13.7,	154.2,	341.4,	-144.1,	45.6,
11	13.7,	204.2,	340.1,	-151.6,	49.0,	12	13.7,	248.8,	328.4,	-154.6,	51.2,
13	13.7,	285.7,	306.8,	-152.9,	51.9,	14	13.7,	314.0,	275.8,	-146.5,	50.9,
15	13.7,	332.7,	236.4,	-135.7,	48.5,	16	13.7,	341.3,	189.9,	-120.8,	44.5,
17	13.7,	339.6,	138.4,	-102.9,	39.2,	18	13.7,	333.6,	101.5,	-92.6,	33.5,
19	13.7,	341.4,	154.2,	-122.7,	26.7,	20	13.7,	340.1,	204.2,	-151.1,	18.4,
21	13.7,	328.4,	248.8,	-175.6,	9.6,	22	13.7,	306.8,	285.7,	-194.7,	0.5,
23	13.7,	275.8,	314.0,	-207.9,	-8.6,	24	13.7,	236.4,	332.7,	-214.8,	-17.5,
25	13.7,	189.9,	341.3,	-215.2,	-25.8,	26	13.7,	138.4,	339.6,	-209.0,	-33.7,
27	13.7,	101.5,	333.6,	-200.3,	-41.9,	28	13.7,	154.2,	341.4,	-197.4,	-45.6,
29	13.7,	204.2,	340.1,	-188.4,	-49.0,	30	13.7,	248.8,	328.4,	-173.8,	-51.2,
31	13.7,	285.7,	306.8,	-153.9,	-51.9,	32	13.7,	314.0,	275.8,	-129.3,	-50.9,
33	13.7,	332.7,	236.4,	-100.7,	-48.5,	34	13.7,	341.3,	189.9,	-69.1,	-44.5,
35	13.7,	339.6,	138.4,	-35.5,	-39.2,	36	13.7,	333.6,	101.5,	-8.9,	-33.5,


SOURCE ID: TRU17

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-32.3,	-22.8,	2	13.7,	340.1,	204.2,	-54.6,	-14.7,
3	13.7,	328.4,	248.8,	-75.3,	-6.2,	4	13.7,	306.8,	285.7,	-93.6,	2.5,
5	13.7,	275.8,	314.0,	-109.2,	11.1,	6	13.7,	236.4,	332.7,	-121.4,	19.4,
7	13.7,	189.9,	341.3,	-129.9,	27.1,	8	13.7,	138.4,	339.6,	-134.5,	34.3,
9	13.7,	101.5,	333.6,	-137.3,	41.8,	10	13.7,	154.2,	341.4,	-148.0,	44.8,
11	13.7,	204.2,	340.1,	-155.3,	47.5,	12	13.7,	248.8,	328.4,	-158.0,	49.1,
13	13.7,	285.7,	306.8,	-155.9,	49.2,	14	13.7,	314.0,	275.8,	-149.0,	47.8,
15	13.7,	332.7,	236.4,	-137.6,	45.0,	16	13.7,	341.3,	189.9,	-122.0,	40.8,
17	13.7,	339.6,	138.4,	-103.5,	35.3,	18	13.7,	333.6,	101.5,	-92.5,	29.5,
19	13.7,	341.4,	154.2,	-121.9,	22.8,	20	13.7,	340.1,	204.2,	-149.7,	14.7,
21	13.7,	328.4,	248.8,	-173.5,	6.2,	22	13.7,	306.8,	285.7,	-192.1,	-2.5,
23	13.7,	275.8,	314.0,	-204.8,	-11.1,	24	13.7,	236.4,	332.7,	-211.3,	-19.4,
25	13.7,	189.9,	341.3,	-211.4,	-27.1,	26	13.7,	138.4,	339.6,	-205.1,	-34.3,
27	13.7,	101.5,	333.6,	-196.3,	-41.8,	28	13.7,	154.2,	341.4,	-193.5,	-44.8,
29	13.7,	204.2,	340.1,	-184.7,	-47.5,	30	13.7,	248.8,	328.4,	-170.4,	-49.1,
31	13.7,	285.7,	306.8,	-150.9,	-49.2,	32	13.7,	314.0,	275.8,	-126.8,	-47.8,
33	13.7,	332.7,	236.4,	-98.8,	-45.0,	34	13.7,	341.3,	189.9,	-67.9,	-40.8,
35	13.7,	339.6,	138.4,	-34.9,	-35.3,	36	13.7,	333.6,	101.5,	-9.0,	-29.5,

SOURCE ID: TRU18

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-33.2,	-18.8,	2	13.7,	340.1,	204.2,	-56.2,	-11.0,
3	13.7,	328.4,	248.8,	-77.5,	-2.8,	4	13.7,	306.8,	285.7,	-96.4,	5.5,
5	13.7,	275.8,	314.0,	-112.4,	13.5,	6	13.7,	236.4,	332.7,	-125.0,	21.2,
7	13.7,	189.9,	341.3,	-133.8,	28.2,	8	13.7,	138.4,	339.6,	-138.5,	34.8,
9	13.7,	101.5,	333.6,	-141.3,	41.5,	10	13.7,	154.2,	341.4,	-151.9,	43.9,
11	13.7,	204.2,	340.1,	-159.1,	45.9,	12	13.7,	248.8,	328.4,	-161.4,	46.9,
13	13.7,	285.7,	306.8,	-158.8,	46.5,	14	13.7,	314.0,	275.8,	-151.4,	44.6,
15	13.7,	332.7,	236.4,	-139.4,	41.4,	16	13.7,	341.3,	189.9,	-123.2,	36.9,
17	13.7,	339.6,	138.4,	-104.0,	31.3,	18	13.7,	333.6,	101.5,	-92.3,	25.4,
19	13.7,	341.4,	154.2,	-121.0,	18.8,	20	13.7,	340.1,	204.2,	-148.1,	11.0,
21	13.7,	328.4,	248.8,	-171.3,	2.8,	22	13.7,	306.8,	285.7,	-189.3,	-5.5,
23	13.7,	275.8,	314.0,	-201.6,	-13.5,	24	13.7,	236.4,	332.7,	-207.7,	-21.2,
25	13.7,	189.9,	341.3,	-207.5,	-28.2,	26	13.7,	138.4,	339.6,	-201.1,	-34.8,
27	13.7,	101.5,	333.6,	-192.2,	-41.5,	28	13.7,	154.2,	341.4,	-189.5,	-43.9,
29	13.7,	204.2,	340.1,	-181.0,	-45.9,	30	13.7,	248.8,	328.4,	-167.0,	-46.9,

31	13.7,	285.7,	306.8,	-147.9,	-46.5,	32	13.7,	314.0,	275.8,	-124.4,	-44.6,
33	13.7,	332.7,	236.4,	-97.0,	-41.4,	34	13.7,	341.3,	189.9,	-66.7,	-36.9,
35	13.7,	339.6,	138.4,	-34.4,	-31.3,	36	13.7,	333.6,	101.5,	-9.2,	-25.4,

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 Spreckels\15639 Ops HRA\1 \*\*\*      09/20/24  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: TRU19

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-33.9,	-14.9,	2	13.7,	340.1,	204.2,	-57.6,	-7.2,
3	13.7,	328.4,	248.8,	-79.5,	0.7,	4	13.7,	306.8,	285.7,	-99.0,	8.5,
5	13.7,	275.8,	314.0,	-115.5,	16.1,	6	13.7,	236.4,	332.7,	-128.5,	23.2,
7	13.7,	189.9,	341.3,	-137.6,	29.6,	8	13.7,	138.4,	339.6,	-142.5,	35.4,
9	13.7,	101.5,	333.6,	-145.4,	41.5,	10	13.7,	154.2,	341.4,	-155.9,	43.2,
11	13.7,	204.2,	340.1,	-162.8,	44.5,	12	13.7,	248.8,	328.4,	-164.9,	44.9,
13	13.7,	285.7,	306.8,	-161.9,	43.8,	14	13.7,	314.0,	275.8,	-154.0,	41.5,
15	13.7,	332.7,	236.4,	-141.4,	37.9,	16	13.7,	341.3,	189.9,	-124.5,	33.1,
17	13.7,	339.6,	138.4,	-104.6,	27.3,	18	13.7,	333.6,	101.5,	-92.2,	21.4,
19	13.7,	341.4,	154.2,	-120.2,	14.9,	20	13.7,	340.1,	204.2,	-146.7,	7.2,
21	13.7,	328.4,	248.8,	-169.2,	-0.7,	22	13.7,	306.8,	285.7,	-186.7,	-8.5,
23	13.7,	275.8,	314.0,	-198.5,	-16.1,	24	13.7,	236.4,	332.7,	-204.2,	-23.2,
25	13.7,	189.9,	341.3,	-203.8,	-29.6,	26	13.7,	138.4,	339.6,	-197.1,	-35.4,
27	13.7,	101.5,	333.6,	-188.2,	-41.5,	28	13.7,	154.2,	341.4,	-185.6,	-43.2,
29	13.7,	204.2,	340.1,	-177.2,	-44.5,	30	13.7,	248.8,	328.4,	-163.5,	-44.9,
31	13.7,	285.7,	306.8,	-144.9,	-43.8,	32	13.7,	314.0,	275.8,	-121.8,	-41.5,
33	13.7,	332.7,	236.4,	-95.0,	-37.9,	34	13.7,	341.3,	189.9,	-65.4,	-33.1,
35	13.7,	339.6,	138.4,	-33.7,	-27.3,	36	13.7,	333.6,	101.5,	-9.2,	-21.4,

SOURCE ID: TRU20

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-35.6,	-7.2,	2	13.7,	340.1,	204.2,	-60.5,	0.1,
3	13.7,	328.4,	248.8,	-83.7,	7.3,	4	13.7,	306.8,	285.7,	-104.3,	14.3,
5	13.7,	275.8,	314.0,	-121.7,	20.9,	6	13.7,	236.4,	332.7,	-135.4,	26.9,
7	13.7,	189.9,	341.3,	-145.1,	32.0,	8	13.7,	138.4,	339.6,	-150.2,	36.5,
9	13.7,	101.5,	333.6,	-153.2,	41.2,	10	13.7,	154.2,	341.4,	-163.5,	41.5,
11	13.7,	204.2,	340.1,	-170.1,	41.6,	12	13.7,	248.8,	328.4,	-171.5,	40.7,
13	13.7,	285.7,	306.8,	-167.7,	38.6,	14	13.7,	314.0,	275.8,	-158.8,	35.3,
15	13.7,	332.7,	236.4,	-145.1,	30.9,	16	13.7,	341.3,	189.9,	-126.9,	25.6,
17	13.7,	339.6,	138.4,	-105.7,	19.5,	18	13.7,	333.6,	101.5,	-91.9,	13.6,
19	13.7,	341.4,	154.2,	-118.6,	7.2,	20	13.7,	340.1,	204.2,	-143.7,	-0.1,
21	13.7,	328.4,	248.8,	-165.1,	-7.3,	22	13.7,	306.8,	285.7,	-181.4,	-14.3,
23	13.7,	275.8,	314.0,	-192.3,	-20.9,	24	13.7,	236.4,	332.7,	-197.3,	-26.9,
25	13.7,	189.9,	341.3,	-196.3,	-32.0,	26	13.7,	138.4,	339.6,	-189.3,	-36.5,
27	13.7,	101.5,	333.6,	-180.4,	-41.2,	28	13.7,	154.2,	341.4,	-177.9,	-41.5,
29	13.7,	204.2,	340.1,	-170.0,	-41.6,	30	13.7,	248.8,	328.4,	-156.9,	-40.7,
31	13.7,	285.7,	306.8,	-139.1,	-38.6,	32	13.7,	314.0,	275.8,	-117.0,	-35.3,
33	13.7,	332.7,	236.4,	-91.4,	-30.9,	34	13.7,	341.3,	189.9,	-63.0,	-25.6,
35	13.7,	339.6,	138.4,	-32.7,	-19.5,	36	13.7,	333.6,	101.5,	-9.5,	-13.6,

SOURCE ID: TRU21

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-36.2,	-3.2,	2	13.7,	340.1,	204.2,	-61.9,	3.8,
3	13.7,	328.4,	248.8,	-85.6,	10.8,	4	13.7,	306.8,	285.7,	-106.8,	17.4,
5	13.7,	275.8,	314.0,	-124.7,	23.5,	6	13.7,	236.4,	332.7,	-138.9,	28.9,
7	13.7,	189.9,	341.3,	-148.8,	33.4,	8	13.7,	138.4,	339.6,	-154.2,	37.2,
9	13.7,	101.5,	333.6,	-157.2,	41.2,	10	13.7,	154.2,	341.4,	-167.5,	40.8,

11	13.7,	204.2,	340.1,	-173.9,	40.2,	12	13.7,	248.8,	328.4,	-175.0,	38.7,
13	13.7,	285.7,	306.8,	-170.8,	36.0,	14	13.7,	314.0,	275.8,	-161.4,	32.2,
15	13.7,	332.7,	236.4,	-147.1,	27.5,	16	13.7,	341.3,	189.9,	-128.3,	21.9,
17	13.7,	339.6,	138.4,	-106.4,	15.6,	18	13.7,	333.6,	101.5,	-92.0,	9.6,
19	13.7,	341.4,	154.2,	-117.9,	3.2,	20	13.7,	340.1,	204.2,	-142.4,	-3.8,
21	13.7,	328.4,	248.8,	-163.1,	-10.8,	22	13.7,	306.8,	285.7,	-178.9,	-17.4,
23	13.7,	275.8,	314.0,	-189.2,	-23.5,	24	13.7,	236.4,	332.7,	-193.8,	-28.9,
25	13.7,	189.9,	341.3,	-192.5,	-33.4,	26	13.7,	138.4,	339.6,	-185.4,	-37.2,
27	13.7,	101.5,	333.6,	-176.4,	-41.2,	28	13.7,	154.2,	341.4,	-174.0,	-40.8,
29	13.7,	204.2,	340.1,	-166.2,	-40.2,	30	13.7,	248.8,	328.4,	-153.4,	-38.7,
31	13.7,	285.7,	306.8,	-136.0,	-36.0,	32	13.7,	314.0,	275.8,	-114.4,	-32.2,
33	13.7,	332.7,	236.4,	-89.3,	-27.5,	34	13.7,	341.3,	189.9,	-61.6,	-21.9,
35	13.7,	339.6,	138.4,	-31.9,	-15.6,	36	13.7,	333.6,	101.5,	-9.5,	-9.6,

SOURCE ID: TRU22

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-37.0,	0.6,	2	13.7,	340.1,	204.2,	-63.3,	7.4,
3	13.7,	328.4,	248.8,	-87.7,	14.1,	4	13.7,	306.8,	285.7,	-109.4,	20.3,
5	13.7,	275.8,	314.0,	-127.8,	25.9,	6	13.7,	236.4,	332.7,	-142.3,	30.7,
7	13.7,	189.9,	341.3,	-152.5,	34.6,	8	13.7,	138.4,	339.6,	-158.0,	37.8,
9	13.7,	101.5,	333.6,	-161.1,	41.1,	10	13.7,	154.2,	341.4,	-171.3,	40.0,
11	13.7,	204.2,	340.1,	-177.5,	38.8,	12	13.7,	248.8,	328.4,	-178.3,	36.7,
13	13.7,	285.7,	306.8,	-173.7,	33.4,	14	13.7,	314.0,	275.8,	-163.8,	29.2,
15	13.7,	332.7,	236.4,	-148.9,	24.1,	16	13.7,	341.3,	189.9,	-129.5,	18.2,
17	13.7,	339.6,	138.4,	-107.0,	11.8,	18	13.7,	333.6,	101.5,	-91.8,	5.7,
19	13.7,	341.4,	154.2,	-117.1,	-0.6,	20	13.7,	340.1,	204.2,	-140.9,	-7.4,
21	13.7,	328.4,	248.8,	-161.1,	-14.1,	22	13.7,	306.8,	285.7,	-176.3,	-20.3,
23	13.7,	275.8,	314.0,	-186.2,	-25.9,	24	13.7,	236.4,	332.7,	-190.4,	-30.7,
25	13.7,	189.9,	341.3,	-188.8,	-34.6,	26	13.7,	138.4,	339.6,	-181.5,	-37.8,
27	13.7,	101.5,	333.6,	-172.5,	-41.1,	28	13.7,	154.2,	341.4,	-170.1,	-40.0,
29	13.7,	204.2,	340.1,	-162.6,	-38.8,	30	13.7,	248.8,	328.4,	-150.1,	-36.7,
31	13.7,	285.7,	306.8,	-133.1,	-33.4,	32	13.7,	314.0,	275.8,	-112.0,	-29.2,
33	13.7,	332.7,	236.4,	-87.5,	-24.1,	34	13.7,	341.3,	189.9,	-60.3,	-18.2,
35	13.7,	339.6,	138.4,	-31.4,	-11.8,	36	13.7,	333.6,	101.5,	-9.6,	-5.7,

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: TRU23

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-37.8,	4.4,	2	13.7,	340.1,	204.2,	-64.7,	11.1,
3	13.7,	328.4,	248.8,	-89.7,	17.4,	4	13.7,	306.8,	285.7,	-112.0,	23.2,
5	13.7,	275.8,	314.0,	-130.8,	28.3,	6	13.7,	236.4,	332.7,	-145.7,	32.6,
7	13.7,	189.9,	341.3,	-156.1,	35.8,	8	13.7,	138.4,	339.6,	-161.9,	38.4,
9	13.7,	101.5,	333.6,	-165.0,	41.0,	10	13.7,	154.2,	341.4,	-175.1,	39.3,
11	13.7,	204.2,	340.1,	-181.1,	37.4,	12	13.7,	248.8,	328.4,	-181.6,	34.7,
13	13.7,	285.7,	306.8,	-176.6,	30.9,	14	13.7,	314.0,	275.8,	-166.2,	26.2,
15	13.7,	332.7,	236.4,	-150.8,	20.7,	16	13.7,	341.3,	189.9,	-130.8,	14.5,
17	13.7,	339.6,	138.4,	-107.6,	7.9,	18	13.7,	333.6,	101.5,	-91.8,	1.8,
19	13.7,	341.4,	154.2,	-116.4,	-4.4,	20	13.7,	340.1,	204.2,	-139.5,	-11.1,
21	13.7,	328.4,	248.8,	-159.1,	-17.4,	22	13.7,	306.8,	285.7,	-173.7,	-23.2,
23	13.7,	275.8,	314.0,	-183.2,	-28.3,	24	13.7,	236.4,	332.7,	-187.0,	-32.6,
25	13.7,	189.9,	341.3,	-185.2,	-35.8,	26	13.7,	138.4,	339.6,	-177.7,	-38.4,
27	13.7,	101.5,	333.6,	-168.6,	-41.0,	28	13.7,	154.2,	341.4,	-166.3,	-39.3,
29	13.7,	204.2,	340.1,	-159.0,	-37.4,	30	13.7,	248.8,	328.4,	-146.8,	-34.7,
31	13.7,	285.7,	306.8,	-130.2,	-30.9,	32	13.7,	314.0,	275.8,	-109.6,	-26.2,
33	13.7,	332.7,	236.4,	-85.6,	-20.7,	34	13.7,	341.3,	189.9,	-59.1,	-14.5,

35 13.7, 339.6, 138.4, -30.8, -7.9, 36 13.7, 333.6, 101.5, -9.7, -1.8,

SOURCE ID: TRU24

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-38.6,	8.3,	2	13.7,	340.1,	204.2,	-66.2,	14.8,
3	13.7,	328.4,	248.8,	-91.8,	20.8,	4	13.7,	306.8,	285.7,	-114.6,	26.2,
5	13.7,	275.8,	314.0,	-133.9,	30.8,	6	13.7,	236.4,	332.7,	-149.2,	34.5,
7	13.7,	189.9,	341.3,	-159.9,	37.1,	8	13.7,	138.4,	339.6,	-165.8,	39.0,
9	13.7,	101.5,	333.6,	-168.9,	40.9,	10	13.7,	154.2,	341.4,	-179.0,	38.5,
11	13.7,	204.2,	340.1,	-184.8,	35.9,	12	13.7,	248.8,	328.4,	-185.0,	32.6,
13	13.7,	285.7,	306.8,	-179.6,	28.2,	14	13.7,	314.0,	275.8,	-168.7,	23.1,
15	13.7,	332.7,	236.4,	-152.7,	17.2,	16	13.7,	341.3,	189.9,	-132.0,	10.7,
17	13.7,	339.6,	138.4,	-108.1,	4.0,	18	13.7,	333.6,	101.5,	-91.6,	-2.1,
19	13.7,	341.4,	154.2,	-115.6,	-8.3,	20	13.7,	340.1,	204.2,	-138.1,	-14.8,
21	13.7,	328.4,	248.8,	-157.0,	-20.8,	22	13.7,	306.8,	285.7,	-171.1,	-26.2,
23	13.7,	275.8,	314.0,	-180.0,	-30.8,	24	13.7,	236.4,	332.7,	-183.5,	-34.5,
25	13.7,	189.9,	341.3,	-181.4,	-37.1,	26	13.7,	138.4,	339.6,	-173.8,	-39.0,
27	13.7,	101.5,	333.6,	-164.7,	-40.9,	28	13.7,	154.2,	341.4,	-162.4,	-38.5,
29	13.7,	204.2,	340.1,	-155.3,	-35.9,	30	13.7,	248.8,	328.4,	-143.4,	-32.6,
31	13.7,	285.7,	306.8,	-127.2,	-28.2,	32	13.7,	314.0,	275.8,	-107.1,	-23.1,
33	13.7,	332.7,	236.4,	-83.8,	-17.2,	34	13.7,	341.3,	189.9,	-57.8,	-10.7,
35	13.7,	339.6,	138.4,	-30.2,	-4.0,	36	13.7,	333.6,	101.5,	-9.8,	2.1,

SOURCE ID: TRU25

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-39.5,	12.2,	2	13.7,	340.1,	204.2,	-67.8,	18.5,
3	13.7,	328.4,	248.8,	-94.0,	24.2,	4	13.7,	306.8,	285.7,	-117.4,	29.2,
5	13.7,	275.8,	314.0,	-137.2,	33.2,	6	13.7,	236.4,	332.7,	-152.8,	36.3,
7	13.7,	189.9,	341.3,	-163.8,	38.3,	8	13.7,	138.4,	339.6,	-169.8,	39.5,
9	13.7,	101.5,	333.6,	-173.0,	40.7,	10	13.7,	154.2,	341.4,	-182.9,	37.6,
11	13.7,	204.2,	340.1,	-188.5,	34.3,	12	13.7,	248.8,	328.4,	-188.4,	30.4,
13	13.7,	285.7,	306.8,	-182.5,	25.5,	14	13.7,	314.0,	275.8,	-171.1,	19.8,
15	13.7,	332.7,	236.4,	-154.5,	13.6,	16	13.7,	341.3,	189.9,	-133.2,	6.9,
17	13.7,	339.6,	138.4,	-108.6,	-0.0,	18	13.7,	333.6,	101.5,	-91.4,	-6.2,
19	13.7,	341.4,	154.2,	-114.7,	-12.2,	20	13.7,	340.1,	204.2,	-136.5,	-18.5,
21	13.7,	328.4,	248.8,	-154.8,	-24.2,	22	13.7,	306.8,	285.7,	-168.3,	-29.2,
23	13.7,	275.8,	314.0,	-176.8,	-33.2,	24	13.7,	236.4,	332.7,	-179.9,	-36.3,
25	13.7,	189.9,	341.3,	-177.5,	-38.3,	26	13.7,	138.4,	339.6,	-169.8,	-39.5,
27	13.7,	101.5,	333.6,	-160.6,	-40.7,	28	13.7,	154.2,	341.4,	-158.5,	-37.6,
29	13.7,	204.2,	340.1,	-151.6,	-34.3,	30	13.7,	248.8,	328.4,	-140.0,	-30.4,
31	13.7,	285.7,	306.8,	-124.2,	-25.5,	32	13.7,	314.0,	275.8,	-104.7,	-19.8,
33	13.7,	332.7,	236.4,	-81.9,	-13.6,	34	13.7,	341.3,	189.9,	-56.7,	-6.9,
35	13.7,	339.6,	138.4,	-29.7,	0.0,	36	13.7,	333.6,	101.5,	-10.0,	6.2,

SOURCE ID: TRU26

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-40.2,	16.2,	2	13.7,	340.1,	204.2,	-69.2,	22.2,
3	13.7,	328.4,	248.8,	-96.0,	27.6,	4	13.7,	306.8,	285.7,	-120.0,	32.2,
5	13.7,	275.8,	314.0,	-140.3,	35.8,	6	13.7,	236.4,	332.7,	-156.3,	38.3,
7	13.7,	189.9,	341.3,	-167.6,	39.6,	8	13.7,	138.4,	339.6,	-173.8,	40.1,
9	13.7,	101.5,	333.6,	-177.0,	40.7,	10	13.7,	154.2,	341.4,	-186.9,	36.8,
11	13.7,	204.2,	340.1,	-192.3,	32.9,	12	13.7,	248.8,	328.4,	-191.8,	28.3,
13	13.7,	285.7,	306.8,	-185.6,	22.9,	14	13.7,	314.0,	275.8,	-173.7,	16.7,
15	13.7,	332.7,	236.4,	-156.5,	10.1,	16	13.7,	341.3,	189.9,	-134.6,	3.1,
17	13.7,	339.6,	138.4,	-109.3,	-4.0,	18	13.7,	333.6,	101.5,	-91.4,	-10.2,
19	13.7,	341.4,	154.2,	-113.9,	-16.2,	20	13.7,	340.1,	204.2,	-135.1,	-22.2,
21	13.7,	328.4,	248.8,	-152.7,	-27.6,	22	13.7,	306.8,	285.7,	-165.7,	-32.2,
23	13.7,	275.8,	314.0,	-173.7,	-35.8,	24	13.7,	236.4,	332.7,	-176.4,	-38.3,
25	13.7,	189.9,	341.3,	-173.7,	-39.6,	26	13.7,	138.4,	339.6,	-165.8,	-40.1,
27	13.7,	101.5,	333.6,	-156.6,	-40.7,	28	13.7,	154.2,	341.4,	-154.5,	-36.8,
29	13.7,	204.2,	340.1,	-147.8,	-32.9,	30	13.7,	248.8,	328.4,	-136.6,	-28.3,
31	13.7,	285.7,	306.8,	-121.2,	-22.9,	32	13.7,	314.0,	275.8,	-102.1,	-16.7,
33	13.7,	332.7,	236.4,	-79.9,	-10.0,	34	13.7,	341.3,	189.9,	-55.3,	-3.1,

35 13.7, 339.6, 138.4, -29.1, 4.0, 36 13.7, 333.6, 101.5, -10.1, 10.2,

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: TRU27

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-41.9,	23.9,	2	13.7,	340.1,	204.2,	-72.2,	29.6,
3	13.7,	328.4,	248.8,	-100.2,	34.3,	4	13.7,	306.8,	285.7,	-125.3,	38.1,
5	13.7,	275.8,	314.0,	-146.5,	40.6,	6	13.7,	236.4,	332.7,	-163.3,	42.0,
7	13.7,	189.9,	341.3,	-175.1,	42.0,	8	13.7,	138.4,	339.6,	-181.6,	41.2,
9	13.7,	101.5,	333.6,	-184.9,	40.4,	10	13.7,	154.2,	341.4,	-194.6,	35.2,
11	13.7,	204.2,	340.1,	-199.6,	29.9,	12	13.7,	248.8,	328.4,	-198.5,	24.1,
13	13.7,	285.7,	306.8,	-191.4,	17.6,	14	13.7,	314.0,	275.8,	-178.5,	10.5,
15	13.7,	332.7,	236.4,	-160.2,	3.0,	16	13.7,	341.3,	189.9,	-137.0,	-4.5,
17	13.7,	339.6,	138.4,	-110.4,	-11.8,	18	13.7,	333.6,	101.5,	-91.1,	-18.1,
19	13.7,	341.4,	154.2,	-112.3,	-23.9,	20	13.7,	340.1,	204.2,	-132.1,	-29.6,
21	13.7,	328.4,	248.8,	-148.5,	-34.3,	22	13.7,	306.8,	285.7,	-160.4,	-38.1,
23	13.7,	275.8,	314.0,	-167.5,	-40.6,	24	13.7,	236.4,	332.7,	-169.4,	-42.0,
25	13.7,	189.9,	341.3,	-166.2,	-42.0,	26	13.7,	138.4,	339.6,	-158.0,	-41.2,
27	13.7,	101.5,	333.6,	-148.7,	-40.4,	28	13.7,	154.2,	341.4,	-146.8,	-35.2,
29	13.7,	204.2,	340.1,	-140.5,	-29.9,	30	13.7,	248.8,	328.4,	-129.9,	-24.1,
31	13.7,	285.7,	306.8,	-115.3,	-17.6,	32	13.7,	314.0,	275.8,	-97.2,	-10.5,
33	13.7,	332.7,	236.4,	-76.2,	-3.0,	34	13.7,	341.3,	189.9,	-52.9,	4.5,
35	13.7,	339.6,	138.4,	-28.0,	11.8,	36	13.7,	333.6,	101.5,	-10.4,	18.1,

SOURCE ID: TRU28

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-42.5,	27.8,	2	13.7,	340.1,	204.2,	-73.5,	33.3,
3	13.7,	328.4,	248.8,	-102.2,	37.8,	4	13.7,	306.8,	285.7,	-127.8,	41.1,
5	13.7,	275.8,	314.0,	-149.5,	43.2,	6	13.7,	236.4,	332.7,	-166.7,	44.0,
7	13.7,	189.9,	341.3,	-178.8,	43.4,	8	13.7,	138.4,	339.6,	-185.5,	41.9,
9	13.7,	101.5,	333.6,	-188.9,	40.4,	10	13.7,	154.2,	341.4,	-198.5,	34.5,
11	13.7,	204.2,	340.1,	-203.4,	28.6,	12	13.7,	248.8,	328.4,	-202.0,	22.2,
13	13.7,	285.7,	306.8,	-194.5,	15.0,	14	13.7,	314.0,	275.8,	-181.1,	7.4,
15	13.7,	332.7,	236.4,	-162.2,	-0.4,	16	13.7,	341.3,	189.9,	-138.4,	-8.2,
17	13.7,	339.6,	138.4,	-111.1,	-15.7,	18	13.7,	333.6,	101.5,	-91.1,	-22.1,
19	13.7,	341.4,	154.2,	-111.6,	-27.8,	20	13.7,	340.1,	204.2,	-130.8,	-33.3,
21	13.7,	328.4,	248.8,	-146.6,	-37.8,	22	13.7,	306.8,	285.7,	-157.9,	-41.1,
23	13.7,	275.8,	314.0,	-164.4,	-43.2,	24	13.7,	236.4,	332.7,	-166.0,	-44.0,
25	13.7,	189.9,	341.3,	-162.5,	-43.4,	26	13.7,	138.4,	339.6,	-154.0,	-41.9,
27	13.7,	101.5,	333.6,	-144.7,	-40.4,	28	13.7,	154.2,	341.4,	-142.9,	-34.5,
29	13.7,	204.2,	340.1,	-136.7,	-28.6,	30	13.7,	248.8,	328.4,	-126.4,	-22.2,
31	13.7,	285.7,	306.8,	-112.2,	-15.0,	32	13.7,	314.0,	275.8,	-94.7,	-7.4,
33	13.7,	332.7,	236.4,	-74.2,	0.4,	34	13.7,	341.3,	189.9,	-51.5,	8.2,
35	13.7,	339.6,	138.4,	-27.2,	15.7,	36	13.7,	333.6,	101.5,	-10.3,	22.1,

SOURCE ID: TRU29

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-43.3,	31.6,	2	13.7,	340.1,	204.2,	-74.9,	36.9,
3	13.7,	328.4,	248.8,	-104.3,	41.1,	4	13.7,	306.8,	285.7,	-130.4,	44.0,
5	13.7,	275.8,	314.0,	-152.6,	45.6,	6	13.7,	236.4,	332.7,	-170.2,	45.8,
7	13.7,	189.9,	341.3,	-182.5,	44.6,	8	13.7,	138.4,	339.6,	-189.4,	42.5,
9	13.7,	101.5,	333.6,	-192.8,	40.3,	10	13.7,	154.2,	341.4,	-202.3,	33.7,
11	13.7,	204.2,	340.1,	-207.0,	27.2,	12	13.7,	248.8,	328.4,	-205.3,	20.1,
13	13.7,	285.7,	306.8,	-197.4,	12.4,	14	13.7,	314.0,	275.8,	-183.5,	4.4,

15	13.7,	332.7,	236.4,	-164.1,	-3.8,	16	13.7,	341.3,	189.9,	-139.6,	-11.9,
17	13.7,	339.6,	138.4,	-111.7,	-19.6,	18	13.7,	333.6,	101.5,	-91.0,	-26.0,
19	13.7,	341.4,	154.2,	-110.8,	-31.6,	20	13.7,	340.1,	204.2,	-129.3,	-36.9,
21	13.7,	328.4,	248.8,	-144.5,	-41.1,	22	13.7,	306.8,	285.7,	-155.3,	-44.0,
23	13.7,	275.8,	314.0,	-161.4,	-45.6,	24	13.7,	236.4,	332.7,	-162.5,	-45.8,
25	13.7,	189.9,	341.3,	-158.8,	-44.6,	26	13.7,	138.4,	339.6,	-150.2,	-42.5,
27	13.7,	101.5,	333.6,	-140.8,	-40.3,	28	13.7,	154.2,	341.4,	-139.1,	-33.7,
29	13.7,	204.2,	340.1,	-133.1,	-27.2,	30	13.7,	248.8,	328.4,	-123.1,	-20.1,
31	13.7,	285.7,	306.8,	-109.3,	-12.4,	32	13.7,	314.0,	275.8,	-92.2,	-4.4,
33	13.7,	332.7,	236.4,	-72.4,	3.8,	34	13.7,	341.3,	189.9,	-50.3,	11.9,
35	13.7,	339.6,	138.4,	-26.7,	19.6,	36	13.7,	333.6,	101.5,	-10.4,	26.0,

SOURCE ID: TRU30

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-44.1,	35.4,	2	13.7,	340.1,	204.2,	-76.3,	40.5,
3	13.7,	328.4,	248.8,	-106.3,	44.4,	4	13.7,	306.8,	285.7,	-133.0,	46.9,
5	13.7,	275.8,	314.0,	-155.6,	48.1,	6	13.7,	236.4,	332.7,	-173.5,	47.7,
7	13.7,	189.9,	341.3,	-186.2,	45.9,	8	13.7,	138.4,	339.6,	-193.2,	43.1,
9	13.7,	101.5,	333.6,	-196.6,	40.2,	10	13.7,	154.2,	341.4,	-206.1,	33.0,
11	13.7,	204.2,	340.1,	-210.6,	25.8,	12	13.7,	248.8,	328.4,	-208.6,	18.1,
13	13.7,	285.7,	306.8,	-200.3,	9.9,	14	13.7,	314.0,	275.8,	-186.0,	1.4,
15	13.7,	332.7,	236.4,	-165.9,	-7.2,	16	13.7,	341.3,	189.9,	-140.9,	-15.5,
17	13.7,	339.6,	138.4,	-112.3,	-23.4,	18	13.7,	333.6,	101.5,	-90.9,	-29.9,
19	13.7,	341.4,	154.2,	-110.1,	-35.4,	20	13.7,	340.1,	204.2,	-127.9,	-40.5,
21	13.7,	328.4,	248.8,	-142.5,	-44.4,	22	13.7,	306.8,	285.7,	-152.7,	-46.9,
23	13.7,	275.8,	314.0,	-158.4,	-48.1,	24	13.7,	236.4,	332.7,	-159.2,	-47.7,
25	13.7,	189.9,	341.3,	-155.1,	-45.9,	26	13.7,	138.4,	339.6,	-146.4,	-43.1,
27	13.7,	101.5,	333.6,	-137.0,	-40.2,	28	13.7,	154.2,	341.4,	-135.3,	-33.0,
29	13.7,	204.2,	340.1,	-129.5,	-25.8,	30	13.7,	248.8,	328.4,	-119.8,	-18.1,
31	13.7,	285.7,	306.8,	-106.4,	-9.9,	32	13.7,	314.0,	275.8,	-89.8,	-1.4,
33	13.7,	332.7,	236.4,	-70.5,	7.2,	34	13.7,	341.3,	189.9,	-49.0,	15.5,
35	13.7,	339.6,	138.4,	-26.1,	23.4,	36	13.7,	333.6,	101.5,	-10.5,	29.9,

\*\*\* AERMOD - VERSION 23132 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\15639  
 Spreckels\15639 Ops HRA\1 \*\*\* 09/20/24  
 \*\*\* AERMET - VERSION 21112 \*\*\*  
 \*\*\* 11:04:36

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: TRU31

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-44.9,	39.3,	2	13.7,	340.1,	204.2,	-77.8,	44.2,
3	13.7,	328.4,	248.8,	-108.3,	47.8,	4	13.7,	306.8,	285.7,	-135.6,	49.9,
5	13.7,	275.8,	314.0,	-158.7,	50.5,	6	13.7,	236.4,	332.7,	-177.1,	49.6,
7	13.7,	189.9,	341.3,	-190.0,	47.2,	8	13.7,	138.4,	339.6,	-197.1,	43.7,
9	13.7,	101.5,	333.6,	-200.6,	40.1,	10	13.7,	154.2,	341.4,	-210.0,	32.2,
11	13.7,	204.2,	340.1,	-214.3,	24.3,	12	13.7,	248.8,	328.4,	-212.0,	16.0,
13	13.7,	285.7,	306.8,	-203.3,	7.2,	14	13.7,	314.0,	275.8,	-188.4,	-1.8,
15	13.7,	332.7,	236.4,	-167.8,	-10.7,	16	13.7,	341.3,	189.9,	-142.1,	-19.3,
17	13.7,	339.6,	138.4,	-112.8,	-27.4,	18	13.7,	333.6,	101.5,	-90.8,	-33.8,
19	13.7,	341.4,	154.2,	-109.3,	-39.3,	20	13.7,	340.1,	204.2,	-126.4,	-44.2,
21	13.7,	328.4,	248.8,	-140.4,	-47.8,	22	13.7,	306.8,	285.7,	-150.1,	-49.9,
23	13.7,	275.8,	314.0,	-155.2,	-50.5,	24	13.7,	236.4,	332.7,	-155.6,	-49.6,
25	13.7,	189.9,	341.3,	-151.3,	-47.2,	26	13.7,	138.4,	339.6,	-142.4,	-43.7,
27	13.7,	101.5,	333.6,	-133.0,	-40.1,	28	13.7,	154.2,	341.4,	-131.4,	-32.2,
29	13.7,	204.2,	340.1,	-125.8,	-24.3,	30	13.7,	248.8,	328.4,	-116.4,	-16.0,
31	13.7,	285.7,	306.8,	-103.4,	-7.2,	32	13.7,	314.0,	275.8,	-87.3,	1.8,
33	13.7,	332.7,	236.4,	-68.6,	10.7,	34	13.7,	341.3,	189.9,	-47.8,	19.3,
35	13.7,	339.6,	138.4,	-25.5,	27.4,	36	13.7,	333.6,	101.5,	-10.6,	33.8,

## SOURCE ID: TRU32

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-45.8,	43.3,	2	13.7,	340.1,	204.2,	-79.4,	48.0,
3	13.7,	328.4,	248.8,	-110.5,	51.2,	4	13.7,	306.8,	285.7,	-138.4,	52.9,
5	13.7,	275.8,	314.0,	-162.0,	53.0,	6	13.7,	236.4,	332.7,	-180.7,	51.4,
7	13.7,	189.9,	341.3,	-193.9,	48.3,	8	13.7,	138.4,	339.6,	-201.2,	44.2,
9	13.7,	101.5,	333.6,	-204.7,	39.9,	10	13.7,	154.2,	341.4,	-214.0,	31.3,
11	13.7,	204.2,	340.1,	-218.0,	22.7,	12	13.7,	248.8,	328.4,	-215.4,	13.8,
13	13.7,	285.7,	306.8,	-206.3,	4.5,	14	13.7,	314.0,	275.8,	-190.9,	-5.0,
15	13.7,	332.7,	236.4,	-169.7,	-14.3,	16	13.7,	341.3,	189.9,	-143.3,	-23.2,
17	13.7,	339.6,	138.4,	-113.3,	-31.4,	18	13.7,	333.6,	101.5,	-90.6,	-37.9,
19	13.7,	341.4,	154.2,	-108.3,	-43.3,	20	13.7,	340.1,	204.2,	-124.9,	-48.0,
21	13.7,	328.4,	248.8,	-138.2,	-51.2,	22	13.7,	306.8,	285.7,	-147.3,	-52.9,
23	13.7,	275.8,	314.0,	-152.0,	-53.0,	24	13.7,	236.4,	332.7,	-152.0,	-51.4,
25	13.7,	189.9,	341.3,	-147.5,	-48.3,	26	13.7,	138.4,	339.6,	-138.4,	-44.2,
27	13.7,	101.5,	333.6,	-128.9,	-39.9,	28	13.7,	154.2,	341.4,	-127.4,	-31.3,
29	13.7,	204.2,	340.1,	-122.1,	-22.7,	30	13.7,	248.8,	328.4,	-113.0,	-13.8,
31	13.7,	285.7,	306.8,	-100.5,	-4.5,	32	13.7,	314.0,	275.8,	-84.9,	5.0,
33	13.7,	332.7,	236.4,	-66.8,	14.3,	34	13.7,	341.3,	189.9,	-46.6,	23.2,
35	13.7,	339.6,	138.4,	-25.0,	31.4,	36	13.7,	333.6,	101.5,	-10.8,	37.9,

## SOURCE ID: TRU33

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-46.5,	47.2,	2	13.7,	340.1,	204.2,	-80.8,	51.7,
3	13.7,	328.4,	248.8,	-112.6,	54.7,	4	13.7,	306.8,	285.7,	-141.0,	55.9,
5	13.7,	275.8,	314.0,	-165.1,	55.5,	6	13.7,	236.4,	332.7,	-184.2,	53.4,
7	13.7,	189.9,	341.3,	-197.6,	49.7,	8	13.7,	138.4,	339.6,	-205.1,	44.8,
9	13.7,	101.5,	333.6,	-208.7,	39.8,	10	13.7,	154.2,	341.4,	-217.9,	30.5,
11	13.7,	204.2,	340.1,	-221.8,	21.3,	12	13.7,	248.8,	328.4,	-218.9,	11.8,
13	13.7,	285.7,	306.8,	-209.3,	1.9,	14	13.7,	314.0,	275.8,	-193.4,	-8.1,
15	13.7,	332.7,	236.4,	-171.6,	-17.8,	16	13.7,	341.3,	189.9,	-144.6,	-27.0,
17	13.7,	339.6,	138.4,	-114.0,	-35.3,	18	13.7,	333.6,	101.5,	-90.6,	-41.9,
19	13.7,	341.4,	154.2,	-107.6,	-47.2,	20	13.7,	340.1,	204.2,	-123.5,	-51.7,
21	13.7,	328.4,	248.8,	-136.2,	-54.7,	22	13.7,	306.8,	285.7,	-144.7,	-55.9,
23	13.7,	275.8,	314.0,	-148.9,	-55.5,	24	13.7,	236.4,	332.7,	-148.5,	-53.4,
25	13.7,	189.9,	341.3,	-143.7,	-49.7,	26	13.7,	138.4,	339.6,	-134.4,	-44.8,
27	13.7,	101.5,	333.6,	-124.9,	-39.8,	28	13.7,	154.2,	341.4,	-123.5,	-30.5,
29	13.7,	204.2,	340.1,	-118.3,	-21.3,	30	13.7,	248.8,	328.4,	-109.5,	-11.8,
31	13.7,	285.7,	306.8,	-97.4,	-1.9,	32	13.7,	314.0,	275.8,	-82.4,	8.1,
33	13.7,	332.7,	236.4,	-64.8,	17.8,	34	13.7,	341.3,	189.9,	-45.3,	27.0,
35	13.7,	339.6,	138.4,	-24.4,	35.3,	36	13.7,	333.6,	101.5,	-10.9,	41.9,

## SOURCE ID: TRU34

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-48.2,	54.9,	2	13.7,	340.1,	204.2,	-83.8,	59.0,
3	13.7,	328.4,	248.8,	-116.8,	61.3,	4	13.7,	306.8,	285.7,	-146.2,	61.7,
5	13.7,	275.8,	314.0,	-171.2,	60.3,	6	13.7,	236.4,	332.7,	-191.1,	57.0,
7	13.7,	189.9,	341.3,	-205.1,	52.1,	8	13.7,	138.4,	339.6,	-212.9,	45.9,
9	13.7,	101.5,	333.6,	-216.5,	39.5,	10	13.7,	154.2,	341.4,	-225.6,	28.9,
11	13.7,	204.2,	340.1,	-229.0,	18.4,	12	13.7,	248.8,	328.4,	-225.5,	7.6,
13	13.7,	285.7,	306.8,	-215.1,	-3.4,	14	13.7,	314.0,	275.8,	-198.2,	-14.3,
15	13.7,	332.7,	236.4,	-175.3,	-24.7,	16	13.7,	341.3,	189.9,	-147.0,	-34.4,
17	13.7,	339.6,	138.4,	-115.0,	-43.1,	18	13.7,	333.6,	101.5,	-90.3,	-49.7,
19	13.7,	341.4,	154.2,	-106.0,	-54.9,	20	13.7,	340.1,	204.2,	-120.5,	-59.0,
21	13.7,	328.4,	248.8,	-132.0,	-61.3,	22	13.7,	306.8,	285.7,	-139.5,	-61.7,
23	13.7,	275.8,	314.0,	-142.7,	-60.3,	24	13.7,	236.4,	332.7,	-141.6,	-57.0,
25	13.7,	189.9,	341.3,	-136.2,	-52.1,	26	13.7,	138.4,	339.6,	-126.7,	-45.9,
27	13.7,	101.5,	333.6,	-117.1,	-39.5,	28	13.7,	154.2,	341.4,	-115.8,	-28.9,
29	13.7,	204.2,	340.1,	-111.1,	-18.4,	30	13.7,	248.8,	328.4,	-102.9,	-7.6,
31	13.7,	285.7,	306.8,	-91.6,	3.4,	32	13.7,	314.0,	275.8,	-77.6,	14.3,
33	13.7,	332.7,	236.4,	-61.2,	24.7,	34	13.7,	341.3,	189.9,	-42.9,	34.4,
35	13.7,	339.6,	138.4,	-23.3,	43.1,	36	13.7,	333.6,	101.5,	-11.2,	49.7,



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\*\*\* MODELOPTs:      RegDFAULT    CONC    ELEV    URBAN    ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: TRU35

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-48.8,	58.8,	2	13.7,	340.1,	204.2,	-85.1,	62.7,
3	13.7,	328.4,	248.8,	-118.7,	64.7,	4	13.7,	306.8,	285.7,	-148.8,	64.8,
5	13.7,	275.8,	314.0,	-174.3,	62.9,	6	13.7,	236.4,	332.7,	-194.5,	59.1,
7	13.7,	189.9,	341.3,	-208.8,	53.5,	8	13.7,	138.4,	339.6,	-216.8,	46.6,
9	13.7,	101.5,	333.6,	-220.5,	39.6,	10	13.7,	154.2,	341.4,	-229.5,	28.2,
11	13.7,	204.2,	340.1,	-232.8,	17.0,	12	13.7,	248.8,	328.4,	-228.9,	5.6,
13	13.7,	285.7,	306.8,	-218.2,	-5.9,	14	13.7,	314.0,	275.8,	-200.8,	-17.3,
15	13.7,	332.7,	236.4,	-177.3,	-28.2,	16	13.7,	341.3,	189.9,	-148.4,	-38.1,
17	13.7,	339.6,	138.4,	-115.8,	-47.0,	18	13.7,	333.6,	101.5,	-90.3,	-53.7,
19	13.7,	341.4,	154.2,	-105.3,	-58.8,	20	13.7,	340.1,	204.2,	-119.2,	-62.7,
21	13.7,	328.4,	248.8,	-130.0,	-64.7,	22	13.7,	306.8,	285.7,	-136.9,	-64.8,
23	13.7,	275.8,	314.0,	-139.7,	-62.9,	24	13.7,	236.4,	332.7,	-138.2,	-59.1,
25	13.7,	189.9,	341.3,	-132.5,	-53.5,	26	13.7,	138.4,	339.6,	-122.8,	-46.6,
27	13.7,	101.5,	333.6,	-113.1,	-39.6,	28	13.7,	154.2,	341.4,	-111.9,	-28.2,
29	13.7,	204.2,	340.1,	-107.3,	-17.0,	30	13.7,	248.8,	328.4,	-99.5,	-5.6,
31	13.7,	285.7,	306.8,	-88.6,	5.9,	32	13.7,	314.0,	275.8,	-75.0,	17.3,
33	13.7,	332.7,	236.4,	-59.1,	28.2,	34	13.7,	341.3,	189.9,	-41.5,	38.1,
35	13.7,	339.6,	138.4,	-22.6,	47.0,	36	13.7,	333.6,	101.5,	-11.1,	53.7,

SOURCE ID: TRU36

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-49.6,	62.6,	2	13.7,	340.1,	204.2,	-86.5,	66.3,
3	13.7,	328.4,	248.8,	-120.8,	68.1,	4	13.7,	306.8,	285.7,	-151.4,	67.7,
5	13.7,	275.8,	314.0,	-177.4,	65.3,	6	13.7,	236.4,	332.7,	-197.9,	60.9,
7	13.7,	189.9,	341.3,	-212.5,	54.7,	8	13.7,	138.4,	339.6,	-220.6,	47.2,
9	13.7,	101.5,	333.6,	-224.4,	39.5,	10	13.7,	154.2,	341.4,	-233.3,	27.4,
11	13.7,	204.2,	340.1,	-236.4,	15.6,	12	13.7,	248.8,	328.4,	-232.3,	3.6,
13	13.7,	285.7,	306.8,	-221.1,	-8.5,	14	13.7,	314.0,	275.8,	-203.2,	-20.4,
15	13.7,	332.7,	236.4,	-179.1,	-31.6,	16	13.7,	341.3,	189.9,	-149.6,	-41.9,
17	13.7,	339.6,	138.4,	-116.3,	-50.9,	18	13.7,	333.6,	101.5,	-90.2,	-57.6,
19	13.7,	341.4,	154.2,	-104.5,	-62.6,	20	13.7,	340.1,	204.2,	-117.7,	-66.3,
21	13.7,	328.4,	248.8,	-128.0,	-68.1,	22	13.7,	306.8,	285.7,	-134.3,	-67.7,
23	13.7,	275.8,	314.0,	-136.6,	-65.3,	24	13.7,	236.4,	332.7,	-134.8,	-60.9,
25	13.7,	189.9,	341.3,	-128.8,	-54.7,	26	13.7,	138.4,	339.6,	-118.9,	-47.2,
27	13.7,	101.5,	333.6,	-109.2,	-39.5,	28	13.7,	154.2,	341.4,	-108.1,	-27.4,
29	13.7,	204.2,	340.1,	-103.7,	-15.6,	30	13.7,	248.8,	328.4,	-96.1,	-3.6,
31	13.7,	285.7,	306.8,	-85.6,	8.5,	32	13.7,	314.0,	275.8,	-72.6,	20.4,
33	13.7,	332.7,	236.4,	-57.3,	31.6,	34	13.7,	341.3,	189.9,	-40.3,	41.9,
35	13.7,	339.6,	138.4,	-22.0,	50.9,	36	13.7,	333.6,	101.5,	-11.3,	57.6,

SOURCE ID: TRU37

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-50.4,	66.4,	2	13.7,	340.1,	204.2,	-87.9,	70.0,
3	13.7,	328.4,	248.8,	-122.8,	71.4,	4	13.7,	306.8,	285.7,	-153.9,	70.6,
5	13.7,	275.8,	314.0,	-180.4,	67.7,	6	13.7,	236.4,	332.7,	-201.3,	62.8,
7	13.7,	189.9,	341.3,	-216.2,	55.9,	8	13.7,	138.4,	339.6,	-224.5,	47.8,
9	13.7,	101.5,	333.6,	-228.2,	39.4,	10	13.7,	154.2,	341.4,	-237.1,	26.7,
11	13.7,	204.2,	340.1,	-240.0,	14.2,	12	13.7,	248.8,	328.4,	-235.6,	1.6,
13	13.7,	285.7,	306.8,	-224.0,	-11.1,	14	13.7,	314.0,	275.8,	-205.6,	-23.4,
15	13.7,	332.7,	236.4,	-181.0,	-35.0,	16	13.7,	341.3,	189.9,	-150.9,	-45.5,
17	13.7,	339.6,	138.4,	-116.9,	-54.7,	18	13.7,	333.6,	101.5,	-90.1,	-61.4,

19	13.7,	341.4,	154.2,	-103.8,	-66.4,	20	13.7,	340.1,	204.2,	-116.3,	-70.0,
21	13.7,	328.4,	248.8,	-126.0,	-71.4,	22	13.7,	306.8,	285.7,	-131.8,	-70.6,
23	13.7,	275.8,	314.0,	-133.6,	-67.7,	24	13.7,	236.4,	332.7,	-131.4,	-62.8,
25	13.7,	189.9,	341.3,	-125.1,	-55.9,	26	13.7,	138.4,	339.6,	-115.1,	-47.8,
27	13.7,	101.5,	333.6,	-105.3,	-39.4,	28	13.7,	154.2,	341.4,	-104.3,	-26.7,
29	13.7,	204.2,	340.1,	-100.1,	-14.2,	30	13.7,	248.8,	328.4,	-92.8,	-1.6,
31	13.7,	285.7,	306.8,	-82.7,	11.1,	32	13.7,	314.0,	275.8,	-70.1,	23.4,
33	13.7,	332.7,	236.4,	-55.4,	35.0,	34	13.7,	341.3,	189.9,	-39.0,	45.5,
35	13.7,	339.6,	138.4,	-21.4,	54.7,	36	13.7,	333.6,	101.5,	-11.3,	61.4,

SOURCE ID: TRU38

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-51.2,	70.3,	2	13.7,	340.1,	204.2,	-89.4,	73.6,
3	13.7,	328.4,	248.8,	-124.9,	74.8,	4	13.7,	306.8,	285.7,	-156.6,	73.6,
5	13.7,	275.8,	314.0,	-183.5,	70.2,	6	13.7,	236.4,	332.7,	-204.8,	64.7,
7	13.7,	189.9,	341.3,	-220.0,	57.2,	8	13.7,	138.4,	339.6,	-228.4,	48.3,
9	13.7,	101.5,	333.6,	-232.2,	39.3,	10	13.7,	154.2,	341.4,	-241.0,	25.9,
11	13.7,	204.2,	340.1,	-243.7,	12.7,	12	13.7,	248.8,	328.4,	-239.0,	-0.5,
13	13.7,	285.7,	306.8,	-227.0,	-13.7,	14	13.7,	314.0,	275.8,	-208.1,	-26.5,
15	13.7,	332.7,	236.4,	-182.9,	-38.5,	16	13.7,	341.3,	189.9,	-152.1,	-49.3,
17	13.7,	339.6,	138.4,	-117.5,	-58.6,	18	13.7,	333.6,	101.5,	-90.0,	-65.4,
19	13.7,	341.4,	154.2,	-103.0,	-70.3,	20	13.7,	340.1,	204.2,	-114.9,	-73.6,
21	13.7,	328.4,	248.8,	-123.9,	-74.8,	22	13.7,	306.8,	285.7,	-129.2,	-73.6,
23	13.7,	275.8,	314.0,	-130.5,	-70.2,	24	13.7,	236.4,	332.7,	-127.9,	-64.7,
25	13.7,	189.9,	341.3,	-121.4,	-57.2,	26	13.7,	138.4,	339.6,	-111.2,	-48.3,
27	13.7,	101.5,	333.6,	-101.4,	-39.3,	28	13.7,	154.2,	341.4,	-100.4,	-25.9,
29	13.7,	204.2,	340.1,	-96.4,	-12.7,	30	13.7,	248.8,	328.4,	-89.4,	0.5,
31	13.7,	285.7,	306.8,	-79.8,	13.7,	32	13.7,	314.0,	275.8,	-67.7,	26.5,
33	13.7,	332.7,	236.4,	-53.5,	38.5,	34	13.7,	341.3,	189.9,	-37.8,	49.3,
35	13.7,	339.6,	138.4,	-20.8,	58.6,	36	13.7,	333.6,	101.5,	-11.5,	65.4,

\*\*\* AERMOD - VERSION 23132 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\15639  
 Spreckels\15639 Ops HRA\1 \*\*\* 09/20/24  
 \*\*\* AERMET - VERSION 21112 \*\*\*  
 \*\*\* 11:04:36

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: TRU39

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-52.1,	74.2,	2	13.7,	340.1,	204.2,	-91.0,	77.4,
3	13.7,	328.4,	248.8,	-127.1,	78.2,	4	13.7,	306.8,	285.7,	-159.3,	76.6,
5	13.7,	275.8,	314.0,	-186.7,	72.6,	6	13.7,	236.4,	332.7,	-208.4,	66.5,
7	13.7,	189.9,	341.3,	-223.8,	58.4,	8	13.7,	138.4,	339.6,	-232.4,	48.8,
9	13.7,	101.5,	333.6,	-236.3,	39.1,	10	13.7,	154.2,	341.4,	-245.0,	25.0,
11	13.7,	204.2,	340.1,	-247.4,	11.2,	12	13.7,	248.8,	328.4,	-242.4,	-2.7,
13	13.7,	285.7,	306.8,	-230.0,	-16.5,	14	13.7,	314.0,	275.8,	-210.5,	-29.7,
15	13.7,	332.7,	236.4,	-184.7,	-42.1,	16	13.7,	341.3,	189.9,	-153.3,	-53.2,
17	13.7,	339.6,	138.4,	-118.0,	-62.6,	18	13.7,	333.6,	101.5,	-89.8,	-69.5,
19	13.7,	341.4,	154.2,	-102.0,	-74.2,	20	13.7,	340.1,	204.2,	-113.3,	-77.4,
21	13.7,	328.4,	248.8,	-121.7,	-78.2,	22	13.7,	306.8,	285.7,	-126.4,	-76.6,
23	13.7,	275.8,	314.0,	-127.3,	-72.6,	24	13.7,	236.4,	332.7,	-124.3,	-66.5,
25	13.7,	189.9,	341.3,	-117.5,	-58.4,	26	13.7,	138.4,	339.6,	-107.1,	-48.8,
27	13.7,	101.5,	333.6,	-97.3,	-39.1,	28	13.7,	154.2,	341.4,	-96.5,	-25.0,
29	13.7,	204.2,	340.1,	-92.6,	-11.2,	30	13.7,	248.8,	328.4,	-86.0,	2.7,
31	13.7,	285.7,	306.8,	-76.8,	16.5,	32	13.7,	314.0,	275.8,	-65.2,	29.7,
33	13.7,	332.7,	236.4,	-51.7,	42.1,	34	13.7,	341.3,	189.9,	-36.6,	53.2,
35	13.7,	339.6,	138.4,	-20.4,	62.6,	36	13.7,	333.6,	101.5,	-11.7,	69.5,

SOURCE ID: TRU40

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-52.8,	78.2,	2	13.7,	340.1,	204.2,	-92.4,	81.1,
3	13.7,	328.4,	248.8,	-129.1,	81.6,	4	13.7,	306.8,	285.7,	-161.9,	79.6,
5	13.7,	275.8,	314.0,	-189.8,	75.2,	6	13.7,	236.4,	332.7,	-211.9,	68.5,
7	13.7,	189.9,	341.3,	-227.6,	59.7,	8	13.7,	138.4,	339.6,	-236.4,	49.5,
9	13.7,	101.5,	333.6,	-240.3,	39.0,	10	13.7,	154.2,	341.4,	-248.9,	24.2,
11	13.7,	204.2,	340.1,	-251.2,	9.7,	12	13.7,	248.8,	328.4,	-245.8,	-4.7,
13	13.7,	285.7,	306.8,	-233.0,	-19.1,	14	13.7,	314.0,	275.8,	-213.1,	-32.8,
15	13.7,	332.7,	236.4,	-186.7,	-45.6,	16	13.7,	341.3,	189.9,	-154.7,	-57.0,
17	13.7,	339.6,	138.4,	-118.7,	-66.6,	18	13.7,	333.6,	101.5,	-89.8,	-73.5,
19	13.7,	341.4,	154.2,	-101.3,	-78.2,	20	13.7,	340.1,	204.2,	-111.9,	-81.1,
21	13.7,	328.4,	248.8,	-119.6,	-81.6,	22	13.7,	306.8,	285.7,	-123.8,	-79.6,
23	13.7,	275.8,	314.0,	-124.1,	-75.2,	24	13.7,	236.4,	332.7,	-120.8,	-68.5,
25	13.7,	189.9,	341.3,	-113.7,	-59.7,	26	13.7,	138.4,	339.6,	-103.2,	-49.5,
27	13.7,	101.5,	333.6,	-93.3,	-39.0,	28	13.7,	154.2,	341.4,	-92.5,	-24.2,
29	13.7,	204.2,	340.1,	-88.9,	-9.7,	30	13.7,	248.8,	328.4,	-82.6,	4.7,
31	13.7,	285.7,	306.8,	-73.8,	19.1,	32	13.7,	314.0,	275.8,	-62.7,	32.8,
33	13.7,	332.7,	236.4,	-49.7,	45.6,	34	13.7,	341.3,	189.9,	-35.2,	57.0,
35	13.7,	339.6,	138.4,	-19.7,	66.6,	36	13.7,	333.6,	101.5,	-11.7,	73.5,

SOURCE ID: TRU41

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-54.6,	85.8,	2	13.7,	340.1,	204.2,	-95.4,	88.3,
3	13.7,	328.4,	248.8,	-133.3,	88.1,	4	13.7,	306.8,	285.7,	-167.2,	85.3,
5	13.7,	275.8,	314.0,	-196.0,	79.9,	6	13.7,	236.4,	332.7,	-218.8,	72.0,
7	13.7,	189.9,	341.3,	-235.0,	62.0,	8	13.7,	138.4,	339.6,	-244.1,	50.4,
9	13.7,	101.5,	333.6,	-248.0,	38.6,	10	13.7,	154.2,	341.4,	-256.5,	22.5,
11	13.7,	204.2,	340.1,	-258.3,	6.7,	12	13.7,	248.8,	328.4,	-252.3,	-9.0,
13	13.7,	285.7,	306.8,	-238.7,	-24.4,	14	13.7,	314.0,	275.8,	-217.8,	-39.0,
15	13.7,	332.7,	236.4,	-190.2,	-52.5,	16	13.7,	341.3,	189.9,	-156.9,	-64.4,
17	13.7,	339.6,	138.4,	-119.6,	-74.3,	18	13.7,	333.6,	101.5,	-89.4,	-81.2,
19	13.7,	341.4,	154.2,	-99.6,	-85.8,	20	13.7,	340.1,	204.2,	-108.8,	-88.3,
21	13.7,	328.4,	248.8,	-115.4,	-88.1,	22	13.7,	306.8,	285.7,	-118.5,	-85.3,
23	13.7,	275.8,	314.0,	-118.0,	-79.9,	24	13.7,	236.4,	332.7,	-113.8,	-72.0,
25	13.7,	189.9,	341.3,	-106.3,	-62.0,	26	13.7,	138.4,	339.6,	-95.5,	-50.4,
27	13.7,	101.5,	333.6,	-85.5,	-38.6,	28	13.7,	154.2,	341.4,	-84.9,	-22.5,
29	13.7,	204.2,	340.1,	-81.7,	-6.7,	30	13.7,	248.8,	328.4,	-76.0,	9.0,
31	13.7,	285.7,	306.8,	-68.1,	24.4,	32	13.7,	314.0,	275.8,	-58.0,	39.0,
33	13.7,	332.7,	236.4,	-46.2,	52.5,	34	13.7,	341.3,	189.9,	-32.9,	64.4,
35	13.7,	339.6,	138.4,	-18.7,	74.3,	36	13.7,	333.6,	101.5,	-12.1,	81.2,

SOURCE ID: TRU42

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-55.2,	89.7,	2	13.7,	340.1,	204.2,	-96.7,	92.0,
3	13.7,	328.4,	248.8,	-135.3,	91.6,	4	13.7,	306.8,	285.7,	-169.7,	88.4,
5	13.7,	275.8,	314.0,	-199.0,	82.5,	6	13.7,	236.4,	332.7,	-222.3,	74.0,
7	13.7,	189.9,	341.3,	-238.8,	63.4,	8	13.7,	138.4,	339.6,	-248.0,	51.2,
9	13.7,	101.5,	333.6,	-252.0,	38.7,	10	13.7,	154.2,	341.4,	-260.4,	21.8,
11	13.7,	204.2,	340.1,	-262.1,	5.4,	12	13.7,	248.8,	328.4,	-255.8,	-10.9,
13	13.7,	285.7,	306.8,	-241.8,	-26.9,	14	13.7,	314.0,	275.8,	-220.4,	-42.0,
15	13.7,	332.7,	236.4,	-192.3,	-55.9,	16	13.7,	341.3,	189.9,	-158.3,	-68.1,
17	13.7,	339.6,	138.4,	-120.3,	-78.2,	18	13.7,	333.6,	101.5,	-89.4,	-85.2,
19	13.7,	341.4,	154.2,	-98.9,	-89.7,	20	13.7,	340.1,	204.2,	-107.5,	-92.0,
21	13.7,	328.4,	248.8,	-113.5,	-91.6,	22	13.7,	306.8,	285.7,	-116.0,	-88.4,
23	13.7,	275.8,	314.0,	-114.9,	-82.5,	24	13.7,	236.4,	332.7,	-110.4,	-74.0,
25	13.7,	189.9,	341.3,	-102.5,	-63.4,	26	13.7,	138.4,	339.6,	-91.6,	-51.2,
27	13.7,	101.5,	333.6,	-81.6,	-38.7,	28	13.7,	154.2,	341.4,	-81.0,	-21.8,
29	13.7,	204.2,	340.1,	-78.0,	-5.4,	30	13.7,	248.8,	328.4,	-72.6,	10.9,
31	13.7,	285.7,	306.8,	-65.0,	26.9,	32	13.7,	314.0,	275.8,	-55.4,	42.0,
33	13.7,	332.7,	236.4,	-44.2,	55.9,	34	13.7,	341.3,	189.9,	-31.6,	68.1,
35	13.7,	339.6,	138.4,	-18.0,	78.2,	36	13.7,	333.6,	101.5,	-12.1,	85.2,

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: TRU43

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-56.0,	93.5,	2	13.7,	340.1,	204.2,	-98.2,	95.7,
3	13.7,	328.4,	248.8,	-137.3,	94.9,	4	13.7,	306.8,	285.7,	-172.3,	91.3,
5	13.7,	275.8,	314.0,	-202.1,	84.9,	6	13.7,	236.4,	332.7,	-225.7,	75.9,
7	13.7,	189.9,	341.3,	-242.5,	64.6,	8	13.7,	138.4,	339.6,	-251.9,	51.7,
9	13.7,	101.5,	333.6,	-255.9,	38.5,	10	13.7,	154.2,	341.4,	-264.2,	21.1,
11	13.7,	204.2,	340.1,	-265.7,	3.9,	12	13.7,	248.8,	328.4,	-259.1,	-13.0,
13	13.7,	285.7,	306.8,	-244.7,	-29.5,	14	13.7,	314.0,	275.8,	-222.8,	-45.1,
15	13.7,	332.7,	236.4,	-194.1,	-59.4,	16	13.7,	341.3,	189.9,	-159.6,	-71.8,
17	13.7,	339.6,	138.4,	-120.9,	-82.1,	18	13.7,	333.6,	101.5,	-89.3,	-89.1,
19	13.7,	341.4,	154.2,	-98.1,	-93.5,	20	13.7,	340.1,	204.2,	-106.1,	-95.7,
21	13.7,	328.4,	248.8,	-111.4,	-94.9,	22	13.7,	306.8,	285.7,	-113.4,	-91.3,
23	13.7,	275.8,	314.0,	-111.9,	-84.9,	24	13.7,	236.4,	332.7,	-107.0,	-75.9,
25	13.7,	189.9,	341.3,	-98.8,	-64.6,	26	13.7,	138.4,	339.6,	-87.7,	-51.7,
27	13.7,	101.5,	333.6,	-77.7,	-38.5,	28	13.7,	154.2,	341.4,	-77.2,	-21.1,
29	13.7,	204.2,	340.1,	-74.3,	-3.9,	30	13.7,	248.8,	328.4,	-69.3,	13.0,
31	13.7,	285.7,	306.8,	-62.1,	29.5,	32	13.7,	314.0,	275.8,	-53.0,	45.1,
33	13.7,	332.7,	236.4,	-42.3,	59.4,	34	13.7,	341.3,	189.9,	-30.3,	71.8,
35	13.7,	339.6,	138.4,	-17.4,	82.1,	36	13.7,	333.6,	101.5,	-12.2,	89.1,

SOURCE ID: TRU44

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-56.8,	97.3,	2	13.7,	340.1,	204.2,	-99.6,	99.3,
3	13.7,	328.4,	248.8,	-139.3,	98.2,	4	13.7,	306.8,	285.7,	-174.9,	94.2,
5	13.7,	275.8,	314.0,	-205.1,	87.3,	6	13.7,	236.4,	332.7,	-229.1,	77.8,
7	13.7,	189.9,	341.3,	-246.1,	65.9,	8	13.7,	138.4,	339.6,	-255.7,	52.3,
9	13.7,	101.5,	333.6,	-259.8,	38.5,	10	13.7,	154.2,	341.4,	-268.0,	20.3,
11	13.7,	204.2,	340.1,	-269.3,	2.5,	12	13.7,	248.8,	328.4,	-262.4,	-15.0,
13	13.7,	285.7,	306.8,	-247.6,	-32.0,	14	13.7,	314.0,	275.8,	-225.2,	-48.1,
15	13.7,	332.7,	236.4,	-196.0,	-62.8,	16	13.7,	341.3,	189.9,	-160.8,	-75.5,
17	13.7,	339.6,	138.4,	-121.5,	-85.9,	18	13.7,	333.6,	101.5,	-89.2,	-93.0,
19	13.7,	341.4,	154.2,	-97.4,	-97.3,	20	13.7,	340.1,	204.2,	-104.7,	-99.3,
21	13.7,	328.4,	248.8,	-109.4,	-98.2,	22	13.7,	306.8,	285.7,	-110.8,	-94.2,
23	13.7,	275.8,	314.0,	-108.9,	-87.3,	24	13.7,	236.4,	332.7,	-103.6,	-77.8,
25	13.7,	189.9,	341.3,	-95.2,	-65.9,	26	13.7,	138.4,	339.6,	-83.9,	-52.3,
27	13.7,	101.5,	333.6,	-73.8,	-38.5,	28	13.7,	154.2,	341.4,	-73.4,	-20.3,
29	13.7,	204.2,	340.1,	-70.8,	-2.5,	30	13.7,	248.8,	328.4,	-66.0,	15.0,
31	13.7,	285.7,	306.8,	-59.2,	32.0,	32	13.7,	314.0,	275.8,	-50.6,	48.1,
33	13.7,	332.7,	236.4,	-40.4,	62.8,	34	13.7,	341.3,	189.9,	-29.1,	75.5,
35	13.7,	339.6,	138.4,	-16.8,	85.9,	36	13.7,	333.6,	101.5,	-12.2,	93.0,

SOURCE ID: TRU45

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-57.6,	101.2,	2	13.7,	340.1,	204.2,	-101.0,	103.0,
3	13.7,	328.4,	248.8,	-141.4,	101.6,	4	13.7,	306.8,	285.7,	-177.5,	97.2,
5	13.7,	275.8,	314.0,	-208.2,	89.8,	6	13.7,	236.4,	332.7,	-232.6,	79.7,
7	13.7,	189.9,	341.3,	-249.9,	67.1,	8	13.7,	138.4,	339.6,	-259.6,	52.9,
9	13.7,	101.5,	333.6,	-263.8,	38.3,	10	13.7,	154.2,	341.4,	-271.9,	19.5,
11	13.7,	204.2,	340.1,	-273.0,	1.1,	12	13.7,	248.8,	328.4,	-265.8,	-17.1,
13	13.7,	285.7,	306.8,	-250.6,	-34.7,	14	13.7,	314.0,	275.8,	-227.7,	-51.2,
15	13.7,	332.7,	236.4,	-197.9,	-66.3,	16	13.7,	341.3,	189.9,	-162.1,	-79.3,
17	13.7,	339.6,	138.4,	-122.1,	-89.8,	18	13.7,	333.6,	101.5,	-89.1,	-97.0,
19	13.7,	341.4,	154.2,	-96.6,	-101.2,	20	13.7,	340.1,	204.2,	-103.2,	-103.0,
21	13.7,	328.4,	248.8,	-107.3,	-101.6,	22	13.7,	306.8,	285.7,	-108.2,	-97.2,

23	13.7,	275.8,	314.0,	-105.7,	-89.8,	24	13.7,	236.4,	332.7,	-100.1,	-79.7,
25	13.7,	189.9,	341.3,	-91.4,	-67.1,	26	13.7,	138.4,	339.6,	-79.9,	-52.9,
27	13.7,	101.5,	333.6,	-69.8,	-38.3,	28	13.7,	154.2,	341.4,	-69.5,	-19.5,
29	13.7,	204.2,	340.1,	-67.0,	-1.1,	30	13.7,	248.8,	328.4,	-62.6,	17.1,
31	13.7,	285.7,	306.8,	-56.2,	34.7,	32	13.7,	314.0,	275.8,	-48.1,	51.2,
33	13.7,	332.7,	236.4,	-38.6,	66.3,	34	13.7,	341.3,	189.9,	-27.8,	79.3,
35	13.7,	339.6,	138.4,	-16.3,	89.8,	36	13.7,	333.6,	101.5,	-12.4,	97.0,

SOURCE ID: TRU46

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-58.5,	105.2,	2	13.7,	340.1,	204.2,	-102.6,	106.7,
3	13.7,	328.4,	248.8,	-143.6,	105.0,	4	13.7,	306.8,	285.7,	-180.3,	100.1,
5	13.7,	275.8,	314.0,	-211.5,	92.2,	6	13.7,	236.4,	332.7,	-236.2,	81.5,
7	13.7,	189.9,	341.3,	-253.8,	68.3,	8	13.7,	138.4,	339.6,	-263.7,	53.4,
9	13.7,	101.5,	333.6,	-267.8,	38.1,	10	13.7,	154.2,	341.4,	-275.9,	18.6,
11	13.7,	204.2,	340.1,	-276.8,	-0.5,	12	13.7,	248.8,	328.4,	-269.2,	-19.3,
13	13.7,	285.7,	306.8,	-253.5,	-37.4,	14	13.7,	314.0,	275.8,	-230.1,	-54.5,
15	13.7,	332.7,	236.4,	-199.7,	-69.9,	16	13.7,	341.3,	189.9,	-163.2,	-83.1,
17	13.7,	339.6,	138.4,	-122.6,	-93.9,	18	13.7,	333.6,	101.5,	-88.9,	-101.0,
19	13.7,	341.4,	154.2,	-95.7,	-105.2,	20	13.7,	340.1,	204.2,	-101.6,	-106.7,
21	13.7,	328.4,	248.8,	-105.1,	-105.0,	22	13.7,	306.8,	285.7,	-105.4,	-100.1,
23	13.7,	275.8,	314.0,	-102.5,	-92.2,	24	13.7,	236.4,	332.7,	-96.5,	-81.5,
25	13.7,	189.9,	341.3,	-87.5,	-68.3,	26	13.7,	138.4,	339.6,	-75.9,	-53.4,
27	13.7,	101.5,	333.6,	-65.8,	-38.1,	28	13.7,	154.2,	341.4,	-65.5,	-18.6,
29	13.7,	204.2,	340.1,	-63.3,	0.5,	30	13.7,	248.8,	328.4,	-59.2,	19.3,
31	13.7,	285.7,	306.8,	-53.2,	37.4,	32	13.7,	314.0,	275.8,	-45.7,	54.5,
33	13.7,	332.7,	236.4,	-36.7,	69.9,	34	13.7,	341.3,	189.9,	-26.7,	83.1,
35	13.7,	339.6,	138.4,	-15.8,	93.9,	36	13.7,	333.6,	101.5,	-12.6,	101.0,

\*\*\* AERMOD - VERSION 23132 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\15639 Spreckels\15639 Ops HRA\1 \*\*\* 09/20/24

\*\*\* AERMET - VERSION 21112 \*\*\*

\*\*\* 11:04:36

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: TTP1

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	13.1,	-102.9,	2	13.7,	340.1,	204.2,	3.9,	-85.8,
3	13.7,	328.4,	248.8,	-5.3,	-66.0,	4	13.7,	306.8,	285.7,	-14.3,	-44.3,
5	13.7,	275.8,	314.0,	-22.9,	-21.2,	6	13.7,	236.4,	332.7,	-30.9,	2.6,
7	13.7,	189.9,	341.3,	-37.8,	26.2,	8	13.7,	138.4,	339.6,	-43.7,	49.5,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	0.0,	0.0,	0.0,	0.0,	0.0,
11	13.7,	204.2,	340.1,	-84.3,	106.1,	12	13.7,	248.8,	328.4,	-98.2,	119.1,
13	13.7,	285.7,	306.8,	-109.1,	128.5,	14	13.7,	314.0,	275.8,	-116.7,	134.1,
15	13.7,	332.7,	236.4,	-120.8,	135.5,	16	13.7,	341.3,	189.9,	-121.2,	132.8,
17	13.7,	339.6,	138.4,	-118.6,	126.1,	18	13.7,	333.6,	101.5,	-123.2,	116.3,
19	13.7,	341.4,	154.2,	-167.2,	102.9,	20	13.7,	340.1,	204.2,	-208.2,	85.8,
21	13.7,	328.4,	248.8,	-243.5,	66.0,	22	13.7,	306.8,	285.7,	-271.4,	44.3,
23	13.7,	275.8,	314.0,	-291.0,	21.2,	24	13.7,	236.4,	332.7,	-301.9,	-2.6,
25	13.7,	189.9,	341.3,	-303.5,	-26.2,	26	13.7,	138.4,	339.6,	-295.9,	-49.5,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	0.0,	0.0,	0.0,	0.0,	0.0,
29	13.7,	204.2,	340.1,	-255.8,	-106.1,	30	13.7,	248.8,	328.4,	-230.2,	-119.1,
31	13.7,	285.7,	306.8,	-197.7,	-128.5,	32	13.7,	314.0,	275.8,	-159.1,	-134.1,
33	13.7,	332.7,	236.4,	-115.7,	-135.5,	34	13.7,	341.3,	189.9,	-68.7,	-132.8,
35	13.7,	339.6,	138.4,	-19.7,	-126.1,	36	13.7,	333.6,	101.5,	21.7,	-116.3,

SOURCE ID: TTP2

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	12.4,	-100.0,	2	13.7,	340.1,	204.2,	2.8,	-83.1,

3	13.7,	328.4,	248.8,	-6.8,	-63.6,	4	13.7,	306.8,	285.7,	-16.3,	-42.1,
5	13.7,	275.8,	314.0,	-25.2,	-19.4,	6	13.7,	236.4,	332.7,	-33.4,	3.9,
7	13.7,	189.9,	341.3,	-40.6,	27.1,	8	13.7,	138.4,	339.6,	-46.6,	49.8,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	0.0,	0.0,	0.0,	0.0,	0.0,
11	13.7,	204.2,	340.1,	-87.0,	105.0,	12	13.7,	248.8,	328.4,	-100.6,	117.6,
13	13.7,	285.7,	306.8,	-111.3,	126.6,	14	13.7,	314.0,	275.8,	-118.5,	131.7,
15	13.7,	332.7,	236.4,	-122.1,	132.9,	16	13.7,	341.3,	189.9,	-122.0,	130.0,
17	13.7,	339.6,	138.4,	-119.0,	123.2,	18	13.7,	333.6,	101.5,	-123.1,	113.4,
19	13.7,	341.4,	154.2,	-166.6,	100.0,	20	13.7,	340.1,	204.2,	-207.1,	83.1,
21	13.7,	328.4,	248.8,	-241.9,	63.6,	22	13.7,	306.8,	285.7,	-269.4,	42.1,
23	13.7,	275.8,	314.0,	-288.7,	19.4,	24	13.7,	236.4,	332.7,	-299.3,	-3.9,
25	13.7,	189.9,	341.3,	-300.7,	-27.1,	26	13.7,	138.4,	339.6,	-293.0,	-49.8,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	0.0,	0.0,	0.0,	0.0,	0.0,
29	13.7,	204.2,	340.1,	-253.1,	-105.0,	30	13.7,	248.8,	328.4,	-227.8,	-117.6,
31	13.7,	285.7,	306.8,	-195.5,	-126.6,	32	13.7,	314.0,	275.8,	-157.3,	-131.7,
33	13.7,	332.7,	236.4,	-114.3,	-132.9,	34	13.7,	341.3,	189.9,	-67.8,	-130.0,
35	13.7,	339.6,	138.4,	-19.3,	-123.2,	36	13.7,	333.6,	101.5,	21.6,	-113.4,

SOURCE ID: TTP3

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	11.9,	-97.0,	2	13.7,	340.1,	204.2,	1.8,	-80.2,
3	13.7,	328.4,	248.8,	-8.4,	-60.9,	4	13.7,	306.8,	285.7,	-18.2,	-39.8,
5	13.7,	275.8,	314.0,	-27.6,	-17.4,	6	13.7,	236.4,	332.7,	-36.1,	5.4,
7	13.7,	189.9,	341.3,	-43.5,	28.2,	8	13.7,	138.4,	339.6,	-49.6,	50.4,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	0.0,	0.0,	0.0,	0.0,	0.0,
11	13.7,	204.2,	340.1,	-89.8,	103.9,	12	13.7,	248.8,	328.4,	-103.3,	116.0,
13	13.7,	285.7,	306.8,	-113.6,	124.6,	14	13.7,	314.0,	275.8,	-120.5,	129.4,
15	13.7,	332.7,	236.4,	-123.6,	130.3,	16	13.7,	341.3,	189.9,	-123.1,	127.2,
17	13.7,	339.6,	138.4,	-119.6,	120.2,	18	13.7,	333.6,	101.5,	-123.1,	110.3,
19	13.7,	341.4,	154.2,	-166.0,	97.0,	20	13.7,	340.1,	204.2,	-206.1,	80.2,
21	13.7,	328.4,	248.8,	-240.4,	60.9,	22	13.7,	306.8,	285.7,	-267.5,	39.8,
23	13.7,	275.8,	314.0,	-286.4,	17.4,	24	13.7,	236.4,	332.7,	-296.6,	-5.4,
25	13.7,	189.9,	341.3,	-297.8,	-28.2,	26	13.7,	138.4,	339.6,	-290.0,	-50.4,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	0.0,	0.0,	0.0,	0.0,	0.0,
29	13.7,	204.2,	340.1,	-250.2,	-103.9,	30	13.7,	248.8,	328.4,	-225.1,	-116.0,
31	13.7,	285.7,	306.8,	-193.2,	-124.6,	32	13.7,	314.0,	275.8,	-155.3,	-129.4,
33	13.7,	332.7,	236.4,	-112.8,	-130.3,	34	13.7,	341.3,	189.9,	-66.8,	-127.2,
35	13.7,	339.6,	138.4,	-18.8,	-120.2,	36	13.7,	333.6,	101.5,	21.6,	-110.3,

SOURCE ID: TTP4

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	11.1,	-94.0,	2	13.7,	340.1,	204.2,	0.5,	-77.3,
3	13.7,	328.4,	248.8,	-10.1,	-58.3,	4	13.7,	306.8,	285.7,	-20.5,	-37.5,
5	13.7,	275.8,	314.0,	-30.2,	-15.6,	6	13.7,	236.4,	332.7,	-38.9,	6.8,
7	13.7,	189.9,	341.3,	-46.5,	29.0,	8	13.7,	138.4,	339.6,	-52.7,	50.7,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	0.0,	0.0,	0.0,	0.0,	0.0,
11	13.7,	204.2,	340.1,	-92.7,	102.6,	12	13.7,	248.8,	328.4,	-105.9,	114.2,
13	13.7,	285.7,	306.8,	-115.9,	122.4,	14	13.7,	314.0,	275.8,	-122.3,	126.8,
15	13.7,	332.7,	236.4,	-125.0,	127.4,	16	13.7,	341.3,	189.9,	-123.9,	124.1,
17	13.7,	339.6,	138.4,	-119.9,	117.1,	18	13.7,	333.6,	101.5,	-122.8,	107.2,
19	13.7,	341.4,	154.2,	-165.2,	94.0,	20	13.7,	340.1,	204.2,	-204.7,	77.3,
21	13.7,	328.4,	248.8,	-238.6,	58.3,	22	13.7,	306.8,	285.7,	-265.2,	37.5,
23	13.7,	275.8,	314.0,	-283.8,	15.6,	24	13.7,	236.4,	332.7,	-293.8,	-6.8,
25	13.7,	189.9,	341.3,	-294.8,	-29.0,	26	13.7,	138.4,	339.6,	-286.8,	-50.7,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	0.0,	0.0,	0.0,	0.0,	0.0,
29	13.7,	204.2,	340.1,	-247.4,	-102.6,	30	13.7,	248.8,	328.4,	-222.5,	-114.2,
31	13.7,	285.7,	306.8,	-190.9,	-122.4,	32	13.7,	314.0,	275.8,	-153.5,	-126.8,
33	13.7,	332.7,	236.4,	-111.4,	-127.4,	34	13.7,	341.3,	189.9,	-66.0,	-124.1,
35	13.7,	339.6,	138.4,	-18.5,	-117.1,	36	13.7,	333.6,	101.5,	21.4,	-107.2,

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

## \*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: TTP5

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	10.5,	-91.0,	2	13.7,	340.1,	204.2,	-0.7,	-74.5,
3	13.7,	328.4,	248.8,	-11.8,	-55.7,	4	13.7,	306.8,	285.7,	-22.5,	-35.3,
5	13.7,	275.8,	314.0,	-32.6,	-13.7,	6	13.7,	236.4,	332.7,	-41.6,	8.2,
7	13.7,	189.9,	341.3,	-49.4,	29.9,	8	13.7,	138.4,	339.6,	-55.7,	51.1,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	0.0,	0.0,	0.0,	0.0,	0.0,
11	13.7,	204.2,	340.1,	-95.5,	101.5,	12	13.7,	248.8,	328.4,	-108.5,	112.6,
13	13.7,	285.7,	306.8,	-118.1,	120.3,	14	13.7,	314.0,	275.8,	-124.2,	124.4,
15	13.7,	332.7,	236.4,	-126.4,	124.7,	16	13.7,	341.3,	189.9,	-124.9,	121.2,
17	13.7,	339.6,	138.4,	-120.3,	114.0,	18	13.7,	333.6,	101.5,	-122.7,	104.1,
19	13.7,	341.4,	154.2,	-164.6,	91.0,	20	13.7,	340.1,	204.2,	-203.6,	74.5,
21	13.7,	328.4,	248.8,	-237.0,	55.7,	22	13.7,	306.8,	285.7,	-263.2,	35.3,
23	13.7,	275.8,	314.0,	-281.4,	13.7,	24	13.7,	236.4,	332.7,	-291.1,	-8.2,
25	13.7,	189.9,	341.3,	-291.9,	-29.9,	26	13.7,	138.4,	339.6,	-283.8,	-51.1,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	0.0,	0.0,	0.0,	0.0,	0.0,
29	13.7,	204.2,	340.1,	-244.5,	-101.5,	30	13.7,	248.8,	328.4,	-219.9,	-112.6,
31	13.7,	285.7,	306.8,	-188.6,	-120.3,	32	13.7,	314.0,	275.8,	-151.6,	-124.4,
33	13.7,	332.7,	236.4,	-110.0,	-124.7,	34	13.7,	341.3,	189.9,	-65.0,	-121.2,
35	13.7,	339.6,	138.4,	-18.1,	-114.0,	36	13.7,	333.6,	101.5,	21.2,	-104.1,

SOURCE ID: TTP6

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	10.1,	-88.1,	2	13.7,	340.1,	204.2,	-1.6,	-71.7,
3	13.7,	328.4,	248.8,	-13.1,	-53.1,	4	13.7,	306.8,	285.7,	-24.3,	-32.9,
5	13.7,	275.8,	314.0,	-34.7,	-11.8,	6	13.7,	236.4,	332.7,	-44.1,	9.8,
7	13.7,	189.9,	341.3,	-52.1,	31.0,	8	13.7,	138.4,	339.6,	-58.6,	51.7,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	0.0,	0.0,	0.0,	0.0,	0.0,
11	13.7,	204.2,	340.1,	-98.3,	100.6,	12	13.7,	248.8,	328.4,	-111.1,	111.2,
13	13.7,	285.7,	306.8,	-120.4,	118.5,	14	13.7,	314.0,	275.8,	-126.1,	122.2,
15	13.7,	332.7,	236.4,	-128.0,	122.2,	16	13.7,	341.3,	189.9,	-126.0,	118.5,
17	13.7,	339.6,	138.4,	-120.9,	111.2,	18	13.7,	333.6,	101.5,	-122.8,	101.2,
19	13.7,	341.4,	154.2,	-164.2,	88.1,	20	13.7,	340.1,	204.2,	-202.7,	71.7,
21	13.7,	328.4,	248.8,	-235.6,	53.1,	22	13.7,	306.8,	285.7,	-261.4,	32.9,
23	13.7,	275.8,	314.0,	-279.2,	11.8,	24	13.7,	236.4,	332.7,	-288.6,	-9.8,
25	13.7,	189.9,	341.3,	-289.2,	-31.0,	26	13.7,	138.4,	339.6,	-281.0,	-51.7,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	0.0,	0.0,	0.0,	0.0,	0.0,
29	13.7,	204.2,	340.1,	-241.7,	-100.6,	30	13.7,	248.8,	328.4,	-217.3,	-111.2,
31	13.7,	285.7,	306.8,	-186.3,	-118.5,	32	13.7,	314.0,	275.8,	-149.7,	-122.2,
33	13.7,	332.7,	236.4,	-108.4,	-122.2,	34	13.7,	341.3,	189.9,	-63.9,	-118.5,
35	13.7,	339.6,	138.4,	-17.5,	-111.2,	36	13.7,	333.6,	101.5,	21.4,	-101.2,

SOURCE ID: TTP7

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	9.3,	-85.3,	2	13.7,	340.1,	204.2,	-2.8,	-69.0,
3	13.7,	328.4,	248.8,	-14.8,	-50.7,	4	13.7,	306.8,	285.7,	-26.4,	-30.9,
5	13.7,	275.8,	314.0,	-37.1,	-10.1,	6	13.7,	236.4,	332.7,	-46.8,	11.0,
7	13.7,	189.9,	341.3,	-55.0,	31.8,	8	13.7,	138.4,	339.6,	-61.5,	52.0,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	0.0,	0.0,	0.0,	0.0,	0.0,
11	13.7,	204.2,	340.1,	-101.0,	99.3,	12	13.7,	248.8,	328.4,	-113.5,	109.6,
13	13.7,	285.7,	306.8,	-122.5,	116.5,	14	13.7,	314.0,	275.8,	-127.8,	119.9,
15	13.7,	332.7,	236.4,	-129.2,	119.6,	16	13.7,	341.3,	189.9,	-126.8,	115.7,
17	13.7,	339.6,	138.4,	-121.2,	108.3,	18	13.7,	333.6,	101.5,	-122.6,	98.3,
19	13.7,	341.4,	154.2,	-163.5,	85.3,	20	13.7,	340.1,	204.2,	-201.5,	69.0,
21	13.7,	328.4,	248.8,	-234.0,	50.7,	22	13.7,	306.8,	285.7,	-259.3,	30.9,
23	13.7,	275.8,	314.0,	-276.9,	10.1,	24	13.7,	236.4,	332.7,	-285.9,	-11.0,
25	13.7,	189.9,	341.3,	-286.3,	-31.8,	26	13.7,	138.4,	339.6,	-278.0,	-52.0,

27	0.0,	0.0,	0.0,	0.0,	0.0,	28	0.0,	0.0,	0.0,	0.0,	0.0,
29	13.7,	204.2,	340.1,	-239.1,	-99.3,	30	13.7,	248.8,	328.4,	-214.9,	-109.6,
31	13.7,	285.7,	306.8,	-184.2,	-116.5,	32	13.7,	314.0,	275.8,	-148.0,	-119.9,
33	13.7,	332.7,	236.4,	-107.2,	-119.6,	34	13.7,	341.3,	189.9,	-63.1,	-115.7,
35	13.7,	339.6,	138.4,	-17.2,	-108.3,	36	13.7,	333.6,	101.5,	21.1,	-98.3,

SOURCE ID: TTP8

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	8.7,	-82.4,	2	13.7,	340.1,	204.2,	-3.9,	-66.3,
3	13.7,	328.4,	248.8,	-16.4,	-48.2,	4	13.7,	306.8,	285.7,	-28.3,	-28.7,
5	13.7,	275.8,	314.0,	-39.4,	-8.3,	6	13.7,	236.4,	332.7,	-49.3,	12.4,
7	13.7,	189.9,	341.3,	-57.8,	32.7,	8	13.7,	138.4,	339.6,	-64.4,	52.4,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	0.0,	0.0,	0.0,	0.0,	0.0,
11	13.7,	204.2,	340.1,	-103.7,	98.2,	12	13.7,	248.8,	328.4,	-116.0,	108.0,
13	13.7,	285.7,	306.8,	-124.7,	114.5,	14	13.7,	314.0,	275.8,	-129.6,	117.5,
15	13.7,	332.7,	236.4,	-130.6,	117.0,	16	13.7,	341.3,	189.9,	-127.6,	112.9,
17	13.7,	339.6,	138.4,	-121.6,	105.4,	18	13.7,	333.6,	101.5,	-122.5,	95.3,
19	13.7,	341.4,	154.2,	-162.8,	82.4,	20	13.7,	340.1,	204.2,	-200.4,	66.3,
21	13.7,	328.4,	248.8,	-232.4,	48.2,	22	13.7,	306.8,	285.7,	-257.4,	28.7,
23	13.7,	275.8,	314.0,	-274.5,	8.3,	24	13.7,	236.4,	332.7,	-283.3,	-12.4,
25	13.7,	189.9,	341.3,	-283.6,	-32.7,	26	13.7,	138.4,	339.6,	-275.1,	-52.4,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	0.0,	0.0,	0.0,	0.0,	0.0,
29	13.7,	204.2,	340.1,	-236.4,	-98.2,	30	13.7,	248.8,	328.4,	-212.4,	-108.0,
31	13.7,	285.7,	306.8,	-182.1,	-114.5,	32	13.7,	314.0,	275.8,	-146.2,	-117.5,
33	13.7,	332.7,	236.4,	-105.8,	-117.0,	34	13.7,	341.3,	189.9,	-62.2,	-112.9,
35	13.7,	339.6,	138.4,	-16.8,	-105.4,	36	13.7,	333.6,	101.5,	21.0,	-95.3,

\*\*\* AERMOD - VERSION 23132 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\15639  
 Spreckels\15639 Ops HRA\1 \*\*\* 09/20/24

\*\*\* AERMET - VERSION 21112 \*\*\*  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: TTP9

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	8.2,	-79.4,	2	13.7,	340.1,	204.2,	-4.9,	-63.5,
3	13.7,	328.4,	248.8,	-17.9,	-45.6,	4	13.7,	306.8,	285.7,	-30.3,	-26.4,
5	13.7,	275.8,	314.0,	-41.8,	-6.3,	6	13.7,	236.4,	332.7,	-52.0,	13.9,
7	13.7,	189.9,	341.3,	-60.6,	33.7,	8	13.7,	138.4,	339.6,	-67.4,	52.9,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	0.0,	0.0,	0.0,	0.0,	0.0,
11	13.7,	204.2,	340.1,	-106.6,	97.2,	12	13.7,	248.8,	328.4,	-118.6,	106.5,
13	13.7,	285.7,	306.8,	-127.0,	112.6,	14	13.7,	314.0,	275.8,	-131.6,	115.2,
15	13.7,	332.7,	236.4,	-132.1,	114.4,	16	13.7,	341.3,	189.9,	-128.7,	110.0,
17	13.7,	339.6,	138.4,	-122.1,	102.4,	18	13.7,	333.6,	101.5,	-122.5,	92.3,
19	13.7,	341.4,	154.2,	-162.3,	79.4,	20	13.7,	340.1,	204.2,	-199.3,	63.5,
21	13.7,	328.4,	248.8,	-230.9,	45.6,	22	13.7,	306.8,	285.7,	-255.4,	26.4,
23	13.7,	275.8,	314.0,	-272.2,	6.3,	24	13.7,	236.4,	332.7,	-280.7,	-13.9,
25	13.7,	189.9,	341.3,	-280.7,	-33.7,	26	13.7,	138.4,	339.6,	-272.1,	-52.9,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	0.0,	0.0,	0.0,	0.0,	0.0,
29	13.7,	204.2,	340.1,	-233.5,	-97.2,	30	13.7,	248.8,	328.4,	-209.8,	-106.5,
31	13.7,	285.7,	306.8,	-179.7,	-112.6,	32	13.7,	314.0,	275.8,	-144.2,	-115.2,
33	13.7,	332.7,	236.4,	-104.3,	-114.4,	34	13.7,	341.3,	189.9,	-61.2,	-110.0,
35	13.7,	339.6,	138.4,	-16.3,	-102.4,	36	13.7,	333.6,	101.5,	21.0,	-92.3,

SOURCE ID: TTP10

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	7.4,	-76.3,	2	13.7,	340.1,	204.2,	-6.3,	-60.6,
3	13.7,	328.4,	248.8,	-19.7,	-43.0,	4	13.7,	306.8,	285.7,	-32.5,	-24.1,
5	13.7,	275.8,	314.0,	-44.4,	-4.5,	6	13.7,	236.4,	332.7,	-54.9,	15.3,



7	13.7,	189.9,	341.3,	-63.7,	34.6,	8	13.7,	138.4,	339.6,	-70.6,	53.2,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	0.0,	0.0,	0.0,	0.0,	0.0,
11	13.7,	204.2,	340.1,	-109.5,	95.9,	12	13.7,	248.8,	328.4,	-121.2,	104.7,
13	13.7,	285.7,	306.8,	-129.3,	110.3,	14	13.7,	314.0,	275.8,	-133.4,	112.6,
15	13.7,	332.7,	236.4,	-133.5,	111.5,	16	13.7,	341.3,	189.9,	-129.5,	107.0,
17	13.7,	339.6,	138.4,	-122.4,	99.2,	18	13.7,	333.6,	101.5,	-122.2,	89.1,
19	13.7,	341.4,	154.2,	-161.5,	76.3,	20	13.7,	340.1,	204.2,	-198.0,	60.6,
21	13.7,	328.4,	248.8,	-229.1,	43.0,	22	13.7,	306.8,	285.7,	-253.2,	24.1,
23	13.7,	275.8,	314.0,	-269.6,	4.5,	24	13.7,	236.4,	332.7,	-277.8,	-15.3,
25	13.7,	189.9,	341.3,	-277.6,	-34.6,	26	13.7,	138.4,	339.6,	-269.0,	-53.2,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	0.0,	0.0,	0.0,	0.0,	0.0,
29	13.7,	204.2,	340.1,	-230.6,	-95.9,	30	13.7,	248.8,	328.4,	-207.2,	-104.7,
31	13.7,	285.7,	306.8,	-177.5,	-110.3,	32	13.7,	314.0,	275.8,	-142.4,	-112.6,
33	13.7,	332.7,	236.4,	-102.9,	-111.5,	34	13.7,	341.3,	189.9,	-60.4,	-107.0,
35	13.7,	339.6,	138.4,	-16.0,	-99.2,	36	13.7,	333.6,	101.5,	20.8,	-89.1,

SOURCE ID: TTP11

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	6.7,	-73.3,	2	13.7,	340.1,	204.2,	-7.4,	-57.8,
3	13.7,	328.4,	248.8,	-21.3,	-40.4,	4	13.7,	306.8,	285.7,	-34.6,	-21.9,
5	13.7,	275.8,	314.0,	-46.8,	-2.6,	6	13.7,	236.4,	332.7,	-57.5,	16.7,
7	13.7,	189.9,	341.3,	-66.6,	35.5,	8	13.7,	138.4,	339.6,	-73.6,	53.6,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-97.3,	83.8,
11	13.7,	204.2,	340.1,	-112.3,	94.7,	12	13.7,	248.8,	328.4,	-123.8,	103.1,
13	13.7,	285.7,	306.8,	-131.5,	108.3,	14	13.7,	314.0,	275.8,	-135.3,	110.2,
15	13.7,	332.7,	236.4,	-134.9,	108.8,	16	13.7,	341.3,	189.9,	-130.5,	104.1,
17	13.7,	339.6,	138.4,	-122.8,	96.2,	18	13.7,	333.6,	101.5,	-122.1,	86.1,
19	13.7,	341.4,	154.2,	-160.9,	73.3,	20	13.7,	340.1,	204.2,	-196.8,	57.8,
21	13.7,	328.4,	248.8,	-227.4,	40.4,	22	13.7,	306.8,	285.7,	-251.1,	21.9,
23	13.7,	275.8,	314.0,	-267.2,	2.6,	24	13.7,	236.4,	332.7,	-275.1,	-16.7,
25	13.7,	189.9,	341.3,	-274.7,	-35.5,	26	13.7,	138.4,	339.6,	-266.0,	-53.6,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-244.1,	-83.8,
29	13.7,	204.2,	340.1,	-227.8,	-94.7,	30	13.7,	248.8,	328.4,	-204.6,	-103.1,
31	13.7,	285.7,	306.8,	-175.2,	-108.3,	32	13.7,	314.0,	275.8,	-140.5,	-110.2,
33	13.7,	332.7,	236.4,	-101.5,	-108.8,	34	13.7,	341.3,	189.9,	-59.4,	-104.1,
35	13.7,	339.6,	138.4,	-15.6,	-96.2,	36	13.7,	333.6,	101.5,	20.6,	-86.1,

SOURCE ID: TTP12

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	6.3,	-70.5,	2	13.7,	340.1,	204.2,	-8.3,	-55.0,
3	13.7,	328.4,	248.8,	-22.7,	-37.8,	4	13.7,	306.8,	285.7,	-36.3,	-19.5,
5	13.7,	275.8,	314.0,	-48.9,	-0.6,	6	13.7,	236.4,	332.7,	-60.0,	18.3,
7	13.7,	189.9,	341.3,	-69.3,	36.6,	8	13.7,	138.4,	339.6,	-76.5,	54.2,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-100.2,	83.4,
11	13.7,	204.2,	340.1,	-115.0,	93.8,	12	13.7,	248.8,	328.4,	-126.4,	101.7,
13	13.7,	285.7,	306.8,	-133.8,	106.5,	14	13.7,	314.0,	275.8,	-137.2,	108.1,
15	13.7,	332.7,	236.4,	-136.5,	106.3,	16	13.7,	341.3,	189.9,	-131.6,	101.4,
17	13.7,	339.6,	138.4,	-123.4,	93.3,	18	13.7,	333.6,	101.5,	-122.2,	83.2,
19	13.7,	341.4,	154.2,	-160.5,	70.5,	20	13.7,	340.1,	204.2,	-196.0,	55.0,
21	13.7,	328.4,	248.8,	-226.1,	37.8,	22	13.7,	306.8,	285.7,	-249.4,	19.5,
23	13.7,	275.8,	314.0,	-265.0,	0.6,	24	13.7,	236.4,	332.7,	-272.7,	-18.3,
25	13.7,	189.9,	341.3,	-272.0,	-36.6,	26	13.7,	138.4,	339.6,	-263.1,	-54.2,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-241.2,	-83.4,
29	13.7,	204.2,	340.1,	-225.0,	-93.8,	30	13.7,	248.8,	328.4,	-202.0,	-101.7,
31	13.7,	285.7,	306.8,	-172.9,	-106.5,	32	13.7,	314.0,	275.8,	-138.5,	-108.1,
33	13.7,	332.7,	236.4,	-99.9,	-106.3,	34	13.7,	341.3,	189.9,	-58.3,	-101.4,
35	13.7,	339.6,	138.4,	-14.9,	-93.3,	36	13.7,	333.6,	101.5,	20.8,	-83.2,

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\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: TTP13

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	5.6,	-67.2,	2	13.7,	340.1,	204.2,	-9.5,	-51.9,
3	13.7,	328.4,	248.8,	-24.4,	-35.0,	4	13.7,	306.8,	285.7,	-38.6,	-17.1,
5	13.7,	275.8,	314.0,	-51.5,	1.4,	6	13.7,	236.4,	332.7,	-62.9,	19.8,
7	13.7,	189.9,	341.3,	-72.4,	37.6,	8	13.7,	138.4,	339.6,	-79.7,	54.7,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-103.5,	82.7,
11	13.7,	204.2,	340.1,	-118.1,	92.6,	12	13.7,	248.8,	328.4,	-129.2,	100.0,
13	13.7,	285.7,	306.8,	-136.3,	104.3,	14	13.7,	314.0,	275.8,	-139.3,	105.5,
15	13.7,	332.7,	236.4,	-138.0,	103.4,	16	13.7,	341.3,	189.9,	-132.6,	98.2,
17	13.7,	339.6,	138.4,	-123.9,	90.1,	18	13.7,	333.6,	101.5,	-122.1,	79.9,
19	13.7,	341.4,	154.2,	-159.8,	67.2,	20	13.7,	340.1,	204.2,	-194.7,	51.9,
21	13.7,	328.4,	248.8,	-224.3,	35.0,	22	13.7,	306.8,	285.7,	-247.2,	17.1,
23	13.7,	275.8,	314.0,	-262.4,	-1.4,	24	13.7,	236.4,	332.7,	-269.8,	-19.8,
25	13.7,	189.9,	341.3,	-268.9,	-37.6,	26	13.7,	138.4,	339.6,	-259.9,	-54.7,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-237.9,	-82.7,
29	13.7,	204.2,	340.1,	-222.0,	-92.6,	30	13.7,	248.8,	328.4,	-199.2,	-100.0,
31	13.7,	285.7,	306.8,	-170.5,	-104.3,	32	13.7,	314.0,	275.8,	-136.5,	-105.5,
33	13.7,	332.7,	236.4,	-98.4,	-103.4,	34	13.7,	341.3,	189.9,	-57.3,	-98.2,
35	13.7,	339.6,	138.4,	-14.5,	-90.1,	36	13.7,	333.6,	101.5,	20.6,	-79.9,

SOURCE ID: TTP14

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	5.0,	-64.4,	2	13.7,	340.1,	204.2,	-10.6,	-49.2,
3	13.7,	328.4,	248.8,	-26.0,	-32.6,	4	13.7,	306.8,	285.7,	-40.5,	-14.9,
5	13.7,	275.8,	314.0,	-53.8,	3.2,	6	13.7,	236.4,	332.7,	-65.5,	21.2,
7	13.7,	189.9,	341.3,	-75.2,	38.5,	8	13.7,	138.4,	339.6,	-82.6,	55.1,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-106.3,	82.1,
11	13.7,	204.2,	340.1,	-120.8,	91.5,	12	13.7,	248.8,	328.4,	-131.6,	98.4,
13	13.7,	285.7,	306.8,	-138.4,	102.3,	14	13.7,	314.0,	275.8,	-141.1,	103.1,
15	13.7,	332.7,	236.4,	-139.4,	100.8,	16	13.7,	341.3,	189.9,	-133.5,	95.5,
17	13.7,	339.6,	138.4,	-124.3,	87.2,	18	13.7,	333.6,	101.5,	-122.0,	77.0,
19	13.7,	341.4,	154.2,	-159.2,	64.4,	20	13.7,	340.1,	204.2,	-193.6,	49.2,
21	13.7,	328.4,	248.8,	-222.8,	32.6,	22	13.7,	306.8,	285.7,	-245.2,	14.9,
23	13.7,	275.8,	314.0,	-260.1,	-3.2,	24	13.7,	236.4,	332.7,	-267.2,	-21.2,
25	13.7,	189.9,	341.3,	-266.1,	-38.5,	26	13.7,	138.4,	339.6,	-256.9,	-55.1,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-235.1,	-82.1,
29	13.7,	204.2,	340.1,	-219.3,	-91.5,	30	13.7,	248.8,	328.4,	-196.8,	-98.4,
31	13.7,	285.7,	306.8,	-168.3,	-102.3,	32	13.7,	314.0,	275.8,	-134.7,	-103.1,
33	13.7,	332.7,	236.4,	-97.0,	-100.8,	34	13.7,	341.3,	189.9,	-56.4,	-95.5,
35	13.7,	339.6,	138.4,	-14.1,	-87.2,	36	13.7,	333.6,	101.5,	20.5,	-77.0,

SOURCE ID: TTP15

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	4.5,	-61.4,	2	13.7,	340.1,	204.2,	-11.7,	-46.4,
3	13.7,	328.4,	248.8,	-27.5,	-29.9,	4	13.7,	306.8,	285.7,	-42.5,	-12.6,
5	13.7,	275.8,	314.0,	-56.2,	5.1,	6	13.7,	236.4,	332.7,	-68.2,	22.7,
7	13.7,	189.9,	341.3,	-78.1,	39.6,	8	13.7,	138.4,	339.6,	-85.6,	55.6,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-109.3,	81.6,
11	13.7,	204.2,	340.1,	-123.7,	90.4,	12	13.7,	248.8,	328.4,	-134.3,	96.9,
13	13.7,	285.7,	306.8,	-140.8,	100.4,	14	13.7,	314.0,	275.8,	-143.0,	100.8,
15	13.7,	332.7,	236.4,	-140.9,	98.2,	16	13.7,	341.3,	189.9,	-134.5,	92.6,
17	13.7,	339.6,	138.4,	-124.8,	84.2,	18	13.7,	333.6,	101.5,	-122.0,	73.9,
19	13.7,	341.4,	154.2,	-158.6,	61.4,	20	13.7,	340.1,	204.2,	-192.6,	46.4,
21	13.7,	328.4,	248.8,	-221.2,	29.9,	22	13.7,	306.8,	285.7,	-243.2,	12.6,
23	13.7,	275.8,	314.0,	-257.8,	-5.1,	24	13.7,	236.4,	332.7,	-264.5,	-22.7,
25	13.7,	189.9,	341.3,	-263.2,	-39.6,	26	13.7,	138.4,	339.6,	-254.0,	-55.6,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-232.1,	-81.6,
29	13.7,	204.2,	340.1,	-216.4,	-90.4,	30	13.7,	248.8,	328.4,	-194.1,	-96.9,

31	13.7,	285.7,	306.8,	-166.0,	-100.4,	32	13.7,	314.0,	275.8,	-132.8,	-100.8,
33	13.7,	332.7,	236.4,	-95.5,	-98.2,	34	13.7,	341.3,	189.9,	-55.4,	-92.6,
35	13.7,	339.6,	138.4,	-13.6,	-84.2,	36	13.7,	333.6,	101.5,	20.5,	-73.9,

SOURCE ID: TTP16

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	3.7,	-58.3,	2	13.7,	340.1,	204.2,	-13.0,	-43.5,
3	13.7,	328.4,	248.8,	-29.3,	-27.3,	4	13.7,	306.8,	285.7,	-44.7,	-10.3,
5	13.7,	275.8,	314.0,	-58.8,	7.0,	6	13.7,	236.4,	332.7,	-71.0,	24.1,
7	13.7,	189.9,	341.3,	-81.1,	40.4,	8	13.7,	138.4,	339.6,	-88.8,	55.9,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-112.4,	80.8,
11	13.7,	204.2,	340.1,	-126.6,	89.1,	12	13.7,	248.8,	328.4,	-136.9,	95.1,
13	13.7,	285.7,	306.8,	-143.1,	98.1,	14	13.7,	314.0,	275.8,	-144.9,	98.2,
15	13.7,	332.7,	236.4,	-142.3,	95.3,	16	13.7,	341.3,	189.9,	-135.4,	89.5,
17	13.7,	339.6,	138.4,	-125.1,	81.0,	18	13.7,	333.6,	101.5,	-121.7,	70.8,
19	13.7,	341.4,	154.2,	-157.9,	58.3,	20	13.7,	340.1,	204.2,	-191.2,	43.5,
21	13.7,	328.4,	248.8,	-219.5,	27.3,	22	13.7,	306.8,	285.7,	-241.0,	10.3,
23	13.7,	275.8,	314.0,	-255.2,	-7.0,	24	13.7,	236.4,	332.7,	-261.7,	-24.1,
25	13.7,	189.9,	341.3,	-260.2,	-40.4,	26	13.7,	138.4,	339.6,	-250.8,	-55.9,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-229.0,	-80.8,
29	13.7,	204.2,	340.1,	-213.5,	-89.1,	30	13.7,	248.8,	328.4,	-191.5,	-95.1,
31	13.7,	285.7,	306.8,	-163.7,	-98.1,	32	13.7,	314.0,	275.8,	-130.9,	-98.2,
33	13.7,	332.7,	236.4,	-94.1,	-95.3,	34	13.7,	341.3,	189.9,	-54.5,	-89.5,
35	13.7,	339.6,	138.4,	-13.2,	-81.0,	36	13.7,	333.6,	101.5,	20.3,	-70.8,

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\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: TTP17

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	3.0,	-55.3,	2	13.7,	340.1,	204.2,	-14.2,	-40.6,
3	13.7,	328.4,	248.8,	-30.9,	-24.7,	4	13.7,	306.8,	285.7,	-46.8,	-8.1,
5	13.7,	275.8,	314.0,	-61.2,	8.8,	6	13.7,	236.4,	332.7,	-73.7,	25.5,
7	13.7,	189.9,	341.3,	-84.0,	41.3,	8	13.7,	138.4,	339.6,	-91.8,	56.3,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-115.4,	80.1,
11	13.7,	204.2,	340.1,	-129.4,	88.0,	12	13.7,	248.8,	328.4,	-139.5,	93.5,
13	13.7,	285.7,	306.8,	-145.3,	96.1,	14	13.7,	314.0,	275.8,	-146.7,	95.8,
15	13.7,	332.7,	236.4,	-143.7,	92.6,	16	13.7,	341.3,	189.9,	-136.3,	86.6,
17	13.7,	339.6,	138.4,	-125.5,	78.0,	18	13.7,	333.6,	101.5,	-121.6,	67.7,
19	13.7,	341.4,	154.2,	-157.2,	55.3,	20	13.7,	340.1,	204.2,	-190.1,	40.6,
21	13.7,	328.4,	248.8,	-217.8,	24.7,	22	13.7,	306.8,	285.7,	-239.0,	8.1,
23	13.7,	275.8,	314.0,	-252.8,	-8.8,	24	13.7,	236.4,	332.7,	-259.0,	-25.5,
25	13.7,	189.9,	341.3,	-257.3,	-41.3,	26	13.7,	138.4,	339.6,	-247.8,	-56.3,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-226.0,	-80.1,
29	13.7,	204.2,	340.1,	-210.7,	-88.0,	30	13.7,	248.8,	328.4,	-188.9,	-93.5,
31	13.7,	285.7,	306.8,	-161.4,	-96.1,	32	13.7,	314.0,	275.8,	-129.1,	-95.8,
33	13.7,	332.7,	236.4,	-92.7,	-92.6,	34	13.7,	341.3,	189.9,	-53.6,	-86.6,
35	13.7,	339.6,	138.4,	-12.8,	-78.0,	36	13.7,	333.6,	101.5,	20.2,	-67.7,

SOURCE ID: TTP18

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	2.7,	-52.4,	2	13.7,	340.1,	204.2,	-15.0,	-37.9,
3	13.7,	328.4,	248.8,	-32.3,	-22.1,	4	13.7,	306.8,	285.7,	-48.5,	-5.8,
5	13.7,	275.8,	314.0,	-63.3,	10.8,	6	13.7,	236.4,	332.7,	-76.2,	27.1,
7	13.7,	189.9,	341.3,	-86.7,	42.5,	8	13.7,	138.4,	339.6,	-94.6,	57.0,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-118.3,	79.7,

11	13.7,	204.2,	340.1,	-132.2,	87.1,	12	13.7,	248.8,	328.4,	-142.1,	92.1,
13	13.7,	285.7,	306.8,	-147.6,	94.3,	14	13.7,	314.0,	275.8,	-148.7,	93.7,
15	13.7,	332.7,	236.4,	-145.3,	90.2,	16	13.7,	341.3,	189.9,	-137.4,	83.9,
17	13.7,	339.6,	138.4,	-126.1,	75.1,	18	13.7,	333.6,	101.5,	-121.7,	64.8,
19	13.7,	341.4,	154.2,	-156.8,	52.4,	20	13.7,	340.1,	204.2,	-189.2,	37.9,
21	13.7,	328.4,	248.8,	-216.5,	22.1,	22	13.7,	306.8,	285.7,	-237.2,	5.8,
23	13.7,	275.8,	314.0,	-250.6,	-10.8,	24	13.7,	236.4,	332.7,	-256.5,	-27.1,
25	13.7,	189.9,	341.3,	-254.6,	-42.5,	26	13.7,	138.4,	339.6,	-244.9,	-57.0,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-223.1,	-79.7,
29	13.7,	204.2,	340.1,	-207.9,	-87.1,	30	13.7,	248.8,	328.4,	-186.3,	-92.1,
31	13.7,	285.7,	306.8,	-159.1,	-94.3,	32	13.7,	314.0,	275.8,	-127.1,	-93.7,
33	13.7,	332.7,	236.4,	-91.2,	-90.2,	34	13.7,	341.3,	189.9,	-52.5,	-83.9,
35	13.7,	339.6,	138.4,	-12.2,	-75.1,	36	13.7,	333.6,	101.5,	20.3,	-64.8,

SOURCE ID: TTP19

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	1.9,	-49.2,	2	13.7,	340.1,	204.2,	-16.4,	-34.9,
3	13.7,	328.4,	248.8,	-34.1,	-19.4,	4	13.7,	306.8,	285.7,	-50.8,	-3.4,
5	13.7,	275.8,	314.0,	-66.0,	12.7,	6	13.7,	236.4,	332.7,	-79.2,	28.5,
7	13.7,	189.9,	341.3,	-89.9,	43.3,	8	13.7,	138.4,	339.6,	-97.9,	57.3,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-121.5,	78.9,
11	13.7,	204.2,	340.1,	-135.2,	85.7,	12	13.7,	248.8,	328.4,	-144.8,	90.2,
13	13.7,	285.7,	306.8,	-150.0,	92.0,	14	13.7,	314.0,	275.8,	-150.6,	91.0,
15	13.7,	332.7,	236.4,	-146.7,	87.2,	16	13.7,	341.3,	189.9,	-138.3,	80.8,
17	13.7,	339.6,	138.4,	-126.5,	71.8,	18	13.7,	333.6,	101.5,	-121.5,	61.5,
19	13.7,	341.4,	154.2,	-156.0,	49.2,	20	13.7,	340.1,	204.2,	-187.9,	34.9,
21	13.7,	328.4,	248.8,	-214.6,	19.4,	22	13.7,	306.8,	285.7,	-234.9,	3.4,
23	13.7,	275.8,	314.0,	-248.0,	-12.7,	24	13.7,	236.4,	332.7,	-253.5,	-28.5,
25	13.7,	189.9,	341.3,	-251.4,	-43.3,	26	13.7,	138.4,	339.6,	-241.6,	-57.3,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-219.9,	-78.9,
29	13.7,	204.2,	340.1,	-204.9,	-85.7,	30	13.7,	248.8,	328.4,	-183.6,	-90.2,
31	13.7,	285.7,	306.8,	-156.8,	-92.0,	32	13.7,	314.0,	275.8,	-125.1,	-91.0,
33	13.7,	332.7,	236.4,	-89.7,	-87.2,	34	13.7,	341.3,	189.9,	-51.6,	-80.8,
35	13.7,	339.6,	138.4,	-11.9,	-71.8,	36	13.7,	333.6,	101.5,	20.0,	-61.5,

SOURCE ID: TTP20

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	1.2,	-46.4,	2	13.7,	340.1,	204.2,	-17.5,	-32.1,
3	13.7,	328.4,	248.8,	-35.7,	-16.9,	4	13.7,	306.8,	285.7,	-52.8,	-1.2,
5	13.7,	275.8,	314.0,	-68.3,	14.5,	6	13.7,	236.4,	332.7,	-81.8,	29.8,
7	13.7,	189.9,	341.3,	-92.7,	44.2,	8	13.7,	138.4,	339.6,	-100.8,	57.7,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-124.3,	78.3,
11	13.7,	204.2,	340.1,	-137.9,	84.6,	12	13.7,	248.8,	328.4,	-147.2,	88.7,
13	13.7,	285.7,	306.8,	-152.1,	90.0,	14	13.7,	314.0,	275.8,	-152.4,	88.7,
15	13.7,	332.7,	236.4,	-148.1,	84.6,	16	13.7,	341.3,	189.9,	-139.2,	78.0,
17	13.7,	339.6,	138.4,	-126.9,	69.0,	18	13.7,	333.6,	101.5,	-121.4,	58.6,
19	13.7,	341.4,	154.2,	-155.4,	46.4,	20	13.7,	340.1,	204.2,	-186.7,	32.1,
21	13.7,	328.4,	248.8,	-213.1,	16.9,	22	13.7,	306.8,	285.7,	-232.9,	1.2,
23	13.7,	275.8,	314.0,	-245.7,	-14.5,	24	13.7,	236.4,	332.7,	-251.0,	-29.8,
25	13.7,	189.9,	341.3,	-248.6,	-44.2,	26	13.7,	138.4,	339.6,	-238.7,	-57.7,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-217.1,	-78.3,
29	13.7,	204.2,	340.1,	-202.2,	-84.6,	30	13.7,	248.8,	328.4,	-181.2,	-88.7,
31	13.7,	285.7,	306.8,	-154.6,	-90.0,	32	13.7,	314.0,	275.8,	-123.4,	-88.7,
33	13.7,	332.7,	236.4,	-88.4,	-84.6,	34	13.7,	341.3,	189.9,	-50.7,	-78.0,
35	13.7,	339.6,	138.4,	-11.5,	-69.0,	36	13.7,	333.6,	101.5,	19.9,	-58.6,

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\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: TTP21

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	0.7,	-43.4,	2	13.7,	340.1,	204.2,	-18.6,	-29.3,
3	13.7,	328.4,	248.8,	-37.2,	-14.3,	4	13.7,	306.8,	285.7,	-54.8,	1.1,
5	13.7,	275.8,	314.0,	-70.6,	16.5,	6	13.7,	236.4,	332.7,	-84.4,	31.4,
7	13.7,	189.9,	341.3,	-95.6,	45.3,	8	13.7,	138.4,	339.6,	-103.8,	58.2,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-127.3,	77.8,
11	13.7,	204.2,	340.1,	-140.8,	83.6,	12	13.7,	248.8,	328.4,	-149.9,	87.1,
13	13.7,	285.7,	306.8,	-154.5,	88.1,	14	13.7,	314.0,	275.8,	-154.4,	86.3,
15	13.7,	332.7,	236.4,	-149.6,	82.0,	16	13.7,	341.3,	189.9,	-140.2,	75.1,
17	13.7,	339.6,	138.4,	-127.4,	66.0,	18	13.7,	333.6,	101.5,	-121.4,	55.5,
19	13.7,	341.4,	154.2,	-154.9,	43.4,	20	13.7,	340.1,	204.2,	-185.7,	29.3,
21	13.7,	328.4,	248.8,	-211.5,	14.3,	22	13.7,	306.8,	285.7,	-230.9,	-1.1,
23	13.7,	275.8,	314.0,	-243.3,	-16.5,	24	13.7,	236.4,	332.7,	-248.3,	-31.4,
25	13.7,	189.9,	341.3,	-245.8,	-45.3,	26	13.7,	138.4,	339.6,	-235.7,	-58.2,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-214.1,	-77.8,
29	13.7,	204.2,	340.1,	-199.3,	-83.6,	30	13.7,	248.8,	328.4,	-178.5,	-87.1,
31	13.7,	285.7,	306.8,	-152.3,	-88.1,	32	13.7,	314.0,	275.8,	-121.4,	-86.3,
33	13.7,	332.7,	236.4,	-86.9,	-82.0,	34	13.7,	341.3,	189.9,	-49.7,	-75.1,
35	13.7,	339.6,	138.4,	-11.0,	-66.0,	36	13.7,	333.6,	101.5,	19.9,	-55.5,

SOURCE ID: TTP22

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-0.1,	-40.3,	2	13.7,	340.1,	204.2,	-19.9,	-26.4,
3	13.7,	328.4,	248.8,	-39.0,	-11.7,	4	13.7,	306.8,	285.7,	-57.0,	3.4,
5	13.7,	275.8,	314.0,	-73.2,	18.3,	6	13.7,	236.4,	332.7,	-87.2,	32.7,
7	13.7,	189.9,	341.3,	-98.6,	46.1,	8	13.7,	138.4,	339.6,	-107.0,	58.5,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-130.4,	77.0,
11	13.7,	204.2,	340.1,	-143.6,	82.3,	12	13.7,	248.8,	328.4,	-152.5,	85.4,
13	13.7,	285.7,	306.8,	-156.7,	85.9,	14	13.7,	314.0,	275.8,	-156.2,	83.8,
15	13.7,	332.7,	236.4,	-150.9,	79.1,	16	13.7,	341.3,	189.9,	-141.1,	72.0,
17	13.7,	339.6,	138.4,	-127.7,	62.8,	18	13.7,	333.6,	101.5,	-121.1,	52.4,
19	13.7,	341.4,	154.2,	-154.1,	40.3,	20	13.7,	340.1,	204.2,	-184.4,	26.4,
21	13.7,	328.4,	248.8,	-209.7,	11.7,	22	13.7,	306.8,	285.7,	-228.7,	-3.4,
23	13.7,	275.8,	314.0,	-240.7,	-18.3,	24	13.7,	236.4,	332.7,	-245.5,	-32.7,
25	13.7,	189.9,	341.3,	-242.7,	-46.1,	26	13.7,	138.4,	339.6,	-232.6,	-58.5,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-211.0,	-77.0,
29	13.7,	204.2,	340.1,	-196.4,	-82.3,	30	13.7,	248.8,	328.4,	-175.9,	-85.4,
31	13.7,	285.7,	306.8,	-150.0,	-85.9,	32	13.7,	314.0,	275.8,	-119.6,	-83.8,
33	13.7,	332.7,	236.4,	-85.5,	-79.1,	34	13.7,	341.3,	189.9,	-48.8,	-72.0,
35	13.7,	339.6,	138.4,	-10.7,	-62.8,	36	13.7,	333.6,	101.5,	19.7,	-52.4,

SOURCE ID: TTP23

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-0.7,	-37.3,	2	13.7,	340.1,	204.2,	-21.0,	-23.6,
3	13.7,	328.4,	248.8,	-40.6,	-9.1,	4	13.7,	306.8,	285.7,	-59.0,	5.6,
5	13.7,	275.8,	314.0,	-75.6,	20.2,	6	13.7,	236.4,	332.7,	-90.0,	34.1,
7	13.7,	189.9,	341.3,	-101.5,	47.1,	8	13.7,	138.4,	339.6,	-110.0,	58.9,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-133.4,	76.3,
11	13.7,	204.2,	340.1,	-146.5,	81.1,	12	13.7,	248.8,	328.4,	-155.1,	83.7,
13	13.7,	285.7,	306.8,	-159.0,	83.8,	14	13.7,	314.0,	275.8,	-158.1,	81.3,
15	13.7,	332.7,	236.4,	-152.4,	76.4,	16	13.7,	341.3,	189.9,	-142.0,	69.1,
17	13.7,	339.6,	138.4,	-128.1,	59.8,	18	13.7,	333.6,	101.5,	-121.0,	49.3,
19	13.7,	341.4,	154.2,	-153.4,	37.3,	20	13.7,	340.1,	204.2,	-183.2,	23.6,
21	13.7,	328.4,	248.8,	-208.1,	9.1,	22	13.7,	306.8,	285.7,	-226.7,	-5.6,
23	13.7,	275.8,	314.0,	-238.3,	-20.2,	24	13.7,	236.4,	332.7,	-242.8,	-34.1,
25	13.7,	189.9,	341.3,	-239.8,	-47.1,	26	13.7,	138.4,	339.6,	-229.6,	-58.9,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-208.0,	-76.3,
29	13.7,	204.2,	340.1,	-193.6,	-81.1,	30	13.7,	248.8,	328.4,	-173.3,	-83.7,
31	13.7,	285.7,	306.8,	-147.8,	-83.8,	32	13.7,	314.0,	275.8,	-117.7,	-81.3,
33	13.7,	332.7,	236.4,	-84.1,	-76.4,	34	13.7,	341.3,	189.9,	-47.9,	-69.1,

35 13.7, 339.6, 138.4, -10.2, -59.8, 36 13.7, 333.6, 101.5, 19.6, -49.3,

SOURCE ID: TTP24

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-1.1,	-34.4,	2	13.7,	340.1,	204.2,	-21.9,	-20.8,
3	13.7,	328.4,	248.8,	-42.0,	-6.5,	4	13.7,	306.8,	285.7,	-60.8,	7.9,
5	13.7,	275.8,	314.0,	-77.8,	22.2,	6	13.7,	236.4,	332.7,	-92.4,	35.7,
7	13.7,	189.9,	341.3,	-104.2,	48.2,	8	13.7,	138.4,	339.6,	-112.9,	59.6,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-136.3,	76.0,
11	13.7,	204.2,	340.1,	-149.2,	80.2,	12	13.7,	248.8,	328.4,	-157.7,	82.4,
13	13.7,	285.7,	306.8,	-161.3,	82.0,	14	13.7,	314.0,	275.8,	-160.1,	79.2,
15	13.7,	332.7,	236.4,	-153.9,	73.9,	16	13.7,	341.3,	189.9,	-143.1,	66.4,
17	13.7,	339.6,	138.4,	-128.7,	56.9,	18	13.7,	333.6,	101.5,	-121.1,	46.4,
19	13.7,	341.4,	154.2,	-153.0,	34.4,	20	13.7,	340.1,	204.2,	-182.4,	20.8,
21	13.7,	328.4,	248.8,	-206.8,	6.5,	22	13.7,	306.8,	285.7,	-224.9,	-7.9,
23	13.7,	275.8,	314.0,	-236.2,	-22.2,	24	13.7,	236.4,	332.7,	-240.3,	-35.7,
25	13.7,	189.9,	341.3,	-237.1,	-48.2,	26	13.7,	138.4,	339.6,	-226.7,	-59.6,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-205.1,	-76.0,
29	13.7,	204.2,	340.1,	-190.8,	-80.2,	30	13.7,	248.8,	328.4,	-170.7,	-82.4,
31	13.7,	285.7,	306.8,	-145.4,	-82.0,	32	13.7,	314.0,	275.8,	-115.7,	-79.2,
33	13.7,	332.7,	236.4,	-82.5,	-73.9,	34	13.7,	341.3,	189.9,	-46.8,	-66.4,
35	13.7,	339.6,	138.4,	-9.6,	-56.9,	36	13.7,	333.6,	101.5,	19.7,	-46.4,

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\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: TTP25

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-1.7,	-31.7,	2	13.7,	340.1,	204.2,	-23.0,	-18.2,
3	13.7,	328.4,	248.8,	-43.5,	-4.2,	4	13.7,	306.8,	285.7,	-62.7,	10.0,
5	13.7,	275.8,	314.0,	-80.0,	23.9,	6	13.7,	236.4,	332.7,	-94.9,	37.0,
7	13.7,	189.9,	341.3,	-106.9,	49.0,	8	13.7,	138.4,	339.6,	-115.6,	59.9,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-139.0,	75.3,
11	13.7,	204.2,	340.1,	-151.8,	79.2,	12	13.7,	248.8,	328.4,	-160.0,	80.9,
13	13.7,	285.7,	306.8,	-163.4,	80.1,	14	13.7,	314.0,	275.8,	-161.8,	77.0,
15	13.7,	332.7,	236.4,	-155.2,	71.5,	16	13.7,	341.3,	189.9,	-144.0,	63.8,
17	13.7,	339.6,	138.4,	-129.1,	54.1,	18	13.7,	333.6,	101.5,	-121.0,	43.6,
19	13.7,	341.4,	154.2,	-152.4,	31.7,	20	13.7,	340.1,	204.2,	-181.3,	18.2,
21	13.7,	328.4,	248.8,	-205.2,	4.2,	22	13.7,	306.8,	285.7,	-223.0,	-10.0,
23	13.7,	275.8,	314.0,	-233.9,	-23.9,	24	13.7,	236.4,	332.7,	-237.8,	-37.0,
25	13.7,	189.9,	341.3,	-234.4,	-49.0,	26	13.7,	138.4,	339.6,	-223.9,	-59.9,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-202.4,	-75.3,
29	13.7,	204.2,	340.1,	-188.2,	-79.2,	30	13.7,	248.8,	328.4,	-168.4,	-80.9,
31	13.7,	285.7,	306.8,	-143.4,	-80.1,	32	13.7,	314.0,	275.8,	-114.0,	-77.0,
33	13.7,	332.7,	236.4,	-81.2,	-71.5,	34	13.7,	341.3,	189.9,	-45.9,	-63.8,
35	13.7,	339.6,	138.4,	-9.2,	-54.1,	36	13.7,	333.6,	101.5,	19.6,	-43.6,

SOURCE ID: TTP26

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-2.4,	-28.8,	2	13.7,	340.1,	204.2,	-24.1,	-15.5,
3	13.7,	328.4,	248.8,	-45.1,	-1.7,	4	13.7,	306.8,	285.7,	-64.7,	12.2,
5	13.7,	275.8,	314.0,	-82.3,	25.7,	6	13.7,	236.4,	332.7,	-97.5,	38.4,
7	13.7,	189.9,	341.3,	-109.7,	49.9,	8	13.7,	138.4,	339.6,	-118.5,	60.3,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-141.9,	74.7,
11	13.7,	204.2,	340.1,	-154.5,	78.0,	12	13.7,	248.8,	328.4,	-162.5,	79.3,
13	13.7,	285.7,	306.8,	-165.5,	78.2,	14	13.7,	314.0,	275.8,	-163.6,	74.6,

15	13.7,	332.7,	236.4,	-156.6,	68.9,	16	13.7,	341.3,	189.9,	-144.9,	61.0,
17	13.7,	339.6,	138.4,	-129.5,	51.2,	18	13.7,	333.6,	101.5,	-120.9,	40.7,
19	13.7,	341.4,	154.2,	-151.8,	28.8,	20	13.7,	340.1,	204.2,	-180.2,	15.5,
21	13.7,	328.4,	248.8,	-203.7,	1.7,	22	13.7,	306.8,	285.7,	-221.0,	-12.2,
23	13.7,	275.8,	314.0,	-231.6,	-25.7,	24	13.7,	236.4,	332.7,	-235.2,	-38.4,
25	13.7,	189.9,	341.3,	-231.6,	-49.9,	26	13.7,	138.4,	339.6,	-221.0,	-60.3,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-199.5,	-74.7,
29	13.7,	204.2,	340.1,	-185.5,	-78.0,	30	13.7,	248.8,	328.4,	-165.9,	-79.3,
31	13.7,	285.7,	306.8,	-141.2,	-78.2,	32	13.7,	314.0,	275.8,	-112.2,	-74.6,
33	13.7,	332.7,	236.4,	-79.8,	-68.9,	34	13.7,	341.3,	189.9,	-45.0,	-61.0,
35	13.7,	339.6,	138.4,	-8.9,	-51.2,	36	13.7,	333.6,	101.5,	19.4,	-40.7,

SOURCE ID: TTP27

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-2.9,	-25.8,	2	13.7,	340.1,	204.2,	-25.1,	-12.6,
3	13.7,	328.4,	248.8,	-46.6,	1.0,	4	13.7,	306.8,	285.7,	-66.6,	14.5,
5	13.7,	275.8,	314.0,	-84.7,	27.6,	6	13.7,	236.4,	332.7,	-100.1,	39.9,
7	13.7,	189.9,	341.3,	-112.5,	50.9,	8	13.7,	138.4,	339.6,	-121.5,	60.8,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-144.9,	74.2,
11	13.7,	204.2,	340.1,	-157.4,	77.0,	12	13.7,	248.8,	328.4,	-165.2,	77.8,
13	13.7,	285.7,	306.8,	-167.9,	76.2,	14	13.7,	314.0,	275.8,	-165.5,	72.3,
15	13.7,	332.7,	236.4,	-158.1,	66.2,	16	13.7,	341.3,	189.9,	-145.9,	58.1,
17	13.7,	339.6,	138.4,	-130.0,	48.2,	18	13.7,	333.6,	101.5,	-120.9,	37.6,
19	13.7,	341.4,	154.2,	-151.3,	25.8,	20	13.7,	340.1,	204.2,	-179.1,	12.6,
21	13.7,	328.4,	248.8,	-202.2,	-1.0,	22	13.7,	306.8,	285.7,	-219.1,	-14.5,
23	13.7,	275.8,	314.0,	-229.3,	-27.6,	24	13.7,	236.4,	332.7,	-232.6,	-39.9,
25	13.7,	189.9,	341.3,	-228.8,	-50.9,	26	13.7,	138.4,	339.6,	-218.0,	-60.8,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-196.5,	-74.2,
29	13.7,	204.2,	340.1,	-182.7,	-77.0,	30	13.7,	248.8,	328.4,	-163.2,	-77.8,
31	13.7,	285.7,	306.8,	-138.9,	-76.2,	32	13.7,	314.0,	275.8,	-110.3,	-72.3,
33	13.7,	332.7,	236.4,	-78.3,	-66.2,	34	13.7,	341.3,	189.9,	-44.0,	-58.1,
35	13.7,	339.6,	138.4,	-8.3,	-48.2,	36	13.7,	333.6,	101.5,	19.4,	-37.6,

SOURCE ID: TTP28

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-3.7,	-22.8,	2	13.7,	340.1,	204.2,	-26.4,	-9.8,
3	13.7,	328.4,	248.8,	-48.4,	3.6,	4	13.7,	306.8,	285.7,	-68.9,	16.8,
5	13.7,	275.8,	314.0,	-87.3,	29.5,	6	13.7,	236.4,	332.7,	-103.0,	41.3,
7	13.7,	189.9,	341.3,	-115.6,	51.8,	8	13.7,	138.4,	339.6,	-124.7,	61.1,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-147.9,	73.4,
11	13.7,	204.2,	340.1,	-160.3,	75.7,	12	13.7,	248.8,	328.4,	-167.8,	76.0,
13	13.7,	285.7,	306.8,	-170.1,	74.0,	14	13.7,	314.0,	275.8,	-167.4,	69.7,
15	13.7,	332.7,	236.4,	-159.5,	63.3,	16	13.7,	341.3,	189.9,	-146.8,	55.1,
17	13.7,	339.6,	138.4,	-130.3,	45.1,	18	13.7,	333.6,	101.5,	-120.6,	34.5,
19	13.7,	341.4,	154.2,	-150.5,	22.8,	20	13.7,	340.1,	204.2,	-177.8,	9.8,
21	13.7,	328.4,	248.8,	-200.4,	-3.6,	22	13.7,	306.8,	285.7,	-216.8,	-16.8,
23	13.7,	275.8,	314.0,	-226.7,	-29.5,	24	13.7,	236.4,	332.7,	-229.7,	-41.3,
25	13.7,	189.9,	341.3,	-225.7,	-51.8,	26	13.7,	138.4,	339.6,	-214.9,	-61.1,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-193.5,	-73.4,
29	13.7,	204.2,	340.1,	-179.8,	-75.7,	30	13.7,	248.8,	328.4,	-160.6,	-76.0,
31	13.7,	285.7,	306.8,	-136.6,	-74.0,	32	13.7,	314.0,	275.8,	-108.4,	-69.7,
33	13.7,	332.7,	236.4,	-77.0,	-63.3,	34	13.7,	341.3,	189.9,	-43.1,	-55.1,
35	13.7,	339.6,	138.4,	-8.0,	-45.1,	36	13.7,	333.6,	101.5,	19.2,	-34.5,

\*\*\* AERMOD - VERSION 23132 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\15639  
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\*\*\* AERMET - VERSION 21112 \*\*\*  
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## SOURCE ID: TTP29

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-4.3,	-19.8,	2	13.7,	340.1,	204.2,	-27.6,	-6.9,
3	13.7,	328.4,	248.8,	-50.0,	6.1,	4	13.7,	306.8,	285.7,	-70.9,	19.0,
5	13.7,	275.8,	314.0,	-89.7,	31.3,	6	13.7,	236.4,	332.7,	-105.7,	42.7,
7	13.7,	189.9,	341.3,	-118.5,	52.7,	8	13.7,	138.4,	339.6,	-127.7,	61.6,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-150.9,	72.7,
11	13.7,	204.2,	340.1,	-163.1,	74.5,	12	13.7,	248.8,	328.4,	-170.3,	74.4,
13	13.7,	285.7,	306.8,	-172.4,	71.9,	14	13.7,	314.0,	275.8,	-169.2,	67.3,
15	13.7,	332.7,	236.4,	-160.9,	60.6,	16	13.7,	341.3,	189.9,	-147.7,	52.1,
17	13.7,	339.6,	138.4,	-130.7,	42.1,	18	13.7,	333.6,	101.5,	-120.5,	31.4,
19	13.7,	341.4,	154.2,	-149.8,	19.8,	20	13.7,	340.1,	204.2,	-176.7,	6.9,
21	13.7,	328.4,	248.8,	-198.7,	-6.1,	22	13.7,	306.8,	285.7,	-214.8,	-19.0,
23	13.7,	275.8,	314.0,	-224.3,	-31.3,	24	13.7,	236.4,	332.7,	-227.0,	-42.7,
25	13.7,	189.9,	341.3,	-222.8,	-52.7,	26	13.7,	138.4,	339.6,	-211.8,	-61.6,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-190.5,	-72.7,
29	13.7,	204.2,	340.1,	-177.0,	-74.5,	30	13.7,	248.8,	328.4,	-158.1,	-74.4,
31	13.7,	285.7,	306.8,	-134.4,	-71.9,	32	13.7,	314.0,	275.8,	-106.6,	-67.3,
33	13.7,	332.7,	236.4,	-75.5,	-60.6,	34	13.7,	341.3,	189.9,	-42.2,	-52.1,
35	13.7,	339.6,	138.4,	-7.6,	-42.1,	36	13.7,	333.6,	101.5,	19.1,	-31.4,

## SOURCE ID: TTP30

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-4.7,	-16.9,	2	13.7,	340.1,	204.2,	-28.5,	-4.1,
3	13.7,	328.4,	248.8,	-51.4,	8.7,	4	13.7,	306.8,	285.7,	-72.7,	21.3,
5	13.7,	275.8,	314.0,	-91.8,	33.3,	6	13.7,	236.4,	332.7,	-108.2,	44.2,
7	13.7,	189.9,	341.3,	-121.2,	53.8,	8	13.7,	138.4,	339.6,	-130.6,	62.2,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-153.8,	72.4,
11	13.7,	204.2,	340.1,	-165.9,	73.6,	12	13.7,	248.8,	328.4,	-172.9,	73.0,
13	13.7,	285.7,	306.8,	-174.7,	70.1,	14	13.7,	314.0,	275.8,	-171.2,	65.1,
15	13.7,	332.7,	236.4,	-162.5,	58.2,	16	13.7,	341.3,	189.9,	-148.8,	49.4,
17	13.7,	339.6,	138.4,	-131.4,	39.2,	18	13.7,	333.6,	101.5,	-120.6,	28.5,
19	13.7,	341.4,	154.2,	-149.4,	16.9,	20	13.7,	340.1,	204.2,	-175.8,	4.1,
21	13.7,	328.4,	248.8,	-197.4,	-8.7,	22	13.7,	306.8,	285.7,	-213.0,	-21.3,
23	13.7,	275.8,	314.0,	-222.1,	-33.3,	24	13.7,	236.4,	332.7,	-224.5,	-44.2,
25	13.7,	189.9,	341.3,	-220.1,	-53.8,	26	13.7,	138.4,	339.6,	-209.0,	-62.2,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-187.6,	-72.4,
29	13.7,	204.2,	340.1,	-174.2,	-73.6,	30	13.7,	248.8,	328.4,	-155.5,	-73.0,
31	13.7,	285.7,	306.8,	-132.0,	-70.1,	32	13.7,	314.0,	275.8,	-104.6,	-65.1,
33	13.7,	332.7,	236.4,	-74.0,	-58.2,	34	13.7,	341.3,	189.9,	-41.1,	-49.4,
35	13.7,	339.6,	138.4,	-7.0,	-39.2,	36	13.7,	333.6,	101.5,	19.2,	-28.5,

## SOURCE ID: TTP31

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-5.2,	-13.6,	2	13.7,	340.1,	204.2,	-29.5,	-1.0,
3	13.7,	328.4,	248.8,	-52.9,	11.6,	4	13.7,	306.8,	285.7,	-74.7,	23.9,
5	13.7,	275.8,	314.0,	-94.3,	35.5,	6	13.7,	236.4,	332.7,	-111.0,	46.0,
7	13.7,	189.9,	341.3,	-124.3,	55.1,	8	13.7,	138.4,	339.6,	-133.8,	62.9,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-157.1,	71.9,
11	13.7,	204.2,	340.1,	-169.0,	72.6,	12	13.7,	248.8,	328.4,	-175.8,	71.5,
13	13.7,	285.7,	306.8,	-177.3,	68.1,	14	13.7,	314.0,	275.8,	-173.4,	62.7,
15	13.7,	332.7,	236.4,	-164.2,	55.4,	16	13.7,	341.3,	189.9,	-150.0,	46.4,
17	13.7,	339.6,	138.4,	-132.1,	36.0,	18	13.7,	333.6,	101.5,	-120.8,	25.2,
19	13.7,	341.4,	154.2,	-149.0,	13.6,	20	13.7,	340.1,	204.2,	-174.8,	1.0,
21	13.7,	328.4,	248.8,	-195.8,	-11.6,	22	13.7,	306.8,	285.7,	-211.0,	-23.9,
23	13.7,	275.8,	314.0,	-219.7,	-35.5,	24	13.7,	236.4,	332.7,	-221.7,	-46.0,
25	13.7,	189.9,	341.3,	-217.1,	-55.1,	26	13.7,	138.4,	339.6,	-205.8,	-62.9,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-184.3,	-71.9,
29	13.7,	204.2,	340.1,	-171.0,	-72.6,	30	13.7,	248.8,	328.4,	-152.6,	-71.5,
31	13.7,	285.7,	306.8,	-129.4,	-68.1,	32	13.7,	314.0,	275.8,	-102.4,	-62.7,
33	13.7,	332.7,	236.4,	-72.2,	-55.4,	34	13.7,	341.3,	189.9,	-39.9,	-46.4,
35	13.7,	339.6,	138.4,	-6.3,	-36.0,	36	13.7,	333.6,	101.5,	19.3,	-25.2,



SOURCE ID: TTP32

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-5.8,	-10.8,	2	13.7,	340.1,	204.2,	-30.6,	1.7,
3	13.7,	328.4,	248.8,	-54.5,	14.1,	4	13.7,	306.8,	285.7,	-76.7,	26.1,
5	13.7,	275.8,	314.0,	-96.6,	37.3,	6	13.7,	236.4,	332.7,	-113.5,	47.3,
7	13.7,	189.9,	341.3,	-127.0,	56.0,	8	13.7,	138.4,	339.6,	-136.7,	63.3,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-159.9,	71.3,
11	13.7,	204.2,	340.1,	-171.7,	71.5,	12	13.7,	248.8,	328.4,	-178.3,	69.9,
13	13.7,	285.7,	306.8,	-179.5,	66.1,	14	13.7,	314.0,	275.8,	-175.2,	60.4,
15	13.7,	332.7,	236.4,	-165.6,	52.8,	16	13.7,	341.3,	189.9,	-150.9,	43.6,
17	13.7,	339.6,	138.4,	-132.4,	33.1,	18	13.7,	333.6,	101.5,	-120.6,	22.3,
19	13.7,	341.4,	154.2,	-148.4,	10.8,	20	13.7,	340.1,	204.2,	-173.6,	-1.7,
21	13.7,	328.4,	248.8,	-194.3,	-14.1,	22	13.7,	306.8,	285.7,	-209.0,	-26.1,
23	13.7,	275.8,	314.0,	-217.4,	-37.3,	24	13.7,	236.4,	332.7,	-219.2,	-47.3,
25	13.7,	189.9,	341.3,	-214.3,	-56.0,	26	13.7,	138.4,	339.6,	-202.9,	-63.3,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-181.5,	-71.3,
29	13.7,	204.2,	340.1,	-168.3,	-71.5,	30	13.7,	248.8,	328.4,	-150.1,	-69.9,
31	13.7,	285.7,	306.8,	-127.3,	-66.1,	32	13.7,	314.0,	275.8,	-100.6,	-60.4,
33	13.7,	332.7,	236.4,	-70.9,	-52.8,	34	13.7,	341.3,	189.9,	-39.0,	-43.6,
35	13.7,	339.6,	138.4,	-5.9,	-33.1,	36	13.7,	333.6,	101.5,	19.2,	-22.3,

\*\*\* AERMOD - VERSION 23132 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\15639  
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\*\*\* AERMET - VERSION 21112 \*\*\*  
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\*\*\* MODELOPTs: RegDFault CONC ELEV URBAN ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: TTP33

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-6.3,	-7.8,	2	13.7,	340.1,	204.2,	-31.7,	4.6,
3	13.7,	328.4,	248.8,	-56.0,	16.8,	4	13.7,	306.8,	285.7,	-78.7,	28.4,
5	13.7,	275.8,	314.0,	-98.9,	39.2,	6	13.7,	236.4,	332.7,	-116.2,	48.9,
7	13.7,	189.9,	341.3,	-129.9,	57.0,	8	13.7,	138.4,	339.6,	-139.7,	63.8,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-162.9,	70.8,
11	13.7,	204.2,	340.1,	-174.6,	70.5,	12	13.7,	248.8,	328.4,	-181.0,	68.4,
13	13.7,	285.7,	306.8,	-181.8,	64.2,	14	13.7,	314.0,	275.8,	-177.1,	58.1,
15	13.7,	332.7,	236.4,	-167.1,	50.2,	16	13.7,	341.3,	189.9,	-152.0,	40.7,
17	13.7,	339.6,	138.4,	-133.0,	30.1,	18	13.7,	333.6,	101.5,	-120.6,	19.2,
19	13.7,	341.4,	154.2,	-147.8,	7.8,	20	13.7,	340.1,	204.2,	-172.6,	-4.6,
21	13.7,	328.4,	248.8,	-192.8,	-16.8,	22	13.7,	306.8,	285.7,	-207.0,	-28.4,
23	13.7,	275.8,	314.0,	-215.0,	-39.2,	24	13.7,	236.4,	332.7,	-216.5,	-48.9,
25	13.7,	189.9,	341.3,	-211.4,	-57.0,	26	13.7,	138.4,	339.6,	-199.9,	-63.8,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-178.5,	-70.8,
29	13.7,	204.2,	340.1,	-165.5,	-70.5,	30	13.7,	248.8,	328.4,	-147.5,	-68.4,
31	13.7,	285.7,	306.8,	-124.9,	-64.2,	32	13.7,	314.0,	275.8,	-98.6,	-58.1,
33	13.7,	332.7,	236.4,	-69.3,	-50.2,	34	13.7,	341.3,	189.9,	-37.9,	-40.7,
35	13.7,	339.6,	138.4,	-5.4,	-30.1,	36	13.7,	333.6,	101.5,	19.2,	-19.2,

SOURCE ID: TTP34

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-7.1,	-4.7,	2	13.7,	340.1,	204.2,	-32.9,	7.5,
3	13.7,	328.4,	248.8,	-57.8,	19.4,	4	13.7,	306.8,	285.7,	-80.9,	30.7,
5	13.7,	275.8,	314.0,	-101.5,	41.1,	6	13.7,	236.4,	332.7,	-119.0,	50.2,
7	13.7,	189.9,	341.3,	-133.0,	57.9,	8	13.7,	138.4,	339.6,	-142.9,	64.1,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-166.0,	70.0,
11	13.7,	204.2,	340.1,	-177.5,	69.2,	12	13.7,	248.8,	328.4,	-183.6,	66.6,
13	13.7,	285.7,	306.8,	-184.1,	62.0,	14	13.7,	314.0,	275.8,	-179.0,	55.5,
15	13.7,	332.7,	236.4,	-168.5,	47.3,	16	13.7,	341.3,	189.9,	-152.8,	37.7,
17	13.7,	339.6,	138.4,	-133.3,	26.9,	18	13.7,	333.6,	101.5,	-120.4,	16.1,

19	13.7,	341.4,	154.2,	-147.0,	4.7,	20	13.7,	340.1,	204.2,	-171.3,	-7.5,
21	13.7,	328.4,	248.8,	-191.0,	-19.4,	22	13.7,	306.8,	285.7,	-204.8,	-30.7,
23	13.7,	275.8,	314.0,	-212.5,	-41.1,	24	13.7,	236.4,	332.7,	-213.7,	-50.2,
25	13.7,	189.9,	341.3,	-208.4,	-57.9,	26	13.7,	138.4,	339.6,	-196.7,	-64.1,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-175.4,	-70.0,
29	13.7,	204.2,	340.1,	-162.6,	-69.2,	30	13.7,	248.8,	328.4,	-144.8,	-66.6,
31	13.7,	285.7,	306.8,	-122.7,	-62.0,	32	13.7,	314.0,	275.8,	-96.8,	-55.5,
33	13.7,	332.7,	236.4,	-68.0,	-47.3,	34	13.7,	341.3,	189.9,	-37.1,	-37.7,
35	13.7,	339.6,	138.4,	-5.1,	-26.9,	36	13.7,	333.6,	101.5,	18.9,	-16.1,

SOURCE ID: TTP35

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-7.8,	-1.7,	2	13.7,	340.1,	204.2,	-34.1,	10.3,
3	13.7,	328.4,	248.8,	-59.4,	21.9,	4	13.7,	306.8,	285.7,	-82.9,	33.0,
5	13.7,	275.8,	314.0,	-103.9,	43.0,	6	13.7,	236.4,	332.7,	-121.7,	51.7,
7	13.7,	189.9,	341.3,	-135.9,	58.8,	8	13.7,	138.4,	339.6,	-145.9,	64.5,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-169.0,	69.3,
11	13.7,	204.2,	340.1,	-180.3,	68.0,	12	13.7,	248.8,	328.4,	-186.2,	65.0,
13	13.7,	285.7,	306.8,	-186.3,	59.9,	14	13.7,	314.0,	275.8,	-180.9,	53.1,
15	13.7,	332.7,	236.4,	-169.9,	44.6,	16	13.7,	341.3,	189.9,	-153.7,	34.8,
17	13.7,	339.6,	138.4,	-133.7,	23.9,	18	13.7,	333.6,	101.5,	-120.3,	13.0,
19	13.7,	341.4,	154.2,	-146.4,	1.7,	20	13.7,	340.1,	204.2,	-170.1,	-10.3,
21	13.7,	328.4,	248.8,	-189.3,	-21.9,	22	13.7,	306.8,	285.7,	-202.8,	-33.0,
23	13.7,	275.8,	314.0,	-210.1,	-43.0,	24	13.7,	236.4,	332.7,	-211.0,	-51.7,
25	13.7,	189.9,	341.3,	-205.4,	-58.8,	26	13.7,	138.4,	339.6,	-193.7,	-64.5,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-172.4,	-69.3,
29	13.7,	204.2,	340.1,	-159.8,	-68.0,	30	13.7,	248.8,	328.4,	-142.2,	-65.0,
31	13.7,	285.7,	306.8,	-120.4,	-59.9,	32	13.7,	314.0,	275.8,	-94.9,	-53.1,
33	13.7,	332.7,	236.4,	-66.5,	-44.6,	34	13.7,	341.3,	189.9,	-36.1,	-34.8,
35	13.7,	339.6,	138.4,	-4.7,	-23.9,	36	13.7,	333.6,	101.5,	18.8,	-13.0,

SOURCE ID: TTP36

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-8.2,	1.2,	2	13.7,	340.1,	204.2,	-35.0,	13.1,
3	13.7,	328.4,	248.8,	-60.8,	24.5,	4	13.7,	306.8,	285.7,	-84.7,	35.3,
5	13.7,	275.8,	314.0,	-106.1,	44.9,	6	13.7,	236.4,	332.7,	-124.2,	53.2,
7	13.7,	189.9,	341.3,	-138.6,	59.9,	8	13.7,	138.4,	339.6,	-148.7,	65.1,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-171.9,	68.9,
11	13.7,	204.2,	340.1,	-183.1,	67.1,	12	13.7,	248.8,	328.4,	-188.7,	63.6,
13	13.7,	285.7,	306.8,	-188.7,	58.1,	14	13.7,	314.0,	275.8,	-182.8,	50.9,
15	13.7,	332.7,	236.4,	-171.4,	42.1,	16	13.7,	341.3,	189.9,	-154.9,	32.1,
17	13.7,	339.6,	138.4,	-134.3,	21.1,	18	13.7,	333.6,	101.5,	-120.4,	10.1,
19	13.7,	341.4,	154.2,	-146.0,	-1.2,	20	13.7,	340.1,	204.2,	-169.2,	-13.1,
21	13.7,	328.4,	248.8,	-188.0,	-24.5,	22	13.7,	306.8,	285.7,	-201.0,	-35.3,
23	13.7,	275.8,	314.0,	-207.9,	-44.9,	24	13.7,	236.4,	332.7,	-208.5,	-53.2,
25	13.7,	189.9,	341.3,	-202.7,	-59.9,	26	13.7,	138.4,	339.6,	-190.8,	-65.1,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-169.5,	-68.9,
29	13.7,	204.2,	340.1,	-157.0,	-67.1,	30	13.7,	248.8,	328.4,	-139.7,	-63.6,
31	13.7,	285.7,	306.8,	-118.1,	-58.1,	32	13.7,	314.0,	275.8,	-93.0,	-50.9,
33	13.7,	332.7,	236.4,	-65.0,	-42.1,	34	13.7,	341.3,	189.9,	-35.0,	-32.1,
35	13.7,	339.6,	138.4,	-4.0,	-21.1,	36	13.7,	333.6,	101.5,	18.9,	-10.1,

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\*\*\* AERMET - VERSION 21112 \*\*\*

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: TTP37

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-9.0,	4.5,	2	13.7,	340.1,	204.2,	-36.4,	16.2,
3	13.7,	328.4,	248.8,	-62.7,	27.4,	4	13.7,	306.8,	285.7,	-87.1,	37.7,
5	13.7,	275.8,	314.0,	-108.8,	46.9,	6	13.7,	236.4,	332.7,	-127.3,	54.7,
7	13.7,	189.9,	341.3,	-141.9,	60.8,	8	13.7,	138.4,	339.6,	-152.1,	65.5,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-175.2,	68.1,
11	13.7,	204.2,	340.1,	-186.2,	65.7,	12	13.7,	248.8,	328.4,	-191.6,	61.7,
13	13.7,	285.7,	306.8,	-191.1,	55.8,	14	13.7,	314.0,	275.8,	-184.8,	48.1,
15	13.7,	332.7,	236.4,	-172.9,	39.1,	16	13.7,	341.3,	189.9,	-155.8,	28.8,
17	13.7,	339.6,	138.4,	-134.7,	17.7,	18	13.7,	333.6,	101.5,	-120.1,	6.7,
19	13.7,	341.4,	154.2,	-145.2,	-4.5,	20	13.7,	340.1,	204.2,	-167.9,	-16.2,
21	13.7,	328.4,	248.8,	-186.1,	-27.4,	22	13.7,	306.8,	285.7,	-198.6,	-37.7,
23	13.7,	275.8,	314.0,	-205.1,	-46.9,	24	13.7,	236.4,	332.7,	-205.4,	-54.7,
25	13.7,	189.9,	341.3,	-199.5,	-60.8,	26	13.7,	138.4,	339.6,	-187.4,	-65.5,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-166.2,	-68.1,
29	13.7,	204.2,	340.1,	-153.9,	-65.7,	30	13.7,	248.8,	328.4,	-136.8,	-61.7,
31	13.7,	285.7,	306.8,	-115.6,	-55.8,	32	13.7,	314.0,	275.8,	-91.0,	-48.1,
33	13.7,	332.7,	236.4,	-63.5,	-39.1,	34	13.7,	341.3,	189.9,	-34.1,	-28.8,
35	13.7,	339.6,	138.4,	-3.7,	-17.7,	36	13.7,	333.6,	101.5,	18.7,	-6.7,

SOURCE ID: TTP38

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-9.6,	7.4,	2	13.7,	340.1,	204.2,	-37.5,	18.9,
3	13.7,	328.4,	248.8,	-64.3,	29.8,	4	13.7,	306.8,	285.7,	-89.1,	39.9,
5	13.7,	275.8,	314.0,	-111.2,	48.7,	6	13.7,	236.4,	332.7,	-129.9,	56.1,
7	13.7,	189.9,	341.3,	-144.7,	61.7,	8	13.7,	138.4,	339.6,	-155.0,	65.9,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-178.1,	67.5,
11	13.7,	204.2,	340.1,	-188.9,	64.6,	12	13.7,	248.8,	328.4,	-194.0,	60.1,
13	13.7,	285.7,	306.8,	-193.3,	53.8,	14	13.7,	314.0,	275.8,	-186.6,	45.8,
15	13.7,	332.7,	236.4,	-174.3,	36.5,	16	13.7,	341.3,	189.9,	-156.7,	26.0,
17	13.7,	339.6,	138.4,	-135.1,	14.8,	18	13.7,	333.6,	101.5,	-120.0,	3.8,
19	13.7,	341.4,	154.2,	-144.5,	-7.4,	20	13.7,	340.1,	204.2,	-166.7,	-18.9,
21	13.7,	328.4,	248.8,	-184.5,	-29.8,	22	13.7,	306.8,	285.7,	-196.6,	-39.9,
23	13.7,	275.8,	314.0,	-202.8,	-48.7,	24	13.7,	236.4,	332.7,	-202.8,	-56.1,
25	13.7,	189.9,	341.3,	-196.7,	-61.7,	26	13.7,	138.4,	339.6,	-184.5,	-65.9,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-163.4,	-67.5,
29	13.7,	204.2,	340.1,	-151.2,	-64.6,	30	13.7,	248.8,	328.4,	-134.4,	-60.1,
31	13.7,	285.7,	306.8,	-113.5,	-53.8,	32	13.7,	314.0,	275.8,	-89.2,	-45.8,
33	13.7,	332.7,	236.4,	-62.1,	-36.5,	34	13.7,	341.3,	189.9,	-33.2,	-26.0,
35	13.7,	339.6,	138.4,	-3.3,	-14.8,	36	13.7,	333.6,	101.5,	18.6,	-3.8,

SOURCE ID: TTP39

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-10.2,	10.4,	2	13.7,	340.1,	204.2,	-38.5,	21.8,
3	13.7,	328.4,	248.8,	-65.8,	32.5,	4	13.7,	306.8,	285.7,	-91.0,	42.2,
5	13.7,	275.8,	314.0,	-113.5,	50.7,	6	13.7,	236.4,	332.7,	-132.5,	57.6,
7	13.7,	189.9,	341.3,	-147.5,	62.8,	8	13.7,	138.4,	339.6,	-158.0,	66.4,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-181.1,	66.9,
11	13.7,	204.2,	340.1,	-191.8,	63.6,	12	13.7,	248.8,	328.4,	-196.7,	58.6,
13	13.7,	285.7,	306.8,	-195.6,	51.8,	14	13.7,	314.0,	275.8,	-188.6,	43.5,
15	13.7,	332.7,	236.4,	-175.8,	33.8,	16	13.7,	341.3,	189.9,	-157.7,	23.1,
17	13.7,	339.6,	138.4,	-135.6,	11.8,	18	13.7,	333.6,	101.5,	-120.0,	0.7,
19	13.7,	341.4,	154.2,	-144.0,	-10.4,	20	13.7,	340.1,	204.2,	-165.7,	-21.8,
21	13.7,	328.4,	248.8,	-183.0,	-32.5,	22	13.7,	306.8,	285.7,	-194.7,	-42.2,
23	13.7,	275.8,	314.0,	-200.5,	-50.7,	24	13.7,	236.4,	332.7,	-200.2,	-57.6,
25	13.7,	189.9,	341.3,	-193.8,	-62.8,	26	13.7,	138.4,	339.6,	-181.5,	-66.4,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-160.3,	-66.9,
29	13.7,	204.2,	340.1,	-148.3,	-63.6,	30	13.7,	248.8,	328.4,	-131.7,	-58.6,
31	13.7,	285.7,	306.8,	-111.1,	-51.8,	32	13.7,	314.0,	275.8,	-87.2,	-43.5,
33	13.7,	332.7,	236.4,	-60.6,	-33.8,	34	13.7,	341.3,	189.9,	-32.2,	-23.1,
35	13.7,	339.6,	138.4,	-2.8,	-11.8,	36	13.7,	333.6,	101.5,	18.6,	-0.7,

SOURCE ID: TTP40

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-10.9,	13.4,	2	13.7,	340.1,	204.2,	-39.9,	24.6,
3	13.7,	328.4,	248.8,	-67.6,	35.1,	4	13.7,	306.8,	285.7,	-93.2,	44.5,
5	13.7,	275.8,	314.0,	-116.1,	52.5,	6	13.7,	236.4,	332.7,	-135.4,	59.0,
7	13.7,	189.9,	341.3,	-150.6,	63.6,	8	13.7,	138.4,	339.6,	-161.2,	66.7,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-184.1,	66.1,
11	13.7,	204.2,	340.1,	-194.7,	62.3,	12	13.7,	248.8,	328.4,	-199.3,	56.8,
13	13.7,	285.7,	306.8,	-197.9,	49.6,	14	13.7,	314.0,	275.8,	-190.4,	40.9,
15	13.7,	332.7,	236.4,	-177.2,	31.0,	16	13.7,	341.3,	189.9,	-158.6,	20.1,
17	13.7,	339.6,	138.4,	-135.9,	8.6,	18	13.7,	333.6,	101.5,	-119.8,	-2.4,
19	13.7,	341.4,	154.2,	-143.2,	-13.4,	20	13.7,	340.1,	204.2,	-164.4,	-24.6,
21	13.7,	328.4,	248.8,	-181.2,	-35.1,	22	13.7,	306.8,	285.7,	-192.5,	-44.5,
23	13.7,	275.8,	314.0,	-197.9,	-52.5,	24	13.7,	236.4,	332.7,	-197.3,	-59.0,
25	13.7,	189.9,	341.3,	-190.8,	-63.6,	26	13.7,	138.4,	339.6,	-178.4,	-66.7,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-157.3,	-66.1,
29	13.7,	204.2,	340.1,	-145.4,	-62.3,	30	13.7,	248.8,	328.4,	-129.1,	-56.8,
31	13.7,	285.7,	306.8,	-108.9,	-49.6,	32	13.7,	314.0,	275.8,	-85.4,	-40.9,
33	13.7,	332.7,	236.4,	-59.2,	-31.0,	34	13.7,	341.3,	189.9,	-31.3,	-20.1,
35	13.7,	339.6,	138.4,	-2.4,	-8.6,	36	13.7,	333.6,	101.5,	18.3,	2.4,

\*\*\* AERMOD - VERSION 23132 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\15639  
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\*\*\* AERMET - VERSION 21112 \*\*\*  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: TTP41

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-11.6,	16.4,	2	13.7,	340.1,	204.2,	-41.0,	27.5,
3	13.7,	328.4,	248.8,	-69.2,	37.7,	4	13.7,	306.8,	285.7,	-95.3,	46.8,
5	13.7,	275.8,	314.0,	-118.5,	54.4,	6	13.7,	236.4,	332.7,	-138.1,	60.4,
7	13.7,	189.9,	341.3,	-153.5,	64.5,	8	13.7,	138.4,	339.6,	-164.2,	67.1,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-187.1,	65.5,
11	13.7,	204.2,	340.1,	-197.5,	61.1,	12	13.7,	248.8,	328.4,	-201.9,	55.2,
13	13.7,	285.7,	306.8,	-200.1,	47.6,	14	13.7,	314.0,	275.8,	-192.3,	38.5,
15	13.7,	332.7,	236.4,	-178.6,	28.3,	16	13.7,	341.3,	189.9,	-159.5,	17.2,
17	13.7,	339.6,	138.4,	-136.3,	5.6,	18	13.7,	333.6,	101.5,	-119.7,	-5.5,
19	13.7,	341.4,	154.2,	-142.6,	-16.4,	20	13.7,	340.1,	204.2,	-163.2,	-27.5,
21	13.7,	328.4,	248.8,	-179.6,	-37.7,	22	13.7,	306.8,	285.7,	-190.4,	-46.8,
23	13.7,	275.8,	314.0,	-195.5,	-54.4,	24	13.7,	236.4,	332.7,	-194.6,	-60.4,
25	13.7,	189.9,	341.3,	-187.8,	-64.5,	26	13.7,	138.4,	339.6,	-175.4,	-67.1,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-154.3,	-65.5,
29	13.7,	204.2,	340.1,	-142.6,	-61.1,	30	13.7,	248.8,	328.4,	-126.5,	-55.2,
31	13.7,	285.7,	306.8,	-106.6,	-47.6,	32	13.7,	314.0,	275.8,	-83.5,	-38.5,
33	13.7,	332.7,	236.4,	-57.8,	-28.3,	34	13.7,	341.3,	189.9,	-30.4,	-17.2,
35	13.7,	339.6,	138.4,	-2.0,	-5.6,	36	13.7,	333.6,	101.5,	18.2,	5.5,

SOURCE ID: TTP42

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-12.0,	19.3,	2	13.7,	340.1,	204.2,	-41.9,	30.2,
3	13.7,	328.4,	248.8,	-70.6,	40.3,	4	13.7,	306.8,	285.7,	-97.1,	49.1,
5	13.7,	275.8,	314.0,	-120.6,	56.4,	6	13.7,	236.4,	332.7,	-140.5,	62.0,
7	13.7,	189.9,	341.3,	-156.2,	65.7,	8	13.7,	138.4,	339.6,	-167.1,	67.8,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-190.0,	65.1,
11	13.7,	204.2,	340.1,	-200.3,	60.2,	12	13.7,	248.8,	328.4,	-204.5,	53.8,
13	13.7,	285.7,	306.8,	-202.4,	45.8,	14	13.7,	314.0,	275.8,	-194.2,	36.3,
15	13.7,	332.7,	236.4,	-180.2,	25.8,	16	13.7,	341.3,	189.9,	-160.6,	14.5,
17	13.7,	339.6,	138.4,	-136.9,	2.7,	18	13.7,	333.6,	101.5,	-119.8,	-8.4,
19	13.7,	341.4,	154.2,	-142.2,	-19.3,	20	13.7,	340.1,	204.2,	-162.4,	-30.2,
21	13.7,	328.4,	248.8,	-178.2,	-40.3,	22	13.7,	306.8,	285.7,	-188.6,	-49.1,

23	13.7,	275.8,	314.0,	-193.3,	-56.4,	24	13.7,	236.4,	332.7,	-192.2,	-62.0,
25	13.7,	189.9,	341.3,	-185.1,	-65.7,	26	13.7,	138.4,	339.6,	-172.5,	-67.8,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-151.4,	-65.1,
29	13.7,	204.2,	340.1,	-139.8,	-60.2,	30	13.7,	248.8,	328.4,	-123.9,	-53.8,
31	13.7,	285.7,	306.8,	-104.3,	-45.8,	32	13.7,	314.0,	275.8,	-81.5,	-36.3,
33	13.7,	332.7,	236.4,	-56.3,	-25.8,	34	13.7,	341.3,	189.9,	-29.3,	-14.5,
35	13.7,	339.6,	138.4,	-1.4,	-2.7,	36	13.7,	333.6,	101.5,	18.3,	8.4,

SOURCE ID: TTP43

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-12.5,	22.1,	2	13.7,	340.1,	204.2,	-42.9,	32.9,
3	13.7,	328.4,	248.8,	-72.0,	42.7,	4	13.7,	306.8,	285.7,	-98.9,	51.2,
5	13.7,	275.8,	314.0,	-122.8,	58.2,	6	13.7,	236.4,	332.7,	-143.0,	63.4,
7	13.7,	189.9,	341.3,	-158.8,	66.6,	8	13.7,	138.4,	339.6,	-169.8,	68.2,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-192.8,	64.6,
11	13.7,	204.2,	340.1,	-202.9,	59.3,	12	13.7,	248.8,	328.4,	-206.9,	52.4,
13	13.7,	285.7,	306.8,	-204.6,	44.0,	14	13.7,	314.0,	275.8,	-196.1,	34.2,
15	13.7,	332.7,	236.4,	-181.6,	23.4,	16	13.7,	341.3,	189.9,	-161.6,	11.9,
17	13.7,	339.6,	138.4,	-137.4,	-0.0,	18	13.7,	333.6,	101.5,	-119.8,	-11.2,
19	13.7,	341.4,	154.2,	-141.7,	-22.1,	20	13.7,	340.1,	204.2,	-161.4,	-32.9,
21	13.7,	328.4,	248.8,	-176.8,	-42.7,	22	13.7,	306.8,	285.7,	-186.8,	-51.2,
23	13.7,	275.8,	314.0,	-191.2,	-58.2,	24	13.7,	236.4,	332.7,	-189.7,	-63.4,
25	13.7,	189.9,	341.3,	-182.5,	-66.6,	26	13.7,	138.4,	339.6,	-169.7,	-68.2,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-148.6,	-64.6,
29	13.7,	204.2,	340.1,	-137.2,	-59.3,	30	13.7,	248.8,	328.4,	-121.5,	-52.4,
31	13.7,	285.7,	306.8,	-102.2,	-44.0,	32	13.7,	314.0,	275.8,	-79.7,	-34.2,
33	13.7,	332.7,	236.4,	-54.9,	-23.4,	34	13.7,	341.3,	189.9,	-28.3,	-11.9,
35	13.7,	339.6,	138.4,	-0.9,	0.0,	36	13.7,	333.6,	101.5,	18.3,	11.2,

SOURCE ID: TTP44

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-13.1,	24.9,	2	13.7,	340.1,	204.2,	-44.0,	35.6,
3	13.7,	328.4,	248.8,	-73.5,	45.2,	4	13.7,	306.8,	285.7,	-100.8,	53.4,
5	13.7,	275.8,	314.0,	-125.1,	59.9,	6	13.7,	236.4,	332.7,	-145.6,	64.7,
7	13.7,	189.9,	341.3,	-161.6,	67.5,	8	13.7,	138.4,	339.6,	-172.7,	68.6,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-195.6,	64.0,
11	13.7,	204.2,	340.1,	-205.6,	58.1,	12	13.7,	248.8,	328.4,	-209.4,	50.8,
13	13.7,	285.7,	306.8,	-206.7,	42.0,	14	13.7,	314.0,	275.8,	-197.8,	31.9,
15	13.7,	332.7,	236.4,	-182.9,	20.8,	16	13.7,	341.3,	189.9,	-162.5,	9.1,
17	13.7,	339.6,	138.4,	-137.8,	-2.9,	18	13.7,	333.6,	101.5,	-119.7,	-14.1,
19	13.7,	341.4,	154.2,	-141.1,	-24.9,	20	13.7,	340.1,	204.2,	-160.3,	-35.6,
21	13.7,	328.4,	248.8,	-175.2,	-45.2,	22	13.7,	306.8,	285.7,	-184.9,	-53.4,
23	13.7,	275.8,	314.0,	-188.9,	-59.9,	24	13.7,	236.4,	332.7,	-187.1,	-64.7,
25	13.7,	189.9,	341.3,	-179.7,	-67.5,	26	13.7,	138.4,	339.6,	-166.9,	-68.6,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-145.8,	-64.0,
29	13.7,	204.2,	340.1,	-134.5,	-58.1,	30	13.7,	248.8,	328.4,	-119.0,	-50.8,
31	13.7,	285.7,	306.8,	-100.0,	-42.0,	32	13.7,	314.0,	275.8,	-77.9,	-31.9,
33	13.7,	332.7,	236.4,	-53.5,	-20.8,	34	13.7,	341.3,	189.9,	-27.4,	-9.1,
35	13.7,	339.6,	138.4,	-0.5,	2.9,	36	13.7,	333.6,	101.5,	18.2,	14.1,

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: TTP45

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-13.6,	27.9,	2	13.7,	340.1,	204.2,	-45.0,	38.4,

3	13.7,	328.4,	248.8,	-75.0,	47.8,	4	13.7,	306.8,	285.7,	-102.8,	55.7,
5	13.7,	275.8,	314.0,	-127.4,	61.9,	6	13.7,	236.4,	332.7,	-148.2,	66.2,
7	13.7,	189.9,	341.3,	-164.5,	68.5,	8	13.7,	138.4,	339.6,	-175.7,	69.2,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-198.6,	63.5,
11	13.7,	204.2,	340.1,	-208.5,	57.1,	12	13.7,	248.8,	328.4,	-212.0,	49.3,
13	13.7,	285.7,	306.8,	-209.1,	40.0,	14	13.7,	314.0,	275.8,	-199.8,	29.5,
15	13.7,	332.7,	236.4,	-184.5,	18.2,	16	13.7,	341.3,	189.9,	-163.5,	6.2,
17	13.7,	339.6,	138.4,	-138.3,	-5.9,	18	13.7,	333.6,	101.5,	-119.7,	-17.2,
19	13.7,	341.4,	154.2,	-140.6,	-27.9,	20	13.7,	340.1,	204.2,	-159.2,	-38.4,
21	13.7,	328.4,	248.8,	-173.7,	-47.8,	22	13.7,	306.8,	285.7,	-182.9,	-55.7,
23	13.7,	275.8,	314.0,	-186.5,	-61.9,	24	13.7,	236.4,	332.7,	-184.5,	-66.2,
25	13.7,	189.9,	341.3,	-176.9,	-68.5,	26	13.7,	138.4,	339.6,	-163.8,	-69.2,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-142.8,	-63.5,
29	13.7,	204.2,	340.1,	-131.6,	-57.1,	30	13.7,	248.8,	328.4,	-116.4,	-49.3,
31	13.7,	285.7,	306.8,	-97.7,	-40.0,	32	13.7,	314.0,	275.8,	-76.0,	-29.5,
33	13.7,	332.7,	236.4,	-52.0,	-18.2,	34	13.7,	341.3,	189.9,	-26.4,	-6.2,
35	13.7,	339.6,	138.4,	-0.0,	5.9,	36	13.7,	333.6,	101.5,	18.2,	17.2,

SOURCE ID: TTP46

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-14.4,	31.0,	2	13.7,	340.1,	204.2,	-46.3,	41.3,
3	13.7,	328.4,	248.8,	-76.8,	50.4,	4	13.7,	306.8,	285.7,	-105.0,	58.0,
5	13.7,	275.8,	314.0,	-130.0,	63.8,	6	13.7,	236.4,	332.7,	-151.1,	67.6,
7	13.7,	189.9,	341.3,	-167.5,	69.4,	8	13.7,	138.4,	339.6,	-178.9,	69.5,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-201.7,	62.7,
11	13.7,	204.2,	340.1,	-211.4,	55.8,	12	13.7,	248.8,	328.4,	-214.6,	47.5,
13	13.7,	285.7,	306.8,	-211.3,	37.8,	14	13.7,	314.0,	275.8,	-201.6,	27.0,
15	13.7,	332.7,	236.4,	-185.8,	15.3,	16	13.7,	341.3,	189.9,	-164.3,	3.1,
17	13.7,	339.6,	138.4,	-138.6,	-9.1,	18	13.7,	333.6,	101.5,	-119.4,	-20.3,
19	13.7,	341.4,	154.2,	-139.8,	-31.0,	20	13.7,	340.1,	204.2,	-157.9,	-41.3,
21	13.7,	328.4,	248.8,	-171.9,	-50.4,	22	13.7,	306.8,	285.7,	-180.7,	-58.0,
23	13.7,	275.8,	314.0,	-184.0,	-63.8,	24	13.7,	236.4,	332.7,	-181.6,	-67.6,
25	13.7,	189.9,	341.3,	-173.8,	-69.4,	26	13.7,	138.4,	339.6,	-160.7,	-69.5,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-139.7,	-62.7,
29	13.7,	204.2,	340.1,	-128.7,	-55.8,	30	13.7,	248.8,	328.4,	-113.8,	-47.5,
31	13.7,	285.7,	306.8,	-95.4,	-37.8,	32	13.7,	314.0,	275.8,	-74.1,	-27.0,
33	13.7,	332.7,	236.4,	-50.6,	-15.3,	34	13.7,	341.3,	189.9,	-25.6,	-3.1,
35	13.7,	339.6,	138.4,	0.3,	9.1,	36	13.7,	333.6,	101.5,	18.0,	20.3,

SOURCE ID: TTP47

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-15.1,	34.0,	2	13.7,	340.1,	204.2,	-47.5,	44.2,
3	13.7,	328.4,	248.8,	-78.5,	53.0,	4	13.7,	306.8,	285.7,	-107.1,	60.2,
5	13.7,	275.8,	314.0,	-132.4,	65.6,	6	13.7,	236.4,	332.7,	-153.8,	69.0,
7	13.7,	189.9,	341.3,	-170.4,	70.3,	8	13.7,	138.4,	339.6,	-181.9,	69.9,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-204.7,	62.0,
11	13.7,	204.2,	340.1,	-214.2,	54.6,	12	13.7,	248.8,	328.4,	-217.2,	45.9,
13	13.7,	285.7,	306.8,	-213.6,	35.8,	14	13.7,	314.0,	275.8,	-203.5,	24.6,
15	13.7,	332.7,	236.4,	-187.2,	12.6,	16	13.7,	341.3,	189.9,	-165.3,	0.2,
17	13.7,	339.6,	138.4,	-139.1,	-12.1,	18	13.7,	333.6,	101.5,	-119.3,	-23.4,
19	13.7,	341.4,	154.2,	-139.1,	-34.0,	20	13.7,	340.1,	204.2,	-156.8,	-44.2,
21	13.7,	328.4,	248.8,	-170.3,	-53.0,	22	13.7,	306.8,	285.7,	-178.6,	-60.2,
23	13.7,	275.8,	314.0,	-181.5,	-65.6,	24	13.7,	236.4,	332.7,	-178.9,	-69.0,
25	13.7,	189.9,	341.3,	-170.9,	-70.3,	26	13.7,	138.4,	339.6,	-157.7,	-69.9,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-136.7,	-62.0,
29	13.7,	204.2,	340.1,	-125.9,	-54.6,	30	13.7,	248.8,	328.4,	-111.2,	-45.9,
31	13.7,	285.7,	306.8,	-93.1,	-35.8,	32	13.7,	314.0,	275.8,	-72.3,	-24.6,
33	13.7,	332.7,	236.4,	-49.2,	-12.6,	34	13.7,	341.3,	189.9,	-24.6,	-0.2,
35	13.7,	339.6,	138.4,	0.7,	12.1,	36	13.7,	333.6,	101.5,	17.8,	23.4,

SOURCE ID: TTP48

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-15.4,	36.9,	2	13.7,	340.1,	204.2,	-48.4,	46.9,

3	13.7,	328.4,	248.8,	-79.8,	55.6,	4	13.7,	306.8,	285.7,	-108.9,	62.5,
5	13.7,	275.8,	314.0,	-134.6,	67.6,	6	13.7,	236.4,	332.7,	-156.2,	70.6,
7	13.7,	189.9,	341.3,	-173.1,	71.4,	8	13.7,	138.4,	339.6,	-184.8,	70.5,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-207.6,	61.6,
11	13.7,	204.2,	340.1,	-217.0,	53.8,	12	13.7,	248.8,	328.4,	-219.8,	44.5,
13	13.7,	285.7,	306.8,	-215.9,	34.0,	14	13.7,	314.0,	275.8,	-205.5,	22.4,
15	13.7,	332.7,	236.4,	-188.8,	10.1,	16	13.7,	341.3,	189.9,	-166.4,	-2.5,
17	13.7,	339.6,	138.4,	-139.7,	-15.0,	18	13.7,	333.6,	101.5,	-119.4,	-26.3,
19	13.7,	341.4,	154.2,	-138.7,	-36.9,	20	13.7,	340.1,	204.2,	-155.9,	-46.9,
21	13.7,	328.4,	248.8,	-168.9,	-55.6,	22	13.7,	306.8,	285.7,	-176.8,	-62.5,
23	13.7,	275.8,	314.0,	-179.4,	-67.6,	24	13.7,	236.4,	332.7,	-176.5,	-70.6,
25	13.7,	189.9,	341.3,	-168.2,	-71.4,	26	13.7,	138.4,	339.6,	-154.8,	-70.5,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-133.8,	-61.6,
29	13.7,	204.2,	340.1,	-123.1,	-53.8,	30	13.7,	248.8,	328.4,	-108.6,	-44.5,
31	13.7,	285.7,	306.8,	-90.8,	-34.0,	32	13.7,	314.0,	275.8,	-70.3,	-22.4,
33	13.7,	332.7,	236.4,	-47.6,	-10.1,	34	13.7,	341.3,	189.9,	-23.5,	2.5,
35	13.7,	339.6,	138.4,	1.3,	15.0,	36	13.7,	333.6,	101.5,	18.0,	26.3,

\*\*\* AERMOD - VERSION 23132 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\15639  
Spreckels\15639 Ops HRA\1 \*\*\*      09/20/24  
\*\*\* AERMET - VERSION 21112 \*\*\*  
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\*\*\* MODELOPTs:      RegDFault    CONC    ELEV    URBAN    ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: TTP49

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-16.2,	40.2,	2	13.7,	340.1,	204.2,	-49.6,	50.1,
3	13.7,	328.4,	248.8,	-81.6,	58.5,	4	13.7,	306.8,	285.7,	-111.1,	65.1,
5	13.7,	275.8,	314.0,	-137.3,	69.7,	6	13.7,	236.4,	332.7,	-159.2,	72.2,
7	13.7,	189.9,	341.3,	-176.4,	72.5,	8	13.7,	138.4,	339.6,	-188.1,	71.0,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-210.9,	60.9,
11	13.7,	204.2,	340.1,	-220.1,	52.5,	12	13.7,	248.8,	328.4,	-222.7,	42.7,
13	13.7,	285.7,	306.8,	-218.4,	31.7,	14	13.7,	314.0,	275.8,	-207.6,	19.7,
15	13.7,	332.7,	236.4,	-190.4,	7.1,	16	13.7,	341.3,	189.9,	-167.4,	-5.7,
17	13.7,	339.6,	138.4,	-140.2,	-18.4,	18	13.7,	333.6,	101.5,	-119.3,	-29.7,
19	13.7,	341.4,	154.2,	-138.0,	-40.2,	20	13.7,	340.1,	204.2,	-154.6,	-50.1,
21	13.7,	328.4,	248.8,	-167.1,	-58.5,	22	13.7,	306.8,	285.7,	-174.6,	-65.1,
23	13.7,	275.8,	314.0,	-176.7,	-69.7,	24	13.7,	236.4,	332.7,	-173.5,	-72.2,
25	13.7,	189.9,	341.3,	-164.9,	-72.5,	26	13.7,	138.4,	339.6,	-151.4,	-71.0,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-130.5,	-60.9,
29	13.7,	204.2,	340.1,	-119.9,	-52.5,	30	13.7,	248.8,	328.4,	-105.7,	-42.7,
31	13.7,	285.7,	306.8,	-88.3,	-31.7,	32	13.7,	314.0,	275.8,	-68.2,	-19.7,
33	13.7,	332.7,	236.4,	-46.0,	-7.1,	34	13.7,	341.3,	189.9,	-22.5,	5.7,
35	13.7,	339.6,	138.4,	1.8,	18.4,	36	13.7,	333.6,	101.5,	17.8,	29.7,

SOURCE ID: TTP50

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-16.8,	43.1,	2	13.7,	340.1,	204.2,	-50.8,	52.8,
3	13.7,	328.4,	248.8,	-83.2,	60.9,	4	13.7,	306.8,	285.7,	-113.1,	67.2,
5	13.7,	275.8,	314.0,	-139.6,	71.5,	6	13.7,	236.4,	332.7,	-161.8,	73.5,
7	13.7,	189.9,	341.3,	-179.2,	73.4,	8	13.7,	138.4,	339.6,	-191.0,	71.4,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-213.8,	60.3,
11	13.7,	204.2,	340.1,	-222.8,	51.4,	12	13.7,	248.8,	328.4,	-225.1,	41.2,
13	13.7,	285.7,	306.8,	-220.6,	29.7,	14	13.7,	314.0,	275.8,	-209.4,	17.4,
15	13.7,	332.7,	236.4,	-191.8,	4.5,	16	13.7,	341.3,	189.9,	-168.3,	-8.5,
17	13.7,	339.6,	138.4,	-140.5,	-21.2,	18	13.7,	333.6,	101.5,	-119.2,	-32.6,
19	13.7,	341.4,	154.2,	-137.4,	-43.1,	20	13.7,	340.1,	204.2,	-153.5,	-52.8,
21	13.7,	328.4,	248.8,	-165.6,	-60.9,	22	13.7,	306.8,	285.7,	-172.6,	-67.2,
23	13.7,	275.8,	314.0,	-174.4,	-71.5,	24	13.7,	236.4,	332.7,	-170.9,	-73.5,
25	13.7,	189.9,	341.3,	-162.2,	-73.4,	26	13.7,	138.4,	339.6,	-148.5,	-71.4,

27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-127.6,	-60.3,
29	13.7,	204.2,	340.1,	-117.2,	-51.4,	30	13.7,	248.8,	328.4,	-103.2,	-41.2,
31	13.7,	285.7,	306.8,	-86.1,	-29.7,	32	13.7,	314.0,	275.8,	-66.4,	-17.4,
33	13.7,	332.7,	236.4,	-44.7,	-4.5,	34	13.7,	341.3,	189.9,	-21.6,	8.5,
35	13.7,	339.6,	138.4,	2.2,	21.2,	36	13.7,	333.6,	101.5,	17.7,	32.6,

SOURCE ID: TTP51

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-17.3,	46.1,	2	13.7,	340.1,	204.2,	-51.8,	55.7,
3	13.7,	328.4,	248.8,	-84.7,	63.6,	4	13.7,	306.8,	285.7,	-115.1,	69.6,
5	13.7,	275.8,	314.0,	-141.9,	73.4,	6	13.7,	236.4,	332.7,	-164.5,	75.1,
7	13.7,	189.9,	341.3,	-182.0,	74.4,	8	13.7,	138.4,	339.6,	-194.0,	71.9,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-216.8,	59.8,
11	13.7,	204.2,	340.1,	-225.7,	50.3,	12	13.7,	248.8,	328.4,	-227.8,	39.6,
13	13.7,	285.7,	306.8,	-222.9,	27.8,	14	13.7,	314.0,	275.8,	-211.3,	15.1,
15	13.7,	332.7,	236.4,	-193.3,	1.9,	16	13.7,	341.3,	189.9,	-169.4,	-11.4,
17	13.7,	339.6,	138.4,	-141.1,	-24.2,	18	13.7,	333.6,	101.5,	-119.2,	-35.7,
19	13.7,	341.4,	154.2,	-136.9,	-46.1,	20	13.7,	340.1,	204.2,	-152.4,	-55.7,
21	13.7,	328.4,	248.8,	-164.0,	-63.6,	22	13.7,	306.8,	285.7,	-170.6,	-69.6,
23	13.7,	275.8,	314.0,	-172.0,	-73.4,	24	13.7,	236.4,	332.7,	-168.2,	-75.1,
25	13.7,	189.9,	341.3,	-159.3,	-74.4,	26	13.7,	138.4,	339.6,	-145.5,	-71.9,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-124.6,	-59.8,
29	13.7,	204.2,	340.1,	-114.4,	-50.3,	30	13.7,	248.8,	328.4,	-100.6,	-39.6,
31	13.7,	285.7,	306.8,	-83.8,	-27.8,	32	13.7,	314.0,	275.8,	-64.5,	-15.1,
33	13.7,	332.7,	236.4,	-43.1,	-1.9,	34	13.7,	341.3,	189.9,	-20.5,	11.4,
35	13.7,	339.6,	138.4,	2.7,	24.2,	36	13.7,	333.6,	101.5,	17.7,	35.7,

SOURCE ID: TTP52

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-18.1,	49.1,	2	13.7,	340.1,	204.2,	-53.1,	58.6,
3	13.7,	328.4,	248.8,	-86.5,	66.2,	4	13.7,	306.8,	285.7,	-117.3,	71.8,
5	13.7,	275.8,	314.0,	-144.5,	75.3,	6	13.7,	236.4,	332.7,	-167.3,	76.4,
7	13.7,	189.9,	341.3,	-185.1,	75.3,	8	13.7,	138.4,	339.6,	-197.2,	72.2,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-219.8,	59.0,
11	13.7,	204.2,	340.1,	-228.6,	49.0,	12	13.7,	248.8,	328.4,	-230.4,	37.9,
13	13.7,	285.7,	306.8,	-225.2,	25.6,	14	13.7,	314.0,	275.8,	-213.2,	12.5,
15	13.7,	332.7,	236.4,	-194.7,	-1.0,	16	13.7,	341.3,	189.9,	-170.2,	-14.4,
17	13.7,	339.6,	138.4,	-141.4,	-27.4,	18	13.7,	333.6,	101.5,	-118.9,	-38.8,
19	13.7,	341.4,	154.2,	-136.1,	-49.1,	20	13.7,	340.1,	204.2,	-151.1,	-58.6,
21	13.7,	328.4,	248.8,	-162.2,	-66.2,	22	13.7,	306.8,	285.7,	-168.4,	-71.8,
23	13.7,	275.8,	314.0,	-169.5,	-75.3,	24	13.7,	236.4,	332.7,	-165.4,	-76.4,
25	13.7,	189.9,	341.3,	-156.2,	-75.3,	26	13.7,	138.4,	339.6,	-142.4,	-72.2,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-121.6,	-59.0,
29	13.7,	204.2,	340.1,	-111.5,	-49.0,	30	13.7,	248.8,	328.4,	-98.0,	-37.9,
31	13.7,	285.7,	306.8,	-81.5,	-25.6,	32	13.7,	314.0,	275.8,	-62.6,	-12.5,
33	13.7,	332.7,	236.4,	-41.8,	1.0,	34	13.7,	341.3,	189.9,	-19.7,	14.4,
35	13.7,	339.6,	138.4,	3.0,	27.4,	36	13.7,	333.6,	101.5,	17.5,	38.8,

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 Spreckels\15639 Ops HRA\1 \*\*\* 09/20/24

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: TTP53

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-18.8,	52.1,	2	13.7,	340.1,	204.2,	-54.3,	61.4,
3	13.7,	328.4,	248.8,	-88.1,	68.8,	4	13.7,	306.8,	285.7,	-119.3,	74.1,
5	13.7,	275.8,	314.0,	-146.9,	77.1,	6	13.7,	236.4,	332.7,	-170.0,	77.8,



7	13.7,	189.9,	341.3,	-188.0,	76.2,	8	13.7,	138.4,	339.6,	-200.2,	72.6,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-222.8,	58.3,
11	13.7,	204.2,	340.1,	-231.4,	47.8,	12	13.7,	248.8,	328.4,	-233.0,	36.2,
13	13.7,	285.7,	306.8,	-227.5,	23.5,	14	13.7,	314.0,	275.8,	-215.0,	10.1,
15	13.7,	332.7,	236.4,	-196.1,	-3.7,	16	13.7,	341.3,	189.9,	-171.2,	-17.3,
17	13.7,	339.6,	138.4,	-141.8,	-30.4,	18	13.7,	333.6,	101.5,	-118.8,	-41.9,
19	13.7,	341.4,	154.2,	-135.4,	-52.1,	20	13.7,	340.1,	204.2,	-150.0,	-61.4,
21	13.7,	328.4,	248.8,	-160.6,	-68.8,	22	13.7,	306.8,	285.7,	-166.4,	-74.1,
23	13.7,	275.8,	314.0,	-167.0,	-77.1,	24	13.7,	236.4,	332.7,	-162.7,	-77.8,
25	13.7,	189.9,	341.3,	-153.3,	-76.2,	26	13.7,	138.4,	339.6,	-139.4,	-72.6,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-118.6,	-58.3,
29	13.7,	204.2,	340.1,	-108.6,	-47.8,	30	13.7,	248.8,	328.4,	-95.4,	-36.2,
31	13.7,	285.7,	306.8,	-79.3,	-23.5,	32	13.7,	314.0,	275.8,	-60.8,	-10.1,
33	13.7,	332.7,	236.4,	-40.4,	3.7,	34	13.7,	341.3,	189.9,	-18.8,	17.3,
35	13.7,	339.6,	138.4,	3.4,	30.4,	36	13.7,	333.6,	101.5,	17.4,	41.9,

SOURCE ID: TTP54

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-19.1,	55.0,	2	13.7,	340.1,	204.2,	-55.1,	64.2,
3	13.7,	328.4,	248.8,	-89.5,	71.4,	4	13.7,	306.8,	285.7,	-121.1,	76.4,
5	13.7,	275.8,	314.0,	-149.1,	79.1,	6	13.7,	236.4,	332.7,	-172.5,	79.4,
7	13.7,	189.9,	341.3,	-190.7,	77.3,	8	13.7,	138.4,	339.6,	-203.1,	73.2,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-225.7,	57.9,
11	13.7,	204.2,	340.1,	-234.2,	47.0,	12	13.7,	248.8,	328.4,	-235.6,	34.9,
13	13.7,	285.7,	306.8,	-229.8,	21.7,	14	13.7,	314.0,	275.8,	-217.0,	7.9,
15	13.7,	332.7,	236.4,	-197.6,	-6.1,	16	13.7,	341.3,	189.9,	-172.3,	-20.0,
17	13.7,	339.6,	138.4,	-142.4,	-33.3,	18	13.7,	333.6,	101.5,	-118.9,	-44.8,
19	13.7,	341.4,	154.2,	-135.0,	-55.0,	20	13.7,	340.1,	204.2,	-149.1,	-64.2,
21	13.7,	328.4,	248.8,	-159.2,	-71.4,	22	13.7,	306.8,	285.7,	-164.6,	-76.4,
23	13.7,	275.8,	314.0,	-164.9,	-79.1,	24	13.7,	236.4,	332.7,	-160.2,	-79.4,
25	13.7,	189.9,	341.3,	-150.6,	-77.3,	26	13.7,	138.4,	339.6,	-136.5,	-73.2,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-115.7,	-57.9,
29	13.7,	204.2,	340.1,	-105.9,	-47.0,	30	13.7,	248.8,	328.4,	-92.8,	-34.9,
31	13.7,	285.7,	306.8,	-77.0,	-21.7,	32	13.7,	314.0,	275.8,	-58.8,	-7.9,
33	13.7,	332.7,	236.4,	-38.8,	6.1,	34	13.7,	341.3,	189.9,	-17.6,	20.0,
35	13.7,	339.6,	138.4,	4.1,	33.3,	36	13.7,	333.6,	101.5,	17.5,	44.8,

SOURCE ID: TTP55

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-20.0,	57.9,	2	13.7,	340.1,	204.2,	-56.5,	66.9,
3	13.7,	328.4,	248.8,	-91.3,	73.8,	4	13.7,	306.8,	285.7,	-123.4,	78.5,
5	13.7,	275.8,	314.0,	-151.7,	80.8,	6	13.7,	236.4,	332.7,	-175.3,	80.6,
7	13.7,	189.9,	341.3,	-193.7,	78.0,	8	13.7,	138.4,	339.6,	-206.1,	73.4,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-228.7,	57.1,
11	13.7,	204.2,	340.1,	-236.9,	45.6,	12	13.7,	248.8,	328.4,	-238.0,	33.0,
13	13.7,	285.7,	306.8,	-231.9,	19.5,	14	13.7,	314.0,	275.8,	-218.7,	5.3,
15	13.7,	332.7,	236.4,	-198.8,	-9.0,	16	13.7,	341.3,	189.9,	-173.0,	-23.0,
17	13.7,	339.6,	138.4,	-142.6,	-36.3,	18	13.7,	333.6,	101.5,	-118.6,	-47.8,
19	13.7,	341.4,	154.2,	-134.1,	-57.9,	20	13.7,	340.1,	204.2,	-147.7,	-66.9,
21	13.7,	328.4,	248.8,	-157.4,	-73.8,	22	13.7,	306.8,	285.7,	-162.3,	-78.5,
23	13.7,	275.8,	314.0,	-162.3,	-80.8,	24	13.7,	236.4,	332.7,	-157.4,	-80.6,
25	13.7,	189.9,	341.3,	-147.7,	-78.0,	26	13.7,	138.4,	339.6,	-133.4,	-73.4,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-112.8,	-57.1,
29	13.7,	204.2,	340.1,	-103.1,	-45.6,	30	13.7,	248.8,	328.4,	-90.4,	-33.0,
31	13.7,	285.7,	306.8,	-74.9,	-19.5,	32	13.7,	314.0,	275.8,	-57.1,	-5.3,
33	13.7,	332.7,	236.4,	-37.6,	9.0,	34	13.7,	341.3,	189.9,	-16.9,	23.0,
35	13.7,	339.6,	138.4,	4.2,	36.3,	36	13.7,	333.6,	101.5,	17.1,	47.8,

SOURCE ID: TTP56

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-20.7,	60.8,	2	13.7,	340.1,	204.2,	-57.6,	69.6,
3	13.7,	328.4,	248.8,	-92.9,	76.3,	4	13.7,	306.8,	285.7,	-125.3,	80.7,
5	13.7,	275.8,	314.0,	-154.0,	82.6,	6	13.7,	236.4,	332.7,	-177.9,	82.0,

7	13.7,	189.9,	341.3,	-196.5,	78.9,	8	13.7,	138.4,	339.6,	-209.0,	73.8,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-231.5,	56.4,
11	13.7,	204.2,	340.1,	-239.7,	44.5,	12	13.7,	248.8,	328.4,	-240.5,	31.5,
13	13.7,	285.7,	306.8,	-234.0,	17.5,	14	13.7,	314.0,	275.8,	-220.5,	3.0,
15	13.7,	332.7,	236.4,	-200.2,	-11.6,	16	13.7,	341.3,	189.9,	-173.9,	-25.8,
17	13.7,	339.6,	138.4,	-143.0,	-39.2,	18	13.7,	333.6,	101.5,	-118.4,	-50.8,
19	13.7,	341.4,	154.2,	-133.5,	-60.8,	20	13.7,	340.1,	204.2,	-146.6,	-69.6,
21	13.7,	328.4,	248.8,	-155.8,	-76.3,	22	13.7,	306.8,	285.7,	-160.4,	-80.7,
23	13.7,	275.8,	314.0,	-160.0,	-82.6,	24	13.7,	236.4,	332.7,	-154.8,	-82.0,
25	13.7,	189.9,	341.3,	-144.9,	-78.9,	26	13.7,	138.4,	339.6,	-130.5,	-73.8,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-109.9,	-56.4,
29	13.7,	204.2,	340.1,	-100.4,	-44.5,	30	13.7,	248.8,	328.4,	-87.9,	-31.5,
31	13.7,	285.7,	306.8,	-72.7,	-17.5,	32	13.7,	314.0,	275.8,	-55.3,	-3.0,
33	13.7,	332.7,	236.4,	-36.2,	11.6,	34	13.7,	341.3,	189.9,	-16.1,	25.8,
35	13.7,	339.6,	138.4,	4.6,	39.2,	36	13.7,	333.6,	101.5,	17.0,	50.8,

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\*\*\* AERMET - VERSION 21112 \*\*\*  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: TTP57

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-21.2,	63.8,	2	13.7,	340.1,	204.2,	-58.7,	72.5,
3	13.7,	328.4,	248.8,	-94.4,	78.9,	4	13.7,	306.8,	285.7,	-127.3,	83.0,
5	13.7,	275.8,	314.0,	-156.3,	84.5,	6	13.7,	236.4,	332.7,	-180.6,	83.5,
7	13.7,	189.9,	341.3,	-199.3,	79.9,	8	13.7,	138.4,	339.6,	-212.0,	74.3,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-234.5,	55.9,
11	13.7,	204.2,	340.1,	-242.5,	43.4,	12	13.7,	248.8,	328.4,	-243.1,	29.9,
13	13.7,	285.7,	306.8,	-236.4,	15.6,	14	13.7,	314.0,	275.8,	-222.4,	0.7,
15	13.7,	332.7,	236.4,	-201.7,	-14.2,	16	13.7,	341.3,	189.9,	-174.9,	-28.7,
17	13.7,	339.6,	138.4,	-143.5,	-42.2,	18	13.7,	333.6,	101.5,	-118.4,	-53.8,
19	13.7,	341.4,	154.2,	-133.0,	-63.8,	20	13.7,	340.1,	204.2,	-145.6,	-72.5,
21	13.7,	328.4,	248.8,	-154.3,	-78.9,	22	13.7,	306.8,	285.7,	-158.4,	-83.0,
23	13.7,	275.8,	314.0,	-157.7,	-84.5,	24	13.7,	236.4,	332.7,	-152.1,	-83.5,
25	13.7,	189.9,	341.3,	-142.0,	-79.9,	26	13.7,	138.4,	339.6,	-127.5,	-74.3,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-106.9,	-55.9,
29	13.7,	204.2,	340.1,	-97.6,	-43.4,	30	13.7,	248.8,	328.4,	-85.3,	-29.9,
31	13.7,	285.7,	306.8,	-70.4,	-15.6,	32	13.7,	314.0,	275.8,	-53.4,	-0.7,
33	13.7,	332.7,	236.4,	-34.7,	14.2,	34	13.7,	341.3,	189.9,	-15.0,	28.7,
35	13.7,	339.6,	138.4,	5.1,	42.2,	36	13.7,	333.6,	101.5,	17.0,	53.8,

SOURCE ID: TTP58

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-22.0,	66.9,	2	13.7,	340.1,	204.2,	-60.0,	75.4,
3	13.7,	328.4,	248.8,	-96.2,	81.5,	4	13.7,	306.8,	285.7,	-129.5,	85.3,
5	13.7,	275.8,	314.0,	-158.9,	86.4,	6	13.7,	236.4,	332.7,	-183.4,	84.9,
7	13.7,	189.9,	341.3,	-202.4,	80.8,	8	13.7,	138.4,	339.6,	-215.2,	74.6,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-237.6,	55.1,
11	13.7,	204.2,	340.1,	-245.4,	42.1,	12	13.7,	248.8,	328.4,	-245.8,	28.2,
13	13.7,	285.7,	306.8,	-238.6,	13.3,	14	13.7,	314.0,	275.8,	-224.3,	-1.9,
15	13.7,	332.7,	236.4,	-203.1,	-17.1,	16	13.7,	341.3,	189.9,	-175.8,	-31.7,
17	13.7,	339.6,	138.4,	-143.8,	-45.4,	18	13.7,	333.6,	101.5,	-118.2,	-57.0,
19	13.7,	341.4,	154.2,	-132.2,	-66.9,	20	13.7,	340.1,	204.2,	-144.2,	-75.4,
21	13.7,	328.4,	248.8,	-152.5,	-81.5,	22	13.7,	306.8,	285.7,	-156.2,	-85.3,
23	13.7,	275.8,	314.0,	-155.1,	-86.4,	24	13.7,	236.4,	332.7,	-149.3,	-84.9,
25	13.7,	189.9,	341.3,	-138.9,	-80.8,	26	13.7,	138.4,	339.6,	-124.4,	-74.6,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-103.8,	-55.1,
29	13.7,	204.2,	340.1,	-94.7,	-42.1,	30	13.7,	248.8,	328.4,	-82.6,	-28.2,

31	13.7,	285.7,	306.8,	-68.1,	-13.3,	32	13.7,	314.0,	275.8,	-51.5,	1.9,
33	13.7,	332.7,	236.4,	-33.3,	17.1,	34	13.7,	341.3,	189.9,	-14.2,	31.7,
35	13.7,	339.6,	138.4,	5.5,	45.4,	36	13.7,	333.6,	101.5,	16.8,	57.0,

SOURCE ID: TTP59

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-22.6,	69.9,	2	13.7,	340.1,	204.2,	-61.2,	78.2,
3	13.7,	328.4,	248.8,	-97.9,	84.1,	4	13.7,	306.8,	285.7,	-131.6,	87.5,
5	13.7,	275.8,	314.0,	-161.3,	88.2,	6	13.7,	236.4,	332.7,	-186.1,	86.3,
7	13.7,	189.9,	341.3,	-205.3,	81.7,	8	13.7,	138.4,	339.6,	-218.2,	75.0,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-240.6,	54.5,
11	13.7,	204.2,	340.1,	-248.2,	41.0,	12	13.7,	248.8,	328.4,	-248.3,	26.5,
13	13.7,	285.7,	306.8,	-240.9,	11.3,	14	13.7,	314.0,	275.8,	-226.1,	-4.3,
15	13.7,	332.7,	236.4,	-204.5,	-19.8,	16	13.7,	341.3,	189.9,	-176.7,	-34.6,
17	13.7,	339.6,	138.4,	-144.2,	-48.4,	18	13.7,	333.6,	101.5,	-118.1,	-60.0,
19	13.7,	341.4,	154.2,	-131.5,	-69.9,	20	13.7,	340.1,	204.2,	-143.1,	-78.2,
21	13.7,	328.4,	248.8,	-150.9,	-84.1,	22	13.7,	306.8,	285.7,	-154.1,	-87.5,
23	13.7,	275.8,	314.0,	-152.7,	-88.2,	24	13.7,	236.4,	332.7,	-146.6,	-86.3,
25	13.7,	189.9,	341.3,	-136.0,	-81.7,	26	13.7,	138.4,	339.6,	-121.4,	-75.0,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-100.8,	-54.5,
29	13.7,	204.2,	340.1,	-91.9,	-41.0,	30	13.7,	248.8,	328.4,	-80.1,	-26.5,
31	13.7,	285.7,	306.8,	-65.9,	-11.3,	32	13.7,	314.0,	275.8,	-49.6,	4.3,
33	13.7,	332.7,	236.4,	-31.9,	19.8,	34	13.7,	341.3,	189.9,	-13.2,	34.6,
35	13.7,	339.6,	138.4,	5.9,	48.4,	36	13.7,	333.6,	101.5,	16.6,	60.0,

SOURCE ID: TTP60

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-23.0,	72.8,	2	13.7,	340.1,	204.2,	-62.0,	81.0,
3	13.7,	328.4,	248.8,	-99.2,	86.7,	4	13.7,	306.8,	285.7,	-133.4,	89.8,
5	13.7,	275.8,	314.0,	-163.5,	90.2,	6	13.7,	236.4,	332.7,	-188.6,	87.9,
7	13.7,	189.9,	341.3,	-208.0,	82.8,	8	13.7,	138.4,	339.6,	-221.1,	75.7,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-243.5,	54.1,
11	13.7,	204.2,	340.1,	-251.0,	40.1,	12	13.7,	248.8,	328.4,	-250.9,	25.2,
13	13.7,	285.7,	306.8,	-243.2,	9.5,	14	13.7,	314.0,	275.8,	-228.1,	-6.5,
15	13.7,	332.7,	236.4,	-206.1,	-22.2,	16	13.7,	341.3,	189.9,	-177.8,	-37.3,
17	13.7,	339.6,	138.4,	-144.9,	-51.3,	18	13.7,	333.6,	101.5,	-118.2,	-62.9,
19	13.7,	341.4,	154.2,	-131.2,	-72.8,	20	13.7,	340.1,	204.2,	-142.2,	-81.0,
21	13.7,	328.4,	248.8,	-149.6,	-86.7,	22	13.7,	306.8,	285.7,	-152.4,	-89.8,
23	13.7,	275.8,	314.0,	-150.5,	-90.2,	24	13.7,	236.4,	332.7,	-144.1,	-87.9,
25	13.7,	189.9,	341.3,	-133.3,	-82.8,	26	13.7,	138.4,	339.6,	-118.5,	-75.7,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-98.0,	-54.1,
29	13.7,	204.2,	340.1,	-89.1,	-40.1,	30	13.7,	248.8,	328.4,	-77.5,	-25.2,
31	13.7,	285.7,	306.8,	-63.5,	-9.5,	32	13.7,	314.0,	275.8,	-47.7,	6.5,
33	13.7,	332.7,	236.4,	-30.4,	22.2,	34	13.7,	341.3,	189.9,	-12.1,	37.3,
35	13.7,	339.6,	138.4,	6.5,	51.3,	36	13.7,	333.6,	101.5,	16.8,	62.9,

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 Sprechels\15639 Ops HRA\1 \*\*\*      09/20/24  
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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    URBAN    ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: TTP61

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-23.4,	76.0,	2	13.7,	340.1,	204.2,	-63.0,	84.1,
3	13.7,	328.4,	248.8,	-100.8,	89.6,	4	13.7,	306.8,	285.7,	-135.4,	92.4,
5	13.7,	275.8,	314.0,	-165.9,	92.4,	6	13.7,	236.4,	332.7,	-191.4,	89.6,
7	13.7,	189.9,	341.3,	-211.0,	84.1,	8	0.0,	0.0,	0.0,	0.0,	0.0,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-246.7,	53.6,

11	13.7,	204.2,	340.1,	-254.1,	39.1,	12	13.7,	248.8,	328.4,	-253.8,	23.6,
13	13.7,	285.7,	306.8,	-245.8,	7.5,	14	13.7,	314.0,	275.8,	-230.3,	-8.9,
15	13.7,	332.7,	236.4,	-207.8,	-25.0,	16	13.7,	341.3,	189.9,	-179.0,	-40.4,
17	13.7,	339.6,	138.4,	-145.5,	-54.5,	18	13.7,	333.6,	101.5,	-118.3,	-66.2,
19	13.7,	341.4,	154.2,	-130.7,	-76.0,	20	13.7,	340.1,	204.2,	-141.2,	-84.1,
21	13.7,	328.4,	248.8,	-148.0,	-89.6,	22	13.7,	306.8,	285.7,	-150.3,	-92.4,
23	13.7,	275.8,	314.0,	-148.1,	-92.4,	24	13.7,	236.4,	332.7,	-141.3,	-89.6,
25	13.7,	189.9,	341.3,	-130.3,	-84.1,	26	0.0,	0.0,	0.0,	0.0,	0.0,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-94.7,	-53.6,
29	13.7,	204.2,	340.1,	-85.9,	-39.1,	30	13.7,	248.8,	328.4,	-74.6,	-23.6,
31	13.7,	285.7,	306.8,	-60.9,	-7.5,	32	13.7,	314.0,	275.8,	-45.5,	8.9,
33	13.7,	332.7,	236.4,	-28.6,	25.0,	34	13.7,	341.3,	189.9,	-10.9,	40.4,
35	13.7,	339.6,	138.4,	7.2,	54.5,	36	13.7,	333.6,	101.5,	16.9,	66.2,

SOURCE ID: TTP62

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-24.1,	78.9,	2	13.7,	340.1,	204.2,	-64.2,	86.8,
3	13.7,	328.4,	248.8,	-102.3,	92.1,	4	13.7,	306.8,	285.7,	-137.4,	94.6,
5	13.7,	275.8,	314.0,	-168.2,	94.2,	6	13.7,	236.4,	332.7,	-194.0,	91.0,
7	13.7,	189.9,	341.3,	-213.8,	85.0,	8	0.0,	0.0,	0.0,	0.0,	0.0,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-249.6,	53.0,
11	13.7,	204.2,	340.1,	-256.8,	37.9,	12	13.7,	248.8,	328.4,	-256.3,	22.1,
13	13.7,	285.7,	306.8,	-248.0,	5.5,	14	13.7,	314.0,	275.8,	-232.1,	-11.2,
15	13.7,	332.7,	236.4,	-209.2,	-27.6,	16	13.7,	341.3,	189.9,	-179.9,	-43.2,
17	13.7,	339.6,	138.4,	-145.9,	-57.4,	18	13.7,	333.6,	101.5,	-118.2,	-69.2,
19	13.7,	341.4,	154.2,	-130.1,	-78.9,	20	13.7,	340.1,	204.2,	-140.1,	-86.8,
21	13.7,	328.4,	248.8,	-146.4,	-92.1,	22	13.7,	306.8,	285.7,	-148.4,	-94.6,
23	13.7,	275.8,	314.0,	-145.8,	-94.2,	24	13.7,	236.4,	332.7,	-138.7,	-91.0,
25	13.7,	189.9,	341.3,	-127.5,	-85.0,	26	0.0,	0.0,	0.0,	0.0,	0.0,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-91.8,	-53.0,
29	13.7,	204.2,	340.1,	-83.2,	-37.9,	30	13.7,	248.8,	328.4,	-72.1,	-22.1,
31	13.7,	285.7,	306.8,	-58.8,	-5.5,	32	13.7,	314.0,	275.8,	-43.7,	11.2,
33	13.7,	332.7,	236.4,	-27.2,	27.6,	34	13.7,	341.3,	189.9,	-10.0,	43.2,
35	13.7,	339.6,	138.4,	7.6,	57.4,	36	13.7,	333.6,	101.5,	16.8,	69.2,

SOURCE ID: TTP63

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-24.6,	81.9,	2	13.7,	340.1,	204.2,	-65.2,	89.7,
3	13.7,	328.4,	248.8,	-103.8,	94.7,	4	13.7,	306.8,	285.7,	-139.3,	96.9,
5	13.7,	275.8,	314.0,	-170.5,	96.2,	6	13.7,	236.4,	332.7,	-196.6,	92.5,
7	13.7,	189.9,	341.3,	-216.7,	86.0,	8	0.0,	0.0,	0.0,	0.0,	0.0,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-252.6,	52.5,
11	13.7,	204.2,	340.1,	-259.7,	36.9,	12	13.7,	248.8,	328.4,	-258.9,	20.5,
13	13.7,	285.7,	306.8,	-250.3,	3.5,	14	13.7,	314.0,	275.8,	-234.1,	-13.6,
15	13.7,	332.7,	236.4,	-210.7,	-30.2,	16	13.7,	341.3,	189.9,	-181.0,	-46.0,
17	13.7,	339.6,	138.4,	-146.5,	-60.4,	18	13.7,	333.6,	101.5,	-118.2,	-72.2,
19	13.7,	341.4,	154.2,	-129.6,	-81.9,	20	13.7,	340.1,	204.2,	-139.0,	-89.7,
21	13.7,	328.4,	248.8,	-144.9,	-94.7,	22	13.7,	306.8,	285.7,	-146.4,	-96.9,
23	13.7,	275.8,	314.0,	-143.4,	-96.2,	24	13.7,	236.4,	332.7,	-136.1,	-92.5,
25	13.7,	189.9,	341.3,	-124.6,	-86.0,	26	0.0,	0.0,	0.0,	0.0,	0.0,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-88.8,	-52.5,
29	13.7,	204.2,	340.1,	-80.4,	-36.9,	30	13.7,	248.8,	328.4,	-69.5,	-20.5,
31	13.7,	285.7,	306.8,	-56.4,	-3.5,	32	13.7,	314.0,	275.8,	-41.7,	13.6,
33	13.7,	332.7,	236.4,	-25.7,	30.2,	34	13.7,	341.3,	189.9,	-8.9,	46.0,
35	13.7,	339.6,	138.4,	8.1,	60.4,	36	13.7,	333.6,	101.5,	16.8,	72.2,

SOURCE ID: TTP64

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-25.4,	85.0,	2	13.7,	340.1,	204.2,	-66.5,	92.6,
3	13.7,	328.4,	248.8,	-105.6,	97.4,	4	13.7,	306.8,	285.7,	-141.5,	99.2,
5	13.7,	275.8,	314.0,	-173.1,	98.0,	6	13.7,	236.4,	332.7,	-199.5,	93.9,
7	13.7,	189.9,	341.3,	-219.7,	86.8,	8	0.0,	0.0,	0.0,	0.0,	0.0,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-255.7,	51.7,

11	13.7,	204.2,	340.1,	-262.6,	35.6,	12	13.7,	248.8,	328.4,	-261.6,	18.7,
13	13.7,	285.7,	306.8,	-252.6,	1.3,	14	13.7,	314.0,	275.8,	-235.9,	-16.2,
15	13.7,	332.7,	236.4,	-212.1,	-33.1,	16	13.7,	341.3,	189.9,	-181.8,	-49.1,
17	13.7,	339.6,	138.4,	-146.8,	-63.6,	18	13.7,	333.6,	101.5,	-118.0,	-75.4,
19	13.7,	341.4,	154.2,	-128.8,	-85.0,	20	13.7,	340.1,	204.2,	-137.7,	-92.6,
21	13.7,	328.4,	248.8,	-143.1,	-97.4,	22	13.7,	306.8,	285.7,	-144.2,	-99.2,
23	13.7,	275.8,	314.0,	-140.8,	-98.0,	24	13.7,	236.4,	332.7,	-133.2,	-93.9,
25	13.7,	189.9,	341.3,	-121.6,	-86.8,	26	0.0,	0.0,	0.0,	0.0,	0.0,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-85.8,	-51.7,
29	13.7,	204.2,	340.1,	-77.5,	-35.6,	30	13.7,	248.8,	328.4,	-66.8,	-18.7,
31	13.7,	285.7,	306.8,	-54.2,	-1.3,	32	13.7,	314.0,	275.8,	-39.9,	16.2,
33	13.7,	332.7,	236.4,	-24.4,	33.1,	34	13.7,	341.3,	189.9,	-8.1,	49.1,
35	13.7,	339.6,	138.4,	8.4,	63.6,	36	13.7,	333.6,	101.5,	16.5,	75.4,

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: TTP65

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-26.1,	87.9,	2	13.7,	340.1,	204.2,	-67.7,	95.4,
3	13.7,	328.4,	248.8,	-107.3,	99.9,	4	13.7,	306.8,	285.7,	-143.6,	101.4,
5	13.7,	275.8,	314.0,	-175.5,	99.9,	6	13.7,	236.4,	332.7,	-202.2,	95.3,
7	13.7,	189.9,	341.3,	-222.6,	87.8,	8	0.0,	0.0,	0.0,	0.0,	0.0,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-258.6,	51.0,
11	13.7,	204.2,	340.1,	-265.4,	34.4,	12	13.7,	248.8,	328.4,	-264.1,	17.1,
13	13.7,	285.7,	306.8,	-254.8,	-0.7,	14	13.7,	314.0,	275.8,	-237.8,	-18.6,
15	13.7,	332.7,	236.4,	-213.5,	-35.8,	16	13.7,	341.3,	189.9,	-182.7,	-52.0,
17	13.7,	339.6,	138.4,	-147.2,	-66.6,	18	13.7,	333.6,	101.5,	-117.8,	-78.4,
19	13.7,	341.4,	154.2,	-128.1,	-87.9,	20	13.7,	340.1,	204.2,	-136.6,	-95.4,
21	13.7,	328.4,	248.8,	-141.5,	-99.9,	22	13.7,	306.8,	285.7,	-142.1,	-101.4,
23	13.7,	275.8,	314.0,	-138.4,	-99.9,	24	13.7,	236.4,	332.7,	-130.5,	-95.3,
25	13.7,	189.9,	341.3,	-118.7,	-87.8,	26	0.0,	0.0,	0.0,	0.0,	0.0,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-82.8,	-51.0,
29	13.7,	204.2,	340.1,	-74.7,	-34.4,	30	13.7,	248.8,	328.4,	-64.3,	-17.1,
31	13.7,	285.7,	306.8,	-51.9,	0.7,	32	13.7,	314.0,	275.8,	-38.0,	18.6,
33	13.7,	332.7,	236.4,	-22.9,	35.8,	34	13.7,	341.3,	189.9,	-7.2,	52.0,
35	13.7,	339.6,	138.4,	8.8,	66.6,	36	13.7,	333.6,	101.5,	16.4,	78.4,

SOURCE ID: TTP66

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-26.4,	90.8,	2	13.7,	340.1,	204.2,	-68.6,	98.2,
3	13.7,	328.4,	248.8,	-108.6,	102.5,	4	13.7,	306.8,	285.7,	-145.4,	103.8,
5	13.7,	275.8,	314.0,	-177.7,	101.8,	6	13.7,	236.4,	332.7,	-204.6,	96.8,
7	13.7,	189.9,	341.3,	-225.3,	88.9,	8	0.0,	0.0,	0.0,	0.0,	0.0,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-261.5,	50.6,
11	13.7,	204.2,	340.1,	-268.2,	33.6,	12	13.7,	248.8,	328.4,	-266.7,	15.8,
13	13.7,	285.7,	306.8,	-257.1,	-2.5,	14	13.7,	314.0,	275.8,	-239.7,	-20.7,
15	13.7,	332.7,	236.4,	-215.1,	-38.3,	16	13.7,	341.3,	189.9,	-183.8,	-54.7,
17	13.7,	339.6,	138.4,	-147.8,	-69.4,	18	13.7,	333.6,	101.5,	-118.0,	-81.3,
19	13.7,	341.4,	154.2,	-127.7,	-90.8,	20	13.7,	340.1,	204.2,	-135.7,	-98.2,
21	13.7,	328.4,	248.8,	-140.1,	-102.5,	22	13.7,	306.8,	285.7,	-140.3,	-103.8,
23	13.7,	275.8,	314.0,	-136.3,	-101.8,	24	13.7,	236.4,	332.7,	-128.1,	-96.8,
25	13.7,	189.9,	341.3,	-116.0,	-88.9,	26	0.0,	0.0,	0.0,	0.0,	0.0,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-79.9,	-50.6,
29	13.7,	204.2,	340.1,	-71.9,	-33.6,	30	13.7,	248.8,	328.4,	-61.7,	-15.8,
31	13.7,	285.7,	306.8,	-49.6,	2.5,	32	13.7,	314.0,	275.8,	-36.0,	20.7,
33	13.7,	332.7,	236.4,	-21.4,	38.3,	34	13.7,	341.3,	189.9,	-6.1,	54.7,

35 13.7, 339.6, 138.4, 9.5, 69.4, 36 13.7, 333.6, 101.5, 16.5, 81.3,

SOURCE ID: TTP67

Table with 12 columns: IFV, BH, BW, BL, XADJ, YADJ, IFV, BH, BW, BL, XADJ, YADJ. Rows 1-35 for TTP67 and 2-36 for TTP67.

SOURCE ID: TTP68

Table with 12 columns: IFV, BH, BW, BL, XADJ, YADJ, IFV, BH, BW, BL, XADJ, YADJ. Rows 1-35 for TTP68 and 2-36 for TTP68.

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: TTP69

Table with 12 columns: IFV, BH, BW, BL, XADJ, YADJ, IFV, BH, BW, BL, XADJ, YADJ. Rows 1-13 for TTP69 and 2-14 for TTP69.

15	13.7,	332.7,	236.4,	-219.2,	-46.3,	16	13.7,	341.3,	189.9,	-186.6,	-63.3,
17	13.7,	339.6,	138.4,	-149.0,	-78.4,	18	13.7,	333.6,	101.5,	-117.6,	-90.3,
19	13.7,	341.4,	154.2,	-125.8,	-99.6,	20	13.7,	340.1,	204.2,	-132.3,	-106.5,
21	13.7,	328.4,	248.8,	-135.3,	-110.1,	22	13.7,	306.8,	285.7,	-134.3,	-110.4,
23	13.7,	275.8,	314.0,	-129.1,	-107.4,	24	13.7,	236.4,	332.7,	-120.1,	-101.0,
25	13.7,	189.9,	341.3,	-107.4,	-91.6,	26	0.0,	0.0,	0.0,	0.0,	0.0,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-71.1,	-48.7,
29	13.7,	204.2,	340.1,	-63.5,	-30.1,	30	13.7,	248.8,	328.4,	-54.1,	-10.9,
31	13.7,	285.7,	306.8,	-42.9,	8.6,	32	13.7,	314.0,	275.8,	-30.5,	27.8,
33	13.7,	332.7,	236.4,	-17.2,	46.3,	34	13.7,	341.3,	189.9,	-3.3,	63.3,
35	13.7,	339.6,	138.4,	10.7,	78.4,	36	13.7,	333.6,	101.5,	16.1,	90.3,

SOURCE ID: TTP70

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-29.2,	102.7,	2	13.7,	340.1,	204.2,	-73.3,	109.4,
3	13.7,	328.4,	248.8,	-115.2,	112.8,	4	13.7,	306.8,	285.7,	-153.7,	112.7,
5	13.7,	275.8,	314.0,	-187.4,	109.2,	6	13.7,	236.4,	332.7,	-215.5,	102.4,
7	13.7,	189.9,	341.3,	-237.0,	92.5,	8	0.0,	0.0,	0.0,	0.0,	0.0,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-273.4,	47.9,
11	13.7,	204.2,	340.1,	-279.4,	28.8,	12	13.7,	248.8,	328.4,	-277.0,	9.1,
13	13.7,	285.7,	306.8,	-266.1,	-10.8,	14	13.7,	314.0,	275.8,	-247.1,	-30.4,
15	13.7,	332.7,	236.4,	-220.6,	-49.1,	16	13.7,	341.3,	189.9,	-187.4,	-66.3,
17	13.7,	339.6,	138.4,	-149.3,	-81.5,	18	13.7,	333.6,	101.5,	-117.3,	-93.5,
19	13.7,	341.4,	154.2,	-125.0,	-102.7,	20	13.7,	340.1,	204.2,	-130.9,	-109.4,
21	13.7,	328.4,	248.8,	-133.5,	-112.8,	22	13.7,	306.8,	285.7,	-132.0,	-112.7,
23	13.7,	275.8,	314.0,	-126.5,	-109.2,	24	13.7,	236.4,	332.7,	-117.2,	-102.4,
25	13.7,	189.9,	341.3,	-104.3,	-92.5,	26	0.0,	0.0,	0.0,	0.0,	0.0,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-68.0,	-47.9,
29	13.7,	204.2,	340.1,	-60.6,	-28.8,	30	13.7,	248.8,	328.4,	-51.4,	-9.1,
31	13.7,	285.7,	306.8,	-40.7,	10.8,	32	13.7,	314.0,	275.8,	-28.7,	30.4,
33	13.7,	332.7,	236.4,	-15.8,	49.1,	34	13.7,	341.3,	189.9,	-2.5,	66.3,
35	13.7,	339.6,	138.4,	11.0,	81.5,	36	13.7,	333.6,	101.5,	15.9,	93.5,

SOURCE ID: TTP71

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-29.8,	105.7,	2	13.7,	340.1,	204.2,	-74.5,	112.2,
3	13.7,	328.4,	248.8,	-116.9,	115.3,	4	13.7,	306.8,	285.7,	-155.7,	115.0,
5	13.7,	275.8,	314.0,	-189.8,	111.1,	6	13.7,	236.4,	332.7,	-218.2,	103.8,
7	13.7,	189.9,	341.3,	-239.9,	93.4,	8	0.0,	0.0,	0.0,	0.0,	0.0,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-276.4,	47.3,
11	13.7,	204.2,	340.1,	-282.2,	27.7,	12	13.7,	248.8,	328.4,	-279.5,	7.5,
13	13.7,	285.7,	306.8,	-268.3,	-12.9,	14	13.7,	314.0,	275.8,	-249.0,	-32.8,
15	13.7,	332.7,	236.4,	-222.0,	-51.8,	16	13.7,	341.3,	189.9,	-188.4,	-69.2,
17	13.7,	339.6,	138.4,	-149.7,	-84.5,	18	13.7,	333.6,	101.5,	-117.2,	-96.6,
19	13.7,	341.4,	154.2,	-124.4,	-105.7,	20	13.7,	340.1,	204.2,	-129.8,	-112.2,
21	13.7,	328.4,	248.8,	-131.9,	-115.3,	22	13.7,	306.8,	285.7,	-130.0,	-115.0,
23	13.7,	275.8,	314.0,	-124.1,	-111.1,	24	13.7,	236.4,	332.7,	-114.5,	-103.8,
25	13.7,	189.9,	341.3,	-101.4,	-93.4,	26	0.0,	0.0,	0.0,	0.0,	0.0,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-65.0,	-47.3,
29	13.7,	204.2,	340.1,	-57.8,	-27.7,	30	13.7,	248.8,	328.4,	-48.9,	-7.5,
31	13.7,	285.7,	306.8,	-38.4,	12.9,	32	13.7,	314.0,	275.8,	-26.8,	32.8,
33	13.7,	332.7,	236.4,	-14.4,	51.8,	34	13.7,	341.3,	189.9,	-1.5,	69.2,
35	13.7,	339.6,	138.4,	11.4,	84.5,	36	13.7,	333.6,	101.5,	15.8,	96.6,

SOURCE ID: TTP72

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-30.2,	108.6,	2	13.7,	340.1,	204.2,	-75.3,	115.0,
3	13.7,	328.4,	248.8,	-118.2,	117.9,	4	13.7,	306.8,	285.7,	-157.5,	117.3,
5	13.7,	275.8,	314.0,	-192.0,	113.0,	6	13.7,	236.4,	332.7,	-220.7,	105.4,
7	13.7,	189.9,	341.3,	-242.6,	94.5,	8	0.0,	0.0,	0.0,	0.0,	0.0,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-279.3,	46.9,
11	13.7,	204.2,	340.1,	-285.0,	26.8,	12	13.7,	248.8,	328.4,	-282.1,	6.2,
13	13.7,	285.7,	306.8,	-270.6,	-14.7,	14	13.7,	314.0,	275.8,	-250.9,	-35.0,

15	13.7,	332.7,	236.4,	-223.6,	-54.3,	16	13.7,	341.3,	189.9,	-189.5,	-72.0,
17	13.7,	339.6,	138.4,	-150.4,	-87.4,	18	13.7,	333.6,	101.5,	-117.3,	-99.5,
19	13.7,	341.4,	154.2,	-124.0,	-108.6,	20	13.7,	340.1,	204.2,	-128.9,	-115.0,
21	13.7,	328.4,	248.8,	-130.5,	-117.9,	22	13.7,	306.8,	285.7,	-128.2,	-117.3,
23	13.7,	275.8,	314.0,	-122.0,	-113.0,	24	13.7,	236.4,	332.7,	-112.0,	-105.4,
25	13.7,	189.9,	341.3,	-98.7,	-94.5,	26	0.0,	0.0,	0.0,	0.0,	0.0,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-62.1,	-46.9,
29	13.7,	204.2,	340.1,	-55.0,	-26.8,	30	13.7,	248.8,	328.4,	-46.3,	-6.2,
31	13.7,	285.7,	306.8,	-36.1,	14.7,	32	13.7,	314.0,	275.8,	-24.8,	35.0,
33	13.7,	332.7,	236.4,	-12.8,	54.3,	34	13.7,	341.3,	189.9,	-0.4,	72.0,
35	13.7,	339.6,	138.4,	12.0,	87.4,	36	13.7,	333.6,	101.5,	15.9,	99.5,

\*\*\* AERMOD - VERSION 23132 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\15639  
 Spreckels\15639 Ops HRA\1 \*\*\*      09/20/24  
 \*\*\* AERMET - VERSION 21112 \*\*\*  
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\*\*\* 11:04:36

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    URBAN    ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: TTP73

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-30.9,	111.7,	2	13.7,	340.1,	204.2,	-76.5,	117.9,
3	13.7,	328.4,	248.8,	-119.9,	120.6,	4	13.7,	306.8,	285.7,	-159.6,	119.6,
5	13.7,	275.8,	314.0,	-194.5,	115.0,	6	13.7,	236.4,	332.7,	-223.5,	106.9,
7	13.7,	189.9,	341.3,	-245.6,	95.5,	8	0.0,	0.0,	0.0,	0.0,	0.0,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-282.4,	46.2,
11	13.7,	204.2,	340.1,	-288.0,	25.6,	12	13.7,	248.8,	328.4,	-284.8,	4.5,
13	13.7,	285.7,	306.8,	-273.0,	-16.8,	14	13.7,	314.0,	275.8,	-252.9,	-37.5,
15	13.7,	332.7,	236.4,	-225.1,	-57.1,	16	13.7,	341.3,	189.9,	-190.4,	-75.0,
17	13.7,	339.6,	138.4,	-150.8,	-90.5,	18	13.7,	333.6,	101.5,	-117.2,	-102.6,
19	13.7,	341.4,	154.2,	-123.3,	-111.7,	20	13.7,	340.1,	204.2,	-127.7,	-117.9,
21	13.7,	328.4,	248.8,	-128.9,	-120.6,	22	13.7,	306.8,	285.7,	-126.1,	-119.6,
23	13.7,	275.8,	314.0,	-119.5,	-115.0,	24	13.7,	236.4,	332.7,	-109.2,	-106.9,
25	13.7,	189.9,	341.3,	-95.7,	-95.5,	26	0.0,	0.0,	0.0,	0.0,	0.0,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-59.0,	-46.2,
29	13.7,	204.2,	340.1,	-52.1,	-25.6,	30	13.7,	248.8,	328.4,	-43.6,	-4.5,
31	13.7,	285.7,	306.8,	-33.8,	16.8,	32	13.7,	314.0,	275.8,	-22.9,	37.5,
33	13.7,	332.7,	236.4,	-11.4,	57.1,	34	13.7,	341.3,	189.9,	0.6,	75.0,
35	13.7,	339.6,	138.4,	12.4,	90.5,	36	13.7,	333.6,	101.5,	15.8,	102.6,

SOURCE ID: TTP74

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-31.5,	114.5,	2	13.7,	340.1,	204.2,	-77.7,	120.6,
3	13.7,	328.4,	248.8,	-121.5,	123.1,	4	13.7,	306.8,	285.7,	-161.6,	121.8,
5	13.7,	275.8,	314.0,	-196.8,	116.8,	6	13.7,	236.4,	332.7,	-226.1,	108.2,
7	13.7,	189.9,	341.3,	-248.4,	96.4,	8	0.0,	0.0,	0.0,	0.0,	0.0,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-285.2,	45.6,
11	13.7,	204.2,	340.1,	-290.7,	24.5,	12	13.7,	248.8,	328.4,	-287.3,	2.9,
13	13.7,	285.7,	306.8,	-275.2,	-18.8,	14	13.7,	314.0,	275.8,	-254.7,	-39.8,
15	13.7,	332.7,	236.4,	-226.4,	-59.7,	16	13.7,	341.3,	189.9,	-191.3,	-77.8,
17	13.7,	339.6,	138.4,	-151.2,	-93.5,	18	13.7,	333.6,	101.5,	-117.1,	-105.6,
19	13.7,	341.4,	154.2,	-122.7,	-114.5,	20	13.7,	340.1,	204.2,	-126.6,	-120.6,
21	13.7,	328.4,	248.8,	-127.3,	-123.1,	22	13.7,	306.8,	285.7,	-124.1,	-121.8,
23	13.7,	275.8,	314.0,	-117.2,	-116.8,	24	13.7,	236.4,	332.7,	-106.6,	-108.2,
25	13.7,	189.9,	341.3,	-92.9,	-96.4,	26	0.0,	0.0,	0.0,	0.0,	0.0,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-56.2,	-45.6,
29	13.7,	204.2,	340.1,	-49.4,	-24.5,	30	13.7,	248.8,	328.4,	-41.1,	-2.9,
31	13.7,	285.7,	306.8,	-31.6,	18.8,	32	13.7,	314.0,	275.8,	-21.1,	39.8,
33	13.7,	332.7,	236.4,	-10.0,	59.7,	34	13.7,	341.3,	189.9,	1.4,	77.8,
35	13.7,	339.6,	138.4,	12.8,	93.5,	36	13.7,	333.6,	101.5,	15.7,	105.6,



SOURCE ID: TTP75

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-32.0,	117.5,	2	13.7,	340.1,	204.2,	-78.7,	123.5,
3	13.7,	328.4,	248.8,	-123.0,	125.7,	4	13.7,	306.8,	285.7,	-163.6,	124.1,
5	13.7,	275.8,	314.0,	-199.1,	118.7,	6	13.7,	236.4,	332.7,	-228.7,	109.7,
7	13.7,	189.9,	341.3,	-251.3,	97.4,	8	0.0,	0.0,	0.0,	0.0,	0.0,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-288.2,	45.1,
11	13.7,	204.2,	340.1,	-293.5,	23.4,	12	13.7,	248.8,	328.4,	-289.9,	1.4,
13	13.7,	285.7,	306.8,	-277.5,	-20.7,	14	13.7,	314.0,	275.8,	-256.6,	-42.2,
15	13.7,	332.7,	236.4,	-228.0,	-62.3,	16	13.7,	341.3,	189.9,	-192.4,	-80.6,
17	13.7,	339.6,	138.4,	-151.7,	-96.4,	18	13.7,	333.6,	101.5,	-117.1,	-108.6,
19	13.7,	341.4,	154.2,	-122.1,	-117.5,	20	13.7,	340.1,	204.2,	-125.5,	-123.5,
21	13.7,	328.4,	248.8,	-125.8,	-125.7,	22	13.7,	306.8,	285.7,	-122.1,	-124.1,
23	13.7,	275.8,	314.0,	-114.8,	-118.7,	24	13.7,	236.4,	332.7,	-104.0,	-109.7,
25	13.7,	189.9,	341.3,	-90.0,	-97.4,	26	0.0,	0.0,	0.0,	0.0,	0.0,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-53.2,	-45.1,
29	13.7,	204.2,	340.1,	-46.5,	-23.4,	30	13.7,	248.8,	328.4,	-38.5,	-1.4,
31	13.7,	285.7,	306.8,	-29.3,	20.7,	32	13.7,	314.0,	275.8,	-19.2,	42.2,
33	13.7,	332.7,	236.4,	-8.5,	62.3,	34	13.7,	341.3,	189.9,	2.5,	80.6,
35	13.7,	339.6,	138.4,	13.4,	96.4,	36	13.7,	333.6,	101.5,	15.7,	108.6,

SOURCE ID: TTP76

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-32.8,	120.6,	2	13.7,	340.1,	204.2,	-80.0,	126.4,
3	13.7,	328.4,	248.8,	-124.8,	128.3,	4	13.7,	306.8,	285.7,	-165.8,	126.4,
5	13.7,	275.8,	314.0,	-201.7,	120.6,	6	13.7,	236.4,	332.7,	-231.5,	111.1,
7	13.7,	189.9,	341.3,	-254.3,	98.3,	8	0.0,	0.0,	0.0,	0.0,	0.0,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-291.3,	44.3,
11	13.7,	204.2,	340.1,	-296.4,	22.1,	12	13.7,	248.8,	328.4,	-292.5,	-0.4,
13	13.7,	285.7,	306.8,	-279.8,	-22.9,	14	13.7,	314.0,	275.8,	-258.5,	-44.7,
15	13.7,	332.7,	236.4,	-229.3,	-65.2,	16	13.7,	341.3,	189.9,	-193.2,	-83.7,
17	13.7,	339.6,	138.4,	-152.0,	-99.6,	18	13.7,	333.6,	101.5,	-116.9,	-111.8,
19	13.7,	341.4,	154.2,	-121.4,	-120.6,	20	13.7,	340.1,	204.2,	-124.2,	-126.4,
21	13.7,	328.4,	248.8,	-124.0,	-128.3,	22	13.7,	306.8,	285.7,	-119.9,	-126.4,
23	13.7,	275.8,	314.0,	-112.2,	-120.6,	24	13.7,	236.4,	332.7,	-101.1,	-111.1,
25	13.7,	189.9,	341.3,	-87.0,	-98.3,	26	0.0,	0.0,	0.0,	0.0,	0.0,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-50.1,	-44.3,
29	13.7,	204.2,	340.1,	-43.6,	-22.1,	30	13.7,	248.8,	328.4,	-35.9,	0.4,
31	13.7,	285.7,	306.8,	-27.0,	22.9,	32	13.7,	314.0,	275.8,	-17.3,	44.7,
33	13.7,	332.7,	236.4,	-7.1,	65.2,	34	13.7,	341.3,	189.9,	3.3,	83.7,
35	13.7,	339.6,	138.4,	13.7,	99.6,	36	13.7,	333.6,	101.5,	15.4,	111.8,

E \*\*\* AERMOD - VERSION 23132 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\15639  
 Spreckels\15639 Ops HRA\1 \*\*\*      09/20/24  
 \*\*\* AERMET - VERSION 21112 \*\*\*  
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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    URBAN    ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: TTP77

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-33.4,	123.6,	2	13.7,	340.1,	204.2,	-81.2,	129.2,
3	13.7,	328.4,	248.8,	-126.4,	130.9,	4	13.7,	306.8,	285.7,	-167.8,	128.6,
5	13.7,	275.8,	314.0,	-204.1,	122.4,	6	13.7,	236.4,	332.7,	-234.2,	112.5,
7	13.7,	189.9,	341.3,	-257.2,	99.2,	8	0.0,	0.0,	0.0,	0.0,	0.0,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-294.3,	43.6,
11	13.7,	204.2,	340.1,	-299.2,	21.0,	12	13.7,	248.8,	328.4,	-295.1,	-2.0,
13	13.7,	285.7,	306.8,	-282.0,	-25.0,	14	13.7,	314.0,	275.8,	-260.3,	-47.1,
15	13.7,	332.7,	236.4,	-230.7,	-67.9,	16	13.7,	341.3,	189.9,	-194.2,	-86.6,
17	13.7,	339.6,	138.4,	-152.4,	-102.6,	18	13.7,	333.6,	101.5,	-116.7,	-114.8,

19	13.7,	341.4,	154.2,	-120.7,	-123.6,	20	13.7,	340.1,	204.2,	-123.1,	-129.2,
21	13.7,	328.4,	248.8,	-122.3,	-130.9,	22	13.7,	306.8,	285.7,	-117.9,	-128.6,
23	13.7,	275.8,	314.0,	-109.8,	-122.4,	24	13.7,	236.4,	332.7,	-98.5,	-112.5,
25	13.7,	189.9,	341.3,	-84.1,	-99.2,	26	0.0,	0.0,	0.0,	0.0,	0.0,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-47.1,	-43.6,
29	13.7,	204.2,	340.1,	-40.8,	-21.0,	30	13.7,	248.8,	328.4,	-33.3,	2.0,
31	13.7,	285.7,	306.8,	-24.7,	25.0,	32	13.7,	314.0,	275.8,	-15.5,	47.1,
33	13.7,	332.7,	236.4,	-5.7,	67.9,	34	13.7,	341.3,	189.9,	4.2,	86.6,
35	13.7,	339.6,	138.4,	14.1,	102.6,	36	13.7,	333.6,	101.5,	15.3,	114.8,

SOURCE ID: TTP78

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-33.8,	126.5,	2	13.7,	340.1,	204.2,	-82.0,	132.0,
3	13.7,	328.4,	248.8,	-127.8,	133.5,	4	13.7,	306.8,	285.7,	-169.6,	131.0,
5	13.7,	275.8,	314.0,	-206.3,	124.4,	6	13.7,	236.4,	332.7,	-236.7,	114.1,
7	13.7,	189.9,	341.3,	-259.9,	100.3,	8	0.0,	0.0,	0.0,	0.0,	0.0,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-297.2,	43.2,
11	13.7,	204.2,	340.1,	-302.0,	20.1,	12	13.7,	248.8,	328.4,	-297.7,	-3.4,
13	13.7,	285.7,	306.8,	-284.3,	-26.8,	14	13.7,	314.0,	275.8,	-262.3,	-49.3,
15	13.7,	332.7,	236.4,	-232.3,	-70.4,	16	13.7,	341.3,	189.9,	-195.3,	-89.3,
17	13.7,	339.6,	138.4,	-153.1,	-105.5,	18	13.7,	333.6,	101.5,	-116.9,	-117.8,
19	13.7,	341.4,	154.2,	-120.3,	-126.5,	20	13.7,	340.1,	204.2,	-122.2,	-132.0,
21	13.7,	328.4,	248.8,	-121.0,	-133.5,	22	13.7,	306.8,	285.7,	-116.1,	-131.0,
23	13.7,	275.8,	314.0,	-107.7,	-124.4,	24	13.7,	236.4,	332.7,	-96.0,	-114.1,
25	13.7,	189.9,	341.3,	-81.4,	-100.3,	26	0.0,	0.0,	0.0,	0.0,	0.0,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-44.2,	-43.2,
29	13.7,	204.2,	340.1,	-38.0,	-20.1,	30	13.7,	248.8,	328.4,	-30.7,	3.4,
31	13.7,	285.7,	306.8,	-22.4,	26.8,	32	13.7,	314.0,	275.8,	-13.5,	49.3,
33	13.7,	332.7,	236.4,	-4.1,	70.4,	34	13.7,	341.3,	189.9,	5.4,	89.3,
35	13.7,	339.6,	138.4,	14.7,	105.5,	36	13.7,	333.6,	101.5,	15.4,	117.8,

SOURCE ID: TTP79

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-34.4,	129.2,	2	13.7,	340.1,	204.2,	-83.1,	134.6,
3	13.7,	328.4,	248.8,	-129.3,	135.9,	4	13.7,	306.8,	285.7,	-171.5,	133.0,
5	13.7,	275.8,	314.0,	-208.5,	126.1,	6	13.7,	236.4,	332.7,	-239.2,	115.4,
7	13.7,	189.9,	341.3,	-262.6,	101.2,	8	0.0,	0.0,	0.0,	0.0,	0.0,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-299.9,	42.6,
11	13.7,	204.2,	340.1,	-304.6,	19.0,	12	13.7,	248.8,	328.4,	-300.1,	-4.9,
13	13.7,	285.7,	306.8,	-286.4,	-28.7,	14	13.7,	314.0,	275.8,	-264.0,	-51.5,
15	13.7,	332.7,	236.4,	-233.6,	-72.8,	16	13.7,	341.3,	189.9,	-196.1,	-92.0,
17	13.7,	339.6,	138.4,	-153.4,	-108.3,	18	13.7,	333.6,	101.5,	-116.7,	-120.5,
19	13.7,	341.4,	154.2,	-119.7,	-129.2,	20	13.7,	340.1,	204.2,	-121.1,	-134.6,
21	13.7,	328.4,	248.8,	-119.5,	-135.9,	22	13.7,	306.8,	285.7,	-114.2,	-133.0,
23	13.7,	275.8,	314.0,	-105.5,	-126.1,	24	13.7,	236.4,	332.7,	-93.5,	-115.4,
25	13.7,	189.9,	341.3,	-78.7,	-101.2,	26	0.0,	0.0,	0.0,	0.0,	0.0,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-41.5,	-42.6,
29	13.7,	204.2,	340.1,	-35.4,	-19.0,	30	13.7,	248.8,	328.4,	-28.3,	4.9,
31	13.7,	285.7,	306.8,	-20.4,	28.7,	32	13.7,	314.0,	275.8,	-11.8,	51.5,
33	13.7,	332.7,	236.4,	-2.8,	72.8,	34	13.7,	341.3,	189.9,	6.2,	92.0,
35	13.7,	339.6,	138.4,	15.1,	108.3,	36	13.7,	333.6,	101.5,	15.3,	120.5,

SOURCE ID: TTP80

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-35.1,	132.1,	2	13.7,	340.1,	204.2,	-84.2,	137.3,
3	13.7,	328.4,	248.8,	-130.9,	138.3,	4	13.7,	306.8,	285.7,	-173.5,	135.2,
5	13.7,	275.8,	314.0,	-210.8,	127.9,	6	13.7,	236.4,	332.7,	-241.8,	116.8,
7	0.0,	0.0,	0.0,	0.0,	0.0,	8	0.0,	0.0,	0.0,	0.0,	0.0,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-302.8,	42.0,
11	13.7,	204.2,	340.1,	-307.3,	17.9,	12	13.7,	248.8,	328.4,	-302.5,	-6.5,
13	13.7,	285.7,	306.8,	-288.6,	-30.6,	14	13.7,	314.0,	275.8,	-265.8,	-53.8,
15	13.7,	332.7,	236.4,	-235.0,	-75.4,	16	13.7,	341.3,	189.9,	-197.0,	-94.7,
17	13.7,	339.6,	138.4,	-153.8,	-111.2,	18	13.7,	333.6,	101.5,	-116.6,	-123.5,

19	13.7,	341.4,	154.2,	-119.1,	-132.1,	20	13.7,	340.1,	204.2,	-120.0,	-137.3,
21	13.7,	328.4,	248.8,	-117.9,	-138.3,	22	13.7,	306.8,	285.7,	-112.2,	-135.2,
23	13.7,	275.8,	314.0,	-103.1,	-127.9,	24	13.7,	236.4,	332.7,	-90.9,	-116.8,
25	0.0,	0.0,	0.0,	0.0,	0.0,	26	0.0,	0.0,	0.0,	0.0,	0.0,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-38.6,	-42.0,
29	13.7,	204.2,	340.1,	-32.7,	-17.9,	30	13.7,	248.8,	328.4,	-25.9,	6.5,
31	13.7,	285.7,	306.8,	-18.2,	30.6,	32	13.7,	314.0,	275.8,	-10.0,	53.8,
33	13.7,	332.7,	236.4,	-1.5,	75.4,	34	13.7,	341.3,	189.9,	7.1,	94.7,
35	13.7,	339.6,	138.4,	15.4,	111.2,	36	13.7,	333.6,	101.5,	15.2,	123.5,

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: TTP81

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-35.6,	135.1,	2	13.7,	340.1,	204.2,	-85.3,	140.2,
3	13.7,	328.4,	248.8,	-132.4,	141.0,	4	13.7,	306.8,	285.7,	-175.4,	137.5,
5	13.7,	275.8,	314.0,	-213.2,	129.9,	6	13.7,	236.4,	332.7,	-244.4,	118.3,
7	0.0,	0.0,	0.0,	0.0,	0.0,	8	0.0,	0.0,	0.0,	0.0,	0.0,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-305.8,	41.5,
11	13.7,	204.2,	340.1,	-310.2,	16.9,	12	13.7,	248.8,	328.4,	-305.2,	-8.0,
13	13.7,	285.7,	306.8,	-290.9,	-32.6,	14	13.7,	314.0,	275.8,	-267.8,	-56.2,
15	13.7,	332.7,	236.4,	-236.5,	-78.1,	16	13.7,	341.3,	189.9,	-198.0,	-97.6,
17	13.7,	339.6,	138.4,	-154.3,	-114.2,	18	13.7,	333.6,	101.5,	-116.6,	-126.5,
19	13.7,	341.4,	154.2,	-118.5,	-135.1,	20	13.7,	340.1,	204.2,	-119.0,	-140.2,
21	13.7,	328.4,	248.8,	-116.4,	-141.0,	22	13.7,	306.8,	285.7,	-110.3,	-137.5,
23	13.7,	275.8,	314.0,	-100.8,	-129.9,	24	13.7,	236.4,	332.7,	-88.3,	-118.3,
25	0.0,	0.0,	0.0,	0.0,	0.0,	26	0.0,	0.0,	0.0,	0.0,	0.0,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-35.6,	-41.5,
29	13.7,	204.2,	340.1,	-29.9,	-16.9,	30	13.7,	248.8,	328.4,	-23.2,	8.0,
31	13.7,	285.7,	306.8,	-15.9,	32.6,	32	13.7,	314.0,	275.8,	-8.0,	56.2,
33	13.7,	332.7,	236.4,	0.1,	78.1,	34	13.7,	341.3,	189.9,	8.1,	97.6,
35	13.7,	339.6,	138.4,	16.0,	114.2,	36	13.7,	333.6,	101.5,	15.2,	126.5,

SOURCE ID: TTP82

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-36.4,	138.2,	2	13.7,	340.1,	204.2,	-86.6,	143.1,
3	13.7,	328.4,	248.8,	-134.2,	143.6,	4	13.7,	306.8,	285.7,	-177.7,	139.8,
5	13.7,	275.8,	314.0,	-215.8,	131.7,	6	13.7,	236.4,	332.7,	-247.3,	119.6,
7	0.0,	0.0,	0.0,	0.0,	0.0,	8	0.0,	0.0,	0.0,	0.0,	0.0,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-308.9,	40.7,
11	13.7,	204.2,	340.1,	-313.1,	15.5,	12	13.7,	248.8,	328.4,	-307.8,	-9.8,
13	13.7,	285.7,	306.8,	-293.2,	-34.8,	14	13.7,	314.0,	275.8,	-269.6,	-58.8,
15	13.7,	332.7,	236.4,	-237.9,	-80.9,	16	13.7,	341.3,	189.9,	-198.9,	-100.7,
17	13.7,	339.6,	138.4,	-154.6,	-117.3,	18	13.7,	333.6,	101.5,	-116.4,	-129.7,
19	13.7,	341.4,	154.2,	-117.8,	-138.2,	20	13.7,	340.1,	204.2,	-117.7,	-143.1,
21	13.7,	328.4,	248.8,	-114.6,	-143.6,	22	13.7,	306.8,	285.7,	-108.0,	-139.8,
23	13.7,	275.8,	314.0,	-98.2,	-131.7,	24	13.7,	236.4,	332.7,	-85.4,	-119.6,
25	0.0,	0.0,	0.0,	0.0,	0.0,	26	0.0,	0.0,	0.0,	0.0,	0.0,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-32.5,	-40.7,
29	13.7,	204.2,	340.1,	-27.0,	-15.5,	30	13.7,	248.8,	328.4,	-20.6,	9.8,
31	13.7,	285.7,	306.8,	-13.6,	34.8,	32	13.7,	314.0,	275.8,	-6.2,	58.8,
33	13.7,	332.7,	236.4,	1.4,	80.9,	34	13.7,	341.3,	189.9,	9.0,	100.7,
35	13.7,	339.6,	138.4,	16.3,	117.3,	36	13.7,	333.6,	101.5,	14.9,	129.7,

SOURCE ID: TTP83

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-37.0,	141.1,	2	13.7,	340.1,	204.2,	-87.7,	145.9,
3	13.7,	328.4,	248.8,	-135.8,	146.2,	4	13.7,	306.8,	285.7,	-179.7,	142.0,
5	13.7,	275.8,	314.0,	-218.2,	133.6,	6	13.7,	236.4,	332.7,	-250.0,	121.1,
7	0.0,	0.0,	0.0,	0.0,	0.0,	8	0.0,	0.0,	0.0,	0.0,	0.0,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	154.2,	341.4,	-311.8,	40.0,
11	13.7,	204.2,	340.1,	-315.9,	14.4,	12	13.7,	248.8,	328.4,	-310.4,	-11.4,
13	13.7,	285.7,	306.8,	-295.4,	-36.8,	14	13.7,	314.0,	275.8,	-271.5,	-61.2,
15	13.7,	332.7,	236.4,	-239.3,	-83.6,	16	13.7,	341.3,	189.9,	-199.8,	-103.6,
17	13.7,	339.6,	138.4,	-155.1,	-120.3,	18	13.7,	333.6,	101.5,	-116.2,	-132.7,
19	13.7,	341.4,	154.2,	-117.1,	-141.1,	20	13.7,	340.1,	204.2,	-116.5,	-145.9,
21	13.7,	328.4,	248.8,	-113.0,	-146.2,	22	13.7,	306.8,	285.7,	-106.0,	-142.0,
23	13.7,	275.8,	314.0,	-95.8,	-133.6,	24	13.7,	236.4,	332.7,	-82.7,	-121.1,
25	0.0,	0.0,	0.0,	0.0,	0.0,	26	0.0,	0.0,	0.0,	0.0,	0.0,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	154.2,	341.4,	-29.6,	-40.0,
29	13.7,	204.2,	340.1,	-24.2,	-14.4,	30	13.7,	248.8,	328.4,	-18.0,	11.4,
31	13.7,	285.7,	306.8,	-11.3,	36.8,	32	13.7,	314.0,	275.8,	-4.3,	61.2,
33	13.7,	332.7,	236.4,	2.8,	83.6,	34	13.7,	341.3,	189.9,	9.9,	103.6,
35	13.7,	339.6,	138.4,	16.7,	120.3,	36	13.7,	333.6,	101.5,	14.8,	132.7,

SOURCE ID: STCK1

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-118.5,	158.8,	2	13.7,	340.1,	204.2,	-171.0,	149.1,
3	13.7,	328.4,	248.8,	-218.4,	134.9,	4	13.7,	306.8,	285.7,	-259.1,	116.6,
5	13.7,	275.8,	314.0,	-291.9,	94.7,	6	13.7,	236.4,	332.7,	-315.9,	70.0,
7	13.7,	189.9,	341.3,	-330.2,	43.1,	8	13.7,	138.4,	339.6,	-334.5,	15.3,
9	13.7,	101.5,	333.6,	-331.0,	-11.7,	10	13.7,	154.2,	341.4,	-329.5,	-41.4,
11	13.7,	204.2,	340.1,	-319.1,	-68.9,	12	13.7,	248.8,	328.4,	-299.1,	-94.0,
13	13.7,	285.7,	306.8,	-269.9,	-116.2,	14	13.7,	314.0,	275.8,	-232.6,	-134.9,
15	13.7,	332.7,	236.4,	-188.2,	-149.5,	16	13.7,	341.3,	189.9,	-138.1,	-159.6,
17	13.7,	339.6,	138.4,	-84.5,	-164.8,	18	13.7,	333.6,	101.5,	-39.1,	-164.2,
19	13.7,	341.4,	154.2,	-35.6,	-158.8,	20	13.7,	340.1,	204.2,	-33.2,	-149.1,
21	13.7,	328.4,	248.8,	-30.4,	-134.9,	22	13.7,	306.8,	285.7,	-26.6,	-116.6,
23	13.7,	275.8,	314.0,	-22.1,	-94.7,	24	13.7,	236.4,	332.7,	-16.9,	-70.0,
25	13.7,	189.9,	341.3,	-11.1,	-43.1,	26	13.7,	138.4,	339.6,	-5.0,	-15.3,
27	13.7,	101.5,	333.6,	-2.6,	11.7,	28	13.7,	154.2,	341.4,	-11.9,	41.4,
29	13.7,	204.2,	340.1,	-21.0,	68.9,	30	13.7,	248.8,	328.4,	-29.3,	94.0,
31	13.7,	285.7,	306.8,	-36.8,	116.2,	32	13.7,	314.0,	275.8,	-43.2,	134.9,
33	13.7,	332.7,	236.4,	-48.2,	149.5,	34	13.7,	341.3,	189.9,	-51.8,	159.6,
35	13.7,	339.6,	138.4,	-53.8,	164.8,	36	13.7,	333.6,	101.5,	-62.4,	164.2,

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* DIRECTION SPECIFIC BUILDING DIMENSIONS \*\*\*

SOURCE ID: STCK2

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	341.4,	154.2,	-108.6,	160.9,	2	13.7,	340.1,	204.2,	-161.6,	152.9,
3	13.7,	328.4,	248.8,	-209.8,	140.3,	4	13.7,	306.8,	285.7,	-251.6,	123.4,
5	13.7,	275.8,	314.0,	-285.7,	102.7,	6	13.7,	236.4,	332.7,	-311.1,	79.0,
7	13.7,	189.9,	341.3,	-327.1,	52.8,	8	13.7,	138.4,	339.6,	-333.2,	25.4,
9	13.7,	101.5,	333.6,	-331.4,	-1.5,	10	13.7,	154.2,	341.4,	-331.6,	-31.5,
11	13.7,	204.2,	340.1,	-323.0,	-59.5,	12	13.7,	248.8,	328.4,	-304.5,	-85.4,
13	13.7,	285.7,	306.8,	-276.8,	-108.7,	14	13.7,	314.0,	275.8,	-240.6,	-128.7,
15	13.7,	332.7,	236.4,	-197.2,	-144.8,	16	13.7,	341.3,	189.9,	-147.7,	-156.5,
17	13.7,	339.6,	138.4,	-94.6,	-163.4,	18	13.7,	333.6,	101.5,	-49.2,	-164.6,
19	13.7,	341.4,	154.2,	-45.6,	-160.9,	20	13.7,	340.1,	204.2,	-42.6,	-152.9,
21	13.7,	328.4,	248.8,	-39.0,	-140.3,	22	13.7,	306.8,	285.7,	-34.1,	-123.4,

23	13.7,	275.8,	314.0,	-28.3,	-102.7,	24	13.7,	236.4,	332.7,	-21.6,	-79.0,
25	13.7,	189.9,	341.3,	-14.2,	-52.8,	26	13.7,	138.4,	339.6,	-6.4,	-25.4,
27	13.7,	101.5,	333.6,	-2.2,	1.5,	28	13.7,	154.2,	341.4,	-9.8,	31.5,
29	13.7,	204.2,	340.1,	-17.1,	59.5,	30	13.7,	248.8,	328.4,	-23.9,	85.4,
31	13.7,	285.7,	306.8,	-30.0,	108.7,	32	13.7,	314.0,	275.8,	-35.1,	128.7,
33	13.7,	332.7,	236.4,	-39.2,	144.8,	34	13.7,	341.3,	189.9,	-42.1,	156.5,
35	13.7,	339.6,	138.4,	-43.8,	163.4,	36	13.7,	333.6,	101.5,	-52.2,	164.6,

\*\*\* AERMOD - VERSION 23132 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\15639  
 Spreckels\15639 Ops HRA\1 \*\*\*      09/20/24

\*\*\* AERMET - VERSION 21112 \*\*\*  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
 (HRDOW7) \*

SOURCE ID = STCK1 ; SOURCE TYPE = POINT :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = MONDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = TUESDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.1000E+01	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = WEDNESDY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = THURSDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = FRIDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* AERMET - VERSION 21112 \*\*\*  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW7) \*

SOURCE ID = STCK2 ; SOURCE TYPE = POINT :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = MONDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = TUESDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .1000E+01 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = WEDNESDY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = THURSDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = FRIDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

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Spreckels\15639 Ops HRA\1 \*\*\* 09/20/24  
\*\*\* AERMET - VERSION 21112 \*\*\*  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* DISCRETE CARTESIAN RECEPTORS \*\*\*  
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)  
(METERS)

( 658334.4, 4184219.3, 12.7, 12.7, 0.0); ( 658333.0,  
4184239.1, 12.8, 12.8, 0.0);  
( 658332.8, 4184256.8, 12.8, 12.8, 0.0); ( 658331.1,  
4184275.4, 12.8, 12.8, 0.0);  
( 658330.6, 4184293.6, 12.8, 12.8, 0.0); ( 658330.1,  
4184311.5, 12.9, 12.9, 0.0);  
( 658329.1, 4184328.9, 13.0, 13.0, 0.0); ( 658328.8,  
4184346.9, 13.0, 13.0, 0.0);  
( 658327.3, 4184364.9, 13.0, 13.0, 0.0); ( 658326.6,  
4184384.6, 13.1, 13.1, 0.0);  
( 658325.7, 4184400.5, 13.1, 13.1, 0.0); ( 658351.9,  
4184356.4, 13.2, 13.2, 0.0);  
( 658411.4, 4184331.2, 13.1, 13.1, 0.0); ( 658460.9,  
4184332.6, 13.1, 13.1, 0.0);  
( 658489.4, 4184334.4, 13.0, 13.0, 0.0); ( 658538.9,  
4184336.4, 13.1, 13.1, 0.0);  
( 658634.0, 4184363.1, 13.2, 13.2, 0.0); ( 658575.2,  
4184376.2, 13.0, 13.0, 0.0);  
( 658792.3, 4184311.5, 13.5, 13.5, 0.0); ( 658328.2,  
4184428.2, 13.1, 13.1, 0.0);  
( 658324.6, 4184463.8, 12.7, 12.7, 0.0); ( 658340.1,  
4184463.9, 12.7, 12.7, 0.0);  
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4184464.6, 12.6, 12.6, 0.0);  
( 658385.9, 4184464.8, 12.6, 12.6, 0.0); ( 658404.0,  
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( 658420.2, 4184465.1, 12.5, 12.5, 0.0); ( 658435.7,  
4184466.4, 12.5, 12.5, 0.0);  
( 658336.3, 4184188.4, 12.6, 12.6, 0.0); ( 658338.8,  
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( 658339.5, 4184149.7, 12.5, 12.5, 0.0); ( 658338.6,  
4184131.8, 12.4, 12.4, 0.0);  
( 658339.6, 4184114.2, 12.3, 12.3, 0.0); ( 658339.5,  
4184096.9, 12.2, 12.2, 0.0);  
( 658528.9, 4184142.7, 13.2, 13.2, 0.0); ( 658610.0,  
4184144.3, 13.4, 13.4, 0.0);  
( 658681.5, 4184145.8, 13.3, 13.3, 0.0); ( 658822.7,  
4184110.0, 13.4, 13.4, 0.0);  
( 658341.0, 4184077.3, 12.2, 12.2, 0.0); ( 658342.2,  
4184057.4, 12.3, 12.3, 0.0);  
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4184024.3, 12.3, 12.3, 0.0);  
( 658344.0, 4184004.7, 12.3, 12.3, 0.0); ( 658345.0,  
4183986.3, 12.2, 12.2, 0.0);  
( 658345.5, 4183969.1, 12.2, 12.2, 0.0); ( 658347.1,  
4183948.8, 12.2, 12.2, 0.0);  
( 658348.1, 4183931.8, 12.2, 12.2, 0.0); ( 658348.7,  
4183912.7, 12.2, 12.2, 0.0);

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( 658349.4, 4183895.6, 12.2, 12.2, 0.0); ( 658350.3,
4183876.2, 12.2, 12.2, 0.0);
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( 658783.4, 4183908.0, 12.8, 12.8, 0.0); ( 658845.0,
4184011.4, 12.6, 12.6, 0.0);
( 657852.8, 4184359.5, 12.2, 12.2, 0.0); ( 658013.7,
4184464.2, 12.4, 12.4, 0.0);
( 658356.2, 4183852.6, 12.1, 12.1, 0.0); ( 658487.9,
4183854.8, 12.0, 12.0, 0.0);
( 658621.3, 4183854.8, 13.0, 13.0, 0.0); ( 659354.0,
4184491.9, 14.4, 14.4, 0.0);
( 658618.8, 4184754.2, 12.6, 12.6, 0.0); ( 658624.8,
4184647.1, 12.6, 12.6, 0.0);
( 658624.1, 4184601.0, 12.4, 12.4, 0.0); ( 658684.4,
4184796.5, 13.1, 13.1, 0.0);
( 658912.1, 4184704.8, 13.4, 13.4, 0.0); ( 659090.7,
4184904.7, 13.2, 13.2, 0.0);
( 658921.0, 4184927.9, 13.2, 13.2, 0.0); ( 658586.3,
4184908.5, 12.9, 12.9, 0.0);
( 658405.0, 4184892.0, 12.0, 12.0, 0.0); ( 658487.0,
4184919.0, 12.2, 12.2, 0.0);
( 658581.4, 4184983.0, 12.6, 12.6, 0.0); ( 658428.6,
4184853.4, 12.2, 12.2, 0.0);
( 658445.1, 4184517.5, 12.3, 12.3, 0.0); ( 658435.7,
4184690.5, 12.4, 12.4, 0.0);
( 659317.3, 4184800.8, 14.0, 19.4, 0.0); ( 659331.3,
4184657.3, 14.8, 14.8, 0.0);
( 658029.0, 4184541.7, 12.3, 12.3, 0.0); ( 657824.7,
4184529.3, 12.1, 12.1, 0.0);
( 658007.6, 4184688.0, 12.1, 12.1, 0.0); ( 657931.2,
4184677.0, 12.2, 12.2, 0.0);
( 658885.7, 4183203.9, 13.5, 13.5, 0.0); ( 658727.1,
4183244.6, 15.8, 23.0, 0.0);
( 658692.9, 4183227.8, 13.9, 23.0, 0.0); ( 658622.5,
4183228.8, 14.1, 22.3, 0.0);
( 658545.9, 4183228.4, 13.6, 21.5, 0.0); ( 658475.8,
4183222.9, 12.9, 20.7, 0.0);
( 658424.3, 4183214.8, 12.6, 12.6, 0.0); ( 658273.8,
4183234.2, 12.9, 12.9, 0.0);
( 658205.9, 4183233.7, 12.7, 12.7, 0.0); ( 658044.0,
4183240.9, 12.5, 12.5, 0.0);

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Spreckels\15639 Ops HRA\1 *** 09/20/24

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*** AERMET - VERSION 21112 ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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```

( 660186.6, 4184250.1, 13.9, 13.9, 0.0); ( 660213.2,
4184424.9, 14.2, 14.2, 0.0);
( 660287.3, 4184509.3, 15.1, 15.1, 0.0); ( 660215.9,
4184164.6, 14.1, 14.1, 0.0);
( 658605.1, 4184843.0, 13.0, 13.0, 0.0); ( 658612.5,
4184909.5, 13.1, 13.1, 0.0);
( 658656.9, 4184906.0, 13.0, 13.0, 0.0); ( 658485.8,
4184891.5, 12.2, 12.2, 0.0);
( 658609.5, 4185069.9, 12.6, 12.6, 0.0); ( 658618.1,
4185023.1, 12.7, 12.7, 0.0);
( 658608.3, 4185108.0, 12.7, 12.7, 0.0); ( 658527.2,
4185095.9, 12.4, 12.4, 0.0);

```







18	01	01	1	15	60.0	0.135	1.065	0.019	731.	119.	-3.7	0.02	0.99	0.26	1.62
298.	10.0	291.4	2.0												
18	01	01	1	16	15.4	0.170	0.678	0.019	735.	169.	-29.1	0.02	0.99	0.35	2.47
295.	10.0	291.4	2.0												
18	01	01	1	17	-14.5	0.165	-9.000	-9.000	-999.	161.	30.1	0.03	0.99	0.60	2.61
310.	10.0	288.8	2.0												
18	01	01	1	18	-7.0	0.110	-9.000	-9.000	-999.	88.	17.3	0.04	0.99	1.00	1.67
331.	10.0	286.4	2.0												
18	01	01	1	19	-1.8	0.060	-9.000	-9.000	-999.	35.	11.0	0.02	0.99	1.00	0.84
240.	10.0	285.4	2.0												
18	01	01	1	20	-1.7	0.061	-9.000	-9.000	-999.	36.	12.2	0.03	0.99	1.00	0.75
327.	10.0	282.5	2.0												
18	01	01	1	21	-1.8	0.063	-9.000	-9.000	-999.	38.	12.9	0.04	0.99	1.00	0.74
166.	10.0	282.0	2.0												
18	01	01	1	22	-4.0	0.081	-9.000	-9.000	-999.	55.	12.1	0.02	0.99	1.00	1.35
116.	10.0	280.9	2.0												
18	01	01	1	23	-5.2	0.092	-9.000	-9.000	-999.	67.	13.6	0.02	0.99	1.00	1.55
115.	10.0	279.9	2.0												
18	01	01	1	24	-4.4	0.084	-9.000	-9.000	-999.	59.	12.6	0.02	0.99	1.00	1.42
119.	10.0	280.4	2.0												

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
18	01	01	01	10.0	1	314.	2.04	281.5	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

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 Spreckels\15639 Ops HRA\1 \*\*\* 09/20/24  
 \*\*\* AERMET - VERSION 21112 \*\*\*  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION VALUES FOR  
 SOURCE GROUP: ALL \*\*\*

INCLUDING SOURCE(S):		IDLE1	, IDLE2	,
IDLE3	, IDLE4	, IDLE5	, IDLE6	,
IDLE7	, IDLE8	, IDLE9	, IDLE10	,
IDLE11	, IDLE12	, IDLE13	, IDLE14	,
IDLE15	, IDLE16	, IDLE17	, IDLE18	,
IDLE19	, IDLE20	, IDLE21	, IDLE22	,
IDLE23	, IDLE24	, IDLE25	, IDLE26	,
IDLE27	, IDLE28	, . . .	, . . .	,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN MICROGRAMS/M\*\*3 \*\*

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
658334.38	4184219.32	0.00727	658333.00	
4184239.07	0.00970			
658332.77	4184256.75	0.01176	658331.12	
4184275.37	0.01343			
658330.55	4184293.56	0.01424	658330.13	
4184311.47	0.01424			
658329.14	4184328.95	0.01389	658328.75	
4184346.90	0.01242			
658327.32	4184364.94	0.01003	658326.61	
4184384.60	0.00811			
658325.69	4184400.50	0.00737	658351.91	

4184356.45	0.01221		
658411.42	4184331.21	0.01314	658460.92
4184332.62	0.01496		
658489.41	4184334.45	0.01553	658538.91
4184336.42	0.01476		
658633.98	4184363.12	0.00607	658575.23
4184376.20	0.00720		
658792.31	4184311.46	0.00469	658328.23
4184428.16	0.00627		
658324.56	4184463.84	0.00509	658340.07
4184463.88	0.00509		
658356.85	4184464.48	0.00507	658372.20
4184464.60	0.00507		
658385.86	4184464.84	0.00510	658403.96
4184465.20	0.00518		
658420.15	4184465.08	0.00530	658435.73
4184466.40	0.00532		
658336.30	4184188.36	0.00464	658338.79
4184166.96	0.00404		
658339.45	4184149.70	0.00353	658338.62
4184131.78	0.00301		
658339.62	4184114.19	0.00281	658339.45
4184096.93	0.00267		
658528.90	4184142.67	0.02703	658609.95
4184144.35	0.03369		
658681.53	4184145.79	0.02923	658822.70
4184109.99	0.01001		
658341.04	4184077.32	0.00258	658342.17
4184057.42	0.00250		
658342.45	4184040.64	0.00244	658343.44
4184024.27	0.00240		
658344.00	4184004.66	0.00235	658345.03
4183986.32	0.00231		
658345.54	4183969.09	0.00227	658347.07
4183948.81	0.00225		
658348.08	4183931.79	0.00222	658348.70
4183912.73	0.00219		
658349.41	4183895.60	0.00217	658350.33
4183876.24	0.00215		
658705.37	4184490.63	0.00335	658356.00
4183814.13	0.00213		
658783.42	4183907.96	0.00827	658844.96
4184011.43	0.00831		
657852.76	4184359.55	0.00174	658013.70
4184464.19	0.00385		
658356.21	4183852.60	0.00217	658487.87
4183854.81	0.00413		
658621.29	4183854.81	0.00714	659353.96
4184491.93	0.00077		
658618.84	4184754.20	0.00196	658624.83
4184647.10	0.00238		
658624.08	4184601.04	0.00260	658684.37
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658912.05	4184704.77	0.00108	659090.68
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658921.04	4184927.95	0.00096	658586.26
4184908.48	0.00127		
658405.01	4184892.00	0.00128	658487.02
4184918.97	0.00120		
658581.39	4184983.00	0.00096	658428.60
4184853.43	0.00142		
658445.08	4184517.53	0.00377	658435.72
4184690.54	0.00205		
659317.34	4184800.77	0.00072	659331.28
4184657.35	0.00065		
658029.00	4184541.67	0.00348	657824.73

4184529.27 0.00264  
 658007.60 4184688.03 0.00210 657931.24  
 4184676.97 0.00222

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION VALUES FOR  
 SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): IDLE1 , IDLE2 ,  
 IDLE3 , IDLE4 , IDLE5 ,  
 IDLE6 , IDLE7 , IDLE8 , IDLE9 , IDLE10 ,  
 IDLE11 , IDLE12 , IDLE13 ,  
 IDLE14 , IDLE15 , IDLE16 , IDLE17 , IDLE18 ,  
 IDLE19 , IDLE20 , IDLE21 ,  
 IDLE22 , IDLE23 , IDLE24 , IDLE25 , IDLE26 ,  
 IDLE27 , IDLE28 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

		** CONC OF DPM MICROGRAMS/M**3	IN		
X-COORD (M) (M)	Y-COORD (M) CONC	CONC		X-COORD (M)	Y-COORD
658885.71	4183203.88	0.00211		658727.12	
4183244.58	0.00191				
658692.88	4183227.78	0.00176		658622.47	
4183228.75	0.00163				
658545.92	4183228.43	0.00149		658475.83	
4183222.94	0.00136				
658424.28	4183214.81	0.00126		658273.79	
4183234.19	0.00107				
658205.87	4183233.72	0.00097		658043.97	
4183240.94	0.00081				
660186.59	4184250.08	0.00030		660213.20	
4184424.91	0.00028				
660287.31	4184509.29	0.00025		660215.86	
4184164.56	0.00030				
658605.12	4184843.00	0.00163		658612.49	
4184909.54	0.00130				
658656.93	4184905.99	0.00137		658485.76	
4184891.51	0.00131				
658609.54	4185069.95	0.00075		658618.13	
4185023.06	0.00085				
658608.32	4185108.05	0.00069		658527.17	
4185095.88	0.00073				
658631.88	4185217.21	0.00052		658636.02	
4185282.57	0.00042				
658560.32	4183641.32	0.00463		657679.02	
4184224.32	0.00113				
657815.11	4184143.25	0.00106		657534.91	
4184333.00	0.00108				
657495.41	4184354.76	0.00114		657529.76	
4184355.90	0.00103				
657370.02	4184525.38	0.00106		657339.76	
4184465.00	0.00114				
657013.06	4184509.19	0.00058		658388.97	
4183233.05	0.00126				
658823.50	4183226.17	0.00206		659051.36	

4183064.93 0.00172  
 658877.88 4184185.01 0.00462 660167.76  
 4183945.94 0.00032  
 657486.71 4184810.66  
 0.00148

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE SUMMARY OF MAXIMUM PERIOD ( 43824 HRS) RESULTS  
 \*\*\*

\*\* CONC OF DPM IN \*\*  
 MICROGRAMS/M\*\*3

NETWORK

GROUP ID NETWORK AVERAGE CONC RECEPTOR (XR, YR, ZELEV, ZHILL,  
 ZFLAG) OF TYPE GRID-ID

ALL 1ST HIGHEST VALUE IS 0.03369 AT ( 658609.95, 4184144.35, 13.35,  
 13.35, 0.00) DC  
 2ND HIGHEST VALUE IS 0.02923 AT ( 658681.53, 4184145.79, 13.27,  
 13.27, 0.00) DC  
 3RD HIGHEST VALUE IS 0.02703 AT ( 658528.90, 4184142.67, 13.15,  
 13.15, 0.00) DC  
 4TH HIGHEST VALUE IS 0.01553 AT ( 658489.41, 4184334.45, 13.04,  
 13.04, 0.00) DC  
 5TH HIGHEST VALUE IS 0.01496 AT ( 658460.92, 4184332.62, 13.11,  
 13.11, 0.00) DC  
 6TH HIGHEST VALUE IS 0.01476 AT ( 658538.91, 4184336.42, 13.07,  
 13.07, 0.00) DC  
 7TH HIGHEST VALUE IS 0.01424 AT ( 658330.13, 4184311.47, 12.90,  
 12.90, 0.00) DC  
 8TH HIGHEST VALUE IS 0.01424 AT ( 658330.55, 4184293.56, 12.84,  
 12.84, 0.00) DC  
 9TH HIGHEST VALUE IS 0.01389 AT ( 658329.14, 4184328.95, 12.96,  
 12.96, 0.00) DC  
 10TH HIGHEST VALUE IS 0.01343 AT ( 658331.12, 4184275.37, 12.78,  
 12.78, 0.00) DC

\*\*\* RECEPTOR TYPES: GC = GRIDCART  
 GP = GRIDPOLR  
 DC = DISCCART  
 DP = DISCPOLR

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* Message Summary : AERMOD Model Execution \*\*\*

----- Summary of Total Messages -----







SO W320	1579	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1580	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1581	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1582	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1583	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1584	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1585	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1586	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1587	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1588	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1589	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1590	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1591	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1634	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	1635	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
ME W186	8704	MEOOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used	0.50
ME W187	8704	MEOOPEN: ADJ_U* Option for Stable Low Winds used in AERMET	

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\*\*\* AERMOD Finishes Successfully \*\*\*  
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## **APPENDIX 2.5:**

### **RISK CALCULATIONS**













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## **APPENDIX 2.6:**

### **MODELED RECEPTORS**



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# **Attachment B Certificate of Payment and ITM**



# S J C O G, Inc.

555 East Weber Avenue • Stockton, CA 95202 • (209) 235-0574

*San Joaquin County Multi-Species Habitat Conservation &  
Open Space Plan (SJMSCP)*

## Certificate of Payment CP-25-34

*This Certificate of Payment serves as acknowledgement for payment of development fees pursuant to the San Joaquin County Multi-Species Habitat Conservation and Open Space Plan. The project and fee amount paid are provided below.*

**Project:** *Spreckels Distribution Center Project*

**Project Jurisdiction:** City of Manteca

**Assessor Parcel Number(s):** 221-250-35

**Project Impact(s):** 14.83 acres of Urban (U) Habitat  
(City of Manteca Compensation Map)

**Payment Date:** April 21, 2025

**Fee Amount:** 14.83 acres x \$0.00 per acre = **\$0.00**

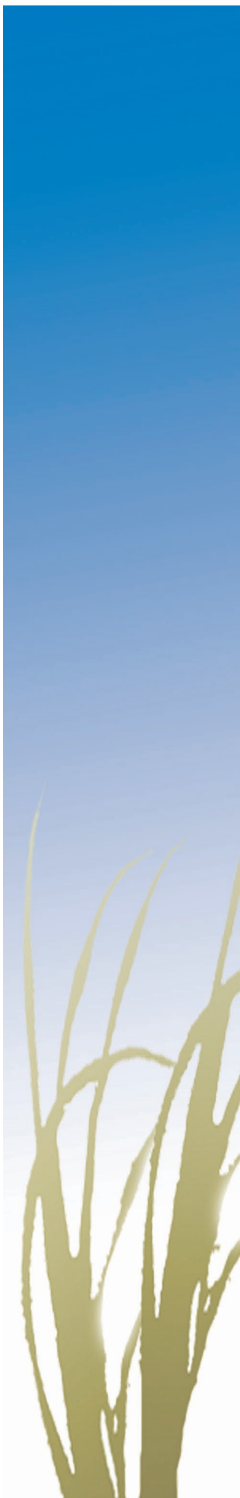
**Total Amount Paid= \$0.00**

**Certificate Prepared By:** Laurel Boyd

*Laurel Boyd*

**Payment Received By Signature:** \_\_\_\_\_

**Print Name:** Laurel K Boyd      **Date:** April 21, 2025









## S J C O G, Inc.

555 East Weber Avenue • Stockton, CA 95202 • (209) 235-0574 • Email: boyd@sjcog.org

### *San Joaquin County Multi-Species Habitat Conservation & Open Space Plan (SJMSCP)*

#### **Spreckels Distribution Center Project SJMSCP Incidental Take Minimization Measures (APN: 221-250-35)**

**Date:** August 28, 2024

**Findings:** Potential habitat for Swainson's hawk

**Potential nesting habitat for common birds (Migratory Bird Treaty Act)**

**Total Disturbed Acres Anticipated:** 14.83 acres

**Habitat Types to be Disturbed:** Urban (U) Habitat Land  
(City of Manteca Compensation Map)

**Project Jurisdiction:** City of Manteca

### **Advisory Statements**

After inspecting the project site, and project site conditions, the San Joaquin Council of Governments (SJCOG) provides the following *advisory statements* to the applicant. No further action is required with the SJCOG with respect to the following statements. SJCOG does not accept any liability for the accuracy of these statements since each regulatory agency discussed below must determine the extent of its own regulatory authority with respect to the proposed project.

It should be noted that two important federal and state agencies (U.S. Army Corps of Engineers and the California Regional Water Quality Control Board) and California Department of Fish and Wildlife Streambed Alteration requirements have not issued permits to the SJCOG and so payment of the fee to use the SJMSCP will not modify requirements (1600/1602) now imposed by these agencies. **If potential waters of the United States [pursuant to Section 404 Clean Water Act] may occur on the project site**, it therefore may be prudent to obtain a preliminary wetlands map from a qualified consultant. If waters of the United States are confirmed on the project site, the Corps and the Regional Water Quality Control Board (RWQCB) would have regulatory authority over those mapped areas [pursuant to Section 404 and 401 of the Clean Water Act respectively] and permits would likely be required from each of these resource agencies prior to impacting these features on the project site.

The SJMSCP covers lawful activities which must comply with all federal, state and local laws for coverage. The **Migratory Bird Treaty Act (MBTA)** is a federal act which protects many birds and their habitats. Those species go beyond the listed SJMSCP species but are included as protective measures for compliance with the federal MBTA measures. The measures will be stated under **MBTA Compliance** in the prescribed ITMM.



The ITMM is not deemed complete until finalized by SJCOG, Inc. staff and provided back to the project.

### Conditions

#### Prior to ground disturbance:

1. Incidental Take Minimization Measures (ITMMs) will be issued to the project and must be signed by the project applicant prior to any ground disturbance but no later than six (6) months from receipt of the ITMMs. If ITMMs are not signed within six months, the applicant must reapply for SJMSCP Coverage. Upon receipt of signed ITMMs from project applicant, SJCOG, Inc. staff will sign the ITMMs. This is the effective date of the ITMMs.
2. Under no circumstance shall ground disturbance occur without compliance and satisfaction of the ITMMs.
3. Upon issuance of fully executed ITMMs and prior to any ground disturbance, the project applicant must:
  - a. Post a bond for payment of the applicable SJMSCP fee covering the entirety of the project acreage being covered (the bond should be valid for no longer than a 6 month period); or
  - b. Pay the appropriate SJMSCP fee for the entirety of the project acreage being covered; or
  - c. Dedicate land in-lieu of fees, either as conservation easements or fee title; or
  - d. Purchase approved mitigation bank credits.
4. Within 6 months from the effective date of the ITMMs or issuance of a building permit, whichever occurs first, the project applicant must:
  - a. Pay the appropriate SJMSCP for the entirety of the project acreage being covered; or
  - b. Dedicate land in-lieu of fees, either as conservation easements or fee title; or
  - c. Purchase approved mitigation bank credits.

Failure to satisfy the obligations of the mitigation fee shall subject the bond to be called.

Pay appropriate SJMSCP 2024 fees based on habitat categories and rates to **SJCOG, Inc.:**

- Urban (U) Habitat – 14.83 acres x \$0.00 per acre = **\$0.00**

**Total Fee due: \$0.00**

Note: If fees are not paid prior to January 1, 2025 this project will be subject to the subsequent fee change, and the fee above will no longer be applicable.

**Project Proponent Must Initial Here As to Understanding the Note Above:**

Initial  
MS

#### Surveys

Initial and/or follow up surveys shall be conducted no greater than 14 days prior to construction for Swainson’s hawk and all raptor species protected under the Migratory Bird Treaty Act (MBTA). If these species are observed nesting on the project site then the following Incidental Take Minimization Measures shall be implemented.

#### **5.2.4.11 Swainson's Hawk**

The Project Proponent has the option of retaining known or potential Swainson's hawk nest trees (i.e., trees that hawks are known to have nested in within the past three years or trees, such as large oaks, which the hawks prefer for nesting) or removing the nest trees.

If the Project Proponent elects to retain a nest tree, and in order to encourage tree retention, the following Incidental Take Minimization Measure shall be implemented during construction activities:

If a nest tree becomes occupied during construction activities, then all construction activities shall remain a distance of two times the dripline of the tree, measured from the nest.

If the Project Proponent elects to remove a nest tree, then nest trees may be removed between September 1 and February 15, when the nests are unoccupied.

These Incidental Take Minimization Measures are consistent with the provisions of the Migratory Bird Treaty Act as described in Section 5.2.3.1(G).

#### **MBTA Compliance:**

*Listed below are effective measures that should be employed at all project development sites nationwide with the goal of reducing impacts to birds and their habitats. A qualified biologist will be required to be on site as a biological monitor during these activities. These measures are grouped into three categories: General, Habitat Protection, and Stressor Management. These measures may be updated through time. We recommend checking the MBTA Conservation Measures website regularly for the most up-to-date list.*

#### **1. General Measures**

- a. Educate all employees, contractors, and/or site visitors of relevant rules and regulations that protect wildlife. See the Service webpage on [Regulations and Policies](#) for more information on regulations that protect migratory birds.*
- b. Prior to removal of an inactive nest, ensure that the nest is not protected under the Endangered Species Act (ESA) or the Bald and Golden Eagle Protection Act (BGEPA). Nests protected under ESA or BGEPA cannot be removed without a valid permit.
  - i. See the [Service Nest Destruction Policy](#)**
- c. Do not collect birds (live or dead) or their parts (e.g., feathers) or nests without a valid permit. Please visit the [Service permits page](#) for more information on permits and permit applications.*
- d. Provide enclosed solid waste receptacles at all project areas. Non-hazardous solid waste (trash) would be collected and deposited in the on-site receptacles. Solid waste would be collected and disposed of by a local waste disposal contractor. For more information about solid waste and how to properly dispose of it, see the [EPA Non-Hazardous Waste](#) website.*
- e. Report any incidental take of a migratory bird, to the [local Service Office of Law Enforcement](#).*
- f. Consult and follow applicable [Service industry guidance](#).*

#### **2. Habitat Protection**

- a. Minimize project creep by clearly delineating and maintaining project boundaries (including staging areas).*
- b. Consult all local, State, and Federal regulations for the development of an appropriate buffer distance between development site and any wetland or waterway. For more information on wetland protection regulations see the Clean Water Act sections [401](#) and [404](#).*

- c. *Maximize use of disturbed land for all project activities (i.e., siting, lay-down areas, and construction).*
- d. *Implement standard soil erosion and dust control measures. For example:*
  - i. *Establish vegetation cover to stabilize soil*
  - ii. *Use erosion blankets to prevent soil loss*
  - iii. *Water bare soil to prevent wind erosion and dust issues*

### **3. Stressor Management**

#### **Stressor: Vegetation Removal**

**Conservation Goal:** *Avoid direct take of adults, chicks, or eggs.*

**Conservation Measure 1:** *Schedule all vegetation removal, trimming, and grading of vegetated areas outside of the peak bird breeding season to the maximum extent practicable. Use available resources, such as internet-based tools (e.g., the FWS's Information, Planning and Conservation system and Avian Knowledge Network) to identify peak breeding months for local bird species; or, contact local Service Migratory Bird Program Office for breeding bird information.*

**Conservation Measure 2:** *When project activities cannot occur outside the bird nesting season, conduct surveys prior to scheduled activity to determine if active nests are present within the area of impact and buffer any nesting locations found during surveys.*

1. *Generally, the surveys should be conducted no more than five days prior to scheduled activity.*
2. *Timing and dimensions of the area to be surveyed vary and will depend on the nature of the project, location, and expected level of vegetation disturbance.*
3. *If active nests or breeding behavior (e.g., courtship, nest building, territorial defense, etc.) are detected during these surveys, no vegetation removal activities should be conducted until nestlings have fledged or the nest fails or breeding behaviors are no longer observed. If the activity must occur, establish a buffer zone (100-foot minimum) around the nest and no activities will occur within that buffer zone until nestlings have fledged and left the nest area. The dimension of the buffer zone may need to be expanded depending on the proposed activity, habitat type, and species present and should be coordinated with the biologist on site and/or SJMSCP.*
4. *When establishing the buffer zone, construct a barrier (e.g., plastic fencing) to protect the area. If the fence is knocked down or destroyed, work will suspend wholly, or in part, until the fence is satisfactorily repaired.*
5. *When establishing a buffer zone, a qualified biologist will be present onsite to serve as a biological monitor during vegetation clearing and grading activities to ensure no take of migratory birds occurs. Prior to vegetation clearing, the monitor will ensure that the limits of construction have been properly staked and are readily identifiable. Any associated project activities that are inconsistent with the applicable conservation measures, and activities that may result in the 'take of migratory birds' will be immediately halted and reported to the SJMSCP and the appropriate Service office within 24 hours.*
6. *If establishing a buffer zone of a minimum of 100-feet is not feasible, contact the Service for guidance to minimize impacts to migratory birds associated with the proposed project or removal of an active nest. Active nests may only be removed if you receive a permit from your local Migratory Bird Permit Office. A permit may authorize active nest removal by a qualified biologist with bird handling experience or by a permitted bird rehabilitator.*

**Conservation Measure 3:** *Prepare a vegetation maintenance plan that outlines vegetation maintenance activities and schedules so that direct bird impacts do not occur.*

**Stressor: Invasive Species Introduction**

**Conservation Goal:** *Prevent the introduction of invasive plants.*

**Conservation Measure 1:** *Prepare a weed abatement plan that outlines the areas where weed abatement is required and the schedule and method of activities to ensure bird impacts are avoided.*

**Conservation Measure 2:** *For temporary and permanent habitat restoration/enhancement, use only native and local (when possible) seed and plant stock.*

**Conservation Measure 3:** *Consider creating vehicle wash stations prior to entering sensitive habitat areas to prevent accidental introduction of non-native plants.*

**Conservation Measure 4:** *Remove invasive/exotic species that pose an attractive nuisance to migratory birds.*

**Stressor: Artificial Lighting**

**Conservation Goal:** *Prevent increase in lighting of native habitats during the bird breeding season.*

**Conservation Measure 1:** *To the maximum extent practicable, limit construction activities to the time between dawn and dusk to avoid the illumination of adjacent habitat areas.*

**Conservation Measure 2:** *If construction activity time restrictions are not possible, use down shielding or directional lighting to avoid light trespass into bird habitat (i.e., use a 'Cobra' style light rather than an omnidirectional light system to direct light down to the roadbed). To the maximum extent practicable, while allowing for public safety, low intensity energy saving lighting (e.g., low pressure sodium lamps) will be used.*

**Conservation Measure 3:** *Minimize illumination of lighting on associated construction or operation structures by using motion sensors or heat sensors.*

**Conservation Measure 5:** *Bright white light, such as metal halide, halogen, fluorescent, mercury vapor and incandescent lamps should not be used.*

**Stressor: Human Disturbance**

**Conservation Goal:** *Minimize prolonged human presence near nesting birds during construction and maintenance actions.*

**Conservation Measure 1:** *Restrict unauthorized access to natural areas adjacent to the project site by erecting a barrier and/or avoidance buffers (e.g., gate, fence, wall) to minimize foot traffic and off-road vehicle uses.*

**Stressor: Collision**

**Conservation Goal:** *Minimize collision risk with project infrastructure and vehicles.*

**Conservation Measure 1:** *Minimize collision risk with project infrastructure (e.g., temporary and permanent) by increasing visibility through appropriate marking and design features (e.g., lighting, wire marking, etc.).*

**Conservation Measure 2:** *On bridge crossing areas with adjacent riparian, beach, estuary, or other bird habitat, use fencing or metal bridge poles (Sebastian Poles) that extend to the height of the tallest vehicles that will use the structure.*

**Conservation Measure 3:** *Install wildlife friendly culverts so rodents and small mammals can travel under any new roadways instead of over them. This may help reduce raptor deaths associated with being struck while tracking prey or scavenging road kill on the roadway.*

**Conservation Measure 4:** *Remove road-kill carcasses regularly to prevent scavenging and bird congregations along roadways.*

**Conservation Measure 5:** *Avoid planting “desirable” fruited or preferred nesting vegetation in medians or Rights of Way.*

**Conservation Measure 6:** *Eliminate use of steady burning lights on tall structures (e.g., >200 ft).*

**Stressor: Entrapment**

**Conservation Goal:** *Prevent birds from becoming trapped in project structures or perching and nesting in project areas that may endanger them.*

**Conservation Measure 1:** *Minimize entrapment and entanglement hazards through project design measures that may include:*

- a) *Installing anti-perching devices on facilities/equipment where birds may commonly nest or perch*
- b) *Covering or enclosing all potential nesting surfaces on the structure with mesh netting, chicken wire fencing, or other suitable exclusion material prior to the nesting season to prevent birds from establishing new nests. The netting, fencing, or other material must have no opening or mesh size greater than 19 mm and must be maintained until the structure is removed.*
- c) *Cap pipes and cover/seal all small dark spaces where birds may enter and become trapped.*

**Conservation Measure 2:** *Use the appropriate deterrents to prevent birds from nesting on structures where they cause conflicts, may endanger themselves, or create a human health and safety hazard.*

- a) *During the time that the birds are trying to build or occupy their nests (generally, between April and August, depending on the geographic location), potential nesting surfaces should be monitored at least once every three days for any nesting activity, especially where bird use of structures is likely to cause take. It is permissible to remove non-active nests (without birds or eggs), partially completed nests, or new nests as they are built (prior to occupation). If birds have started to build any nests, the nests shall be removed before they are completed. Water shall not be used to remove the nests if nests are located within 50 feet of any surface waters.*
- b) *If an active nest becomes established (i.e., there are eggs or young in the nest), all work that could result in abandonment or destruction of the nest shall be avoided until the young have fledged or the nest is unoccupied. Construction activities that may displace birds after they have laid their eggs and before the young have fledged should not be permitted. If the project continues into the following spring, this cycle shall be repeated. When work on the structure is complete, all netting shall be removed and properly disposed of.*

**Stressor: Noise**

**Conservation Goal:** *Prevent the increase in noise above ambient levels during the nesting bird breeding season.*

**Conservation Measure 1:** *Minimize an increase in noise above ambient levels during project construction by installing temporary structural barriers such as sand bags*

**Conservation Measure 2:** *Avoid permanent additions to ambient noise levels from the proposed project by using baffle boxes or sound walls.*

**Stressor: Chemical Contamination**

**Conservation Goal:** *Prevent the introduction of chemicals contaminants into the environment.*



**Conservation Measure 1:** Avoid chemical contamination of the project area by implementing a Hazardous Materials Plan. For more information on hazardous waste and how to properly manage hazardous waste, see the [EPA Hazardous Waste](#) website.

**Conservation Measure 2:** Avoid soil contamination by using drip pans underneath equipment and containment zones at construction sites and when refueling vehicles or equipment.

**Conservation Measure 3:** Avoid contaminating natural aquatic and wetland systems with runoff by limiting all equipment maintenance, staging laydown, and dispensing of fuel, oil, etc., to designated upland areas.

**Conservation Measure 4:** Any use of pesticides or rodenticides shall comply with the applicable [Federal and State laws](#).

1. Choose [non-chemical](#) alternatives when appropriate
2. Pesticides shall be used only in accordance with their registered uses and in accordance with the manufacturer's instructions to limit access to non-target species.
3. For general measures to reducing wildlife exposure to pesticides, see EPA's [Pesticides: Environmental Effects](#) website.

**Stressor: Fire**

**Conservation Goal:** Minimize fire potential from project-related activities.

**Conservation Measure 1:** Reduce fire hazards from vehicles and human activities (e.g., use spark arrestors on power equipment, avoid driving vehicles off road).

**Conservation Measure 2:** Consider fire potential when developing vegetation management plans by planting temporary impact areas with a palette of low-growing, sparse, fire resistant native species that meet with the approval of the County Fire Department and local FWS Office.

**During project construction:**

All food-related trash items such as wrappers, cans, bottles, and food scraps shall be disposed of in closed containers and removed at least once a week from the construction site.

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In reliance on the Section 10(a)(1)(B) Permit issued by the United States Fish and Wildlife Service and the Section 2081(b) Incidental Take Permit issued by the California Department of Fish and Wildlife, the City of Manteca has consulted with and agreed to allow coverage pursuant to the SJMSCP for the *Spreckels Distribution Center Project* its successors, agents and assigns pursuant to the "Implementation Agreement for the San Joaquin County Multi-Species Habitat Conservation and Open Space Plan" which will allow the *Spreckels Distribution Center Project*, its successors, agents and assigns to construct, operate and maintain the Project commonly known as the *Spreckels Distribution Center Project* and located on Assessor Parcel Numbers 221-250-35 which could result in a legally permitted Incidental Take of the SJMSCP Covered Species in accordance with and subject to the terms and conditions of the *Spreckels Distribution Center Project* approved by the City of Manteca. This Certification applies only to activities on the subject parcel(s) which are carried out in full compliance with the approved plans for the *Spreckels Distribution Center Project*, Section 10(a)(1)(B) Permit, and Section 2081(b) Incidental Take Permit conditions.

I have read, acknowledge, and agree to the preceding conditions:

Signed by:  
Matthew Sims  
68F5C816ADE74DE...  
Project Proponent for the *Spreckels Distribution Center Project*

9/4/2024  
Date

Matthew Sims

\_\_\_\_\_  
Please Print Name Here

**FOR SJCOG, Inc. Use Only:**

DocuSigned by:  
Laurel Boyd  
1BAB44455A46431...  
SJCOG, Inc. Staff Signature

4/21/2025  
Official Date of Issuance

Laurel Boyd  
SJCOG, Inc. Staff Print Name Here

10/21/2025  
Mitigation Due Date

