

## **Appendix C. Air Quality Technical Memorandum**

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# MEMORANDUM

**To:** Jordan Moore, Senior Planner, City of San Diego  
**From:** Sharon Toland, Senior Air Quality Specialist, Harris & Associates  
**RE:** Revised De Anza Cove Amendment to the Mission Bay Park Master Plan – Air Quality Impacts  
**Date:** March 6, 2023  
**CC:** Kelsey Hawkins, Project Manager, Harris & Associates  
**Att:** Figures; 1, 2019 Air Quality Technical Report; 2, CalEEMod Output

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An Air Quality Technical Report for the De Anza Cove Amendment to the Mission Bay Park Master Plan was prepared by Dudek in April 2019. Since the preparation of the Air Quality Technical Report, the project has been revised to accommodate additional marshland habitat (De Anza Natural Amendment to the Mission Bay Park Master Plan). The purpose of this memorandum is to compare the components of the Updated Project (Proposed Project) to the Previous 2019 Project (2018 Proposal) to identify previous analysis that applies to the Proposed Project components and to provide additional air quality and odor analysis for the Proposed Project to reflect revised components and environmental setting. The 2019 Air Quality Technical Report for the 2018 Proposal is included as Attachment 1 to this memorandum.

## Environmental Setting

The Proposed Project area is in the northeastern corner of Mission Bay Park in the City of San Diego (City) (Figure 1, Regional Location). The Proposed Project area is approximately 505.2 acres, including both land and water areas. It includes the Kendall-Frost Marsh Reserve/Northern Wildlife Preserve (KFMR/NWP), Campland on the Bay (Campland), Pacific Beach Tennis Club, athletic fields, Mission Bay Golf Course and Practice Center, and De Anza Cove area, including a vacated mobile home park and supporting infrastructure, Mission Bay RV Resort, public park, public beach, parking, and water areas (Figure 2, Project Location). The Proposed Project area falls within the boundaries of Mission Bay Park, a regional park that serves San Diego residents and visitors.

## Description of the Proposed Project

The Proposed Project is an amendment to the Mission Bay Park Master Plan (MBPMP) to update existing language in the MBPMP and add new language and recommendations pertaining to the project area to serve local and regional recreation needs while preserving and enhancing the natural resources of the De Anza Cove area. The Proposed Project expands the Proposed Project area's natural habitat and improves water quality through the creation of additional wetlands while implementing nature-based solutions to protect the City against the risk of climate change, in line with the City's Climate Resilient SD Plan. The Proposed Project would enhance the existing regional parkland by providing a variety of uses, including low-cost visitor guest accommodations (recreational vehicles and other low-cost camping facilities), active and passive recreational opportunities to enhance public use of the area, and improvements to access to recreational uses. Finally, the Proposed Project would recognize the history and ancestral homelands of the Iipay-Tipay Kumeyaay people, providing opportunities to partner and collaborate on the planning and restoration of the area. The Proposed Project would include a combination of habitat restoration, active recreation, low-cost visitor guest accommodations, and open beach and regional parkland and would modify the open water portions of De Anza Cove (Figure 3, Site Plan). The proposed land use designations for the Proposed Project area are summarized in Table 1, Proposed Land Use Acreages.

The Proposed Project would include wetlands enhancement and restoration within the existing KFMR/NWP, the area currently occupied by Campland, the eastern side of Rose Creek, and the areas in De Anza Cove currently occupied by the vacated mobile home park and open water (Figure 3). The Proposed Project would provide a total of approximately ~~227.4~~ 225.1 acres of wetlands, consisting of approximately 30.7 acres in the area currently occupied by Campland, approximately 86.8 acres of wetlands at the existing KFMR/NWP, and approximately ~~109.8~~ 107.6 acres of other new wetlands. Approximately ~~37.4~~ 36.7 acres of upland habitat, including dune, sage, and buffer area, would also be provided. Two new upland islands would be created: one in the area currently occupied by Campland and the other in the De Anza Cove area at the eastern terminus of the vacated mobile home park. ~~Two possible A locations for a new Interpretive Nature Center have been identified: one at the northwestern edge of the restoration area along Pacific Beach Drive and another~~ within the regional parkland area just north of the open beach. The nature center and its parking/service areas would be buffered by native vegetation. The open water area of De Anza Cove would be increased to approximately ~~95.9~~ 95.5 acres with the creation of new east and west outfalls that would allow water and sediment flows to proposed wetlands on either side of Rose Creek.

In addition, the Proposed Project would incorporate a range of active recreational uses on approximately ~~60.1~~ 66.5 acres in the northeastern area of the Proposed Project area (Figure 3). A portion of the Mission Bay RV Resort and the vacated mobile home park would be replaced with approximately 48.5 acres of low-cost visitor guest accommodations land use. A new channel connecting Rose Creek to the De Anza Cove water area would be constructed at approximately Lilac Drive, creating a new island that would be accessed via two new bridges. Approximately ~~26.3~~ 23.4 acres of regional parkland would be enhanced with new recreational amenities and opportunities. Three open beach areas totaling approximately 5.5 acres would be provided with access to De Anza Cove. The Proposed Project would also include approximately 2.6 acres for boat facilities and a clubhouse that could potentially be co-located with another user or public use. ~~One~~ Two potential water lease locations would be located in the cove. Water quality design features are proposed along the edges of the active recreational areas. The proposed water quality detention basins would be of differing sizes and would capture and treat stormwater before flowing into Mission Bay. New water quality basins would be located to treat the entire Proposed Project area in accordance with local and state requirements.

Multi-use paths would be throughout areas proposed for active recreation, regional parkland, low-cost visitor guest accommodations, and dune and upland areas and along the beach shorelines. Vehicular access to the Proposed Project area would be provided from Pacific Beach Drive, Grand Avenue, and North Mission Bay Drive. Service roads, vehicular access, and parking would be in areas proposed for low-cost visitor guest accommodation, regional parkland, boating, and active recreation.

Table 1 also provides a comparison of the Proposed Project's proposed land uses to the 2018 Proposal's proposed land uses, summarizing the changes in land use designations and acreages between the Proposed Project and the 2018 Proposal. Overall, the Proposed Project area (approximately 505.2 total acres) is larger compared to the 2018 Proposal area (approximately 457 total acres) because the Proposed Project would provide additional opportunities for habitat enhancement (open water). The Proposed Project includes additional enhancement and restoration opportunities, including approximately ~~177.9~~ 175 acres of expanded marshland and upland habitat, compared to the approximately 131 acres of marshland and upland habitat under the 2018 Proposal. The additional wetland enhancement would occur on either side of the connection to Rose Creek and as part of the redesign of the open water portion of the Proposed Project area, which includes an approximately 40-acre increase in open water compared to the 2018 Proposal. In addition, the Proposed Project reduces the amount of active recreational activities and eliminates the 1-acre restaurant lease space. Overall, the Proposed Project provides more habitat restoration and greater protection of natural resources compared to the 2018 Proposal.

**Table 1. Proposed Land Use Acreages**

Land Use	Proposed Project (Acres)	2018 Proposal (Acres)
KFMR/NWP	86.8	90
Expanded Marshland/Habitat	<del>138.3</del> 140.5 <sup>1</sup>	124
Upland Habitat (Dune, Sage) and Buffer Area	<del>36.7</del> 37.4	—
Low-Cost Visitor Guest Accommodations	48.5	—
Guest Housing	—	50
Regional Parkland	<del>23.4</del> 26.3	8
Boat Facilities/Clubhouse	2.6	—
Interpretive Nature Center (1 Location) <sup>2</sup>	—	—
Boat Rental Lease – Land	—	1
Boat Rental Lease – Water	—	4
Water Leases ( <del>2 Locations</del> ) <sup>23</sup>	<del>1</del> 2.1	—
Active Recreation	<del>66.5</del> 60.1	Not a Part
Athletic Fields/Tennis, Golf Course, and Water Quality Design Feature	—	63
Open Water	<del>95.5</del> 95.9	55
Open Beach	5.5	7
Road <sup>34</sup>	<del>1.4</del> 1.6	19
Natural Recreation	—	24
Upland/Developed	—	7
Coastal Landscape	—	4
Restaurant Lease	—	1
<b>Total</b>	<b>505.2</b>	<b>457</b>

**Notes:** KFMR/NWP = Kendall-Frost Marsh Reserve/Northern Wildlife Preserve

<sup>1</sup> Expanded wetlands includes approximately 30.7 acres currently occupied by Campland and approximately ~~107.6~~ 109.8 acres of other new wetlands.

<sup>2</sup> ~~Area for the Interpretive Nature Center has not been determined, and programming for the center is assumed to occur after adoption of the amendment as part of a future General Development Plan. Two alternative locations are shown, allowing for the final location to be determined in the General Development Plan process.~~

<sup>23</sup> Lease areas overlaps with other land uses; therefore, acreages are not included in the total.

<sup>34</sup> Service roads, vehicular access, and parking would be in areas proposed for low-cost visitor guest accommodations, regional parkland, boating, and active recreation, subject to future design and subsequent approvals.

## Thresholds of Significance

The 2018 Proposal was analyzed for each of the following potential impacts based on the City's California Environmental Quality Act (CEQA) Significance Determination Thresholds (City of San Diego 2022) and Appendix G of the CEQA Guidelines:

1. Conflict with or obstruct the implementation of the applicable air quality plan
2. Violate any air quality standard or contribute substantially to an existing or projected air quality violation
3. Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone [O<sub>3</sub>] precursors)

4. Expose sensitive receptors to substantial pollutant concentrations
5. Create objectionable odors affecting a substantial number of people

For each issue addressed in the 2019 Air Quality Technical Report for the 2018 Proposal, the following analysis summarizes the air quality impacts of the 2018 Proposal and provides a comparison to the potential impacts of the Proposed Project.

## **Impact 1: Would the project conflict with or obstruct the implementation of the applicable air quality plan?**

### **Summary of 2018 Proposal Impacts**

The applicable air quality plan for the 2018 Proposal was the Regional Air Quality Strategy (RAQS) and the State Implementation Plan (SIP). The SIP includes a demonstration that current strategies and tactics will maintain acceptable air quality in the San Diego Air Basin (SDAB) based on the National Ambient Air Quality Standards (NAAQS). The RAQS outlines the San Diego County Air Pollution Control District's plans and control measures designed to attain the California Ambient Air Quality Standards (CAAQS) for O<sub>3</sub>. The SIP and RAQS rely on information from the California Air Resources Board and the San Diego Association of Governments, including mobile and area source emissions, as well as information regarding projected growth in San Diego County, to project future emissions and then determine the strategies necessary for the reduction of emissions through regulatory controls. The MBPMP is the land use plan for Mission Bay Park, including the Proposed Project area, and the RAQS includes anticipated growth associated with the currently adopted MBPMP. The 2018 Proposal included land uses that were consistent with those within the MBPMP, including zoning, and did not include any growth-inducing features that would exceed the underlying growth forecasts in the RAQS. Therefore, the 2018 Proposal was consistent with the RAQS and SIP. Consequently, the 2018 Proposal was determined to not conflict or obstruct the implementation of an air quality plan, and impacts were determined to be less than significant.

### **Proposed Project Consistency Evaluation**

The Proposed Project proposes land uses that are consistent with the MBPMP and would not require a change in zoning. Similar to the 2018 Proposal, the Proposed Project would replace existing active recreational uses with similar recreational uses; however, total development would decrease because the Proposed Project includes additional habitat enhancement and restoration opportunities compared to the 2018 Proposal. The Proposed Project would not result in an increase in population and does not include any growth-inducing features. The Proposed Project would not conflict or obstruct the implementation of an air quality plan, and impacts would be less than significant.

## **Impact 2: Would the project violate any air quality standard or contribute substantially to an existing or projected air quality violation?**

### **Summary of 2018 Proposal Impacts**

A summary of the 2018 Proposal's construction and operational impacts as it relates to the violation of air quality standards or contribution to an existing or projected air quality violation is discussed below.

#### ***Construction***

Construction related to implementation of the 2018 Proposal's components would result in a temporary addition of criteria air pollutants to the local airshed caused by soil disturbance, fugitive dust emissions, and combustion pollutants from on-site construction equipment, as well as off-site trucks hauling construction materials. Emissions from the construction of the 2018 Proposal's components were estimated using the California Emissions Estimator Model (CalEEMod) version 2016.3.2. Maximum daily construction emissions for the 2018 Proposal can be found in Attachment 1. Daily construction emissions for the 2018 Proposal were below the City of San Diego's significance thresholds for all relevant pollutants (volatile organic compounds [VOC], oxides of nitrogen [NO<sub>x</sub>], carbon monoxide [CO], oxides of sulfur [SO<sub>x</sub>], coarse particulate matter [PM<sub>10</sub>], or fine particulate matter [PM<sub>2.5</sub>]). Therefore, it was determined that the 2018 Proposal would have a less than significant impact during construction.

### ***Operation***

The 2018 Proposal's components did not result in an increase in operational activity compared to the existing site for the majority of operations, including no increase in overall traffic to the site. The components of the 2018 Proposal that would have increased operational activity compared to the existing site included the food services uses and ranger station. Operational emissions were estimated using CalEEMod for both the existing Proposed Project area and 2018 Proposal area to calculate the net increase in emissions. Maximum daily operational emissions for the 2018 Proposal can be found in Attachment 1. The maximum daily net operational emissions did not exceed the City of San Diego's significance thresholds for all relevant pollutants (VOC, NO<sub>x</sub>, CO, SO<sub>x</sub>, PM<sub>10</sub>, or PM<sub>2.5</sub>) during the operation of the 2018 Proposal. Therefore, it was determined that the 2018 Proposal would have a less than significant impact during operation.

### **Proposed Project Consistency Evaluation**

Consistent with the 2018 Proposal, the Proposed Project's potential construction and operational impacts as they relate to the violation of air quality standards or contribution to an existing or projected air quality violation are discussed below.

### ***Construction***

Specific construction details, such as schedule and earthwork quantities, are not yet available for the Proposed Project. However, construction of the Proposed Project is anticipated to be substantially similar to construction anticipated for the 2018 Proposal, including construction fleet. Therefore, project construction emissions were estimated using CalEEMod (version 2020.4.0) based on similar assumptions as the 2018 Proposal. CalEEMod default assumptions for construction schedule, equipment, and vehicle trips for all phases except building construction and coating are assumed based on the proposed land uses. Construction would begin in 2030 and include typical construction phases: demolition, site preparation, grading, building construction, paving, and architectural coating. Construction equipment assumed to be used includes industrial saws, excavators, graders, dozers, scrapers, tractors, loaders, backhoes, welders, forklifts, a crane, and an air compressor. Building construction and coating trips were overestimated for the Proposed Project and were adjusted based on the amount of construction equipment and anticipated building area. Some additional excavation may be required, but it is too speculative to quantify at this time. The Proposed Project would increase habitat restoration by approximately 25 percent; therefore, soil movement and grading area were assumed to increase by approximately 25 percent compared to the 2018 Proposal. Approximately 873,886 cubic yards of overall cut and fill is assumed. It is assumed that soil cut and fill would be balanced in the Proposed Project area, with no net import or export. Haul trip length was reduced compared to default model assumptions to represent on-site movement. Compliance with San Diego County Air Pollution Control District (SDAPCD) Rule 55 to limit fugitive dust (PM<sub>10</sub> and PM<sub>2.5</sub>) and SDAPCD Rule 67.0.1 to limit VOC content of architectural coatings is assumed. Detailed modeling assumptions and output are provided in Attachment 2. Estimated construction emissions are provided in Table 2, Estimated Maximum Daily Construction Emissions for the Proposed Project. As shown in Table 2, construction would not exceed the City's significance threshold for any pollutant. Therefore, construction impacts would be less than significant.

**Table 2. Estimated Maximum Daily Construction Emissions for the Proposed Project**

Phase	VOC	NO <sub>x</sub>	CO	SO <sub>x</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
	Pounds per Day					
Demolition	2	12	20	<1	2	1
Site Preparation	2	14	17	<1	10	5
Grading	4	29	34	<1	5	2
Building Construction	1	8	17	<1	<1	<1
Paving	1	4	16	<1	<1	<1
Architectural Coating	<1	1	2	<1	<1	<1
<i>Maximum</i>	4	29	34	<1	10	5
<i>SDAPCD Threshold</i>	137	250	550	250	100	67
<b>Threshold Exceeded?</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>

**Source:** CalEEMod 2020.4.0. See Attachment 2 for complete results.

**Notes:** CO = carbon monoxide; NO<sub>x</sub> = oxides of nitrogen; PM<sub>10</sub> = coarse particulate matter; PM<sub>2.5</sub> = fine particulate matter; SDAPCD = San Diego County Air Pollution Control District; SO<sub>x</sub> = sulfur oxides; VOC = volatile organic compound

### **Operation**

The Proposed Project’s operational impacts are based on the potential net change from existing conditions. As discussed under Impact 1, the Proposed Project’s proposed land uses are consistent with what was evaluated for the 2018 Proposal. Compared to the 2018 Proposal, the Proposed Project would include more habitat restoration and enhancement opportunities and would not include as many developed uses. Therefore, maximum daily operational emissions for the Proposed Project are expected to decrease in comparison to the 2018 Proposal’s operational emissions.

Similar to the 2018 Proposal, area sources and energy use from the proposed land uses were calculated using CalEEMod. The proposed land use was adjusted to parkland, with associated building area to represent boat facilities and other buildings. Existing mobile emissions are primarily generated from the low-cost visitor guest accommodations on site, which would be reduced under the Proposed Project. As such, the Proposed Project would result in a net decrease in vehicle trips compared to existing conditions, as detailed in the project traffic analysis; therefore, mobile emissions are not included in the Proposed Project’s emissions modeling or operational impacts.

Similarly, the existing land uses currently require energy use, landscaping, and routine painting and maintenance; however, future use estimates are not available for the Proposed Project for these existing sources. It is conservatively assumed that estimated modeled emissions from these sources represent a net increase from existing conditions. Estimated energy and area source emissions from the Proposed Project’s recreational uses are provided in Table 3, Estimated Proposed Project Maximum Daily Operational Criteria Air Pollutant Emissions. CalEEMod default energy use is assumed based on the selected land uses. The operational analysis contained herein is conservative, and actual net emissions of the Proposed Project could be lower. As shown in Table 3, operation would not exceed the City’s significance threshold for any pollutant. Operational impacts would be less than significant.



**Table 3. Estimated Proposed Project Maximum Daily Operational Criteria Air Pollutant Emissions**

Emission Source	VOC	NO <sub>x</sub>	CO	SO <sub>x</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
	Pounds per Day					
Area	<1	<1	<1	<1	<1	<1
Energy	<1	<1	<1	<1	<1	<1
<b>Total</b>	<b>&lt;1</b>	<b>&lt;1</b>	<b>&lt;1</b>	<b>&lt;1</b>	<b>&lt;1</b>	<b>&lt;1</b>
<i>City Threshold</i>	<i>137</i>	<i>250</i>	<i>550</i>	<i>250</i>	<i>100</i>	<i>55</i>
<b>Threshold Exceeded?</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>

Source: CalEEMod 2020.4.0. See Attachment 2 for complete results.

Notes: CO = carbon monoxide; NO<sub>x</sub> = oxides of nitrogen; PM<sub>10</sub> = coarse particulate matter; PM<sub>2.5</sub> = fine particulate matter; SO<sub>x</sub> = sulfur oxides; VOC = volatile organic compound

**Impact 3: Would the project result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for O<sub>3</sub> precursors)?**

**Summary of 2018 Proposal Impacts**

In analyzing cumulative impacts from the 2018 Proposal, the analysis evaluated if the 2018 Proposal would contribute to a cumulative increase in pollutants for which the SDAB is designated as non-attainment for the CAAQS and NAAQS. The emissions of all criteria pollutants would be below the significance levels for the 2018 Proposal during construction and operation. In addition, the 2018 Proposal’s components were consistent with the existing zoning and land use designations for the site and would not result in additional population growth or growth-inducing effects. Therefore, it was determined that the 2018 Proposal would not result in a cumulatively considerable contribution to regional O<sub>3</sub> concentrations or other criteria pollutant emissions, and cumulative impacts would be less than significant.

**Proposed Project Consistency Evaluation**

Emissions of all criteria pollutants would be below the significance levels for the Proposed Project during construction and operation, as shown in Table 2 and Table 3. In addition, as discussed in Impact 1, the Proposed Project would be consistent with the existing zoning and land use designations for the site. Therefore, the Proposed Project would not result in a cumulatively considerable contribution to criteria pollutant emissions, and impacts would be less than significant.

**Impact 4: Would the project expose sensitive receptors to substantial pollutant concentrations?**

**Summary of 2018 Proposal Impacts**

The 2018 Proposal was evaluated for potential impacts related to toxic air contaminants (TACs), carbon monoxide (CO) hotspots, and health impacts of criteria pollutants. These impacts are summarized separately below.

**Toxic Air Contaminants**

Project impacts may include emissions of pollutants identified by the state and federal government as TACs or hazardous air pollutants. The greatest potential for TAC emissions during construction would be diesel particulate matter emissions from heavy equipment operations and heavy-duty trucks and the associated health impacts to sensitive receptors. The nearest sensitive receptors to the 2018 Proposal are Mission Bay High School to the north and residential neighborhoods to the north and west. Cancer risk calculations were performed to determine the potential health risk associated with construction of the 2018 Proposal. Emissions of diesel particulate matter

generated by construction of the 2018 Proposal resulted in cancer and noncarcinogenic risk below the applicable thresholds. Therefore, it was determined that impacts associated with the exposure of 2018 Proposal-related TAC emission to sensitive receptors were less than significant.

***Carbon Monoxide Hotspots***

Projects contributing to adverse traffic impacts may result in the formation of CO hotspots. A screening evaluation of the potential for CO hotspots was conducted to verify the 2018 Proposal would not cause or contribute to a violation of the CO standard. The SDAB is designated an attainment area for CO, and the 2018 Proposal would result in an overall decrease in traffic in the 2018 Proposal area due to the smaller number of RV/campsites and the consolidation of Campland and De Anza Cove. Thus, there would be an associated reduction in the potential for the 2018 Proposal to contribute to a CO hotspot. Therefore, it was determined that the 2018 Proposal would result in a less than significant impact regarding potential CO hotspots.

***Health Impacts of Criteria Pollutants***

Construction and operation of the 2018 Proposal would not result in emissions that exceed the City’s significance thresholds for any criteria air pollutants. Therefore, it was determined that health impacts associated with criteria air pollutants would be considered less than significant.

**Proposed Project Consistency Evaluation**

Consistent with the 2018 Proposal, the Proposed Project is evaluated for potential impacts related to TACs, CO hotspots, and health impacts of criteria pollutants below.

***Toxic Air Contaminants***

Specific construction details, such as schedule and earthwork quantities, are not yet available for the Proposed Project. However, construction of the Proposed Project is anticipated to be substantially similar to construction anticipated for the 2018 Proposal, with slight additional excavation. Maximum exhaust emissions from the 2018 Proposal and Proposed Project are compared in Table 4, Maximum Exhaust Particulate Matter Emissions. A 5.75-year exposure scenario was assumed for the 2018 Proposal, which was the anticipated construction duration at the time of health risk modeling. This is conservative compared to the CalEEMod estimated construction schedule for the Proposed Project, which assumes that the most intense phases of construction, demolition, and grading, when heavy-duty truck trips would be required, would occur for approximately 3 years. Additionally, the modeling is effort is conservative because it does not take into account increases in fuel emissions standards that would reduce emissions exposure in later construction years. Proposed Project diesel particulate matter emissions from heavy equipment operations and heavy-duty trucks would be similar to the 2018 Proposal and are not anticipated to result in a cancer risk to nearby sensitive receptors. Impacts would be less than significant.

**Table 4. Maximum Exhaust Particulate Matter Emissions**

	PM <sub>10</sub>		PM <sub>2.5</sub>	
	Max Daily (lbs/day)	Max Annual (tons/year)	Max Daily (lbs/day)	Max Annual (tons/year)
2018 Proposal	2	<1	2	<1
Proposed Project	1	<1	1	<1

**Source:** See Attachments 1 and 2 for modeling results.

**Notes:** PM<sub>10</sub> = coarse particulate matter; PM<sub>2.5</sub> = fine particulate matter

***Carbon Monoxide Hotspots***

The Transportation Impact Analysis for the Proposed Project determined that implementation of the Proposed Project would result in a net decrease in vehicle trips compared to existing conditions, similar to the 2018 Proposal (CR Associates 2023). Therefore, the Proposed Project would not contribute to a CO hotpot, and impacts would be less than significant.

### ***Health Impacts of Criteria Pollutants***

Construction and operation of the Proposed Project would not result in emissions that exceed the City's significance thresholds for any criteria air pollutants because overall development would be less than the 2018 Proposal. Therefore, Proposed Project health impacts associated with criteria air pollutants would be less than significant.

## **Impact 5: Would the project create objectionable odors affecting a substantial number of people?**

### **Summary of 2018 Proposal Impacts**

The California Health and Safety Code, Division 26, Part 4, Chapter 3, Section 41700, and SDAPCD Rule 51 regulates the generation of nuisance odors. The 2018 Proposal would generate odors from vehicles and/or equipment exhaust emissions during construction of the project facilities. Odors produced during construction would be attributable to concentrations of unburned hydrocarbons from tailpipes of construction equipment and architectural coatings. The 2018 Proposal is adjacent to and just south of Mission Bay High School and residential developments. However, due to the temporary nature of construction, nearby sensitive receptors would only be intermittently exposed to any short-term odors produced by construction activities within the 2018 Proposal area. Upon completion of construction of the 2018 Proposal, the land uses would include natural habitat, guest housing, and a food services building, which are not typically associated with nuisance odors. Therefore, odor impacts from construction and operation of the 2018 Proposal were determined to be less than significant.

### **Proposed Project Consistency Evaluation**

Similar to the 2018 Proposal, the Proposed Project would generate construction odors. Such odors are temporary and, for the types of construction activities anticipated for the Proposed Project, would generally occur at magnitudes that would not affect substantial numbers of people. In addition, the Proposed Project does not include land uses typically associated with nuisance odors or producing objectionable odors affecting a considerable number of sensitive receptors. Odor impacts would be less than significant.

## **Summary**

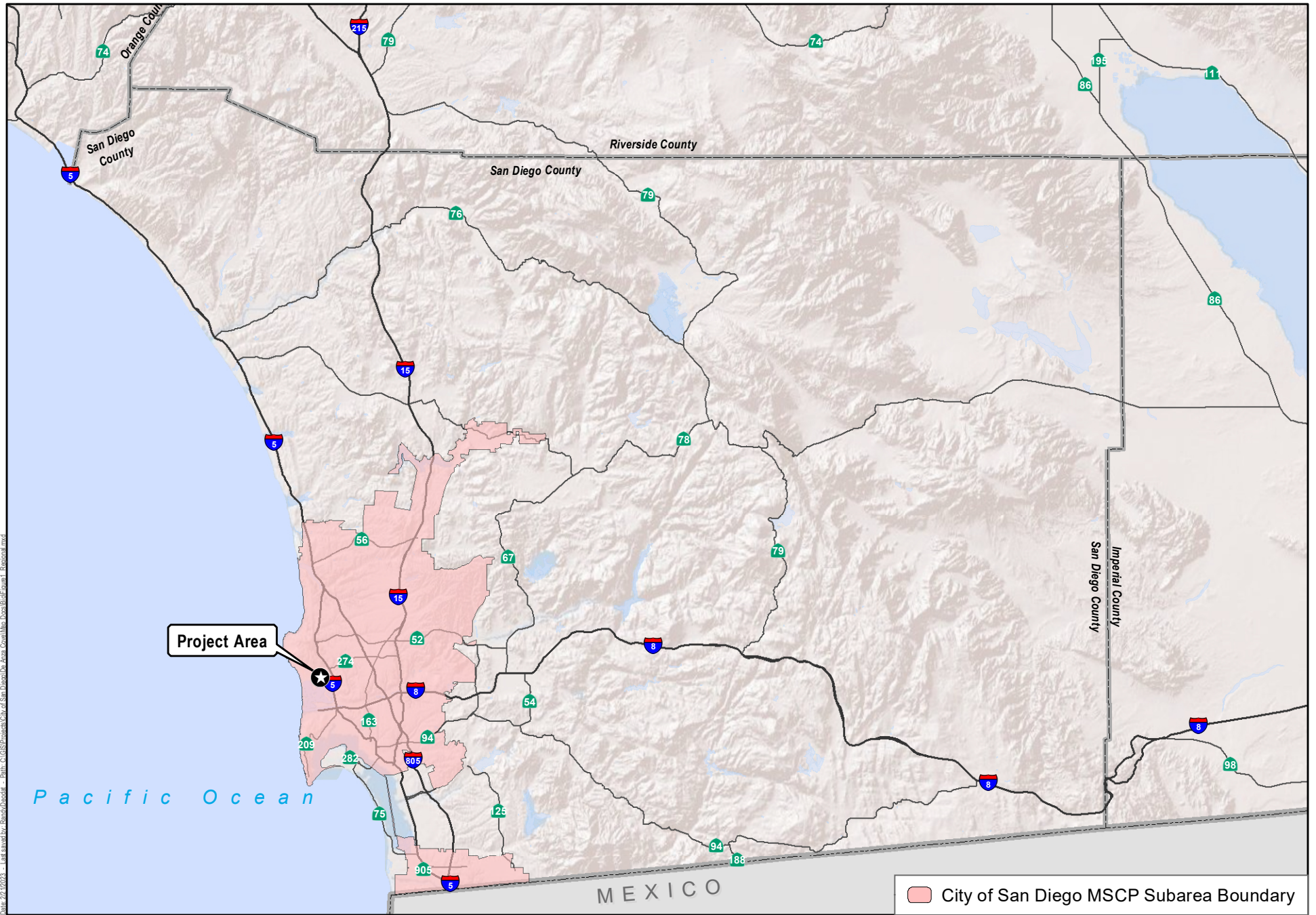
The Proposed Project does not include any components that would result in a new air quality impact that was not identified for the 2018 Proposal. The Proposed Project would result in less than significant impacts related to implementation of an air quality plan, air quality violations, criteria pollutants, sensitive receptors, and objectionable odors.

## **References**

City of San Diego. 2022. CEQA Significance Determination Thresholds. September. Accessed March 2023. [https://www.sandiego.gov/sites/default/files/september\\_2022\\_ceqa\\_thresholds\\_final.pdf](https://www.sandiego.gov/sites/default/files/september_2022_ceqa_thresholds_final.pdf).

CR Associates. 2023. De Anza Cove Amendment – Transportation Impact Analysis.

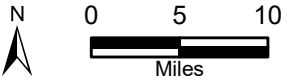
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Date: 2/21/2023... Path: C:\GIS\Projects\City of San Diego\De Anza\_Cov\Map\_Docs\BLof\_Sant... Regional.mxd

City of San Diego MSCP Subarea Boundary

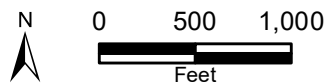
Source: ESRI 2020.



**Figure 1**  
Regional Location



Source: SanGIS Imagery 2019.

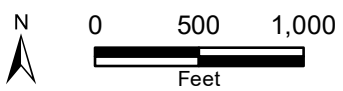


**Figure 2**  
Project Location

De Anza Natural Amendment to the Mission Bay Park Master Plan



Source: City of San Diego 2023.



**Figure 3**  
Site Plan

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**Attachment 1. 2019 Air Quality Technical Report**

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**Air Quality Technical Report  
for the  
De Anza Cove Amendment – Mission Bay Park Master Plan  
City of San Diego, California**

*Prepared for:*

**City of San Diego – Planning Department**  
9485 Aero Drive, Suite M.S. 413  
San Diego, California 92123  
*Contact: Scott Sandel*

*Prepared by:*

**DUDEK**  
605 Third Street  
Encinitas, California 92024  
*Contact: Adam Poll, LEED AP BD+C, QEP*

**APRIL 2019**



# Air Quality Technical Report for the De Anza Cove Amendment – Mission Bay Park Master Plan

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## ACRONYMS AND ABBREVIATIONS

Acronym/Abbreviation	Definition
$\mu\text{g}/\text{m}^3$	micrograms per cubic meter
AB	Assembly Bill
ADMRT	Air Dispersion Modeling and Risk Tool
AERMOD	American Meteorological Society/Environmental Protection Agency Regulatory Model
CAA	Clean Air Act
CAAQS	California Ambient Air Quality Standards
CalEEMod	California Emissions Estimator Model
Campland	Campland on the Bay
CARB	California Air Resources Board
CEQA	California Environmental Quality Act
City	City of San Diego
CO	carbon monoxide
CO <sub>2</sub>	carbon dioxide
DPM	diesel particulate matter
EPA	U.S. Environmental Protection Agency
GHG	greenhouse gas
HAPs	Hazardous Air Pollutants
HARP2	Hotspots Analysis and Reporting Program Version 2
HRA	Health Risk Assessment
MEIR	Maximally Exposed Individual Resident
$\text{mg}/\text{m}^3$	milligrams per cubic meter
NAAQS	National Ambient Air Quality Standards
NO <sub>2</sub>	nitrogen dioxide
N <sub>2</sub> O	nitrous oxide
NO <sub>x</sub>	oxides of nitrogen
O <sub>3</sub>	ozone
OEHHA	Office of Environmental Health Hazard Assessment
Pb	lead
PM <sub>2.5</sub>	fine particulate matter
PM <sub>10</sub>	coarse particulate matter
ppb	parts per billion
ppm	parts per million
proposed project	De Anza Cove Amendment – Mission Bay Park Master Plan
RAQS	Regional Air Quality Strategy
REL	reference exposure level
SANDAG	San Diego Association of Governments
SB	Senate Bill
SDAB	South Diego Air Basin
SDAPCD	San Diego Air Pollution Control District

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Acronym/Abbreviation	Definition
SIP	State Implementation Plan
SO <sub>2</sub>	sulfur dioxide
SO <sub>x</sub>	oxides of sulfur
TAC	toxic air contaminant
VOC	volatile organic compound



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## SUMMARY

The De Anza Cove Amendment – Mission Bay Park Master Plan (proposed project) area is located in the northeast corner of Mission Bay Park in the City of San Diego (City). The project area covers approximately 318 acres of land and includes approximately 139 acres of open water for a total of approximately 457 acres, and includes the Kendall-Frost Marsh Reserve/National Wildlife Preserve (KFMR/NWP), Campland on the Bay (Campland), the De Anza Special Study Area, and adjacent recreational areas. The proposed project includes recommendations to serve regional recreation needs, including guest housing (recreational vehicles and other low cost camping facilities); improve the park's water quality, including creating additional wetlands; facilitate hydrologic improvements to safeguard the viability of marsh areas; provide a waterfront trail, viewing areas, and other passive recreational features to enhance public use of the area; ensure leaseholds support Mission Bay recreation use; improve access to recreational uses; and improve play areas for regional recreational needs. The proposed project seeks to implement the recommendations of the adopted Mission Bay Park Master Plan.

The air quality impact analysis provides an evaluation of the potential for significant adverse impacts to the ambient air quality due to construction and operational criteria air pollutant emissions resulting from the proposed project. Construction of the proposed facilities would result in a temporary addition of pollutants to the local airshed caused by soil disturbance, fugitive dust emissions, and combustion pollutants from on-site construction equipment, as well as from off-site trucks hauling construction materials. The analysis concludes that the daily construction emissions would not exceed the City's significance thresholds for all criteria air pollutants. Construction emissions would result in a **less-than-significant** impact.

Operational emissions were also found to be below the City's significance thresholds; therefore, impacts during proposed project operation would be **less than significant**. Additionally, impacts to sensitive receptors during temporary construction activities and operation of the proposed project were determined to be **less than significant**. The health risk assessment performed for proposed project operation resulted in **less-than-significant** impacts from toxic air contaminants. Lastly, odor impacts would be **less than significant** during construction and operation.

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## 1 INTRODUCTION

The De Anza Cove Amendment – Mission Bay Park Master Plan (proposed project) includes recommendations to serve regional recreation needs, including guest housing (recreational vehicles and other low cost camping facilities); improve the park’s water quality, including creating additional wetlands; facilitate hydrologic improvements to safeguard the viability of marsh areas; provide a waterfront trail, viewing areas, and other passive recreational features to enhance public use of the area; ensure leaseholds support Mission Bay recreation use; improve access to recreational uses; and improve play areas for regional recreational needs. The proposed project seeks to implement the recommendations of the adopted Mission Bay Park Master Plan.

### 1.1 Purpose

The purpose of this report is to estimate and evaluate the potential air quality impacts associated with implementation of the proposed project relative to the City of San Diego’s (City’s) California Environmental Quality Act (CEQA) Significance Determination Thresholds (City of San Diego 2016) and for compliance with applicable state and federal rules and regulations.

### 1.2 Project Location

The project area is located in the northeast corner of Mission Bay Park in the City (see Figure 1, Project Location). The subject property is approximately 318 acres of land and approximately 139 acres of open water for a total of approximately 457 acres. The project area includes the Kendall-Frost Marsh Reserve/Northern Wildlife Preserve (KFMR/NWP); Campland on the Bay (Campland) areas; the Mission Bay Tennis Center, Athletic Fields, and Golf Course; and the De Anza Cove Area, which was formerly the De Anza Special Study Area as designated in the Mission Bay Park Master Plan, including the water area of De Anza Cove.

The KFMR/NWP is approximately 90 acres and is bordered on the west and north by residential development and roadways, on the east by Campland, and on the south by Mission Bay. KFMR/NWP consists mostly of vegetated wetland. Campland is approximately 46 acres and is located directly east of KFMR/NWP. Campland is located on City-owned land and is currently a leasehold and privately operated, RV and tent camping area with condominiums along the northern and western boundaries. The De Anza Cove Area is approximately 100 acres and is located directly to the east of Campland and Rose Creek and south of North Mission Bay Drive. The De Anza Cove Area consists of an abandoned mobile home park and supporting infrastructure (e.g., roads, utilities, parking lots, driveways), an existing campground for 260 RV sites, Mission Bay Regional Park, and a public beach and parking area. North Mission Bay Drive bisects the De Anza Cove Area and recreational areas to the

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north. The recreational areas are approximately 63 acres and include the Mission Bay Tennis Center, Athletic Fields, and Golf Course.

## **1.3 Project Description**

As previously described, the proposed project seeks to implement the recommendations of the Mission Bay Park Master Plan. The following describes the components of the proposed project.

### **Kendall-Frost Marsh Reserve/Northern Wildlife Preserve Area**

The proposed project would expand the existing KFMR/NWP to the east where Campland currently exists, as recommended in the adopted Mission Bay Park Master Plan. The proposed project would replace the existing Campland area with habitat area, including a combination of wetlands and upland habitat. The total area would be approximately 124 acres, in addition to the existing 90 acres of KFMR/NWP.

### **Mission Bay Tennis Center, Athletic Fields, and Golf Course**

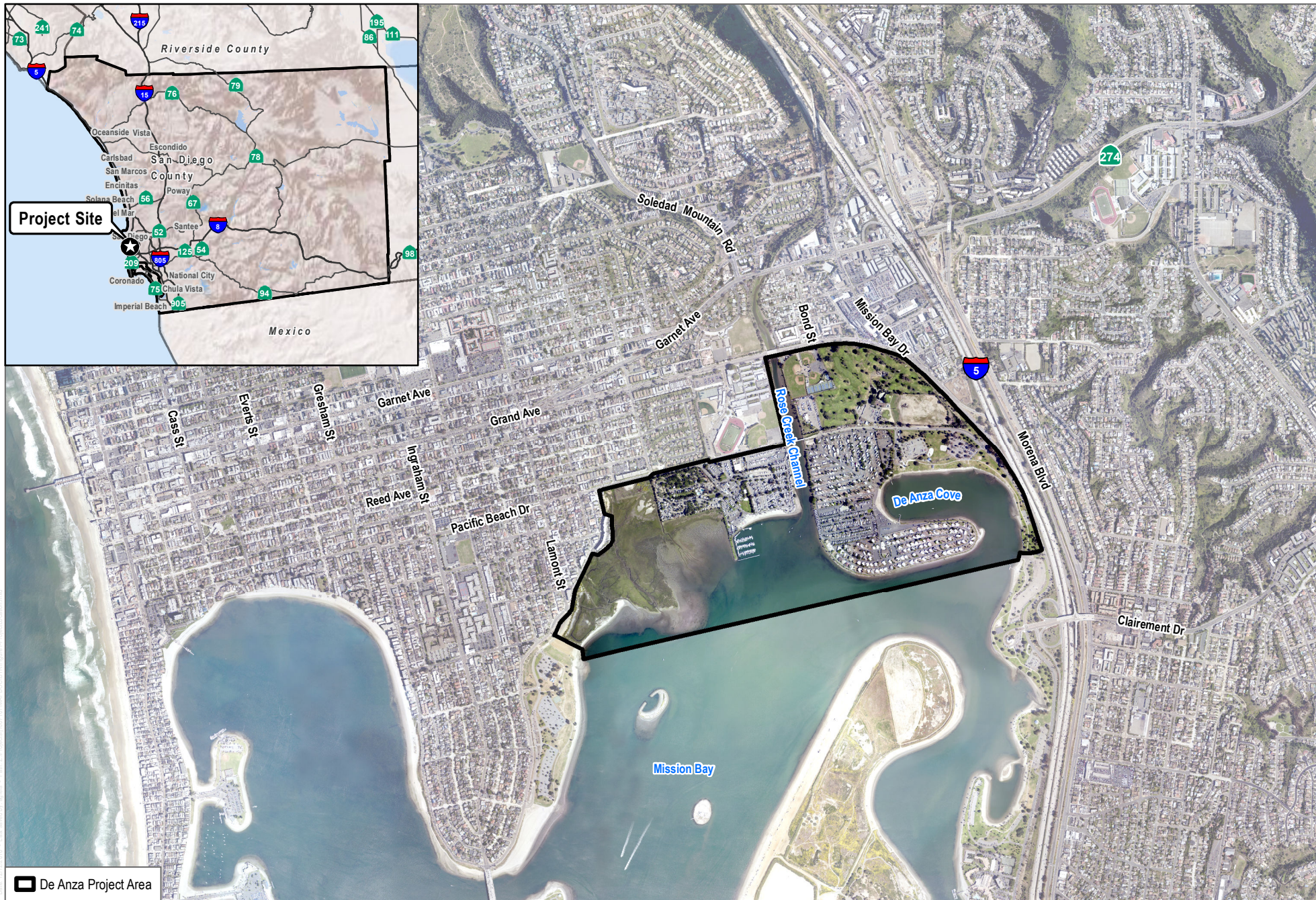
The northern area currently provides active recreational facilities. The proposed project would retain the existing recreational uses, which include the Golf Course, currently operated and managed by the City; the Athletic Fields, used by Mission Bay Little League; and the Tennis Center, used by the Pacific Beach Tennis Club. While existing recreational opportunities would be retained, several facilities would be upgraded and relocated for better functionality and to enhance public accessibility.

### **De Anza Cove Area**

The De Anza Cove Area is located south of North Mission Bay Drive and east of Rose Creek Channel. The land uses proposed within this area include guest housing, regional parkland, wetland/marshland/natural recreation, upland/developed and coastal landscape recreation areas, potential leases, beach and water quality features, and surface parking, which are further explained below.

#### ***Guest Housing***

The proposed project would replace the RV campground and vacated De Anza Mobile Home Park with low-cost guest housing. The low-cost guest housing would allow for up to 590 camping sites for RVs, cabins, or other eco-friendly accommodations and associated open space and facilities consistent with camping accommodations. In addition, surface parking would be provided as needed to meet City requirements for the guest housing component.



SOURCE: City San Diego 2018; SANGIS 2017, 2018

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## ***Regional Parkland, Potential Leases, and Beach***

The existing Regional Parkland would be enhanced by new recreational amenities and opportunities. A supervised swimming beach area would be provided at the west end of De Anza Cove. The swimming area will be protected by buffers/safety measures that would separate the swimmers from the boat users. A boat rental facility/dock area is proposed at the east end of De Anza Cove. In the center, recreational amenities would include a passive, “Open Green” area and an “Adventure Play” area. A snack shack, restrooms, and picnic shelters would be provided to support the recreational activities. Additionally, the beach area is proposed to be expanded. Surface parking would be provided as needed to meet City requirements for the recreational areas.

## ***Wetland/Marshland/Natural Recreation***

The wetland/marshland/natural recreation area would be composed of both habitat areas and naturally vegetated recreational areas and would create a natural interface with the cove and enhance water quality in the bay.

## ***Upland/Developed and Coastal Landscape Recreation Area***

The Upland/Developed and Coastal Landscape Recreation areas would accommodate a proposed multi-use path, mounded landform, and iconic overlook. The mounded landform would feature an elevated, iconic overlook facility. The mounded landform would be accessible from the waterfront trail. Within this area, passive recreation amenities such as overlooks, pathways, picnic areas, and interpretive signs could be located. This area would serve as a buffer between guest housing and wetland/marshland/natural recreation.

## ***Water Quality Features***

Water quality-enhancing features are proposed along the outer perimeter of the proposed guest housing and recreational areas. The proposed water quality basins would capture and treat stormwater before flowing into Mission Bay. New water quality basins will be located to treat the entire project area per local and state requirements.

The water quality detention basins would be designed with a sediment forebay, riprap at the base of a height-appropriate riser, a height-appropriate embankment specific for each area of treatment, with a concrete base at the riser, and riprap at the base of the barrel to reduce sediment and erosion at the outflow. Aquatic plants would be located within the sediment forebay to reduce sediment and total suspended solids from stormwater. Additional water quality enhancing features would include vegetated areas bordering all development areas to further reduce stormwater contamination, including debris and sediment, from reaching Mission Bay.

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In addition to water quality detention basins, the proposed project would incorporate site-specific best management practices to enhance water quality. These best management practices include native species plants for landscaping, which would not require additional fertilizers in order to reduce the potential for added nutrients into nearby water bodies, as well as efficient irrigation practices wherever feasible to reduce nutrient runoff. The proposed project would incorporate storm drainage signage featuring a statement such as “NO DUMPING” or “DRAINS TO OCEAN” in order to discourage illegal dumping by visitors.

### ***Surface Parking***

Three surface parking lots are proposed in the De Anza Cove. Parking spaces would be located at the southern portion of the low-cost guest housing area for easy access to the proposed bike/pedestrian waterfront trail. Two surface parking lots are proposed at De Anza Cove and would be accessible from North Mission Bay Drive.



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## 2 EXISTING CONDITIONS

### 2.1 Climate and Topography

The weather of the San Diego region, as in most of Southern California, is influenced by the Pacific Ocean and its semi-permanent high-pressure systems that result in dry, warm summers and mild, occasionally wet winters. The average temperature ranges (in degrees °F) from the mid-40s to the high 90s. Most of the region's precipitation falls from November to April, with infrequent (approximately 10%) precipitation during the summer. The average seasonal precipitation along the coast is approximately 10 inches; the amount increases with elevation as moist air is lifted over the mountains (WRCC 2016).

The topography in the San Diego region varies greatly, from beaches on the west to mountains and desert on the east; along with local meteorology, it influences the dispersal and movement of pollutants in the basin. The mountains to the east prohibit dispersal of pollutants in that direction and help trap them in inversion layers.

The interaction of ocean, land, and the Pacific High Pressure Zone maintains clear skies for much of the year and influences the direction of prevailing winds (westerly to northwesterly). Local terrain is often the dominant factor inland, and winds in inland mountainous areas tend to blow through the valleys during the day and down the hills and valleys at night.

### 2.2 San Diego Air Basin Climatology

The project area is located within the San Diego Air Basin (SDAB or basin) and is subject to the San Diego Air Pollution Control District (SDAPCD) guidelines and regulations. The SDAB is one of 15 air basins that geographically divide the State of California. The SDAB is currently classified as a federal nonattainment area for ozone (O<sub>3</sub>) and a state nonattainment area for particulate matter less than 10 microns (PM<sub>10</sub>), particulate matter less than 2.5 microns (PM<sub>2.5</sub>), and O<sub>3</sub>.

The SDAB lies in the southwest corner of California and comprises the entire San Diego region, covering 4,260 square miles, and is an area of high air pollution potential. The SDAB experiences warm summers, mild winters, infrequent rainfalls, light winds, and moderate humidity. This usually mild climatological pattern is interrupted infrequently by periods of extremely hot weather, winter storms, or Santa Ana winds.

The climate also drives the pollutant levels. The climate of San Diego is classified as Mediterranean, but it is incredibly diverse due to the topography. The climate is dominated by the Pacific High pressure system that results in mild, dry summers and mild, wet winters. The Pacific High drives the prevailing winds in the SDAB. The winds tend to blow onshore during the daytime

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and offshore at night. In the fall months, the SDAB is often impacted by Santa Ana winds. These winds are the result of a high-pressure system over the Nevada–Utah region that overcomes the westerly wind pattern and forces hot, dry winds from the east to the Pacific Ocean (SDAPCD 2015a). The winds blow the SDAB’s pollutants out to sea. However, a weak Santa Ana can transport air pollution from the South Coast Air Basin and greatly increase the San Diego O<sub>3</sub> concentrations. A strong Santa Ana also primes the vegetation for firestorm conditions.

The SDAB experiences frequent temperature inversions. Subsidence inversions occur during the warmer months as descending air associated with the Pacific High Pressure Zone meets cool marine air. The boundary between the two layers of air creates a temperature inversion that traps pollutants. The other type of inversion, a radiation inversion, develops on winter nights when air near the ground cools by heat radiation and air aloft remains warm. The shallow inversion layer formed between these two air masses also can trap pollutants. As the pollutants become more concentrated in the atmosphere, photochemical reactions occur that produce O<sub>3</sub>, which contributes to the formation of smog. Smog is a combination of smoke and other particulates, O<sub>3</sub>, hydrocarbons, oxides of nitrogen (NO<sub>x</sub>) and other chemically reactive compounds which, under certain conditions of weather and sunlight, may result in a murky brown haze that causes adverse health effects (CARB 2016a).

Light daytime winds, predominately from the west, further aggravate the condition by driving air pollutants inland, toward the mountains. During the fall and winter, air quality problems are created due to carbon monoxide (CO) and NO<sub>x</sub> emissions. CO concentrations are generally higher in the morning and late evening. In the morning, CO levels are elevated due to cold temperatures and the large number of motor vehicles traveling. Higher CO levels during the late evenings are a result of stagnant atmospheric conditions trapping CO in the area. Since CO is produced almost entirely from automobiles, the highest CO concentrations in the basin are associated with heavy traffic. Nitrogen dioxide (NO<sub>2</sub>) levels are also generally higher during fall and winter days.

### **2.3 Sensitive Receptors**

Air quality varies as a direct function of the amount of pollutants emitted into the atmosphere, the size and topography of the air basin, and the prevailing meteorological conditions. Air quality problems arise when the rate of pollutant emissions exceeds the rate of dispersion. Reduced visibility, eye irritation, and adverse health impacts upon those persons termed sensitive receptors are the most serious hazards of existing air quality conditions in the area.

Some land uses are considered more sensitive to changes in air quality than others, depending on the population groups and the activities involved. People most likely to be affected by air pollution include children, the elderly, athletes, and people with cardiovascular and chronic respiratory diseases. Facilities and structures where these air pollution-sensitive people live or spend

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considerable amounts of time are known as sensitive receptors. Land uses where air pollution-sensitive individuals are most likely to spend time include schools and schoolyards, parks and playgrounds, daycare centers, nursing homes, athletic fields, hospitals, and residential communities (sensitive sites or sensitive land uses) (CARB 2005). The proposed project is adjacent to and just south of Mission Bay High School and residential developments.

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## 3 POLLUTANTS AND EFFECTS

### 3.1 Criteria Air Pollutants

Criteria air pollutants are defined as pollutants for which the federal and state governments have established ambient air quality standards, or criteria, for outdoor concentrations to protect public health. The federal and state standards have been set, with an adequate margin of safety, at levels above which concentrations could be harmful to human health and welfare. These standards are designed to protect the most sensitive persons from illness or discomfort. Pollutants of concern include O<sub>3</sub>, NO<sub>2</sub>, CO, sulfur dioxide (SO<sub>2</sub>), PM<sub>10</sub>, PM<sub>2.5</sub>, and lead (Pb). These pollutants are discussed in the following paragraphs.<sup>1</sup> In California, sulfates, vinyl chloride, hydrogen sulfide, and visibility-reducing particles are also regulated as criteria air pollutants.

**Ozone.** O<sub>3</sub> is a colorless gas that is formed in the atmosphere when volatile organic compounds (VOCs), sometimes referred to as reactive organic gases, and NO<sub>x</sub> react in the presence of ultraviolet sunlight. O<sub>3</sub> is not a primary pollutant; it is a secondary pollutant formed by complex interactions of two pollutants directly emitted into the atmosphere. The primary sources of VOCs and NO<sub>x</sub>, the precursors of O<sub>3</sub>, are automobile exhaust and industrial sources. Meteorology and terrain play major roles in O<sub>3</sub> formation, and ideal conditions occur during summer and early autumn, on days with low wind speeds or stagnant air, warm temperatures, and cloudless skies. Short-term exposures (lasting for a few hours) to O<sub>3</sub> at levels typically observed in Southern California can result in breathing pattern changes, reduction of breathing capacity, increased susceptibility to infections, inflammation of the lung tissue, and some immunological changes.

**Nitrogen Dioxide.** Most NO<sub>2</sub>, like O<sub>3</sub>, is not directly emitted into the atmosphere but is formed by an atmospheric chemical reaction between nitric oxide (NO) and atmospheric oxygen. NO and NO<sub>2</sub> are collectively referred to as NO<sub>x</sub> and are major contributors to O<sub>3</sub> formation. High concentrations of NO<sub>2</sub> can cause breathing difficulties and result in a brownish-red cast to the atmosphere with reduced visibility. There is some indication of a relationship between NO<sub>2</sub> and chronic pulmonary fibrosis, and some increase in bronchitis in children (2 and 3 years old) has also been observed at concentrations below 0.3 parts per million by volume (ppm).

**Carbon Monoxide.** CO is a colorless and odorless gas formed by the incomplete combustion of fossil fuels. CO is emitted almost exclusively from motor vehicles, power plants, refineries, industrial boilers, ships, aircraft, and trains. In urban areas, such as the project area, automobile

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<sup>1</sup> The following descriptions of health effects for each of the criteria air pollutants associated with proposed project construction and operations are based on the U.S. Environmental Protection Agency's "Six Common Air Pollutants" (EPA 2012) and the California Air Resources Board's "Glossary of Air Pollutant Terms" (CARB 2016a) published information.

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exhaust accounts for the majority of CO emissions. CO is a nonreactive air pollutant that dissipates relatively quickly; therefore, ambient CO concentrations generally follow the spatial and temporal distributions of vehicular traffic. CO concentrations are influenced by local meteorological conditions: primarily wind speed, topography, and atmospheric stability. CO from motor vehicle exhaust can become locally concentrated when surface-based temperature inversions are combined with calm atmospheric conditions, a typical situation at dusk in urban areas between November and February. The highest levels of CO typically occur during the colder months of the year when inversion conditions are more frequent. In terms of health, CO competes with oxygen, often replacing it in the blood, thus reducing the blood's ability to transport oxygen to vital organs. The results of excess CO exposure can be dizziness, fatigue, and impairment of central nervous system functions.

**Sulfur Dioxide.** SO<sub>2</sub> is a colorless, pungent gas formed primarily by the combustion of sulfur-containing fossil fuels. Main sources of SO<sub>2</sub> are coal and oil used in power plants and industries; as such, the highest levels of SO<sub>2</sub> are generally found near large industrial complexes. In recent years, SO<sub>2</sub> concentrations have been reduced by the increasingly stringent controls placed on stationary source emissions of SO<sub>2</sub> and limits on the sulfur content of fuels. SO<sub>2</sub> is an irritant gas that attacks the throat and lungs and can cause acute respiratory symptoms and diminished ventilator function in children. SO<sub>2</sub> can also yellow plant leaves and erode iron and steel.

**Particulate Matter.** Particulate matter pollution consists of very small liquid and solid particles floating in the air, which can include smoke, soot, dust, salts, acids, and metals. Particulate matter can form when gases emitted from industries and motor vehicles undergo chemical reactions in the atmosphere. PM<sub>2.5</sub> and PM<sub>10</sub> represent fractions of particulate matter. Fine particulate matter, or PM<sub>2.5</sub>, is roughly 1/28 the diameter of a human hair. PM<sub>2.5</sub> results from fuel combustion (e.g., motor vehicles, power generation, and industrial facilities), residential fireplaces, and wood stoves. In addition, PM<sub>2.5</sub> can be formed in the atmosphere from gases such as sulfur oxides (SO<sub>x</sub>), NO<sub>x</sub>, and VOC. Inhalable or coarse particulate matter, or PM<sub>10</sub>, is about 1/7 the thickness of a human hair. Major sources of PM<sub>10</sub> include crushing or grinding operations; dust stirred up by vehicles traveling on roads; wood burning stoves and fireplaces; dust from construction, landfills, and agriculture; wildfires and brush/waste burning; industrial sources; windblown dust from open lands; and atmospheric chemical and photochemical reactions.

PM<sub>2.5</sub> and PM<sub>10</sub> pose a greater health risk than larger-size particles. When inhaled, these tiny particles can penetrate the human respiratory system's natural defenses and damage the respiratory tract. PM<sub>2.5</sub> and PM<sub>10</sub> can increase the number and severity of asthma attacks, cause or aggravate bronchitis and other lung diseases, and reduce the body's ability to fight infections. Very small particles of substances, such as Pb, sulfates, and nitrates, can cause lung damage directly or be absorbed into the blood stream, causing damage elsewhere in the body. Additionally, these

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substances can transport absorbed gases, such as chlorides or ammonium, into the lungs, also causing injury. Whereas PM<sub>10</sub> tends to collect in the upper portion of the respiratory system, PM<sub>2.5</sub> is so tiny that it can penetrate deeper into the lungs and damage lung tissues. Suspended particulates also damage and discolor surfaces on which they settle, as well as produce haze and reduce regional visibility.

**Lead.** Lead in the atmosphere occurs as particulate matter. Sources of lead include leaded gasoline, the manufacturing of batteries, paint, ink, ceramics, and ammunition and secondary lead smelters. Prior to 1978, mobile emissions were the primary source of atmospheric lead. Between 1978 and 1987, the phaseout of leaded gasoline reduced the overall inventory of airborne lead by nearly 95%. With the phaseout of leaded gasoline, secondary lead smelters, battery recycling, and manufacturing facilities are becoming lead-emission sources of greater concern.

Prolonged exposure to atmospheric lead poses a serious threat to human health. Health effects associated with exposure to lead include gastrointestinal disturbances, anemia, kidney disease, and in severe cases, neuromuscular and neurological dysfunction. Of particular concern are low-level lead exposures during infancy and childhood. Such exposures are associated with decrements in neurobehavioral performance, including intelligence quotient performance, psychomotor performance, reaction time, and growth.

## 3.2 Non-criteria Pollutants

**Toxic Air Contaminants.** A substance is considered toxic if it has the potential to cause adverse health effects in humans, including increasing the risk of cancer upon exposure, or acute and/or chronic noncancer health effects. A toxic substance released into the air is considered a toxic air contaminant (TAC). Examples include certain aromatic and chlorinated hydrocarbons, certain metals, and asbestos. TACs are generated by a number of sources, including stationary sources such as dry cleaners, gas stations, combustion sources, and laboratories; mobile sources such as automobiles; and area sources such as landfills. Adverse health effects associated with exposure to TACs may include carcinogenic (i.e., cancer-causing) and noncarcinogenic effects. Noncarcinogenic effects typically affect one or more target organ systems and may be experienced either on short-term (acute) or long-term (chronic) exposure to a given TAC.

**Diesel Particulate Matter.** Diesel particulate matter (DPM) is part of a complex mixture that makes up diesel exhaust. Diesel exhaust is composed of two phases—gas and particle—both of which contribute to health risks. The California Air Resources Board (CARB) classified “particulate emissions from diesel-fueled engines” (17 CCR 93000) as a TAC in August 1998. DPM is emitted from a broad range of diesel engines: on-road diesel engines of trucks, buses, and cars, and off-road diesel engines including locomotives, marine vessels, and heavy-duty

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construction equipment, among others. Approximately 70% of all airborne cancer risk in California is associated with DPM (CARB 2000). To reduce the cancer risk associated with DPM, CARB adopted a diesel risk reduction plan in 2000 (CARB 2000).

**Odorous Compounds.** Odors are generally regarded as an annoyance rather than a health hazard. Manifestations of a person’s reaction to odors can range from psychological (e.g., irritation, anger, or anxiety) to physiological (e.g., circulatory and respiratory effects, nausea, vomiting, and headache). The ability to detect odors varies considerably among the population and overall is quite subjective. People may have different reactions to the same odor. An odor that is offensive to one person may be perfectly acceptable to another (e.g., coffee roaster). An unfamiliar odor is more easily detected and is more likely to cause complaints than a familiar one. Known as odor fatigue, a person can become desensitized to almost any odor, and recognition may only occur with an alteration in the intensity. The occurrence and severity of odor impacts depend on the nature, frequency, and intensity of the source; wind speed and direction; and the sensitivity of receptors.

**Valley Fever.** Coccidioidomycosis, more commonly known as “Valley Fever,” is an infection caused by inhalation of the spores of the *Coccidioides immitis* fungus, which grows in the soils of the southwestern United States. The fungus is very prevalent in the soils of California’s San Joaquin Valley, particularly in Kern County. Kern County is considered a highly endemic county (i.e., more than 20 cases annually of Valley Fever per 100,000 people) based on the incidence rates reported through 2016 (California Department of Public Health 2017). The ecologic factors that appear to be most conducive to survival and replication of the spores are high summer temperatures, mild winters, sparse rainfall, and alkaline, sandy soils.

San Diego County is not considered a highly endemic region for Valley Fever as the latest report from the California Department of Public Health listed San Diego County as having 4.4 cases per 100,000 people (California Department of Public Health 2017). Similarly, among the total reported incidents of Valley Fever in San Diego County from 2008 through 2017, only 1% of the cases were in in the zip code where the proposed project is located (County of San Diego 2018).



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## **4 REGULATORY SETTING**

### **4.1 Federal**

#### **4.1.1 Criteria Pollutants**

##### **Clean Air Act**

The federal Clean Air Act (CAA), passed in 1970 and last amended in 1990, forms the basis for the national air pollution control effort. The U.S. Environmental Protection Agency (EPA) is responsible for implementing most aspects of the CAA, including the setting of National Ambient Air Quality Standards (NAAQS) for major air pollutants, hazardous air pollutant standards, approval of state attainment plans, motor vehicle emission standards, stationary source emission standards and permits, acid rain control measures, stratospheric O<sub>3</sub> protection, and enforcement provisions.

NAAQS are established by the EPA for “criteria pollutants” under the CAA, which are O<sub>3</sub>, carbon monoxide (CO), nitrogen dioxide (NO<sub>2</sub>), sulfur dioxide (SO<sub>2</sub>), particulate matter (PM<sub>10</sub> and PM<sub>2.5</sub>), and lead (Pb).

The NAAQS describe acceptable air quality conditions designed to protect the health and welfare of the citizens of the nation. The CAA requires the EPA to reassess the NAAQS at least every 5 years to determine whether adopted standards are adequate to protect public health based on current scientific evidence. States with areas that exceed the NAAQS must prepare a State Implementation Plan (SIP) that demonstrates how those areas will attain the standards within mandated time frames.

#### **4.1.2 Hazardous Air Pollutants**

The 1977 federal Clean Air Act Amendments required the EPA to identify National Emission Standards for Hazardous Air Pollutants to protect public health and welfare. HAPs include certain VOCs, pesticides, herbicides, and radionuclides that present a tangible hazard, based on scientific studies of exposure to humans and other mammals. Under the 1990 federal Clean Air Act Amendments, which expanded the control program for HAPs, 187 substances and chemical families were identified as HAPs.

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## 4.2 State

### 4.2.1 Criteria Pollutants

#### California Clean Air Act

The California CAA was adopted in 1988 and establishes the state’s air quality goals, planning mechanisms, regulatory strategies, and standards of progress. Under the California CAA, the task of air quality management and regulation has been legislatively granted to CARB, with subsidiary responsibilities assigned to air quality management districts and air pollution control districts at the regional and county levels. CARB is responsible for ensuring implementation of the California CAA, responding to the federal CAA, and regulating emissions from motor vehicles and consumer products. Pursuant to the authority granted to it, CARB has established California Ambient Air Quality Standards (CAAQS), which are generally more restrictive than the NAAQS.

The CAAQS and NAAQS are presented in Table 1, Ambient Air Quality Standards.

**Table 1**  
**Ambient Air Quality Standards**

Pollutant	Averaging Time	California Standards <sup>a</sup>	National Standards <sup>b</sup>	
		Concentration <sup>c</sup>	Primary <sup>c,d</sup>	Secondary <sup>c,e</sup>
O <sub>3</sub>	1 hour	0.09 ppm (180 µg/m <sup>3</sup> )	—	Same as Primary Standard <sup>f</sup>
	8 hours	0.070 ppm (137 µg/m <sup>3</sup> )	0.070 ppm (137 µg/m <sup>3</sup> ) <sup>f</sup>	
NO <sub>2</sub> <sup>g</sup>	1 hour	0.18 ppm (339 µg/m <sup>3</sup> )	0.100 ppm (188 µg/m <sup>3</sup> )	Same as Primary Standard
	Annual Arithmetic Mean	0.030 ppm (57 µg/m <sup>3</sup> )	0.053 ppm (100 µg/m <sup>3</sup> )	
CO	1 hour	20 ppm (23 mg/m <sup>3</sup> )	35 ppm (40 mg/m <sup>3</sup> )	None
	8 hours	9.0 ppm (10 mg/m <sup>3</sup> )	9 ppm (10 mg/m <sup>3</sup> )	
SO <sub>2</sub> <sup>h</sup>	1 hour	0.25 ppm (655 µg/m <sup>3</sup> )	0.075 ppm (196 µg/m <sup>3</sup> )	—
	3 hours	—	—	0.5 ppm (1,300 µg/m <sup>3</sup> )
	24 hours	0.04 ppm (105 µg/m <sup>3</sup> )	0.14 ppm (for certain areas) <sup>g</sup>	—
	Annual	—	0.030 ppm (for certain areas) <sup>g</sup>	—
PM <sub>10</sub> <sup>i</sup>	24 hours	50 µg/m <sup>3</sup>	150 µg/m <sup>3</sup>	Same as Primary Standard
	Annual Arithmetic Mean	20 µg/m <sup>3</sup>	—	
PM <sub>2.5</sub> <sup>j</sup>	24 hours	—	35 µg/m <sup>3</sup>	Same as Primary Standard
	Annual Arithmetic Mean	12 µg/m <sup>3</sup>	12.0 µg/m <sup>3</sup>	

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**Table 1**  
**Ambient Air Quality Standards**

Pollutant	Averaging Time	California Standards <sup>a</sup>	National Standards <sup>b</sup>	
		Concentration <sup>c</sup>	Primary <sup>c,d</sup>	Secondary <sup>c,e</sup>
Lead <sup>i, k</sup>	30-day Average	1.5 µg/m <sup>3</sup>	—	—
	Calendar Quarter	—	1.5 µg/m <sup>3</sup> (for certain areas) <sup>k</sup>	Same as Primary Standard
	Rolling 3-Month Average	—	0.15 µg/m <sup>3</sup>	
Hydrogen sulfide	1 hour	0.03 ppm (42 µg/m <sup>3</sup> )	—	—
Vinyl chloride <sup>l</sup>	24 hours	0.01 ppm (26 µg/m <sup>3</sup> )	—	—
Sulfates	24 hours	25 µg/m <sup>3</sup>	—	—
Visibility reducing particles	8 hour (10:00 a.m. to 6:00 p.m. PST)	Insufficient amount to produce an extinction coefficient of 0.23 per kilometer due to the number of particles when the relative humidity is less than 70%	—	—

**Source:** CARB 2016b, EPA 2014.

**Notes:** O<sub>3</sub> = ozone; ppm = parts per million by volume; µg/m<sup>3</sup> = micrograms per cubic meter; NO<sub>2</sub> = nitrogen dioxide; CO = carbon monoxide; mg/m<sup>3</sup> = milligrams per cubic meter; SO<sub>2</sub> = sulfur dioxide; PM<sub>10</sub> = particulate matter with an aerodynamic diameter less than or equal to 10 microns; PM<sub>2.5</sub> = particulate matter with an aerodynamic diameter less than or equal to 2.5 microns.

<sup>a</sup> California standards for O<sub>3</sub>, CO, SO<sub>2</sub> (1-hour and 24-hour), NO<sub>2</sub>, suspended particulate matter (PM<sub>10</sub>, PM<sub>2.5</sub>), and visibility-reducing particles are values that are not to be exceeded. All others are not to be equaled or exceeded. CAAQS are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.

<sup>b</sup> National standards (other than O<sub>3</sub>, NO<sub>2</sub>, SO<sub>2</sub>, particulate matter, and those based on annual averages or annual arithmetic mean) are not to be exceeded more than once per year. The O<sub>3</sub> standard is attained when the fourth highest 8-hour concentration measured at each site in a year, averaged over 3 years, is equal to or less than the standard. For PM<sub>10</sub>, the 24-hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above 150 µg/m<sup>3</sup> is equal to or less than 1. For PM<sub>2.5</sub>, the 24-hour standard is attained when 98% of the daily concentrations, averaged over 3 years, are equal to or less than the standard.

<sup>c</sup> Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based on a reference temperature of 25°Celsius (°C) and a reference pressure of 760 torr. Most measurements of air quality are to be corrected to a reference temperature of 25°C and a reference pressure of 760 torr; ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.

<sup>d</sup> National Primary Standards: The levels of air quality necessary, with an adequate margin of safety, to protect the public health.

<sup>e</sup> National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.

<sup>f</sup> On October 1, 2015, the national 8-hour ozone primary and secondary standards were lowered from 0.075 ppm to 0.070 ppm.

<sup>g</sup> To attain the national 1-hour standard, the 3-year average of the annual 98th percentile of the 1-hour daily maximum concentrations at each site must not exceed 100 parts per billion (ppb). Note that the national 1-hour standard is in units of ppb. California standards are in units of ppm. To directly compare the national 1-hour standard to the California standards, the units can be converted from ppb to ppm. In this case, the national standard of 100 ppb is identical to 0.100 ppm.

<sup>h</sup> On June 2, 2010, a new 1-hour SO<sub>2</sub> standard was established, and the existing 24-hour and annual primary standards were revoked. To attain the national 1-hour standard, the 3-year average of the annual 99th percentile of the 1-hour daily maximum concentrations at each site must not exceed 75 ppb. The 1971 SO<sub>2</sub> national standards (24-hour and annual) remain in effect until 1 year after an area is designated for the 2010 standard, except that in areas designated nonattainment of the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved.

<sup>i</sup> On December 14, 2012, the national annual PM<sub>2.5</sub> primary standard was lowered from 15 µg/m<sup>3</sup> to 12.0 µg/m<sup>3</sup>. The existing national 24-hour PM<sub>2.5</sub> standards (primary and secondary) were retained at 35 µg/m<sup>3</sup>, as was the annual secondary standard of 15 µg/m<sup>3</sup>. The existing 24-hour

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PM<sub>10</sub> standards (primary and secondary) of 150 µg/m<sup>3</sup> were also retained. The form of the annual primary and secondary standards is the annual mean averaged over 3 years.

j CARB has identified lead and vinyl chloride as TACs with no threshold level of exposure for adverse health effects determined. These actions allow for the implementation of control measures at levels below the ambient concentrations specified for these pollutants.

k The national standard for lead was revised on October 15, 2008, to a rolling 3-month average. The 1978 lead standard (1.5 µg/m<sup>3</sup> as a quarterly average) remains in effect until 1 year after an area is designated for the 2008 standard, except that in areas designated nonattainment for the 1978 standard, the 1978 standard remains in effect until implementation plans to attain or maintain the 2008 standard are approved.

## 4.2.2 Toxic Air Contaminants

The state Air Toxics Program was established in 1983 under Assembly Bill (AB) 1807 (Tanner). The California TAC list identifies more than 700 pollutants, of which carcinogenic and noncarcinogenic toxicity criteria have been established for a subset of these pollutants pursuant to the California Health and Safety Code. In accordance with AB 2728, the state list includes the (federal) HAPs. The Air Toxics “Hot Spots” Information and Assessment Act of 1987 (AB 2588) seeks to identify and evaluate risk from air toxics sources; however, AB 2588 does not regulate air toxics emissions. TAC emissions from individual facilities are quantified and prioritized. “High-priority” facilities are required to perform a health risk assessment (HRA), and if specific thresholds are exceeded, are required to communicate the results to the public in the form of notices and public meetings.

In 2000, CARB approved a comprehensive Diesel Risk Reduction Plan to reduce diesel emissions from both new and existing diesel-fueled vehicles and engines. The regulation is anticipated to result in an 80% decrease in statewide diesel health risk in 2020 compared with the diesel risk in 2000. Additional regulations apply to new trucks and diesel fuel, including the On-Road Heavy Duty Diesel Vehicle (In-Use) Regulation, the On-Road Heavy Duty (New) Vehicle Program, the In-Use Off-Road Diesel Vehicle Regulation, and the New Off-Road Compression-Ignition (Diesel) Engines and Equipment program. All of these regulations and programs have timetables by which manufacturers must comply and existing operators must upgrade their diesel powered equipment. CARB approved several Airborne Toxic Control Measures that reduce diesel emissions including In-Use Off-Road Diesel-Fueled Fleets and In-Use On-Road Diesel-Fueled Vehicles (CARB 2011).

### California Health and Safety Code Section 41700

This section of the Health and Safety Code states that a person shall not discharge from any source whatsoever quantities of air contaminants or other material that cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or that endanger the comfort, repose, health, or safety of any of those persons or the public, or that cause, or have a natural tendency to cause, injury or damage to business or property. This section also applies to sources of objectionable odors.

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## 4.3 Local

### San Diego Air Pollution Control District

While CARB is responsible for the regulation of mobile emission sources within the state, local air quality management districts and air pollution control districts are responsible for enforcing standards and regulating stationary sources. The project area is located within the SDAB and is subject to the guidelines and regulations of the SDAPCD.

In San Diego County, O<sub>3</sub> and particulate matter are the pollutants of main concern, since exceedances of CAAQS for those pollutants are experienced here in most years. For this reason, the SDAB has been designated as a nonattainment area for the state PM<sub>10</sub>, PM<sub>2.5</sub>, and O<sub>3</sub> standards. The SDAB is also a federal O<sub>3</sub> attainment (maintenance) area for the 1997 8-hour O<sub>3</sub> standard, an O<sub>3</sub> nonattainment area for the 2008 8-hour O<sub>3</sub> standard, and a CO maintenance area (western and central part of the SDAB only). The project area is in the CO maintenance area.

The SDAPCD and the San Diego Association of Governments (SANDAG) are responsible for developing and implementing the clean air plan for attainment and maintenance of the ambient air quality standards in the SDAB. The County Regional Air Quality Strategy (RAQS) was initially adopted in 1991 and is updated on a triennial basis, most recently in 2016 (SDAPCD 2016a). The RAQS outlines SDAPCD's plans and control measures designed to attain the state air quality standards for O<sub>3</sub>. The RAQS relies on information from CARB and SANDAG, including mobile and area source emissions, and information regarding projected growth in the cities and San Diego County, to project future emissions and determine the strategies necessary for the reduction of emissions through regulatory controls. CARB mobile source emission projections and SANDAG growth projections are based on population, vehicle trends, and land use plans developed by the cities and San Diego County as part of the development of their general plans.

The Eight-Hour Ozone Attainment Plan for San Diego County indicates that local controls and state projects would allow the region to reach attainment of the federal 1997 8-hour O<sub>3</sub> standard by 2011 (SDAPCD 2012). In this plan, SDAPCD relies on the RAQS to demonstrate how the region will comply with the federal O<sub>3</sub> standard. The RAQS details how the region will manage and reduce O<sub>3</sub> precursors (NO<sub>x</sub> and VOCs) by identifying measures and regulations intended to reduce these contaminants. The control measures identified in the RAQS generally focus on stationary sources; however, the emissions inventories and projections in the RAQS address all potential sources, including those under the authority of CARB and the EPA. Incentive projects for reduction of emissions from heavy-duty diesel vehicles, off-road equipment, and school buses are also established in the RAQS. According to the Redesignation Request and Maintenance Plan for the 1997 National Ozone Standard for San Diego County, the SDAB did not reach attainment

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of the federal 1997 standard until 2011 (SDAPCD 2012). This plan, however, demonstrates the region's attainment of the 1997 O<sub>3</sub> NAAQS and outlines the plan for maintaining attainment status.

In December 2005, SDAPCD prepared a report titled Measures to Reduce Particulate Matter in San Diego County to address implementation of Senate Bill (SB) 656 in San Diego County (SB 656 required additional controls to reduce ambient concentrations of PM<sub>10</sub> and PM<sub>2.5</sub>) (SDAPCD 2005). In the report, SDAPCD evaluated the implementation of source-control measures that would reduce particulate matter emissions associated with residential wood combustion; various construction activities including earthmoving, demolition, and grading; bulk material storage and handling; carryout and trackout removal and cleanup methods; inactive disturbed land; disturbed open areas; unpaved parking lots/staging areas; unpaved roads; and windblown dust.

As stated earlier, the SDAPCD is responsible for planning, implementing, and enforcing federal and state ambient standards in the SDAB. The following rules and regulations apply to all sources in the jurisdiction of SDAPCD:

- **SDAPCD Regulation IV: Prohibitions; Rule 51: Nuisance.** Prohibits the discharge, from any source, of such quantities of air contaminants or other materials that cause or have a tendency to cause injury, detriment, nuisance, annoyance to people and/or the public, or damage to any business or property (SDAPCD 1969).
- **SDAPCD Regulation IV: Prohibitions; Rule 55: Fugitive Dust.** Regulates fugitive dust emissions from any commercial construction or demolition activity capable of generating fugitive dust emissions, including active operations, open storage piles, and inactive disturbed areas, as well as track-out and carry-out onto paved roads beyond a project site (SDAPCD 2009).
- **SDAPCD Regulation IV: Prohibitions; Rule 67.0.1: Architectural Coatings.** Requires manufacturers, distributors, and end users of architectural and industrial maintenance coatings to reduce VOC emissions from the use of these coatings, primarily by placing limits on the VOC content of various coating categories (SDAPCD 2015b).
- **SDAPCD Regulation XII: Toxic Air Contaminants; Rule 1200: Toxic Air Contaminants – New Source Review.** Requires sources of TAC emissions subject to SDAPCD permit to limit emissions of TACs and meet specific control strategies (SDAPCD 2018).

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## **City of San Diego**

The San Diego Municipal Code addresses air quality and odor impacts at Chapter 14, Article 2, Division 7 paragraph 142.0710, “Air Contaminant Regulations,” which states that air contaminants including smoke, charred paper, dust, soot, grime, carbon, noxious acids, toxic fumes, gases, odors, and particulate matter, or any emissions that endanger human health, cause damage to vegetation or property, or cause soiling shall not be permitted to emanate beyond the boundaries of the premises upon which the use emitting the contaminants is located (City of San Diego 2010).

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## 5 LOCAL AIR QUALITY

### 5.1 SDAB Attainment Designation

An area is designated in attainment when it is in compliance with the NAAQS and/or CAAQS. These standards are set by the EPA or CARB for the maximum level of a given air pollutant that can exist in the outdoor air without unacceptable effects on human health or the public welfare. The criteria pollutants of primary concern that are considered in this analysis are O<sub>3</sub>, NO<sub>2</sub>, CO, SO<sub>2</sub>, PM<sub>10</sub>, and PM<sub>2.5</sub>. Although there are no ambient standards for VOCs or NO<sub>x</sub>, they are important as precursors to O<sub>3</sub>.

The portion of the SDAB where the project site is located is designated by the EPA as an attainment area for the 1997 8-hour NAAQS for O<sub>3</sub> and as a marginal nonattainment area for the 2008 8-hour NAAQS for O<sub>3</sub>. The SDAB is designated in attainment for all other criteria pollutants under the NAAQS with the exception of PM<sub>10</sub>, which was determined to be unclassifiable. The SDAB is currently designated nonattainment for O<sub>3</sub> and particulate matter, PM<sub>10</sub> and PM<sub>2.5</sub>, under the CAAQS. It is designated attainment for the CAAQS for CO, NO<sub>2</sub>, SO<sub>2</sub>, lead, and sulfates.

Table 2, SDAB Attainment Classification, summarizes the SDAB’s federal and state attainment designations for each of the criteria pollutants.

**Table 2**  
**SDAB Attainment Classification**

Pollutant	Federal Designation	State Designation
O <sub>3</sub> (1-hour)	Attainment (Maintenance) <sup>a</sup>	Nonattainment
O <sub>3</sub> (8-hour – 1997) (8-hour – 2008)	Attainment (Maintenance) Nonattainment (Moderate)	Nonattainment
CO	Attainment (Maintenance) <sup>ba</sup>	Attainment
PM <sub>10</sub>	Unclassifiable/Attainment	Nonattainment
PM <sub>2.5</sub>	Unclassifiable/Attainment	Nonattainment
NO <sub>2</sub>	Unclassifiable/Attainment	Attainment
SO <sub>2</sub>	Attainment	Attainment
Lead	Attainment	Attainment
Sulfates	(no federal standard)	Attainment
Hydrogen sulfide	(no federal standard)	Unclassified
Visibility-reducing particles	(no federal standard)	Unclassified

Sources: EPA 2016, CARB 2016b.

**Notes:**

<sup>a</sup> The federal 1-hour standard of 0.12 ppm was in effect from 1979 through June 15, 2005. The revoked standard is referenced here because it was employed for such a long period and because this benchmark is addressed in SIPs.

<sup>b</sup> The western and central portions of the SDAB are designated attainment, while the eastern portion is designated unclassifiable/attainment.

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In summary, the SDAB is designated as an attainment area for the 1997 8-hour O<sub>3</sub> NAAQS and as a nonattainment area for the 2008 8-hour O<sub>3</sub> NAAQS. The SDAB is designated as a nonattainment area for O<sub>3</sub>, PM<sub>10</sub>, and PM<sub>2.5</sub> CAAQS. The portion of the SDAB where the proposed project is located is designated as attainment or unclassifiable/unclassified for all other criteria pollutants under the NAAQS and CAAQS.

### 5.2 Air Quality Monitoring Data

The SDAPCD operates a network of ambient air monitoring stations throughout San Diego County, which measure ambient concentrations of pollutants and determine whether the ambient air quality meets the CAAQS and the NAAQS. The SDAPCD monitors air quality conditions at 11 locations throughout the basin. The downtown San Diego monitoring station at Beardsley Street represents the closest monitoring station to the proposed project for concentrations for O<sub>3</sub>, CO, PM<sub>10</sub>, PM<sub>2.5</sub>, and N<sub>2</sub>O. The monitoring station at 10537 Floyd Smith Drive in El Cajon is the most representative location where SO<sub>2</sub> concentrations are monitored. Ambient concentrations of pollutants and the number of days exceeding the ozone AAQS from 2015 through 2017 are presented in Table 3.

**Table 3  
Local Ambient Air Quality Data**

Averaging Time	Unit	Agency/ Method	Ambient Air Quality Standard	Measured Concentration by Year			Exceedances by Year		
				2015	2016	2017	2015	2016	2017
<i>Ozone (O<sub>3</sub>) – Beardsley Street (2015, 2016) and Kearny Villa Road (2017), San Diego</i>									
Maximum 1-hour concentration	ppm	State	0.09	0.089	0.072	0.097	0	0	0
Maximum 8-hour concentration	ppm	State	0.070	0.067	0.061	0.083	0	0	6
		Federal	0.070	0.067	0.061	0.083	0	0	6
<i>Nitrogen Dioxide (NO<sub>2</sub>) – Beardsley Street (2015, 2016) and Kearny Villa Road (2017), San Diego</i>									
Maximum 1-hour concentration	ppm	State	0.18	0.062	0.073	0.054	0	0	0
		Federal	0.100	0.062	0.073	0.054	0	0	0
Annual concentration	ppm	State	0.030	0.014	—	0.009	0	0	0
		Federal	0.053	0.014	—	0.009	0	0	0
<i>Carbon Monoxide (CO) – Beardsley Street (2015, 2016) and Rancho Carmel Drive (2017), San Diego</i>									
Maximum 1-hour concentration	ppm	State	20	2.6	2.2	2.0	0	0	0
		Federal	35	2.6	2.2	2.0	0	0	0
Maximum 8-hour concentration	ppm	State	9.0	1.9	1.7	1.5	0	0	0
		Federal	9	1.9	1.7	1.5	0	0	0
<i>Sulfur Dioxide (SO<sub>2</sub>) – Floyd Smith Drive, El Cajon</i>									
Maximum 1-hour concentration	ppm	Federal	0.075	0.001	0.002	0.001	0	0	0

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**Table 3**  
**Local Ambient Air Quality Data**

Averaging Time	Unit	Agency/ Method	Ambient Air Quality Standard	Measured Concentration by Year			Exceedances by Year		
				2015	2016	2017	2015	2016	2017
Maximum 24-hour concentration	ppm	Federal	0.14	0.04	0.05	0.04	0	0	0
Annual concentration	ppm	Federal	0.030	0.011	0.011	0.011	0	0	0
<i>Coarse Particulate Matter (PM<sub>10</sub>)<sup>a</sup> – Beardsley Street (2015, 2016) and Kearny Villa Road (2017), San Diego</i>									
Maximum 24-hour concentration	μg/m <sup>3</sup>	State	50	54.0	51.0	47.0	5.7 (1)	-(1)	0.0 (0)
		Federal	150	53.0	49.0	46.0	0.0 (0)	0.0 (0)	0.0 (0)
Annual concentration	μg/m <sup>3</sup>	State	20	23.2	—	17.6	ND	—	0.0 (0)
<i>Fine Particulate Matter (PM<sub>2.5</sub>)<sup>a</sup> – Beardsley Street (2015, 2016) and Kearny Villa Road (2017), San Diego</i>									
Maximum 24-hour concentration	μg/m <sup>3</sup>	Federal	35	33.4	34.4	27.5	0.0 (0)	0.0 (0)	0.0 (0)
Annual concentration	μg/m <sup>3</sup>	State	12	10.2	—	8.0	—	—	0
		Federal	12.0	9.3	—	7.9	ND	—	0

**Sources:** CARB 2018; EPA 2018c.

**Notes:** ppm = parts per million; — = not available; μg/m<sup>3</sup> = micrograms per cubic meter; ND = insufficient data available to determine the value.

Data taken from CARB iADAM (CARB 2018) and EPA AirData (EPA 2018c) represent the highest concentrations experienced over a given year.

Daily exceedances for particulate matter are estimated days because PM<sub>10</sub> and PM<sub>2.5</sub> are not monitored daily. All other criteria pollutants did not exceed federal or state standards during the years shown. There is no federal standard for 1-hour O<sub>3</sub>, annual PM<sub>10</sub>, or 24-hour SO<sub>2</sub>, nor is there a state 24-hour standard for PM<sub>2.5</sub>.

<sup>a</sup> Measurements of PM<sub>10</sub> and PM<sub>2.5</sub> are usually collected every 6 days and every 1 to 3 days, respectively. Number of days exceeding the standards is a mathematical estimate of the number of days concentrations would have been greater than the level of the standard had each day been monitored. The numbers in parentheses are the measured number of samples that exceeded the standard.

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## 6 THRESHOLDS OF SIGNIFICANCE

The State of California has developed guidelines to address the significance of air quality impacts based on Appendix G of the CEQA Guidelines (14 CCR 15000 et seq.), which provides guidance that a project would have a significant environmental impact if it would:

1. Conflict with or obstruct the implementation of the applicable air quality plan;
2. Violate any air quality standard or contribute substantially to an existing or projected air quality violation;
3. Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is nonattainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for O<sub>3</sub> precursors);
4. Expose sensitive receptors to substantial pollutant concentrations; or
5. Create objectionable odors affecting a substantial number of people.

### 6.1 SDAPCD

As part of its air quality permitting process, the SDAPCD has established thresholds in Rule 20.2 requiring the preparation of Air Quality Impact Assessments for permitted stationary sources. The SDAPCD sets forth quantitative emission thresholds below which a stationary source would not have a significant impact on ambient air quality. Project-related air quality impacts estimated in this environmental analysis would be considered significant if any of the applicable significance thresholds presented in Table 4, SDAPCD Air Quality Significance Thresholds, are exceeded.

For CEQA purposes, these screening criteria can be used as numeric methods to demonstrate that a project's total emissions would or would not result in a significant impact to air quality.

**Table 4**  
**SDAPCD Air Quality Significance Thresholds**

Construction Emissions	
<i>Pollutant</i>	<i>Total Emissions (pounds per day)</i>
Respirable particulate matter (PM <sub>10</sub> )	100
Fine particulate matter (PM <sub>2.5</sub> )	55
Oxides of nitrogen (NO <sub>x</sub> )	250
Oxides of sulfur (SO <sub>x</sub> )	250
Carbon monoxide (CO)	550
Volatile organic compounds (VOC)	137*

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**Table 4**  
**SDAPCD Air Quality Significance Thresholds**

Construction Emissions			
<i>Pollutant</i>	<i>Total Emissions (pounds per day)</i>		
Operational Emissions			
<i>Pollutant</i>	<i>Total Emissions</i>		
	<i>Pounds per Hour</i>	<i>Pounds per Day</i>	<i>Tons per Year</i>
Respirable particulate matter (PM <sub>10</sub> )	—	100	15
Fine particulate matter (PM <sub>2.5</sub> )	—	55	10
Oxides of nitrogen (NO <sub>x</sub> )	25	250	40
Sulfur oxides (SO <sub>x</sub> )	25	250	40
Carbon monoxide (CO)	100	550	100
Lead and lead compounds	—	3.2	0.6
Volatile organic compounds (VOC)	—	137*	13.7

**Sources:** City of San Diego 2016; SDAPCD 2016b.

**Note:**

\* VOC threshold based on the significance thresholds recommended by the Monterey Bay Unified Air Pollution Control District for the North Central Coast Air Basin, which has similar federal and state attainment status as the SDAB for O<sub>3</sub>.

The thresholds listed in Table 4 represent screening-level thresholds that can be used to evaluate whether proposed project-related emissions would cause a significant impact on air quality. Emissions below the screening-level thresholds would not cause a significant impact.

According to the SDAPCD Supplemental Guidelines for Submission of Air Toxics “Hot Spots” Program Health Risk Assessments (HRAs) (SDAPCD 2015c), a project is deemed to have a significant risk if the HRA shows that the off-site cancer risk exceeds 10 in a million or the non-cancer chronic health hazard index exceeds 1.

SDAPCD Rule 51 (Public Nuisance) prohibits emission of any material that causes nuisance to a considerable number of persons or endangers the comfort, health, or safety of any person (SDAPCD 1976). A project that includes a use that would produce objectionable odors would be deemed to have a significant odor impact if it would affect a considerable number of off-site receptors.

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## 6.2 City of San Diego

To determine the significance of the proposed project's emissions on the environment, the City's CEQA Significance Determination Thresholds (City of San Diego 2016) were used. The City's thresholds are consistent with the thresholds contained in Appendix G of CEQA Guidelines, with the addition of the following threshold:

- Release substantial quantities of air contaminants beyond the boundaries of the premises upon which the stationary source emitting the contaminants is located.<sup>2</sup>

The potential for the proposed project to release substantial quantities of air contaminants under the aforementioned threshold is addressed in the analysis of the proposed project-generated criteria air pollutant emissions, TAC emissions, and odors, as appropriate, in Section 7, Impacts.

The SDAPCD Air Quality Significance Thresholds shown in Table 4 were used to determine significance of proposed project-generated construction and operational criteria air pollutants; specifically, the proposed project's potential to violate any air quality standard or contribute substantially to an existing or projected air quality violation (as assessed under the threshold criterion 2). In regards to the analysis of potential impacts to sensitive receptors, the City specifically recommends consideration of sensitive receptors in locations such as day care centers, schools, retirement homes, and hospitals, or medical patients in residential homes close to major roadways or stationary sources, which could be impacted by air pollutants. The City of San Diego also states that the significance of potential odor impacts should be determined based on what is known about the quantity of the odor compound(s) that would result from the project's proposed use(s), the types of neighboring uses potentially affected, the distance(s) between the project's point source(s) and the neighboring uses such as sensitive receptors, and the resultant concentration(s) at the receptors.

The air quality section of the CEQA Significance Determination Thresholds recognizes attainment status designations for the SDAB and its nonattainment status for both ozone and particulate matter. As such, the document recognizes that all new projects should include measures, pursuant to CEQA, to reduce project-related ozone and particulate matter emissions to ensure new development does not contribute to San Diego's nonattainment status for these pollutants.

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<sup>2</sup> San Diego Municipal Code, Chapter 14, Article 2, Division 7, Off-Site Development Impact Regulations paragraph 142.0710, Air Contaminant Regulations, states: "Air contaminants including smoke, charred paper, dust, soot, grime, carbon, noxious acids, toxic fumes, gases, odors, and particulate matter, or any emissions that endanger human health, cause damage to vegetation or property, or cause soiling shall not be permitted to emanate beyond the boundaries of the premises upon which the use emitting the contaminants is located." (Added 12-9-1997 by O-18451 N.S.; effective 1-1-2000.)

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## 7 IMPACTS

### 7.1 Conflict With or Obstruct the Implementation of the Applicable Air Quality Plan

As stated in Section 4.3, the SDAPCD and SANDAG are responsible for developing and implementing the clean air plans for attainment and maintenance of the AAQS in the SDAB, specifically, the SIP and RAQS.<sup>3</sup> The federal O<sub>3</sub> maintenance plan, which is part of the SIP, was adopted in 2012. The SIP includes a demonstration that current strategies and tactics will maintain acceptable air quality in the SDAB based on the NAAQS. The RAQS was initially adopted in 1991 and is updated on a triennial basis (most recently in 2016). The RAQS outlines SDAPCD's plans and control measures designed to attain the state air quality standards for O<sub>3</sub>. The SIP and RAQS rely on information from CARB and SANDAG, including mobile and area source emissions, as well as information regarding projected growth in San Diego County and the cities in the County, to project future emissions and then determine from that the strategies necessary for the reduction of emissions through regulatory controls. CARB mobile source emission projections and SANDAG growth projections are based on population, vehicle trends, and land use plans developed by San Diego County and the cities in the County as part of the development of their general plans.

If a proposed project involves development that is greater than that anticipated in the local plan and SANDAG's growth projections, the project might be in conflict with the SIP and RAQS and may contribute to a potentially significant cumulative impact on air quality. The proposed project falls within Mission Bay Park and thus is subject to the Mission Bay Park Master Plan. The proposed project includes land uses that are consistent with those within the Mission Bay Park Master Plan, including natural areas, active recreation, and recreational vehicles. Therefore, the proposed project would be consistent with the existing zoning and underlying community plan for the site and would be consistent with the assumptions within the RAQS and SIP.

The proposed project would also not include any growth-inducing features such as an increase in population or traffic. Further, the proposed project was envisioned in the growth projections and regional air quality strategies, and the proposed project would not obstruct or impede implementation of local air quality plans. Based on the nature of the proposed project, implementation of the proposed project would not result in development in excess of that anticipated in local plans or increases in population/housing growth beyond those contemplated by SANDAG. As such, vehicle trip generation and planned development for the various proposed

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<sup>3</sup> For the purpose of this discussion, the relevant federal air quality plan is the ozone maintenance plan (SDAPCD 2012). The RAQS (SDAPCD 2016a) is the applicable plan for purposes of state air quality planning. Both plans reflect growth projections in the SDAB.

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project component locations is considered to be anticipated in the SIP and RAQS. Because the proposed land uses and associated vehicle trips are anticipated in local air quality plans, the proposed project would be consistent at a regional level with the underlying growth forecasts in the RAQS. Impacts would be **less than significant**.

## **Mitigation Measures**

No mitigation is required for the proposed project.

## **7.2 Violate Any Air Quality Standard or Contribute Substantially to an Existing or Projected Air Quality Violation**

### **7.2.1 Construction Impacts**

#### **7.2.1.1 General Approach and Methodology**

Construction related to implementation of the proposed project components would result in a temporary addition of pollutants to the local airshed caused by soil disturbance, fugitive dust emissions, and combustion pollutants from on-site construction equipment, as well as from off-site trucks hauling construction materials. Construction emissions can vary substantially from day to day, depending on the level of activity, the specific type of operation, and, for dust, the prevailing weather conditions. Fugitive dust (PM<sub>10</sub> and PM<sub>2.5</sub>) emissions would primarily result from grading and site preparation activities. NO<sub>x</sub> and CO emissions would primarily result from the use of construction equipment and motor vehicles.

Emissions from the construction phase of proposed project components were estimated using the California Emissions Estimator Model (CalEEMod) Version 2016.3.2, available online (CAPCOA 2017). In order to analyze potential impacts associated with implementation of the proposed project several assumptions were made regarding schedule, construction activities and implementation of the project although the details of these are not known at this time. For the purposes of modeling, it was assumed that construction of proposed project components would commence in January 2021, and final facilities may come online as late as September 2026. CalEEMod default construction phase lengths were assumed based on the estimated land uses.

Table 5 provides an estimated construction timeline and potential phasing of the components that would come online to achieve the target milestones. The construction schedule has been developed based on available information provided by the City, typical construction practices, best engineering judgment, and CalEEMod defaults where appropriate. Construction phasing is intended to represent a schedule of anticipated activities for use in estimating potential proposed project-generated construction emissions.

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**Table 5  
Construction Phasing Assumptions**

Project Component	Construction Start Date	Construction End Date
Demolition	January 2021	April 2021
Site Preparation	April 2021	June 2021
Grading	June 2021	November 2021
Building Construction	November 2021	February 2026
Paving	February 2026	May 2026
Architectural Coating	May 2026	September 2026

The equipment mix assumptions were based on proposed project design documents, review of related projects conducted in the Southern California area, and CalEEMod default equipment, where appropriate. The equipment mix is meant to represent a reasonably conservative estimate of construction activity. For the analysis, it is generally assumed that heavy construction equipment would be operating at the site for approximately 8 hours per day, 5 days per week. Default assumptions provided in CalEEMod were utilized to determine worker, vendor, and haul trips for each construction phase. All one-way trips were rounded up to an even number to represent whole roundtrips. The default CalEEMod trip distance for construction vehicles was assumed, which was a one-way distance of 10.8 miles for worker trips and 7.3 miles for vendor trips. The proposed project site would be a balanced site with 693,560 cubic yards of cut and fill. A one-way trip distance of 0.75 miles was used for haul trips moving soil around the site.

Construction of proposed project components would be subject to SDAPCD Rule 55 – Fugitive Dust Control. This rule requires that construction of project components include steps to restrict visible emissions of fugitive dust beyond the property line (SDAPCD 2009). Compliance with Rule 55 would limit fugitive dust (PM<sub>10</sub> and PM<sub>2.5</sub>) that may be generated during grading and construction activities. Construction of proposed project components would also be subject to SDAPCD Rule 67.0.1 – Architectural Coatings. This rule requires manufacturers, distributors, and end users of architectural and industrial maintenance coatings to reduce VOC emissions from the use of these coatings, primarily by placing limits on the VOC content of various coating categories (SDAPCD 2015b). The proposed construction equipment for the proposed project is shown in Table 6.

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**Table 6  
Construction Scenario Assumptions**

Construction Phase (Duration)	One-Way Vehicle Trips			Equipment		
	Average Daily Worker Trips	Average Daily Vendor Truck Trips	Total Haul Truck Trips	Equipment Type	Quantity	Usage Hours
Demolition (70 days)	16	0	3,308	Saws	1	8
				Excavators	3	8
				Rubber-Tired Dozers	2	8
Site Preparation (40 days)	18	0	0	Rubber-Tired Dozers	3	8
				Tractors/Loaders/Backhoes	4	8
Grading (110 days)	20	0	173,390	Graders	1	8
				Rubber-Tired Dozers	1	8
				Scrapers	2	8
				Tractors/Loaders/Backhoes	2	8
				Excavators	2	8
Building Construction (1,110 days)	420	106	0	Cranes	1	7
				Forklifts	3	8
				Generator Sets	1	8
				Tractors/Loaders/Backhoes	3	7
				Welders	1	8
Paving (75 days)	16	0	0	Paving Equipment	2	8
				Pavers	2	8
				Rollers	2	8
Architectural Coating (75 days)	84	0	0	Air compressors	1	6

Source: See Appendix A for details.

## 7.2.1.2 Construction Emissions

Table 7, Estimated Maximum Daily Construction Emissions for the Proposed Project, shows the estimated maximum unmitigated daily construction emissions associated with the conceptual construction phases of the proposed project. Complete details of the emissions calculations are provided in Appendix A of this document.

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**Table 7**  
**Estimated Maximum Daily Construction Emissions for the Proposed Project**

Year	VOC	NO <sub>x</sub>	CO	SO <sub>x</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
	<i>pounds per day</i>					
2021	7.48	203.75	59.66	0.27	10.32	6.39
2022	3.58	26.75	29.98	0.09	5.02	1.92
2023	3.30	23.26	28.25	0.08	4.90	1.81
2024	3.12	22.14	27.48	0.08	4.81	1.73
2025	2.95	20.98	26.76	0.08	4.73	1.65
2026	45.04	20.82	26.22	0.08	4.73	1.65
<i>Maximum</i>	<i>45.04</i>	<i>203.75</i>	<i>59.66</i>	<i>0.27</i>	<i>10.32</i>	<i>6.39</i>
<i>SDAPCD Threshold</i>	<i>137</i>	<i>250</i>	<i>550</i>	<i>250</i>	<i>100</i>	<i>67</i>
<b>Threshold Exceeded?</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>

**Source:** CAPCOA 2017. See Appendix A for complete results.

**Notes:** The values shown are the maximum summer or winter daily emissions results from CalEEMod.

VOC = volatile organic compound; NO<sub>x</sub> = oxides of nitrogen; CO = carbon monoxide; SO<sub>x</sub> = sulfur oxides; PM<sub>10</sub> = coarse particulate matter; PM<sub>2.5</sub> = fine particulate matter.

As shown in Table 7, daily construction emissions for the proposed project would not exceed the City of San Diego’s significance thresholds for VOC, NO<sub>x</sub>, CO, SO<sub>x</sub>, PM<sub>10</sub>, or PM<sub>2.5</sub>. Therefore, the proposed project would have a less-than-significant impact during construction.

## Mitigation Measures

No mitigation is required for the proposed project.

### 7.2.2 Operational Impacts

The proposed project components would not result in an increase in operational activity compared to the existing site for the majority of operations, including no increase in overall traffic to the site. The components of the proposed project that are increasing compared to the existing site is the food services and ranger station. The Campland currently has the Cantina, which is a casual sit-down eatery. The proposed project would include a snack shack and a sit-down dining restaurant. In order to determine the net increase in criteria air pollutant emissions resulting from the proposed project, the emissions from both the existing Cantina and proposed project food services and ranger station were estimated. The following section outlines the methodology used to estimate the criteria air pollutant emissions from the existing (baseline) and proposed project.

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## 7.2.2.1 General Approach and Methodology

### 7.2.2.1.1 Existing (Baseline)

CalEEMod Version 2016.3.2 was used to estimate existing operational criteria air pollutant emissions from area sources (consumer product use and architectural coatings) and energy sources (natural gas and electricity) associated with the Campland. Emissions from each category are discussed in the following text with respect to existing operations. As the mobile source emissions would decrease due to a decreased customer base for the proposed project compared to the baseline, a detailed analysis is not included herein. Similarly, other emission sources not included in this net analysis were deemed to be less than the existing baseline and would result in decreased emissions. Therefore, the net analysis contained herein is conservative, and actual net emissions of the proposed project would likely be lower. Detailed emission calculations of the baseline and results are included in Appendix B.

### Area Sources

CalEEMod was used to estimate operational emissions from area sources, including emissions from consumer product use and architectural coatings. Emissions associated with natural gas usage in space heating and water heating are calculated in the building energy use module of CalEEMod, as described in the following text.

Consumer products are chemically formulated products used by consumers, including detergents; cleaning compounds; polishes; floor finishes; cosmetics; personal care products; home, lawn, and garden products; disinfectants; sanitizers; aerosol paints; and automotive specialty products. Other paint products, furniture coatings, or architectural coatings are not considered consumer products (CAPCOA 2017). Consumer product VOC emissions are estimated in CalEEMod based on the floor area of the buildings and on the default factor of pounds of VOC per building square foot per day. The CalEEMod default values for consumer products were assumed.

VOC off-gassing emissions result from evaporation of solvents contained in surface coatings, such as in paints and primers using during building maintenance. CalEEMod calculates the VOC evaporative emissions from application of surface coatings based on the VOC emission factor, the building square footage, the assumed fraction of surface area, and the reapplication rate. The VOC emission factor is based on the VOC content of the surface coatings, and SDAPCD's Rule 67.0.1, Architectural Coatings, governs the VOC content for interior and exterior coatings (SDAPCD 2015b). The model default reapplication rate of 10% of area per year is assumed. Consistent with CalEEMod defaults, it is assumed that the surface area for painting equals 2.7 times the floor square footage, with 75% assumed for interior coating and 25% assumed for exterior surface

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coating (CAPCOA 2017). CalEEMod defaults were assumed for the application of architectural coatings during operation.

## **Energy Sources**

As represented in CalEEMod, energy sources include emissions associated with building electricity and natural gas usage. Electricity use would contribute indirectly to criteria air pollutant emissions; however, the emissions from electricity use are only quantified for greenhouse gases in CalEEMod, since criteria pollutant emissions occur at the site of the power plant, which is typically off site.

CalEEMod default values for energy consumption for each land use were applied for the existing analysis. The high turnover (sit down restaurant) for the Campland Cantina was assumed. The energy use from nonresidential land uses is calculated in CalEEMod based on the California Commercial End-Use Survey database. The program uses data collected during the Commercial Appliance Saturation Survey to develop energy intensity values (electricity and natural gas usage per square foot per year) for nonresidential buildings. Energy use in buildings (both natural gas and electricity) is divided by the program into end use categories subject to Title 24 requirements (end uses associated with the building envelope, such as the heating, ventilation, and air conditioning system, water heating system, and integrated lighting) and those not subject to Title 24 requirements (such as appliances, electronics, and miscellaneous “plug-in” uses). As it was unknown when the Campland Cantina was built, the “using historical feature” was selected within CalEEMod, which assumes compliance with the 2005 Title 24 requirements.

### ***7.2.2.1.2 Proposed Project***

CalEEMod Version 2016.3.2 was used to estimate proposed project operational criteria air pollutant emissions from area sources (consumer product use and architectural coatings) and energy sources (natural gas and electricity) associated with the proposed project’s food services and ranger station component. Emissions from each category are discussed in the following text with respect to the proposed project. Operational year of 2027 was assumed as the first full year following completion of construction. Detailed emission calculations and results are included in Appendix A.

## **Area Sources**

CalEEMod was used to estimate operational emissions from area sources, including emissions from consumer product use and architectural coatings. The methodology was consistent with that described in Section 7.2.2.1.1.

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## Energy Sources

As represented in CalEEMod, energy sources include GHG emissions associated with building electricity and natural gas usage.

CalEEMod default values for energy consumption for were applied for the proposed project analysis. The snack shack was modeled as a fast food restaurant without a drive through, and the sit-down dining was modeled as a quality restaurant. The ranger station was modeled as an office building.

### 7.2.2.2 Operational Emissions

Table 8, Estimated Daily Maximum Operational Emissions, presents the maximum daily emissions associated with the operation of the baseline and the proposed project. The difference between the baseline and the proposed project indicates the net impact of Project buildout. Complete details of the emissions calculations are provided in Appendices A and B of this document.

Emissions represent maximum of summer and winter. “Summer” emissions are representative of the conditions that may occur during the ozone season (May 1 to October 31), and “winter” emissions are representative of the conditions that may occur during the balance of the year (November 1 to April 30).

**Table 8**  
**Estimated Maximum Daily Operational Criteria Air Pollutant Emissions**

Emission Source	VOC	NO <sub>x</sub>	CO	SO <sub>x</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
	<i>Pounds per Day</i>					
<i>Baseline</i>						
Area	0.06	0.00	0.00	0.00	0.00	0.00
Energy	0.01	0.12	0.10	0.00	0.01	0.01
<b>Total</b>	<b>0.07</b>	<b>0.12</b>	<b>0.10</b>	<b>0.00</b>	<b>0.01</b>	<b>0.01</b>
<i>Project</i>						
Area	9.74	0.32	28.03	0.00	0.16	0.16
Energy	0.03	0.29	0.24	0.00	0.02	0.02
<b>Total</b>	<b>9.77</b>	<b>0.61</b>	<b>28.27</b>	<b>0.00</b>	<b>0.18</b>	<b>0.18</b>
<b>Net Emissions (Project minus Baseline)</b>	<b>9.70</b>	<b>0.49</b>	<b>28.17</b>	<b>0.00</b>	<b>0.17</b>	<b>0.17</b>
<i>City threshold</i>	55	250	550	250	100	55
<b>Threshold exceeded?</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>

**Source:** CalEEMod Version 2016.3.2. See Appendices A and B for complete results.

**Notes:** The values shown are the maximum summer or winter daily emissions results from CalEEMod.

VOC = volatile organic compound; NO<sub>x</sub> = oxides of nitrogen; CO = carbon monoxide; SO<sub>x</sub> = sulfur oxides; PM<sub>10</sub> = coarse particulate matter; PM<sub>2.5</sub> = fine particulate matter.



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As shown in Table 8 above, the maximum daily net operational emissions would not exceed the City of San Diego’s thresholds for VOC, NO<sub>x</sub>, CO, SO<sub>x</sub>, PM<sub>10</sub>, or PM<sub>2.5</sub> during the operation of the proposed project.

Table 9 shows the annual operational emissions estimated for the baseline, proposed project, and net (proposed project minus baseline).

**Table 9**  
**Estimated Annual Operational Criteria Air Pollutant Emissions**

Emission Source	VOC	NO <sub>x</sub>	CO	SO <sub>x</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
	<i>Tons per Year</i>					
<i>Baseline</i>						
Area	0.01	0.00	0.00	0.00	0.00	0.00
Energy	0.00	0.02	0.02	0.00	0.00	0.00
<b>Total</b>	<b>0.01</b>	<b>0.02</b>	<b>0.02</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<i>Proposed Project</i>						
Area	1.62	0.00	0.00	0.00	0.00	0.00
Energy	0.01	0.05	0.04	0.00	0.00	0.00
<b>Total</b>	<b>1.63</b>	<b>0.05</b>	<b>0.04</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>Net Emissions (Proposed Project minus Baseline)</b>	<b>1.62</b>	<b>0.03</b>	<b>0.02</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<i>City threshold</i>	13.7	40	100	40	15	10
<b>Threshold exceeded?</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>

**Source:** CalEEMod Version 2016.3.2. See Appendices A and B for complete results.

**Notes:** The values shown are the maximum summer or winter daily emissions results from CalEEMod.

VOC = volatile organic compound; NO<sub>x</sub> = oxides of nitrogen; CO = carbon monoxide; SO<sub>x</sub> = sulfur oxides; PM<sub>10</sub> = coarse particulate matter; PM<sub>2.5</sub> = fine particulate matter.

As shown in Table 9 above, the annual net operational emissions for the proposed project do not exceed the City of San Diego’s significance thresholds for VOC, NO<sub>x</sub>, CO, SO<sub>x</sub>, PM<sub>10</sub>, or PM<sub>2.5</sub>.

### Mitigation Measures

No mitigation is required for the proposed project.

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### **7.3 Result in a Cumulatively Considerable Net Increase of Any Criteria Pollutant for which the Project Region is Nonattainment under an Applicable Federal or State Ambient Air Quality Standard**

In analyzing cumulative impacts from the proposed project, the analysis must specifically evaluate a project's contribution to the cumulative increase in pollutants for which the SDAB is designated as nonattainment for the CAAQS and NAAQS. If the proposed project does not exceed thresholds and is determined to have less-than-significant proposed project-specific impacts, it may still contribute to a significant cumulative impact on air quality if the emissions from the proposed project components, in combination with the emissions from other proposed or reasonably foreseeable future projects, are in excess of established thresholds. However, the proposed project would only be considered to have a significant cumulative impact if its contribution accounts for a significant proportion of the cumulative total emissions (i.e., it represents a “cumulatively considerable contribution” to the cumulative air quality impact).

Additionally, for the SDAB, the RAQS serves as the long-term regional air quality planning document for the purpose of assessing cumulative operational emissions within the basin to ensure the SDAB continues to make progress toward NAAQS and CAAQS attainment status. As such, cumulative projects located in the San Diego region would have the potential to result in a cumulative impact to air quality if, in combination, they would conflict with or obstruct implementation of the RAQS. Similarly, individual projects that are inconsistent with the regional planning documents upon which the RAQS is based would have the potential to result in cumulative impacts if they represent development beyond regional projections.

The SDAB has been designated as a federal nonattainment area for O<sub>3</sub> and a state nonattainment area for O<sub>3</sub>, PM<sub>10</sub>, and PM<sub>2.5</sub>. PM<sub>10</sub> and PM<sub>2.5</sub> emissions associated with construction generally result in near-field impacts. The nonattainment status is the result of cumulative emissions from all sources of these air pollutants and their precursors within the SDAB. As discussed in Section 7.2, the emissions of all criteria pollutants would be below the significance levels for the proposed project during construction and operation. Construction would be short term and temporary in nature. Additionally, construction activities required for the implementation of proposed project components would be considered typical and would not require atypical construction practices that would include high-emitting activities. Once construction is completed, construction-related emissions would cease. Operational emissions generated by the proposed project would not result in a significant impact. As such, the proposed project would result in less-than-significant impacts to air quality relative to operational emissions.

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Regarding long-term cumulative operational emissions in relation to consistency with local air quality plans, the SIP and RAQS serve as the primary air quality planning documents for the state and SDAB, respectively. The SIP and RAQS rely on SANDAG growth projections based on population, vehicle trends, and land use plans developed by the cities and by the County as part of the development of their general plans. Therefore, projects involving development that is consistent with the growth anticipated by local plans would be consistent with the SIP and RAQS and would not be considered to result in cumulatively considerable impacts from operational emissions. As discussed in Section 7.1, the proposed project components are consistent with the existing zoning and land use designations for the site. Additionally, implementation of the proposed project would not result in additional population growth or growth-inducing effects; thus, it would be consistent at a regional level with the underlying growth forecasts in the SIP and RAQS.

As a result, the proposed project would not result in a cumulatively considerable contribution to regional O<sub>3</sub> concentrations or other criteria pollutant emissions. Cumulative impacts would be **less than significant** for that alternative.

## Mitigation Measures

No mitigation is required for the proposed project.

## 7.4 Expose Sensitive Receptors to Substantial Pollutant Concentrations

### Carbon Monoxide Hotspots

Mobile-source impacts occur on two basic scales of motion. Regionally, proposed project-related travel will add to regional trip generation and increase the VMT within the local airshed and the SDAB. Locally, proposed project traffic will be added to the City's roadway system, although there will be no net additional traffic. If such traffic occurs during periods of poor atmospheric ventilation, consists of a large number of vehicles "cold-started" and operating at pollution-inefficient speeds, and operates on roadways already crowded with non-proposed project traffic, there is a potential for the formation of microscale CO "hotspots" in the area immediately around points of congested traffic. Because of continued improvement in mobile emissions at a rate faster than the rate of vehicle growth and/or congestion, the potential for CO hotspots in the SDAB is steadily decreasing.

Projects contributing to adverse traffic impacts may result in the formation of CO hotspots. To verify that the proposed project would not cause or contribute to a violation of the CO standard, a screening evaluation of the potential for CO hotspots was conducted. A traffic report (Chen Ryan

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2018), evaluated the traffic of the existing site and the proposed project and concluded that there would be an overall decrease in overall traffic in the study area due to the smaller number of RV/campsites and the consolidation of Campland and De Anza Cove. Therefore, there would be an associated reduction in potential for contribution to a CO hotspot. Based on these considerations, proposed project maintenance would result in a less-than-significant impact to air quality with regard to potential CO hotspots.

### **Health Impacts of TACs**

In addition to impacts from criteria pollutants, proposed project impacts may include emissions of pollutants identified by the state and federal government as TACs or HAPs. State law has established the framework for California’s TAC identification and control project, which is generally more stringent than the federal project, and is aimed at TACs that are a problem in California. The state has formally identified more than 200 substances as TACs, including the federal HAPs, and is adopting appropriate control measures for sources of these TACs.

The greatest potential for TAC emissions during construction would be diesel particulate emissions from heavy equipment operations and heavy-duty trucks, and the associated health impacts to sensitive receptors. The closest sensitive receptors would be any receptor located directly adjacent to the proposed alignments and associated facilities.

Health effects from carcinogenic air toxics are usually described in terms of cancer risk. The SDAPCD recommends an incremental cancer risk threshold of 10 in a million. “Incremental cancer risk” is the likelihood that a person continuously exposed to concentrations of TACs resulting from a project over a 70-year lifetime will contract cancer based on the use of standard risk-assessment methodology.

### ***Construction Health Risk Assessment***

In order to determine potential health risks associated with construction of the proposed project, sensitive receptors were identified in proximity to the proposed project construction areas. The proposed project is adjacent to the Mission Bay High School to the north and residential neighborhoods to the north and west. The sensitive receptors are separated by Mission Bay Drive, which is about 30 feet.

Construction of the proposed project would result in DPM emissions from heavy-duty construction equipment and trucks operating within the facility construction area. CARB characterizes DPM as a TAC. The State of California Office of Environmental Health Hazard Assessment (OEHHA) has identified carcinogenic and chronic noncarcinogenic effects from long-term (chronic) exposure, but it has not identified health effects due to short-term (acute) exposure to DPM (OEHHA 2015).

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Cancer risk is defined as the increase in lifetime probability (chance) of an individual developing cancer due to exposure to a carcinogenic compound, typically expressed as the increased probability in 1 million. The cancer risk from inhalation of a TAC is estimated by calculating the inhalation dose in units of milligrams/kilogram body weight per day based on an ambient concentration in units of micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ), breathing rate, age-specific sensitivity factors, and exposure period, and multiplying the dose by the inhalation cancer potency factor, expressed as units of inverse dose [i.e., (milligrams/kilogram body weight per day)<sup>-1</sup>]. Typically, population-wide cancer risks are based on a lifetime (70 years) of continuous exposure, and an individual resident cancer risk is based on a 30-year exposure duration; however, for the purposes of this analysis, a 5.75-year exposure scenario corresponding to the construction period for the proposed project was assumed.

Cancer risks are typically calculated for all carcinogenic TACs and summed to calculate the overall increase in cancer risk to an individual. The calculation procedure assumes that cancer risk is proportional to concentrations at any level of exposure and that risks from various TACs are additive. This is considered a conservative assumption at low doses and is consistent with the updated OEHHA-recommended approach (OEHHA 2015).

Noncancer health impact of an inhaled TAC is measured by the hazard quotient, which is the ratio of the ambient concentration of a TAC in units of  $\mu\text{g}/\text{m}^3$  divided by the reference exposure level (REL), also in units of  $\mu\text{g}/\text{m}^3$ . The inhalation REL is the concentration at or below which no adverse health effects are anticipated. The REL is typically based on health effects to a particular target organ system, such as the respiratory system, liver, or central nervous system. Hazard quotients are then summed for each target organ system to obtain a hazard index.

To estimate the ambient DPM concentrations resulting from construction activities at nearby sensitive receptors, a dispersion modeling analysis was performed using the American Meteorological Society/Environmental Protection Agency Regulatory Model (AERMOD) dispersion model, Version 9.6.1, in conjunction with the Hotspots Analysis and Reporting Program Version 2 (HARP 2). CARB developed HARP 2 as a tool to implement the risk assessments and incorporates all the requirements provided by OEHHA as outlined in the Air Toxics Hot Spot Program Risk Assessment Guidelines – Guidance Manual for Preparation of Health Risk Assessments (OEHHA 2015).

The DPM emissions from diesel-powered construction equipment and on-site diesel-powered trucks that would be used during construction are based on the CalEEMod model output for the proposed project construction, as provided in Appendix C. Annual emissions of construction-related exhaust  $\text{PM}_{10}$ , as a surrogate for DPM, were calculated and then converted to grams per second for use in the AERMOD model. This HRA also assumed that heavy-duty diesel vehicles

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would have a trip length of 0.19 miles to represent on-site emissions. An unmitigated emission rate of  $1.27 \times 10^{-2}$  grams per second was calculated as follows:

0.6021 total tons exhaust  $PM_{10}$  = 1,204.2 total pounds (lbs) DPM during construction

$$1,204.2 \text{ lbs} \times 453.6 \text{ g/lb} \div (8 \text{ hrs/day} \times 1,495 \text{ working days}) \div 3600 \text{ seconds/hour} = \\ 1.27 \times 10^{-2} \text{ g/second}$$

A series of line-volume sources representing the site area was used to represent the emissions released by the construction equipment, as equipment will move freely around the site. A release height of 5 meters was provided to represent the midrange of the expected plume rise from frequently used construction equipment during daytime atmospheric conditions. Each volume source had a lateral and vertical dimension of 25 meters. These parameters reflect those utilized in the South Coast Air Quality Management District's Localized Significance Thresholds (LST) Methodology (SCAQMD 2008). In addition, the SDAPCD recommends the use of the rural dispersion coefficient as the modeling default, based on the close proximity to the coastline (SDAPCD 2015a).

The three latest years of AERMOD-ready meteorological data from 2010 through 2012 for the Lindbergh Field Monitoring Station were provided by the SDAPCD for use in AERMOD. The SDAPCD processed the data using EPA's AERMET meteorological data processor.

The cancer risk calculations were performed using the HARP 2 Air Dispersion Modeling and Risk Tool (ADMRT) by importing the predicted annual DPM concentrations from AERMOD for the sensitive receptors, including the Maximally Exposed Individual Resident (MEIR). Cancer risk parameters, such as age sensitivity factors, daily breathing rates, and cancer potency factors were based on the values and data recommended by OEHHA (2015) as implemented in HARP 2. The potential exposure pathway for DPM includes inhalation only. The potential exposure through other pathways (e.g., ingestion) requires substance and site-specific data, and the specific parameters for DPM are not known for these pathways.

For the purposes of this construction HRA, given the less-than-lifetime exposure period and the higher breathing rates and sensitivity of children to TACs, the cancer risk calculation assumes that the exposure would affect children early in their lives. For the derived cancer risk calculation under the worst-case scenario, the 5.75-year exposure duration was assumed to start during the third trimester of pregnancy. Additionally, as a conservative assumption, a "fraction at home" factor was not applied for age bins less than 16, whereas OEHHA recommends a 0.85 "fraction at home" factor for third trimester through 3 years old for evaluating residential cancer risk.

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In addition to the potential cancer risk, DPM has chronic (i.e., long-term) noncarcinogenic health impacts. The chronic hazard index was evaluated using the OEHHA inhalation RELs. The chronic noncarcinogenic inhalation hazard index for construction activities was also calculated using the HARP 2 ADMRT.

### DPM Concentrations, Cancer Risk, and Chronic Hazard

The results of the AERMOD and HARP 2 modeling are provided in Appendix C. The modeled maximum annual concentration at the MEIR would be  $0.015 \mu\text{g}/\text{m}^3$ . The associated cancer risk for the child MEIR (exposure starting in third trimester) would be approximately 7.22 in 1 million, which would not exceed the SDAPCD significance threshold of 10 in 1 million for cancer impacts. The associated chronic hazard index for the child MEIR would be approximately 0.003, which would not exceed the SDAPCD significance threshold of 1.0 for noncarcinogenic health impacts. Since emissions of DPM generated by construction of the proposed project would result in cancer and noncarcinogenic risk below the applicable thresholds, the impact would be less than significant. As such, the exposure of proposed project-related TAC emission impacts to sensitive receptors would be **less than significant**.

### Health Impacts of Criteria Air Pollutants

Construction and operation of the proposed project would not result in emissions that exceed the City's emission thresholds for any criteria air pollutants. Generally, the VOCs in architectural coatings are of relatively low toxicity. Additionally, SDAPCD Rule 67.0.1 restricts the VOC content of coatings for both construction and operational applications.

In addition, VOCs and  $\text{NO}_x$  are precursors to  $\text{O}_3$ , for which the SDAB is designated as nonattainment with respect to the NAAQS and CAAQS (the SDAB is designated by the EPA as an attainment area for the 1-hour  $\text{O}_3$  NAAQS standard and 1997 8-hour NAAQS standard). The health effects associated with  $\text{O}_3$ , as discussed in Section 3.1, are generally associated with reduced lung function. The contribution of VOCs and  $\text{NO}_x$  to regional ambient  $\text{O}_3$  concentrations is the result of complex photochemistry. The increases in  $\text{O}_3$  concentrations in the SDAB due to  $\text{O}_3$  precursor emissions tend to be found downwind from the source location to allow time for the photochemical reactions to occur. However, the potential for exacerbating excessive  $\text{O}_3$  concentrations would also depend on the time of year that the VOC emissions would occur because exceedances of the  $\text{O}_3$  AAQS tend to occur between April and October when solar radiation is highest.

The holistic effect of a single project's emissions of  $\text{O}_3$  precursors is speculative due to the lack of quantitative methods to assess this impact. Nonetheless, the VOC and  $\text{NO}_x$  emissions associated with proposed project construction could minimally contribute to regional  $\text{O}_3$  concentrations and

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the associated health impacts. Due to the minimal contribution during construction and operation, as well as the existing good air quality in coastal San Diego areas, health impacts would be considered **less than significant**.

Similar to O<sub>3</sub>, construction of the proposed project would not exceed thresholds for PM<sub>10</sub> or PM<sub>2.5</sub> and would not contribute to exceedances of the NAAQS and CAAQS for particulate matter. The proposed project would also not result in substantial DPM emissions during construction and operation and would not result in significant health effects related to DPM exposure. Due to the minimal contribution of particulate matter during construction and operation, health impacts would be considered **less than significant**.

Regarding nitrogen dioxide, according to the construction emissions analysis, construction of the proposed project would not contribute to exceedances of the NAAQS and CAAQS for NO<sub>2</sub>. As described in Section 3.1, NO<sub>2</sub> and NO<sub>x</sub> health impacts are associated with respiratory irritation, which may be experienced by nearby receptors during the periods of heaviest use of off-road construction equipment. However, these operations would be relatively short term, and the proposed project would be required to comply with SDAPCD Rule 55, which limits the amount of fugitive dust generated during construction. Additionally, off-road construction equipment would be operating at various portions of the site and would not be concentrated in one portion of the site at any one time. Construction of the proposed project would not require any stationary emission sources that would create substantial, localized NO<sub>x</sub> impacts. Therefore, health impacts would be considered **less than significant**.

The VOC and NO<sub>x</sub> emissions, as described previously, would minimally contribute to regional O<sub>3</sub> concentrations and the associated health effects. In addition to O<sub>3</sub>, NO<sub>x</sub> emissions would not contribute to potential exceedances of the NAAQS and CAAQS for NO<sub>2</sub>. As shown in Table 2, the existing NO<sub>2</sub> concentrations in the area are well below the NAAQS and CAAQS standards. Thus, it is not expected that the proposed project's operational NO<sub>x</sub> emissions would result in exceedances of the NO<sub>2</sub> standards or contribute to the associated health effects. CO tends to be a localized impact associated with congested intersections. The associated CO "hotspots" were discussed previously as a less-than-significant impact. Thus, the proposed project's CO emissions would not contribute to significant health effects associated with this pollutant. PM<sub>10</sub> and PM<sub>2.5</sub> would not contribute to potential exceedances of the NAAQS and CAAQS for particulate matter, would not obstruct the SDAB from coming into attainment for these pollutants, and would not contribute to significant health effects associated with particulates. Health impacts associated with criteria air pollutants would be considered **less than significant**.



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## Mitigation Measures

No mitigation is required for the proposed project.

## 7.5 Create Objectionable Odors Affecting a Substantial Number of People

The State of California Health and Safety Code, Division 26, Part 4, Chapter 3, Section 41700 and SDAPCD Rule 51, commonly referred to as public nuisance law, prohibits emissions from any source whatsoever in such quantities of air contaminants or other material that cause injury, detriment, nuisance, or annoyance to the public health or damage to property. Projects required to obtain permits from SDAPCD are evaluated by SDAPCD staff for potential odor nuisance, and conditions may be applied (or control equipment required) where necessary to prevent occurrence of public nuisance.

Section 6318 of the San Diego County Zoning Ordinance requires that all commercial and industrial uses be operated so as not to emit matter causing unpleasant odors that are perceptible by the average person at or beyond any lot line of the lot containing said uses. Section 6318 goes on to further provide specific dilution standards that must be met “at or beyond any lot line of the lot containing the uses” (County of San Diego 1979). SDAPCD Rule 51 (Public Nuisance) also prohibits emission of any material that causes nuisance to a considerable number of persons or endangers the comfort, health, or safety of any person. A project that involves a use that would produce objectionable odors would be deemed to have a significant odor impact if it would affect a considerable number of off-site receptors. Odor issues are very subjective due to the nature of odors themselves and the fact that their measurements are difficult to quantify. As a result, this guideline is qualitative and will focus on the existing and potential surrounding uses and location of sensitive receptors.

Odors would be generated from vehicles and/or equipment exhaust emissions during construction of the proposed project facilities. Odors produced during construction would be attributable to concentrations of unburned hydrocarbons from tailpipes of construction equipment and architectural coatings. Such odors are temporary, and for the types of construction activities anticipated for proposed project components, would generally occur at magnitudes that would not affect substantial numbers of people. Therefore, impacts associated with odors during construction would be considered **less than significant**.

Due to the subjective nature of odor impacts, the number of variables that can influence the potential for an odor impact, and the variety of odor sources, there are no quantitative or formulaic methodologies to determine if potential odors would have a significant impact. Examples of land

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uses and industrial operations that are commonly associated with odor complaints include agricultural uses, wastewater treatment plants, food processing facilities, chemical plants, composting, refineries, landfills, dairies, and fiberglass molding. In addition to the odor source, the distance between the sensitive receptor(s) and the odor source, as well as the local meteorological conditions, are considerations in the potential for a project to frequently expose the public to objectionable odors. Although localized air quality impacts are focused on potential impacts to sensitive receptors, such as residences and schools, other land uses where people may congregate (e.g., workplaces) or uses with the intent to attract people (e.g., restaurants and visitor-serving accommodations), should also be considered in the evaluation of potential odor nuisance impacts.

Upon completion of construction of the proposed project, the land uses would include natural habitat, guest housing, and a food services building. These land uses are not typically associated with nuisance odors. Therefore, impacts associated with odors during operation would be considered **less than significant**.

### **Mitigation Measures**

No mitigation is required for the proposed project.

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# **APPENDIX A**

*CalEEMod Outputs and Estimated Emissions for  
the Proposed Project*





De Anza Cove Amendment - San Diego County APCD Air District, Annual

**De Anza Cove Amendment**  
**San Diego County APCD Air District, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	1.00	1000sqft	0.02	1,000.00	0
Other Asphalt Surfaces	4.13	Acre	4.13	179,902.80	0
Parking Lot	5.30	Acre	5.30	230,868.00	0
Fast Food Restaurant w/o Drive Thru	1.00	1000sqft	0.02	1,000.00	0
Quality Restaurant	5.00	1000sqft	0.11	5,000.00	0
Mobile Home Park	330.00	Dwelling Unit	41.57	396,000.00	944

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	40
<b>Climate Zone</b>	13			<b>Operational Year</b>	2027
<b>Utility Company</b>	San Diego Gas & Electric				
<b>CO2 Intensity (lb/MW hr)</b>	720.49	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

- Project Characteristics -
- Land Use - Based on City provided information.
- Construction Phase - CalEEMod defaults.
- Off-road Equipment - CalEEMod defaults.
- Off-road Equipment - CalEEMod defaults.

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Off-road Equipment - CalEEMod defaults.

Off-road Equipment - CalEEMod defaults.

Off-road Equipment - CalEEMod defaults.

Off-road Equipment - CalEEMod defaults.

Trips and VMT - CalEEMod defaults, rounding up to even number of trips. Haul distance during grading phase represents onsite movement of material. There is no import or export, it is a balanced site.

On-road Fugitive Dust - CalEEMod defaults.

Demolition - Based on demolition of Campland.

Grading - 693,560 cubic yards of cut and fill, balanced on-site.

Architectural Coating - In accordance with SDAPCD Rule 67.0.1.

Vehicle Trips - No net increase in mobile.

Woodstoves - No increase in wood stove use.

Consumer Products - Consumer product use for food service land uses only.

Area Coating - Architectural coatings for food land use only.

Landscape Equipment - No net increase.

Energy Use - CalEEMod defaults for food land use and ranger station only.

Water And Wastewater - CalEEMod defaults for food land use and ranger station only.

Solid Waste - CalEEMod defaults for food land use and ranger station only.

Construction Off-road Equipment Mitigation - water twice daily

Area Mitigation - In accordance with SDAPCD Rule 67.0.1.

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00

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tblArchitecturalCoating	EF_Parking	250.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Parking	250	0
tblAreaCoating	Area_EF_Residential_Exterior	250	0
tblAreaCoating	Area_EF_Residential_Interior	250	0
tblAreaMitigation	UseLowVOCPaintParkingValue	250	0
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	250	0
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	250	0
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	0
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	0
tblEnergyUse	LightingElect	1,038.60	0.00
tblEnergyUse	NT24E	4,004.74	0.00
tblEnergyUse	NT24NG	4,180.00	0.00
tblEnergyUse	T24E	381.10	0.00
tblEnergyUse	T24NG	18,916.87	0.00
tblFireplaces	FireplaceDayYear	82.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	3,078.40	0.00
tblFireplaces	NumberGas	181.50	0.00
tblFireplaces	NumberNoFireplace	33.00	0.00
tblFireplaces	NumberWood	115.50	0.00
tblGrading	MaterialExported	0.00	693,560.00
tblGrading	MaterialImported	0.00	693,560.00
tblSolidWaste	SolidWasteGenerationRate	151.80	0.00
tblTripsAndVMT	HaulingTripLength	20.00	0.75
tblTripsAndVMT	HaulingTripNumber	3,307.00	3,308.00

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tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblTripsAndVMT	WorkerTripNumber	413.00	414.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblTripsAndVMT	WorkerTripNumber	83.00	84.00
tblVehicleTrips	HO_TTP	39.60	0.00
tblVehicleTrips	HS_TTP	18.80	0.00
tblVehicleTrips	HW_TTP	41.60	100.00
tblVehicleTrips	ST_TR	696.00	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	5.00	0.00
tblVehicleTrips	ST_TR	94.36	0.00
tblVehicleTrips	SU_TR	500.00	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	4.36	0.00
tblVehicleTrips	SU_TR	72.16	0.00
tblVehicleTrips	WD_TR	716.00	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	4.99	0.00
tblVehicleTrips	WD_TR	89.95	0.00
tblWater	IndoorWaterUseRate	21,500,828.46	0.00
tblWater	OutdoorWaterUseRate	13,554,870.11	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00

**2.0 Emissions Summary**

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**2.1 Overall Construction**

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.6797	14.0415	4.9935	0.0195	1.4822	0.2334	1.7156	0.5162	0.2159	0.7321	0.0000	1,852.3978	1,852.3978	0.3523	0.0000	1,861.2039
2022	0.4377	3.4638	3.7263	0.0111	0.5213	0.1107	0.6320	0.1406	0.1041	0.2447	0.0000	1,014.5629	1,014.5629	0.1075	0.0000	1,017.2499
2023	0.4023	3.0119	3.5889	0.0109	0.5213	0.0951	0.6165	0.1406	0.0895	0.2301	0.0000	991.9789	991.9789	0.1039	0.0000	994.5775
2024	0.3827	2.8879	3.5190	0.0108	0.5253	0.0845	0.6098	0.1417	0.0794	0.2211	0.0000	983.6233	983.6233	0.1033	0.0000	986.2058
2025	0.3596	2.7269	3.4163	0.0105	0.5233	0.0729	0.5962	0.1411	0.0685	0.2096	0.0000	964.2716	964.2716	0.1016	0.0000	966.8119
2026	1.7245	0.6404	1.0144	2.2400e-003	0.0822	0.0251	0.1073	0.0221	0.0234	0.0454	0.0000	200.9472	200.9472	0.0354	0.0000	201.8309
<b>Maximum</b>	<b>1.7245</b>	<b>14.0415</b>	<b>4.9935</b>	<b>0.0195</b>	<b>1.4822</b>	<b>0.2334</b>	<b>1.7156</b>	<b>0.5162</b>	<b>0.2159</b>	<b>0.7321</b>	<b>0.0000</b>	<b>1,852.3978</b>	<b>1,852.3978</b>	<b>0.3523</b>	<b>0.0000</b>	<b>1,861.2039</b>

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**2.1 Overall Construction**

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.6797	14.0415	4.9935	0.0195	0.7683	0.2334	1.0016	0.2599	0.2159	0.4758	0.0000	1,852.397 1	1,852.397 1	0.3523	0.0000	1,861.203 3
2022	0.4377	3.4638	3.7263	0.0111	0.5213	0.1107	0.6320	0.1406	0.1041	0.2447	0.0000	1,014.562 6	1,014.562 6	0.1075	0.0000	1,017.249 6
2023	0.4023	3.0119	3.5889	0.0109	0.5213	0.0951	0.6165	0.1406	0.0895	0.2301	0.0000	991.9786	991.9786	0.1039	0.0000	994.5772
2024	0.3827	2.8879	3.5190	0.0108	0.5253	0.0845	0.6098	0.1417	0.0794	0.2211	0.0000	983.6230	983.6230	0.1033	0.0000	986.2054
2025	0.3596	2.7269	3.4163	0.0105	0.5233	0.0729	0.5962	0.1411	0.0685	0.2096	0.0000	964.2712	964.2712	0.1016	0.0000	966.8115
2026	1.7245	0.6404	1.0144	2.2400e-003	0.0822	0.0251	0.1073	0.0221	0.0234	0.0454	0.0000	200.9471	200.9471	0.0354	0.0000	201.8307
<b>Maximum</b>	<b>1.7245</b>	<b>14.0415</b>	<b>4.9935</b>	<b>0.0195</b>	<b>0.7683</b>	<b>0.2334</b>	<b>1.0016</b>	<b>0.2599</b>	<b>0.2159</b>	<b>0.4758</b>	<b>0.0000</b>	<b>1,852.397 1</b>	<b>1,852.397 1</b>	<b>0.3523</b>	<b>0.0000</b>	<b>1,861.203 3</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>19.53</b>	<b>0.00</b>	<b>16.69</b>	<b>23.25</b>	<b>0.00</b>	<b>15.23</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2021	3-31-2021	1.5200	1.5200
2	4-1-2021	6-30-2021	3.0581	3.0581
3	7-1-2021	9-30-2021	6.9292	6.9292
4	10-1-2021	12-31-2021	3.2437	3.2437
5	1-1-2022	3-31-2022	0.9674	0.9674

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6	4-1-2022	6-30-2022	0.9693	0.9693
7	7-1-2022	9-30-2022	0.9800	0.9800
8	10-1-2022	12-31-2022	0.9889	0.9889
9	1-1-2023	3-31-2023	0.8476	0.8476
10	4-1-2023	6-30-2023	0.8489	0.8489
11	7-1-2023	9-30-2023	0.8582	0.8582
12	10-1-2023	12-31-2023	0.8664	0.8664
13	1-1-2024	3-31-2024	0.8147	0.8147
14	4-1-2024	6-30-2024	0.8070	0.8070
15	7-1-2024	9-30-2024	0.8159	0.8159
16	10-1-2024	12-31-2024	0.8237	0.8237
17	1-1-2025	3-31-2025	0.7634	0.7634
18	4-1-2025	6-30-2025	0.7645	0.7645
19	7-1-2025	9-30-2025	0.7729	0.7729
20	10-1-2025	12-31-2025	0.7803	0.7803
21	1-1-2026	3-31-2026	0.4935	0.4935
22	4-1-2026	6-30-2026	0.8234	0.8234
23	7-1-2026	9-30-2026	1.0453	1.0453
		Highest	6.9292	6.9292

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**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.5820	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Energy	5.7500e-003	0.0523	0.0439	3.1000e-004		3.9700e-003	3.9700e-003		3.9700e-003	3.9700e-003	0.0000	163.5956	163.5956	5.3800e-003	1.9300e-003	164.3059
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	3.4529	0.0000	3.4529	0.2041	0.0000	8.5544
Water						0.0000	0.0000		0.0000	0.0000	0.6342	9.3238	9.9580	0.0655	1.6200e-003	12.0772
<b>Total</b>	<b>1.5878</b>	<b>0.0523</b>	<b>0.0439</b>	<b>3.1000e-004</b>	<b>0.0000</b>	<b>3.9700e-003</b>	<b>3.9700e-003</b>	<b>0.0000</b>	<b>3.9700e-003</b>	<b>3.9700e-003</b>	<b>4.0871</b>	<b>172.9194</b>	<b>177.0065</b>	<b>0.2750</b>	<b>3.5500e-003</b>	<b>184.9375</b>



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**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.5820	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Energy	5.7500e-003	0.0523	0.0439	3.1000e-004		3.9700e-003	3.9700e-003		3.9700e-003	3.9700e-003	0.0000	163.5956	163.5956	5.3800e-003	1.9300e-003	164.3059
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	3.4529	0.0000	3.4529	0.2041	0.0000	8.5544
Water						0.0000	0.0000		0.0000	0.0000	0.6342	9.3238	9.9580	0.0655	1.6200e-003	12.0772
<b>Total</b>	<b>1.5878</b>	<b>0.0523</b>	<b>0.0439</b>	<b>3.1000e-004</b>	<b>0.0000</b>	<b>3.9700e-003</b>	<b>3.9700e-003</b>	<b>0.0000</b>	<b>3.9700e-003</b>	<b>3.9700e-003</b>	<b>4.0871</b>	<b>172.9194</b>	<b>177.0065</b>	<b>0.2750</b>	<b>3.5500e-003</b>	<b>184.9375</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**3.0 Construction Detail**

**Construction Phase**

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2021	4/8/2021	5	70	
2	Site Preparation	Site Preparation	4/9/2021	6/3/2021	5	40	
3	Grading	Grading	6/4/2021	11/4/2021	5	110	
4	Building Construction	Building Construction	11/5/2021	2/5/2026	5	1110	
5	Paving	Paving	2/6/2026	5/21/2026	5	75	
6	Architectural Coating	Architectural Coating	5/22/2026	9/3/2026	5	75	

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 275**

**Acres of Paving: 9.43**

**Residential Indoor: 801,900; Residential Outdoor: 267,300; Non-Residential Indoor: 10,500; Non-Residential Outdoor: 3,500; Striped Parking Area: 24,646 (Architectural Coating – sqft)**

**OffRoad Equipment**

## De Anza Cove Amendment - San Diego County APCD Air District, Annual

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

Trips and VMT

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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	16.00	0.00	3,308.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	173,390.00	10.80	7.30	0.75	LD_Mix	HDT_Mix	HHDT
Building Construction	9	414.00	104.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	16.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	84.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

**3.2 Demolition - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3623	0.0000	0.3623	0.0549	0.0000	0.0549	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1108	1.1004	0.7548	1.3600e-003		0.0543	0.0543		0.0504	0.0504	0.0000	119.0028	119.0028	0.0335	0.0000	119.8401
<b>Total</b>	<b>0.1108</b>	<b>1.1004</b>	<b>0.7548</b>	<b>1.3600e-003</b>	<b>0.3623</b>	<b>0.0543</b>	<b>0.4166</b>	<b>0.0549</b>	<b>0.0504</b>	<b>0.1053</b>	<b>0.0000</b>	<b>119.0028</b>	<b>119.0028</b>	<b>0.0335</b>	<b>0.0000</b>	<b>119.8401</b>

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**3.2 Demolition - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0124	0.4320	0.1066	1.2700e-003	0.0283	1.3100e-003	0.0296	7.7700e-003	1.2500e-003	9.0200e-003	0.0000	125.9721	125.9721	0.0114	0.0000	126.2564
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9500e-003	1.3900e-003	0.0140	4.0000e-005	4.4900e-003	3.0000e-005	4.5200e-003	1.1900e-003	3.0000e-005	1.2200e-003	0.0000	3.9229	3.9229	1.1000e-004	0.0000	3.9257
<b>Total</b>	<b>0.0144</b>	<b>0.4334</b>	<b>0.1205</b>	<b>1.3100e-003</b>	<b>0.0328</b>	<b>1.3400e-003</b>	<b>0.0341</b>	<b>8.9600e-003</b>	<b>1.2800e-003</b>	<b>0.0102</b>	<b>0.0000</b>	<b>129.8951</b>	<b>129.8951</b>	<b>0.0115</b>	<b>0.0000</b>	<b>130.1821</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1630	0.0000	0.1630	0.0247	0.0000	0.0247	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1108	1.1004	0.7548	1.3600e-003		0.0543	0.0543		0.0504	0.0504	0.0000	119.0026	119.0026	0.0335	0.0000	119.8400
<b>Total</b>	<b>0.1108</b>	<b>1.1004</b>	<b>0.7548</b>	<b>1.3600e-003</b>	<b>0.1630</b>	<b>0.0543</b>	<b>0.2173</b>	<b>0.0247</b>	<b>0.0504</b>	<b>0.0751</b>	<b>0.0000</b>	<b>119.0026</b>	<b>119.0026</b>	<b>0.0335</b>	<b>0.0000</b>	<b>119.8400</b>

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**3.2 Demolition - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0124	0.4320	0.1066	1.2700e-003	0.0283	1.3100e-003	0.0296	7.7700e-003	1.2500e-003	9.0200e-003	0.0000	125.9721	125.9721	0.0114	0.0000	126.2564
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9500e-003	1.3900e-003	0.0140	4.0000e-005	4.4900e-003	3.0000e-005	4.5200e-003	1.1900e-003	3.0000e-005	1.2200e-003	0.0000	3.9229	3.9229	1.1000e-004	0.0000	3.9257
<b>Total</b>	<b>0.0144</b>	<b>0.4334</b>	<b>0.1205</b>	<b>1.3100e-003</b>	<b>0.0328</b>	<b>1.3400e-003</b>	<b>0.0341</b>	<b>8.9600e-003</b>	<b>1.2800e-003</b>	<b>0.0102</b>	<b>0.0000</b>	<b>129.8951</b>	<b>129.8951</b>	<b>0.0115</b>	<b>0.0000</b>	<b>130.1821</b>

**3.3 Site Preparation - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3613	0.0000	0.3613	0.1986	0.0000	0.1986	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0778	0.8099	0.4231	7.6000e-004		0.0409	0.0409		0.0376	0.0376	0.0000	66.8714	66.8714	0.0216	0.0000	67.4121
<b>Total</b>	<b>0.0778</b>	<b>0.8099</b>	<b>0.4231</b>	<b>7.6000e-004</b>	<b>0.3613</b>	<b>0.0409</b>	<b>0.4022</b>	<b>0.1986</b>	<b>0.0376</b>	<b>0.2362</b>	<b>0.0000</b>	<b>66.8714</b>	<b>66.8714</b>	<b>0.0216</b>	<b>0.0000</b>	<b>67.4121</b>

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**3.3 Site Preparation - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2500e-003	8.9000e-004	8.9900e-003	3.0000e-005	2.8900e-003	2.0000e-005	2.9100e-003	7.7000e-004	2.0000e-005	7.9000e-004	0.0000	2.5219	2.5219	7.0000e-005	0.0000	2.5237
<b>Total</b>	<b>1.2500e-003</b>	<b>8.9000e-004</b>	<b>8.9900e-003</b>	<b>3.0000e-005</b>	<b>2.8900e-003</b>	<b>2.0000e-005</b>	<b>2.9100e-003</b>	<b>7.7000e-004</b>	<b>2.0000e-005</b>	<b>7.9000e-004</b>	<b>0.0000</b>	<b>2.5219</b>	<b>2.5219</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>2.5237</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1626	0.0000	0.1626	0.0894	0.0000	0.0894	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0778	0.8099	0.4231	7.6000e-004		0.0409	0.0409		0.0376	0.0376	0.0000	66.8714	66.8714	0.0216	0.0000	67.4120
<b>Total</b>	<b>0.0778</b>	<b>0.8099</b>	<b>0.4231</b>	<b>7.6000e-004</b>	<b>0.1626</b>	<b>0.0409</b>	<b>0.2035</b>	<b>0.0894</b>	<b>0.0376</b>	<b>0.1270</b>	<b>0.0000</b>	<b>66.8714</b>	<b>66.8714</b>	<b>0.0216</b>	<b>0.0000</b>	<b>67.4120</b>

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**3.3 Site Preparation - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2500e-003	8.9000e-004	8.9900e-003	3.0000e-005	2.8900e-003	2.0000e-005	2.9100e-003	7.7000e-004	2.0000e-005	7.9000e-004	0.0000	2.5219	2.5219	7.0000e-005	0.0000	2.5237
<b>Total</b>	<b>1.2500e-003</b>	<b>8.9000e-004</b>	<b>8.9900e-003</b>	<b>3.0000e-005</b>	<b>2.8900e-003</b>	<b>2.0000e-005</b>	<b>2.9100e-003</b>	<b>7.7000e-004</b>	<b>2.0000e-005</b>	<b>7.9000e-004</b>	<b>0.0000</b>	<b>2.5219</b>	<b>2.5219</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>2.5237</b>

**3.4 Grading - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.5745	0.0000	0.5745	0.2126	0.0000	0.2126	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2305	2.5520	1.6983	3.4100e-003		0.1092	0.1092		0.1005	0.1005	0.0000	299.7224	299.7224	0.0969	0.0000	302.1458
<b>Total</b>	<b>0.2305</b>	<b>2.5520</b>	<b>1.6983</b>	<b>3.4100e-003</b>	<b>0.5745</b>	<b>0.1092</b>	<b>0.6837</b>	<b>0.2126</b>	<b>0.1005</b>	<b>0.3130</b>	<b>0.0000</b>	<b>299.7224</b>	<b>299.7224</b>	<b>0.0969</b>	<b>0.0000</b>	<b>302.1458</b>



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**3.4 Grading - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.1661	8.5446	1.3501	0.0107	0.0574	6.9800e-003	0.0644	0.0159	6.6800e-003	0.0226	0.0000	1,064.0005	1,064.0005	0.1711	0.0000	1,068.2784
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.8200e-003	2.7300e-003	0.0275	9.0000e-005	8.8200e-003	6.0000e-005	8.8800e-003	2.3400e-003	6.0000e-005	2.4000e-003	0.0000	7.7058	7.7058	2.2000e-004	0.0000	7.7113
<b>Total</b>	<b>0.1699</b>	<b>8.5474</b>	<b>1.3776</b>	<b>0.0108</b>	<b>0.0662</b>	<b>7.0400e-003</b>	<b>0.0733</b>	<b>0.0183</b>	<b>6.7400e-003</b>	<b>0.0250</b>	<b>0.0000</b>	<b>1,071.7062</b>	<b>1,071.7062</b>	<b>0.1713</b>	<b>0.0000</b>	<b>1,075.9896</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2585	0.0000	0.2585	0.0957	0.0000	0.0957	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2305	2.5520	1.6983	3.4100e-003		0.1092	0.1092		0.1005	0.1005	0.0000	299.7220	299.7220	0.0969	0.0000	302.1455
<b>Total</b>	<b>0.2305</b>	<b>2.5520</b>	<b>1.6983</b>	<b>3.4100e-003</b>	<b>0.2585</b>	<b>0.1092</b>	<b>0.3677</b>	<b>0.0957</b>	<b>0.1005</b>	<b>0.1961</b>	<b>0.0000</b>	<b>299.7220</b>	<b>299.7220</b>	<b>0.0969</b>	<b>0.0000</b>	<b>302.1455</b>

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**3.4 Grading - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.1661	8.5446	1.3501	0.0107	0.0574	6.9800e-003	0.0644	0.0159	6.6800e-003	0.0226	0.0000	1,064.0005	1,064.0005	0.1711	0.0000	1,068.2784
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.8200e-003	2.7300e-003	0.0275	9.0000e-005	8.8200e-003	6.0000e-005	8.8800e-003	2.3400e-003	6.0000e-005	2.4000e-003	0.0000	7.7058	7.7058	2.2000e-004	0.0000	7.7113
<b>Total</b>	<b>0.1699</b>	<b>8.5474</b>	<b>1.3776</b>	<b>0.0108</b>	<b>0.0662</b>	<b>7.0400e-003</b>	<b>0.0733</b>	<b>0.0183</b>	<b>6.7400e-003</b>	<b>0.0250</b>	<b>0.0000</b>	<b>1,071.7062</b>	<b>1,071.7062</b>	<b>0.1713</b>	<b>0.0000</b>	<b>1,075.9896</b>

**3.5 Building Construction - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0390	0.3574	0.3398	5.5000e-004		0.0197	0.0197		0.0185	0.0185	0.0000	47.4856	47.4856	0.0115	0.0000	47.7721
<b>Total</b>	<b>0.0390</b>	<b>0.3574</b>	<b>0.3398</b>	<b>5.5000e-004</b>		<b>0.0197</b>	<b>0.0197</b>		<b>0.0185</b>	<b>0.0185</b>	<b>0.0000</b>	<b>47.4856</b>	<b>47.4856</b>	<b>0.0115</b>	<b>0.0000</b>	<b>47.7721</b>

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**3.5 Building Construction - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.5900e-003	0.2191	0.0584	5.7000e-004	0.0142	4.6000e-004	0.0146	4.0900e-003	4.4000e-004	4.5300e-003	0.0000	55.7390	55.7390	4.1400e-003	0.0000	55.8424
Worker	0.0295	0.0211	0.2120	6.6000e-004	0.0681	4.8000e-004	0.0685	0.0181	4.4000e-004	0.0185	0.0000	59.4534	59.4534	1.7000e-003	0.0000	59.4960
<b>Total</b>	<b>0.0361</b>	<b>0.2402</b>	<b>0.2705</b>	<b>1.2300e-003</b>	<b>0.0822</b>	<b>9.4000e-004</b>	<b>0.0832</b>	<b>0.0222</b>	<b>8.8000e-004</b>	<b>0.0231</b>	<b>0.0000</b>	<b>115.1924</b>	<b>115.1924</b>	<b>5.8400e-003</b>	<b>0.0000</b>	<b>115.3384</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0390	0.3574	0.3398	5.5000e-004		0.0197	0.0197		0.0185	0.0185	0.0000	47.4856	47.4856	0.0115	0.0000	47.7720
<b>Total</b>	<b>0.0390</b>	<b>0.3574</b>	<b>0.3398</b>	<b>5.5000e-004</b>		<b>0.0197</b>	<b>0.0197</b>		<b>0.0185</b>	<b>0.0185</b>	<b>0.0000</b>	<b>47.4856</b>	<b>47.4856</b>	<b>0.0115</b>	<b>0.0000</b>	<b>47.7720</b>

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**3.5 Building Construction - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.5900e-003	0.2191	0.0584	5.7000e-004	0.0142	4.6000e-004	0.0146	4.0900e-003	4.4000e-004	4.5300e-003	0.0000	55.7390	55.7390	4.1400e-003	0.0000	55.8424
Worker	0.0295	0.0211	0.2120	6.6000e-004	0.0681	4.8000e-004	0.0685	0.0181	4.4000e-004	0.0185	0.0000	59.4534	59.4534	1.7000e-003	0.0000	59.4960
<b>Total</b>	<b>0.0361</b>	<b>0.2402</b>	<b>0.2705</b>	<b>1.2300e-003</b>	<b>0.0822</b>	<b>9.4000e-004</b>	<b>0.0832</b>	<b>0.0222</b>	<b>8.8000e-004</b>	<b>0.0231</b>	<b>0.0000</b>	<b>115.1924</b>	<b>115.1924</b>	<b>5.8400e-003</b>	<b>0.0000</b>	<b>115.3384</b>

**3.5 Building Construction - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2218	2.0300	2.1272	3.5000e-003		0.1052	0.1052		0.0990	0.0990	0.0000	301.2428	301.2428	0.0722	0.0000	303.0471
<b>Total</b>	<b>0.2218</b>	<b>2.0300</b>	<b>2.1272</b>	<b>3.5000e-003</b>		<b>0.1052</b>	<b>0.1052</b>		<b>0.0990</b>	<b>0.0990</b>	<b>0.0000</b>	<b>301.2428</b>	<b>301.2428</b>	<b>0.0722</b>	<b>0.0000</b>	<b>303.0471</b>

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**3.5 Building Construction - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0389	1.3121	0.3508	3.5800e-003	0.0897	2.5300e-003	0.0923	0.0259	2.4200e-003	0.0283	0.0000	350.1196	350.1196	0.0254	0.0000	350.7549
Worker	0.1770	0.1217	1.2483	4.0200e-003	0.4316	2.9900e-003	0.4346	0.1147	2.7500e-003	0.1174	0.0000	363.2005	363.2005	9.9000e-003	0.0000	363.4480
<b>Total</b>	<b>0.2159</b>	<b>1.4338</b>	<b>1.5991</b>	<b>7.6000e-003</b>	<b>0.5213</b>	<b>5.5200e-003</b>	<b>0.5269</b>	<b>0.1406</b>	<b>5.1700e-003</b>	<b>0.1458</b>	<b>0.0000</b>	<b>713.3201</b>	<b>713.3201</b>	<b>0.0353</b>	<b>0.0000</b>	<b>714.2029</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2218	2.0300	2.1272	3.5000e-003		0.1052	0.1052		0.0990	0.0990	0.0000	301.2425	301.2425	0.0722	0.0000	303.0467
<b>Total</b>	<b>0.2218</b>	<b>2.0300</b>	<b>2.1272</b>	<b>3.5000e-003</b>		<b>0.1052</b>	<b>0.1052</b>		<b>0.0990</b>	<b>0.0990</b>	<b>0.0000</b>	<b>301.2425</b>	<b>301.2425</b>	<b>0.0722</b>	<b>0.0000</b>	<b>303.0467</b>

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**3.5 Building Construction - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0389	1.3121	0.3508	3.5800e-003	0.0897	2.5300e-003	0.0923	0.0259	2.4200e-003	0.0283	0.0000	350.1196	350.1196	0.0254	0.0000	350.7549
Worker	0.1770	0.1217	1.2483	4.0200e-003	0.4316	2.9900e-003	0.4346	0.1147	2.7500e-003	0.1174	0.0000	363.2005	363.2005	9.9000e-003	0.0000	363.4480
<b>Total</b>	<b>0.2159</b>	<b>1.4338</b>	<b>1.5991</b>	<b>7.6000e-003</b>	<b>0.5213</b>	<b>5.5200e-003</b>	<b>0.5269</b>	<b>0.1406</b>	<b>5.1700e-003</b>	<b>0.1458</b>	<b>0.0000</b>	<b>713.3201</b>	<b>713.3201</b>	<b>0.0353</b>	<b>0.0000</b>	<b>714.2029</b>

**3.5 Building Construction - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3462	301.3462	0.0717	0.0000	303.1383
<b>Total</b>	<b>0.2045</b>	<b>1.8700</b>	<b>2.1117</b>	<b>3.5000e-003</b>		<b>0.0910</b>	<b>0.0910</b>		<b>0.0856</b>	<b>0.0856</b>	<b>0.0000</b>	<b>301.3462</b>	<b>301.3462</b>	<b>0.0717</b>	<b>0.0000</b>	<b>303.1383</b>

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**3.5 Building Construction - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0300	1.0307	0.3195	3.4800e-003	0.0897	1.2400e-003	0.0910	0.0259	1.1800e-003	0.0271	0.0000	341.3057	341.3057	0.0232	0.0000	341.8859
Worker	0.1678	0.1111	1.1577	3.8600e-003	0.4316	2.9300e-003	0.4345	0.1147	2.7000e-003	0.1174	0.0000	349.3270	349.3270	9.0500e-003	0.0000	349.5533
<b>Total</b>	<b>0.1978</b>	<b>1.1418</b>	<b>1.4772</b>	<b>7.3400e-003</b>	<b>0.5213</b>	<b>4.1700e-003</b>	<b>0.5255</b>	<b>0.1406</b>	<b>3.8800e-003</b>	<b>0.1445</b>	<b>0.0000</b>	<b>690.6328</b>	<b>690.6328</b>	<b>0.0323</b>	<b>0.0000</b>	<b>691.4392</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3458	301.3458	0.0717	0.0000	303.1380
<b>Total</b>	<b>0.2045</b>	<b>1.8700</b>	<b>2.1117</b>	<b>3.5000e-003</b>		<b>0.0910</b>	<b>0.0910</b>		<b>0.0856</b>	<b>0.0856</b>	<b>0.0000</b>	<b>301.3458</b>	<b>301.3458</b>	<b>0.0717</b>	<b>0.0000</b>	<b>303.1380</b>

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**3.5 Building Construction - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0300	1.0307	0.3195	3.4800e-003	0.0897	1.2400e-003	0.0910	0.0259	1.1800e-003	0.0271	0.0000	341.3057	341.3057	0.0232	0.0000	341.8859
Worker	0.1678	0.1111	1.1577	3.8600e-003	0.4316	2.9300e-003	0.4345	0.1147	2.7000e-003	0.1174	0.0000	349.3270	349.3270	9.0500e-003	0.0000	349.5533
<b>Total</b>	<b>0.1978</b>	<b>1.1418</b>	<b>1.4772</b>	<b>7.3400e-003</b>	<b>0.5213</b>	<b>4.1700e-003</b>	<b>0.5255</b>	<b>0.1406</b>	<b>3.8800e-003</b>	<b>0.1445</b>	<b>0.0000</b>	<b>690.6328</b>	<b>690.6328</b>	<b>0.0323</b>	<b>0.0000</b>	<b>691.4392</b>

**3.5 Building Construction - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7223	303.7223	0.0718	0.0000	305.5179
<b>Total</b>	<b>0.1928</b>	<b>1.7611</b>	<b>2.1179</b>	<b>3.5300e-003</b>		<b>0.0803</b>	<b>0.0803</b>		<b>0.0756</b>	<b>0.0756</b>	<b>0.0000</b>	<b>303.7223</b>	<b>303.7223</b>	<b>0.0718</b>	<b>0.0000</b>	<b>305.5179</b>



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**3.5 Building Construction - 2024**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0292	1.0241	0.3117	3.4800e-003	0.0904	1.2100e-003	0.0916	0.0261	1.1600e-003	0.0273	0.0000	341.7452	341.7452	0.0231	0.0000	342.3227
Worker	0.1608	0.1027	1.0895	3.7400e-003	0.4349	2.9000e-003	0.4378	0.1156	2.6700e-003	0.1182	0.0000	338.1558	338.1558	8.3800e-003	0.0000	338.3653
<b>Total</b>	<b>0.1900</b>	<b>1.1268</b>	<b>1.4012</b>	<b>7.2200e-003</b>	<b>0.5253</b>	<b>4.1100e-003</b>	<b>0.5295</b>	<b>0.1417</b>	<b>3.8300e-003</b>	<b>0.1455</b>	<b>0.0000</b>	<b>679.9010</b>	<b>679.9010</b>	<b>0.0315</b>	<b>0.0000</b>	<b>680.6879</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175
<b>Total</b>	<b>0.1928</b>	<b>1.7611</b>	<b>2.1179</b>	<b>3.5300e-003</b>		<b>0.0803</b>	<b>0.0803</b>		<b>0.0756</b>	<b>0.0756</b>	<b>0.0000</b>	<b>303.7220</b>	<b>303.7220</b>	<b>0.0718</b>	<b>0.0000</b>	<b>305.5175</b>

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**3.5 Building Construction - 2024**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0292	1.0241	0.3117	3.4800e-003	0.0904	1.2100e-003	0.0916	0.0261	1.1600e-003	0.0273	0.0000	341.7452	341.7452	0.0231	0.0000	342.3227
Worker	0.1608	0.1027	1.0895	3.7400e-003	0.4349	2.9000e-003	0.4378	0.1156	2.6700e-003	0.1182	0.0000	338.1558	338.1558	8.3800e-003	0.0000	338.3653
<b>Total</b>	<b>0.1900</b>	<b>1.1268</b>	<b>1.4012</b>	<b>7.2200e-003</b>	<b>0.5253</b>	<b>4.1100e-003</b>	<b>0.5295</b>	<b>0.1417</b>	<b>3.8300e-003</b>	<b>0.1455</b>	<b>0.0000</b>	<b>679.9010</b>	<b>679.9010</b>	<b>0.0315</b>	<b>0.0000</b>	<b>680.6879</b>

**3.5 Building Construction - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
<b>Total</b>	<b>0.1785</b>	<b>1.6273</b>	<b>2.0991</b>	<b>3.5200e-003</b>		<b>0.0689</b>	<b>0.0689</b>		<b>0.0648</b>	<b>0.0648</b>	<b>0.0000</b>	<b>302.6549</b>	<b>302.6549</b>	<b>0.0711</b>	<b>0.0000</b>	<b>304.4335</b>

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**3.5 Building Construction - 2025**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0282	1.0053	0.3042	3.4400e-003	0.0901	1.1700e-003	0.0913	0.0260	1.1200e-003	0.0271	0.0000	338.3698	338.3698	0.0228	0.0000	338.9389
Worker	0.1530	0.0943	1.0130	3.5700e-003	0.4333	2.8400e-003	0.4361	0.1151	2.6100e-003	0.1177	0.0000	323.2469	323.2469	7.7000e-003	0.0000	323.4395
<b>Total</b>	<b>0.1812</b>	<b>1.0996</b>	<b>1.3172</b>	<b>7.0100e-003</b>	<b>0.5233</b>	<b>4.0100e-003</b>	<b>0.5273</b>	<b>0.1411</b>	<b>3.7300e-003</b>	<b>0.1449</b>	<b>0.0000</b>	<b>661.6167</b>	<b>661.6167</b>	<b>0.0305</b>	<b>0.0000</b>	<b>662.3784</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
<b>Total</b>	<b>0.1784</b>	<b>1.6273</b>	<b>2.0991</b>	<b>3.5200e-003</b>		<b>0.0689</b>	<b>0.0689</b>		<b>0.0648</b>	<b>0.0648</b>	<b>0.0000</b>	<b>302.6545</b>	<b>302.6545</b>	<b>0.0711</b>	<b>0.0000</b>	<b>304.4331</b>

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**3.5 Building Construction - 2025**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0282	1.0053	0.3042	3.4400e-003	0.0901	1.1700e-003	0.0913	0.0260	1.1200e-003	0.0271	0.0000	338.3698	338.3698	0.0228	0.0000	338.9389
Worker	0.1530	0.0943	1.0130	3.5700e-003	0.4333	2.8400e-003	0.4361	0.1151	2.6100e-003	0.1177	0.0000	323.2469	323.2469	7.7000e-003	0.0000	323.4395
<b>Total</b>	<b>0.1812</b>	<b>1.0996</b>	<b>1.3172</b>	<b>7.0100e-003</b>	<b>0.5233</b>	<b>4.0100e-003</b>	<b>0.5273</b>	<b>0.1411</b>	<b>3.7300e-003</b>	<b>0.1449</b>	<b>0.0000</b>	<b>661.6167</b>	<b>661.6167</b>	<b>0.0305</b>	<b>0.0000</b>	<b>662.3784</b>

**3.5 Building Construction - 2026**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0178	0.1621	0.2091	3.5000e-004		6.8600e-003	6.8600e-003		6.4500e-003	6.4500e-003	0.0000	30.1495	30.1495	7.0900e-003	0.0000	30.3267
<b>Total</b>	<b>0.0178</b>	<b>0.1621</b>	<b>0.2091</b>	<b>3.5000e-004</b>		<b>6.8600e-003</b>	<b>6.8600e-003</b>		<b>6.4500e-003</b>	<b>6.4500e-003</b>	<b>0.0000</b>	<b>30.1495</b>	<b>30.1495</b>	<b>7.0900e-003</b>	<b>0.0000</b>	<b>30.3267</b>

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**3.5 Building Construction - 2026**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.7400e-003	0.0987	0.0299	3.4000e-004	8.9700e-003	1.1000e-004	9.0900e-003	2.5900e-003	1.1000e-004	2.7000e-003	0.0000	33.5144	33.5144	2.2400e-003	0.0000	33.5705
Worker	0.0146	8.7400e-003	0.0948	3.4000e-004	0.0432	2.7000e-004	0.0434	0.0115	2.5000e-004	0.0117	0.0000	31.0216	31.0216	7.1000e-004	0.0000	31.0394
<b>Total</b>	<b>0.0174</b>	<b>0.1075</b>	<b>0.1247</b>	<b>6.8000e-004</b>	<b>0.0521</b>	<b>3.8000e-004</b>	<b>0.0525</b>	<b>0.0141</b>	<b>3.6000e-004</b>	<b>0.0144</b>	<b>0.0000</b>	<b>64.5359</b>	<b>64.5359</b>	<b>2.9500e-003</b>	<b>0.0000</b>	<b>64.6099</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0178	0.1621	0.2091	3.5000e-004		6.8600e-003	6.8600e-003		6.4500e-003	6.4500e-003	0.0000	30.1495	30.1495	7.0900e-003	0.0000	30.3267
<b>Total</b>	<b>0.0178</b>	<b>0.1621</b>	<b>0.2091</b>	<b>3.5000e-004</b>		<b>6.8600e-003</b>	<b>6.8600e-003</b>		<b>6.4500e-003</b>	<b>6.4500e-003</b>	<b>0.0000</b>	<b>30.1495</b>	<b>30.1495</b>	<b>7.0900e-003</b>	<b>0.0000</b>	<b>30.3267</b>

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**3.5 Building Construction - 2026**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.7400e-003	0.0987	0.0299	3.4000e-004	8.9700e-003	1.1000e-004	9.0900e-003	2.5900e-003	1.1000e-004	2.7000e-003	0.0000	33.5144	33.5144	2.2400e-003	0.0000	33.5705
Worker	0.0146	8.7400e-003	0.0948	3.4000e-004	0.0432	2.7000e-004	0.0434	0.0115	2.5000e-004	0.0117	0.0000	31.0216	31.0216	7.1000e-004	0.0000	31.0394
<b>Total</b>	<b>0.0174</b>	<b>0.1075</b>	<b>0.1247</b>	<b>6.8000e-004</b>	<b>0.0521</b>	<b>3.8000e-004</b>	<b>0.0525</b>	<b>0.0141</b>	<b>3.6000e-004</b>	<b>0.0144</b>	<b>0.0000</b>	<b>64.5359</b>	<b>64.5359</b>	<b>2.9500e-003</b>	<b>0.0000</b>	<b>64.6099</b>

**3.6 Paving - 2026**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0343	0.3218	0.5467	8.5000e-004		0.0157	0.0157		0.0144	0.0144	0.0000	75.0722	75.0722	0.0243	0.0000	75.6792
Paving	0.0124					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0467</b>	<b>0.3218</b>	<b>0.5467</b>	<b>8.5000e-004</b>		<b>0.0157</b>	<b>0.0157</b>		<b>0.0144</b>	<b>0.0144</b>	<b>0.0000</b>	<b>75.0722</b>	<b>75.0722</b>	<b>0.0243</b>	<b>0.0000</b>	<b>75.6792</b>

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**3.6 Paving - 2026**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6300e-003	9.7000e-004	0.0106	4.0000e-005	4.8100e-003	3.0000e-005	4.8400e-003	1.2800e-003	3.0000e-005	1.3100e-003	0.0000	3.4584	3.4584	8.0000e-005	0.0000	3.4604
<b>Total</b>	<b>1.6300e-003</b>	<b>9.7000e-004</b>	<b>0.0106</b>	<b>4.0000e-005</b>	<b>4.8100e-003</b>	<b>3.0000e-005</b>	<b>4.8400e-003</b>	<b>1.2800e-003</b>	<b>3.0000e-005</b>	<b>1.3100e-003</b>	<b>0.0000</b>	<b>3.4584</b>	<b>3.4584</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>3.4604</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0343	0.3218	0.5467	8.5000e-004		0.0157	0.0157		0.0144	0.0144	0.0000	75.0721	75.0721	0.0243	0.0000	75.6791
Paving	0.0124					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0467</b>	<b>0.3218</b>	<b>0.5467</b>	<b>8.5000e-004</b>		<b>0.0157</b>	<b>0.0157</b>		<b>0.0144</b>	<b>0.0144</b>	<b>0.0000</b>	<b>75.0721</b>	<b>75.0721</b>	<b>0.0243</b>	<b>0.0000</b>	<b>75.6791</b>

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**3.6 Paving - 2026**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6300e-003	9.7000e-004	0.0106	4.0000e-005	4.8100e-003	3.0000e-005	4.8400e-003	1.2800e-003	3.0000e-005	1.3100e-003	0.0000	3.4584	3.4584	8.0000e-005	0.0000	3.4604
<b>Total</b>	<b>1.6300e-003</b>	<b>9.7000e-004</b>	<b>0.0106</b>	<b>4.0000e-005</b>	<b>4.8100e-003</b>	<b>3.0000e-005</b>	<b>4.8400e-003</b>	<b>1.2800e-003</b>	<b>3.0000e-005</b>	<b>1.3100e-003</b>	<b>0.0000</b>	<b>3.4584</b>	<b>3.4584</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>3.4604</b>

**3.7 Architectural Coating - 2026**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.6261					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.4100e-003	0.0430	0.0678	1.1000e-004		1.9300e-003	1.9300e-003		1.9300e-003	1.9300e-003	0.0000	9.5747	9.5747	5.2000e-004	0.0000	9.5878
<b>Total</b>	<b>1.6325</b>	<b>0.0430</b>	<b>0.0678</b>	<b>1.1000e-004</b>		<b>1.9300e-003</b>	<b>1.9300e-003</b>		<b>1.9300e-003</b>	<b>1.9300e-003</b>	<b>0.0000</b>	<b>9.5747</b>	<b>9.5747</b>	<b>5.2000e-004</b>	<b>0.0000</b>	<b>9.5878</b>



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**3.7 Architectural Coating - 2026**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.5500e-003	5.1100e-003	0.0555	2.0000e-004	0.0253	1.6000e-004	0.0254	6.7100e-003	1.5000e-004	6.8600e-003	0.0000	18.1564	18.1564	4.2000e-004	0.0000	18.1669
<b>Total</b>	<b>8.5500e-003</b>	<b>5.1100e-003</b>	<b>0.0555</b>	<b>2.0000e-004</b>	<b>0.0253</b>	<b>1.6000e-004</b>	<b>0.0254</b>	<b>6.7100e-003</b>	<b>1.5000e-004</b>	<b>6.8600e-003</b>	<b>0.0000</b>	<b>18.1564</b>	<b>18.1564</b>	<b>4.2000e-004</b>	<b>0.0000</b>	<b>18.1669</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.6261					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.4100e-003	0.0430	0.0678	1.1000e-004		1.9300e-003	1.9300e-003		1.9300e-003	1.9300e-003	0.0000	9.5747	9.5747	5.2000e-004	0.0000	9.5878
<b>Total</b>	<b>1.6325</b>	<b>0.0430</b>	<b>0.0678</b>	<b>1.1000e-004</b>		<b>1.9300e-003</b>	<b>1.9300e-003</b>		<b>1.9300e-003</b>	<b>1.9300e-003</b>	<b>0.0000</b>	<b>9.5747</b>	<b>9.5747</b>	<b>5.2000e-004</b>	<b>0.0000</b>	<b>9.5878</b>

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**3.7 Architectural Coating - 2026**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.5500e-003	5.1100e-003	0.0555	2.0000e-004	0.0253	1.6000e-004	0.0254	6.7100e-003	1.5000e-004	6.8600e-003	0.0000	18.1564	18.1564	4.2000e-004	0.0000	18.1669
<b>Total</b>	<b>8.5500e-003</b>	<b>5.1100e-003</b>	<b>0.0555</b>	<b>2.0000e-004</b>	<b>0.0253</b>	<b>1.6000e-004</b>	<b>0.0254</b>	<b>6.7100e-003</b>	<b>1.5000e-004</b>	<b>6.8600e-003</b>	<b>0.0000</b>	<b>18.1564</b>	<b>18.1564</b>	<b>4.2000e-004</b>	<b>0.0000</b>	<b>18.1669</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Fast Food Restaurant w/o Drive Thru	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Mobile Home Park	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Quality Restaurant	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

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Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Fast Food Restaurant w/o Drive	9.50	7.30	7.30	1.50	79.50	19.00	51	37	12
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Mobile Home Park	10.80	7.30	7.50	100.00	0.00	0.00	86	11	3
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Quality Restaurant	9.50	7.30	7.30	12.00	69.00	19.00	38	18	44

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Fast Food Restaurant w/o Drive Thru	0.609162	0.038894	0.178600	0.101308	0.013823	0.005356	0.016956	0.024628	0.001928	0.001823	0.005807	0.000764	0.000950
General Office Building	0.609162	0.038894	0.178600	0.101308	0.013823	0.005356	0.016956	0.024628	0.001928	0.001823	0.005807	0.000764	0.000950
Mobile Home Park	0.609162	0.038894	0.178600	0.101308	0.013823	0.005356	0.016956	0.024628	0.001928	0.001823	0.005807	0.000764	0.000950
Other Asphalt Surfaces	0.609162	0.038894	0.178600	0.101308	0.013823	0.005356	0.016956	0.024628	0.001928	0.001823	0.005807	0.000764	0.000950
Parking Lot	0.609162	0.038894	0.178600	0.101308	0.013823	0.005356	0.016956	0.024628	0.001928	0.001823	0.005807	0.000764	0.000950
Quality Restaurant	0.609162	0.038894	0.178600	0.101308	0.013823	0.005356	0.016956	0.024628	0.001928	0.001823	0.005807	0.000764	0.000950

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

De Anza Cove Amendment - San Diego County APCD Air District, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Electricity Mitigated							0.0000	0.0000		0.0000	0.0000	106.6847	106.6847	4.2900e-003	8.9000e-004	107.0568	
Electricity Unmitigated							0.0000	0.0000		0.0000	0.0000	106.6847	106.6847	4.2900e-003	8.9000e-004	107.0568	
NaturalGas Mitigated	5.7500e-003	0.0523	0.0439	3.1000e-004			3.9700e-003	3.9700e-003		3.9700e-003	3.9700e-003	0.0000	56.9109	56.9109	1.0900e-003	1.0400e-003	57.2491
NaturalGas Unmitigated	5.7500e-003	0.0523	0.0439	3.1000e-004			3.9700e-003	3.9700e-003		3.9700e-003	3.9700e-003	0.0000	56.9109	56.9109	1.0900e-003	1.0400e-003	57.2491

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**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Fast Food Restaurant w/o Drive Thru	174380	9.4000e-004	8.5500e-003	7.1800e-003	5.0000e-005		6.5000e-004	6.5000e-004		6.5000e-004	6.5000e-004	0.0000	9.3056	9.3056	1.8000e-004	1.7000e-004	9.3609
General Office Building	20190	1.1000e-004	9.9000e-004	8.3000e-004	1.0000e-005		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	1.0774	1.0774	2.0000e-005	2.0000e-005	1.0838
Mobile Home Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Quality Restaurant	871900	4.7000e-003	0.0427	0.0359	2.6000e-004		3.2500e-003	3.2500e-003		3.2500e-003	3.2500e-003	0.0000	46.5279	46.5279	8.9000e-004	8.5000e-004	46.8044
<b>Total</b>		<b>5.7500e-003</b>	<b>0.0523</b>	<b>0.0439</b>	<b>3.2000e-004</b>		<b>3.9800e-003</b>	<b>3.9800e-003</b>		<b>3.9800e-003</b>	<b>3.9800e-003</b>	<b>0.0000</b>	<b>56.9109</b>	<b>56.9109</b>	<b>1.0900e-003</b>	<b>1.0400e-003</b>	<b>57.2491</b>

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**5.2 Energy by Land Use - NaturalGas**

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Fast Food Restaurant w/o Drive Thru	174380	9.4000e-004	8.5500e-003	7.1800e-003	5.0000e-005		6.5000e-004	6.5000e-004		6.5000e-004	6.5000e-004	0.0000	9.3056	9.3056	1.8000e-004	1.7000e-004	9.3609
General Office Building	20190	1.1000e-004	9.9000e-004	8.3000e-004	1.0000e-005		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	1.0774	1.0774	2.0000e-005	2.0000e-005	1.0838
Mobile Home Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Quality Restaurant	871900	4.7000e-003	0.0427	0.0359	2.6000e-004		3.2500e-003	3.2500e-003		3.2500e-003	3.2500e-003	0.0000	46.5279	46.5279	8.9000e-004	8.5000e-004	46.8044
<b>Total</b>		<b>5.7500e-003</b>	<b>0.0523</b>	<b>0.0439</b>	<b>3.2000e-004</b>		<b>3.9800e-003</b>	<b>3.9800e-003</b>		<b>3.9800e-003</b>	<b>3.9800e-003</b>	<b>0.0000</b>	<b>56.9109</b>	<b>56.9109</b>	<b>1.0900e-003</b>	<b>1.0400e-003</b>	<b>57.2491</b>

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**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Fast Food Restaurant w/o Drive Thru	38700	12.6475	5.1000e-004	1.1000e-004	12.6916
General Office Building	13440	4.3923	1.8000e-004	4.0000e-005	4.4076
Mobile Home Park	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	80803.8	26.4074	1.0600e-003	2.2000e-004	26.4995
Quality Restaurant	193500	63.2375	2.5500e-003	5.3000e-004	63.4581
<b>Total</b>		<b>106.6847</b>	<b>4.3000e-003</b>	<b>9.0000e-004</b>	<b>107.0568</b>



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**5.3 Energy by Land Use - Electricity**

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Fast Food Restaurant w/o Drive Thru	38700	12.6475	5.1000e-004	1.1000e-004	12.6916
General Office Building	13440	4.3923	1.8000e-004	4.0000e-005	4.4076
Mobile Home Park	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	80803.8	26.4074	1.0600e-003	2.2000e-004	26.4995
Quality Restaurant	193500	63.2375	2.5500e-003	5.3000e-004	63.4581
<b>Total</b>		<b>106.6847</b>	<b>4.3000e-003</b>	<b>9.0000e-004</b>	<b>107.0568</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

No Hearths Installed



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**6.2 Area by SubCategory**

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	8.1100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.5739					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>1.5820</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	9.9580	0.0655	1.6200e-003	12.0772
Unmitigated	9.9580	0.0655	1.6200e-003	12.0772

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**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Fast Food Restaurant w/o Drive Thru	0.303534 / 0.0193745	1.4583	9.9500e-003	2.4000e-004	1.7799
General Office Building	0.177734 / 0.108934	1.2082	5.8400e-003	1.5000e-004	1.3978
Mobile Home Park	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Quality Restaurant	1.51767 / 0.0968725	7.2915	0.0497	1.2200e-003	8.8995
<b>Total</b>		<b>9.9580</b>	<b>0.0655</b>	<b>1.6100e-003</b>	<b>12.0772</b>

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**7.2 Water by Land Use**

**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Fast Food Restaurant w/o Drive Thru	0.303534 / 0.0193745	1.4583	9.9500e-003	2.4000e-004	1.7799
General Office Building	0.177734 / 0.108934	1.2082	5.8400e-003	1.5000e-004	1.3978
Mobile Home Park	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Quality Restaurant	1.51767 / 0.0968725	7.2915	0.0497	1.2200e-003	8.8995
<b>Total</b>		<b>9.9580</b>	<b>0.0655</b>	<b>1.6100e-003</b>	<b>12.0772</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

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**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	3.4529	0.2041	0.0000	8.5544
Unmitigated	3.4529	0.2041	0.0000	8.5544

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**8.2 Waste by Land Use****Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Fast Food Restaurant w/o Drive Thru	11.52	2.3385	0.1382	0.0000	5.7934
General Office Building	0.93	0.1888	0.0112	0.0000	0.4677
Mobile Home Park	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Quality Restaurant	4.56	0.9256	0.0547	0.0000	2.2932
<b>Total</b>		<b>3.4529</b>	<b>0.2041</b>	<b>0.0000</b>	<b>8.5544</b>



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**8.2 Waste by Land Use**

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Fast Food Restaurant w/o Drive Thru	11.52	2.3385	0.1382	0.0000	5.7934
General Office Building	0.93	0.1888	0.0112	0.0000	0.4677
Mobile Home Park	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Quality Restaurant	4.56	0.9256	0.0547	0.0000	2.2932
<b>Total</b>		<b>3.4529</b>	<b>0.2041</b>	<b>0.0000</b>	<b>8.5544</b>

**9.0 Operational Offroad**

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

**Fire Pumps and Emergency Generators**

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

De Anza Cove Amendment - San Diego County APCD Air District, Annual

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**11.0 Vegetation**

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De Anza Cove Amendment - San Diego County APCD Air District, Summer

**De Anza Cove Amendment**  
**San Diego County APCD Air District, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	1.00	1000sqft	0.02	1,000.00	0
Other Asphalt Surfaces	4.13	Acre	4.13	179,902.80	0
Parking Lot	5.30	Acre	5.30	230,868.00	0
Fast Food Restaurant w/o Drive Thru	1.00	1000sqft	0.02	1,000.00	0
Quality Restaurant	5.00	1000sqft	0.11	5,000.00	0
Mobile Home Park	330.00	Dwelling Unit	41.57	396,000.00	944

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	40
<b>Climate Zone</b>	13			<b>Operational Year</b>	2027
<b>Utility Company</b>	San Diego Gas & Electric				
<b>CO2 Intensity (lb/MW hr)</b>	720.49	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics -

Land Use - Based on City provided information.

Construction Phase - CalEEMod defaults.

Off-road Equipment - CalEEMod defaults.

Off-road Equipment - CalEEMod defaults.

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Off-road Equipment - CalEEMod defaults.

Off-road Equipment - CalEEMod defaults.

Off-road Equipment - CalEEMod defaults.

Off-road Equipment - CalEEMod defaults.

Trips and VMT - CalEEMod defaults, rounding up to even number of trips. Haul distance during grading phase represents onsite movement of material. There is no import or export, it is a balanced site.

On-road Fugitive Dust - CalEEMod defaults.

Demolition - Based on demolition of Campland.

Grading - 693,560 cubic yards of cut and fill, balanced on-site.

Architectural Coating - In accordance with SDAPCD Rule 67.0.1.

Vehicle Trips - No net increase in mobile.

Woodstoves - No increase in wood stove use.

Consumer Products - Consumer product use for food service land uses only.

Area Coating - Architectural coatings for food land use only.

Landscape Equipment - No net increase.

Energy Use - CalEEMod defaults for food land use and ranger station only.

Water And Wastewater - CalEEMod defaults for food land use and ranger station only.

Solid Waste - CalEEMod defaults for food land use and ranger station only.

Construction Off-road Equipment Mitigation - water twice daily

Area Mitigation - In accordance with SDAPCD Rule 67.0.1.

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00

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tblArchitecturalCoating	EF_Parking	250.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Parking	250	0
tblAreaCoating	Area_EF_Residential_Exterior	250	0
tblAreaCoating	Area_EF_Residential_Interior	250	0
tblAreaMitigation	UseLowVOCPaintParkingValue	250	0
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	250	0
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	250	0
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	0
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	0
tblEnergyUse	LightingElect	1,038.60	0.00
tblEnergyUse	NT24E	4,004.74	0.00
tblEnergyUse	NT24NG	4,180.00	0.00
tblEnergyUse	T24E	381.10	0.00
tblEnergyUse	T24NG	18,916.87	0.00
tblFireplaces	FireplaceDayYear	82.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	3,078.40	0.00
tblFireplaces	NumberGas	181.50	0.00
tblFireplaces	NumberNoFireplace	33.00	0.00
tblFireplaces	NumberWood	115.50	0.00
tblGrading	MaterialExported	0.00	693,560.00
tblGrading	MaterialImported	0.00	693,560.00
tblSolidWaste	SolidWasteGenerationRate	151.80	0.00
tblTripsAndVMT	HaulingTripLength	20.00	0.75
tblTripsAndVMT	HaulingTripNumber	3,307.00	3,308.00

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tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblTripsAndVMT	WorkerTripNumber	413.00	414.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblTripsAndVMT	WorkerTripNumber	83.00	84.00
tblVehicleTrips	HO_TTP	39.60	0.00
tblVehicleTrips	HS_TTP	18.80	0.00
tblVehicleTrips	HW_TTP	41.60	100.00
tblVehicleTrips	ST_TR	696.00	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	5.00	0.00
tblVehicleTrips	ST_TR	94.36	0.00
tblVehicleTrips	SU_TR	500.00	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	4.36	0.00
tblVehicleTrips	SU_TR	72.16	0.00
tblVehicleTrips	WD_TR	716.00	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	4.99	0.00
tblVehicleTrips	WD_TR	89.95	0.00
tblWater	IndoorWaterUseRate	21,500,828.46	0.00
tblWater	OutdoorWaterUseRate	13,554,870.11	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00

**2.0 Emissions Summary**

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De Anza Cove Amendment - San Diego County APCD Air District, Summer

**2.1 Overall Construction (Maximum Daily Emission)**

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	7.1366	203.7509	52.7735	0.2678	18.2141	2.1023	20.2596	9.9699	1.9384	11.8517	0.0000	28,461.9572	28,461.9572	5.2060	0.0000	28,592.1058
2022	3.3525	26.4722	29.1303	0.0874	4.1050	0.8511	4.9561	1.1048	0.8006	1.9054	0.0000	8,803.9942	8,803.9942	0.9100	0.0000	8,826.7451
2023	3.0801	23.0386	28.0705	0.0854	4.1049	0.7315	4.8365	1.1048	0.6880	1.7928	0.0000	8,604.8149	8,604.8149	0.8807	0.0000	8,626.8333
2024	2.9066	21.9236	27.3034	0.0839	4.1049	0.6445	4.7494	1.1048	0.6059	1.7107	0.0000	8,463.4040	8,463.4040	0.8685	0.0000	8,485.1169
2025	2.7402	20.7819	26.5926	0.0825	4.1049	0.5581	4.6631	1.1048	0.5247	1.6295	0.0000	8,324.8874	8,324.8874	0.8576	0.0000	8,346.3262
2026	43.7583	20.6275	26.0690	0.0813	4.1049	0.5572	4.6622	1.1048	0.5239	1.6286	0.0000	8,202.6741	8,202.6741	0.8511	0.0000	8,223.9517
<b>Maximum</b>	<b>43.7583</b>	<b>203.7509</b>	<b>52.7735</b>	<b>0.2678</b>	<b>18.2141</b>	<b>2.1023</b>	<b>20.2596</b>	<b>9.9699</b>	<b>1.9384</b>	<b>11.8517</b>	<b>0.0000</b>	<b>28,461.9572</b>	<b>28,461.9572</b>	<b>5.2060</b>	<b>0.0000</b>	<b>28,592.1058</b>





De Anza Cove Amendment - San Diego County APCD Air District, Summer

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	9.4855	0.3133	27.2013	1.4400e-003		0.1509	0.1509		0.1509	0.1509	0.0000	49.0259	49.0259	0.0470	0.0000	50.1997
Energy	0.0315	0.2865	0.2406	1.7200e-003		0.0218	0.0218		0.0218	0.0218		343.7454	343.7454	6.5900e-003	6.3000e-003	345.7881
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>9.5170</b>	<b>0.5998</b>	<b>27.4419</b>	<b>3.1600e-003</b>	<b>0.0000</b>	<b>0.1727</b>	<b>0.1727</b>	<b>0.0000</b>	<b>0.1727</b>	<b>0.1727</b>	<b>0.0000</b>	<b>392.7712</b>	<b>392.7712</b>	<b>0.0535</b>	<b>6.3000e-003</b>	<b>395.9878</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	9.4855	0.3133	27.2013	1.4400e-003		0.1509	0.1509		0.1509	0.1509	0.0000	49.0259	49.0259	0.0470	0.0000	50.1997
Energy	0.0315	0.2865	0.2406	1.7200e-003		0.0218	0.0218		0.0218	0.0218		343.7454	343.7454	6.5900e-003	6.3000e-003	345.7881
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>9.5170</b>	<b>0.5998</b>	<b>27.4419</b>	<b>3.1600e-003</b>	<b>0.0000</b>	<b>0.1727</b>	<b>0.1727</b>	<b>0.0000</b>	<b>0.1727</b>	<b>0.1727</b>	<b>0.0000</b>	<b>392.7712</b>	<b>392.7712</b>	<b>0.0535</b>	<b>6.3000e-003</b>	<b>395.9878</b>

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2021	4/8/2021	5	70	
2	Site Preparation	Site Preparation	4/9/2021	6/3/2021	5	40	
3	Grading	Grading	6/4/2021	11/4/2021	5	110	
4	Building Construction	Building Construction	11/5/2021	2/5/2026	5	1110	
5	Paving	Paving	2/6/2026	5/21/2026	5	75	
6	Architectural Coating	Architectural Coating	5/22/2026	9/3/2026	5	75	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 275

Acres of Paving: 9.43

Residential Indoor: 801,900; Residential Outdoor: 267,300; Non-Residential Indoor: 10,500; Non-Residential Outdoor: 3,500; Striped Parking Area: 24,646 (Architectural Coating – sqft)

#### OffRoad Equipment

## De Anza Cove Amendment - San Diego County APCD Air District, Summer

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

Trips and VMT

De Anza Cove Amendment - San Diego County APCD Air District, Summer

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	16.00	0.00	3,308.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	173,390.00	10.80	7.30	0.75	LD_Mix	HDT_Mix	HHDT
Building Construction	9	414.00	104.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	16.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	84.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

**3.2 Demolition - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					10.3516	0.0000	10.3516	1.5676	0.0000	1.5676			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
<b>Total</b>	<b>3.1651</b>	<b>31.4407</b>	<b>21.5650</b>	<b>0.0388</b>	<b>10.3516</b>	<b>1.5513</b>	<b>11.9030</b>	<b>1.5676</b>	<b>1.4411</b>	<b>3.0087</b>		<b>3,747.9449</b>	<b>3,747.9449</b>	<b>1.0549</b>		<b>3,774.3174</b>

De Anza Cove Amendment - San Diego County APCD Air District, Summer

**3.2 Demolition - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.3508	12.1136	2.9635	0.0364	0.8258	0.0370	0.8627	0.2263	0.0354	0.2617		3,996.4434	3,996.4434	0.3530		4,005.2691
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0553	0.0360	0.4244	1.3100e-003	0.1314	9.1000e-004	0.1323	0.0349	8.4000e-004	0.0357		130.3105	130.3105	3.7200e-003		130.4035
<b>Total</b>	<b>0.4061</b>	<b>12.1495</b>	<b>3.3879</b>	<b>0.0378</b>	<b>0.9572</b>	<b>0.0379</b>	<b>0.9951</b>	<b>0.2612</b>	<b>0.0362</b>	<b>0.2974</b>		<b>4,126.7540</b>	<b>4,126.7540</b>	<b>0.3568</b>		<b>4,135.6726</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.6582	0.0000	4.6582	0.7054	0.0000	0.7054			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
<b>Total</b>	<b>3.1651</b>	<b>31.4407</b>	<b>21.5650</b>	<b>0.0388</b>	<b>4.6582</b>	<b>1.5513</b>	<b>6.2096</b>	<b>0.7054</b>	<b>1.4411</b>	<b>2.1465</b>	<b>0.0000</b>	<b>3,747.9449</b>	<b>3,747.9449</b>	<b>1.0549</b>		<b>3,774.3174</b>

De Anza Cove Amendment - San Diego County APCD Air District, Summer

**3.2 Demolition - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.3508	12.1136	2.9635	0.0364	0.8258	0.0370	0.8627	0.2263	0.0354	0.2617		3,996.4434	3,996.4434	0.3530		4,005.2691
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0553	0.0360	0.4244	1.3100e-003	0.1314	9.1000e-004	0.1323	0.0349	8.4000e-004	0.0357		130.3105	130.3105	3.7200e-003		130.4035
<b>Total</b>	<b>0.4061</b>	<b>12.1495</b>	<b>3.3879</b>	<b>0.0378</b>	<b>0.9572</b>	<b>0.0379</b>	<b>0.9951</b>	<b>0.2612</b>	<b>0.0362</b>	<b>0.2974</b>		<b>4,126.7540</b>	<b>4,126.7540</b>	<b>0.3568</b>		<b>4,135.6726</b>

**3.3 Site Preparation - 2021**

**Unmitigated Construction On-Site**

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

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**3.3 Site Preparation - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0623	0.0405	0.4774	1.4700e-003	0.1479	1.0200e-003	0.1489	0.0392	9.4000e-004	0.0402		146.5994	146.5994	4.1800e-003		146.7040
<b>Total</b>	<b>0.0623</b>	<b>0.0405</b>	<b>0.4774</b>	<b>1.4700e-003</b>	<b>0.1479</b>	<b>1.0200e-003</b>	<b>0.1489</b>	<b>0.0392</b>	<b>9.4000e-004</b>	<b>0.0402</b>		<b>146.5994</b>	<b>146.5994</b>	<b>4.1800e-003</b>		<b>146.7040</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
<b>Total</b>	<b>3.8882</b>	<b>40.4971</b>	<b>21.1543</b>	<b>0.0380</b>	<b>8.1298</b>	<b>2.0445</b>	<b>10.1743</b>	<b>4.4688</b>	<b>1.8809</b>	<b>6.3497</b>	<b>0.0000</b>	<b>3,685.6569</b>	<b>3,685.6569</b>	<b>1.1920</b>		<b>3,715.4573</b>

De Anza Cove Amendment - San Diego County APCD Air District, Summer

**3.3 Site Preparation - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0623	0.0405	0.4774	1.4700e-003	0.1479	1.0200e-003	0.1489	0.0392	9.4000e-004	0.0402		146.5994	146.5994	4.1800e-003		146.7040
<b>Total</b>	<b>0.0623</b>	<b>0.0405</b>	<b>0.4774</b>	<b>1.4700e-003</b>	<b>0.1479</b>	<b>1.0200e-003</b>	<b>0.1489</b>	<b>0.0392</b>	<b>9.4000e-004</b>	<b>0.0402</b>		<b>146.5994</b>	<b>146.5994</b>	<b>4.1800e-003</b>		<b>146.7040</b>

**3.4 Grading - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					10.4453	0.0000	10.4453	3.8648	0.0000	3.8648			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
<b>Total</b>	<b>4.1912</b>	<b>46.3998</b>	<b>30.8785</b>	<b>0.0620</b>	<b>10.4453</b>	<b>1.9853</b>	<b>12.4307</b>	<b>3.8648</b>	<b>1.8265</b>	<b>5.6913</b>		<b>6,007.0434</b>	<b>6,007.0434</b>	<b>1.9428</b>		<b>6,055.6134</b>



De Anza Cove Amendment - San Diego County APCD Air District, Summer

**3.4 Grading - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.8763	157.3061	21.3646	0.2041	1.0650	0.1159	1.1808	0.2947	0.1108	0.4056		22,292.0256	22,292.0256	3.2585		22,373.4880
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0692	0.0449	0.5305	1.6300e-003	0.1643	1.1300e-003	0.1654	0.0436	1.0500e-003	0.0446		162.8882	162.8882	4.6500e-003		163.0044
<b>Total</b>	<b>2.9454</b>	<b>157.3510</b>	<b>21.8950</b>	<b>0.2058</b>	<b>1.2293</b>	<b>0.1170</b>	<b>1.3463</b>	<b>0.3383</b>	<b>0.1119</b>	<b>0.4502</b>		<b>22,454.9138</b>	<b>22,454.9138</b>	<b>3.2632</b>		<b>22,536.4924</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.7004	0.0000	4.7004	1.7392	0.0000	1.7392			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
<b>Total</b>	<b>4.1912</b>	<b>46.3998</b>	<b>30.8785</b>	<b>0.0620</b>	<b>4.7004</b>	<b>1.9853</b>	<b>6.6857</b>	<b>1.7392</b>	<b>1.8265</b>	<b>3.5657</b>	<b>0.0000</b>	<b>6,007.0434</b>	<b>6,007.0434</b>	<b>1.9428</b>		<b>6,055.6134</b>

De Anza Cove Amendment - San Diego County APCD Air District, Summer

**3.4 Grading - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.8763	157.3061	21.3646	0.2041	1.0650	0.1159	1.1808	0.2947	0.1108	0.4056		22,292.0256	22,292.0256	3.2585		22,373.4880
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0692	0.0449	0.5305	1.6300e-003	0.1643	1.1300e-003	0.1654	0.0436	1.0500e-003	0.0446		162.8882	162.8882	4.6500e-003		163.0044
<b>Total</b>	<b>2.9454</b>	<b>157.3510</b>	<b>21.8950</b>	<b>0.2058</b>	<b>1.2293</b>	<b>0.1170</b>	<b>1.3463</b>	<b>0.3383</b>	<b>0.1119</b>	<b>0.4502</b>		<b>22,454.9138</b>	<b>22,454.9138</b>	<b>3.2632</b>		<b>22,536.4924</b>

**3.5 Building Construction - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
<b>Total</b>	<b>1.9009</b>	<b>17.4321</b>	<b>16.5752</b>	<b>0.0269</b>		<b>0.9586</b>	<b>0.9586</b>		<b>0.9013</b>	<b>0.9013</b>		<b>2,553.3639</b>	<b>2,553.3639</b>	<b>0.6160</b>		<b>2,568.7643</b>

De Anza Cove Amendment - San Diego County APCD Air District, Summer

**3.5 Building Construction - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3145	10.5903	2.6988	0.0282	0.7040	0.0222	0.7263	0.2027	0.0213	0.2239		3,030.060 2	3,030.060 2	0.2165		3,035.472 9
Worker	1.4320	0.9303	10.9809	0.0338	3.4009	0.0235	3.4244	0.9021	0.0216	0.9237		3,371.785 2	3,371.785 2	0.0962		3,374.190 9
<b>Total</b>	<b>1.7465</b>	<b>11.5206</b>	<b>13.6797</b>	<b>0.0620</b>	<b>4.1050</b>	<b>0.0457</b>	<b>4.1507</b>	<b>1.1048</b>	<b>0.0429</b>	<b>1.1477</b>		<b>6,401.845 5</b>	<b>6,401.845 5</b>	<b>0.3127</b>		<b>6,409.663 9</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.363 9	2,553.363 9	0.6160		2,568.764 3
<b>Total</b>	<b>1.9009</b>	<b>17.4321</b>	<b>16.5752</b>	<b>0.0269</b>		<b>0.9586</b>	<b>0.9586</b>		<b>0.9013</b>	<b>0.9013</b>	<b>0.0000</b>	<b>2,553.363 9</b>	<b>2,553.363 9</b>	<b>0.6160</b>		<b>2,568.764 3</b>

De Anza Cove Amendment - San Diego County APCD Air District, Summer

**3.5 Building Construction - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3145	10.5903	2.6988	0.0282	0.7040	0.0222	0.7263	0.2027	0.0213	0.2239		3,030.060 2	3,030.060 2	0.2165		3,035.472 9
Worker	1.4320	0.9303	10.9809	0.0338	3.4009	0.0235	3.4244	0.9021	0.0216	0.9237		3,371.785 2	3,371.785 2	0.0962		3,374.190 9
<b>Total</b>	<b>1.7465</b>	<b>11.5206</b>	<b>13.6797</b>	<b>0.0620</b>	<b>4.1050</b>	<b>0.0457</b>	<b>4.1507</b>	<b>1.1048</b>	<b>0.0429</b>	<b>1.1477</b>		<b>6,401.845 5</b>	<b>6,401.845 5</b>	<b>0.3127</b>		<b>6,409.663 9</b>

**3.5 Building Construction - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.333 6	2,554.333 6	0.6120		2,569.632 2
<b>Total</b>	<b>1.7062</b>	<b>15.6156</b>	<b>16.3634</b>	<b>0.0269</b>		<b>0.8090</b>	<b>0.8090</b>		<b>0.7612</b>	<b>0.7612</b>		<b>2,554.333 6</b>	<b>2,554.333 6</b>	<b>0.6120</b>		<b>2,569.632 2</b>

De Anza Cove Amendment - San Diego County APCD Air District, Summer

**3.5 Building Construction - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2925	10.0082	2.5560	0.0279	0.7040	0.0191	0.7232	0.2027	0.0183	0.2210		3,001.583 3	3,001.583 3	0.2099		3,006.830 2
Worker	1.3538	0.8484	10.2109	0.0326	3.4009	0.0230	3.4239	0.9021	0.0212	0.9233		3,248.077 3	3,248.077 3	0.0882		3,250.282 7
<b>Total</b>	<b>1.6462</b>	<b>10.8566</b>	<b>12.7669</b>	<b>0.0604</b>	<b>4.1050</b>	<b>0.0421</b>	<b>4.1471</b>	<b>1.1048</b>	<b>0.0395</b>	<b>1.1442</b>		<b>6,249.660 6</b>	<b>6,249.660 6</b>	<b>0.2981</b>		<b>6,257.112 9</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.333 6	2,554.333 6	0.6120		2,569.632 2
<b>Total</b>	<b>1.7062</b>	<b>15.6156</b>	<b>16.3634</b>	<b>0.0269</b>		<b>0.8090</b>	<b>0.8090</b>		<b>0.7612</b>	<b>0.7612</b>	<b>0.0000</b>	<b>2,554.333 6</b>	<b>2,554.333 6</b>	<b>0.6120</b>		<b>2,569.632 2</b>

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**3.5 Building Construction - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2925	10.0082	2.5560	0.0279	0.7040	0.0191	0.7232	0.2027	0.0183	0.2210		3,001.583 3	3,001.583 3	0.2099		3,006.830 2
Worker	1.3538	0.8484	10.2109	0.0326	3.4009	0.0230	3.4239	0.9021	0.0212	0.9233		3,248.077 3	3,248.077 3	0.0882		3,250.282 7
<b>Total</b>	<b>1.6462</b>	<b>10.8566</b>	<b>12.7669</b>	<b>0.0604</b>	<b>4.1050</b>	<b>0.0421</b>	<b>4.1471</b>	<b>1.1048</b>	<b>0.0395</b>	<b>1.1442</b>		<b>6,249.660 6</b>	<b>6,249.660 6</b>	<b>0.2981</b>		<b>6,257.112 9</b>

**3.5 Building Construction - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.209 9	2,555.209 9	0.6079		2,570.406 1
<b>Total</b>	<b>1.5728</b>	<b>14.3849</b>	<b>16.2440</b>	<b>0.0269</b>		<b>0.6997</b>	<b>0.6997</b>		<b>0.6584</b>	<b>0.6584</b>		<b>2,555.209 9</b>	<b>2,555.209 9</b>	<b>0.6079</b>		<b>2,570.406 1</b>

De Anza Cove Amendment - San Diego County APCD Air District, Summer

**3.5 Building Construction - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2255	7.8789	2.3414	0.0271	0.7040	9.2800e-003	0.7133	0.2027	8.8700e-003	0.2115		2,925.6972	2,925.6972	0.1921		2,930.5007
Worker	1.2818	0.7748	9.4851	0.0313	3.4009	0.0225	3.4234	0.9021	0.0207	0.9228		3,123.9078	3,123.9078	0.0808		3,125.9265
<b>Total</b>	<b>1.5073</b>	<b>8.6537</b>	<b>11.8265</b>	<b>0.0584</b>	<b>4.1049</b>	<b>0.0318</b>	<b>4.1368</b>	<b>1.1048</b>	<b>0.0296</b>	<b>1.1344</b>		<b>6,049.6049</b>	<b>6,049.6049</b>	<b>0.2729</b>		<b>6,056.4272</b>

**Mitigated Construction On-Site**

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

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**3.5 Building Construction - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2255	7.8789	2.3414	0.0271	0.7040	9.2800e-003	0.7133	0.2027	8.8700e-003	0.2115		2,925.6972	2,925.6972	0.1921		2,930.5007
Worker	1.2818	0.7748	9.4851	0.0313	3.4009	0.0225	3.4234	0.9021	0.0207	0.9228		3,123.9078	3,123.9078	0.0808		3,125.9265
<b>Total</b>	<b>1.5073</b>	<b>8.6537</b>	<b>11.8265</b>	<b>0.0584</b>	<b>4.1049</b>	<b>0.0318</b>	<b>4.1368</b>	<b>1.1048</b>	<b>0.0296</b>	<b>1.1344</b>		<b>6,049.6049</b>	<b>6,049.6049</b>	<b>0.2729</b>		<b>6,056.4272</b>

**3.5 Building Construction - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
<b>Total</b>	<b>1.4716</b>	<b>13.4438</b>	<b>16.1668</b>	<b>0.0270</b>		<b>0.6133</b>	<b>0.6133</b>		<b>0.5769</b>	<b>0.5769</b>		<b>2,555.6989</b>	<b>2,555.6989</b>	<b>0.6044</b>		<b>2,570.8077</b>



De Anza Cove Amendment - San Diego County APCD Air District, Summer

**3.5 Building Construction - 2024**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2175	7.7691	2.2684	0.0269	0.7040	9.0600e-003	0.7131	0.2027	8.6600e-003	0.2113		2,906.8795	2,906.8795	0.1899		2,911.6277
Worker	1.2175	0.7107	8.8683	0.0301	3.4009	0.0221	3.4230	0.9021	0.0204	0.9224		3,000.8256	3,000.8256	0.0742		3,002.6815
<b>Total</b>	<b>1.4350</b>	<b>8.4798</b>	<b>11.1366</b>	<b>0.0570</b>	<b>4.1049</b>	<b>0.0312</b>	<b>4.1361</b>	<b>1.1048</b>	<b>0.0290</b>	<b>1.1338</b>		<b>5,907.7051</b>	<b>5,907.7051</b>	<b>0.2642</b>		<b>5,914.3092</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
<b>Total</b>	<b>1.4716</b>	<b>13.4438</b>	<b>16.1668</b>	<b>0.0270</b>		<b>0.6133</b>	<b>0.6133</b>		<b>0.5769</b>	<b>0.5769</b>	<b>0.0000</b>	<b>2,555.6989</b>	<b>2,555.6989</b>	<b>0.6044</b>		<b>2,570.8077</b>

De Anza Cove Amendment - San Diego County APCD Air District, Summer

**3.5 Building Construction - 2024**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2175	7.7691	2.2684	0.0269	0.7040	9.0600e-003	0.7131	0.2027	8.6600e-003	0.2113		2,906.8795	2,906.8795	0.1899		2,911.6277
Worker	1.2175	0.7107	8.8683	0.0301	3.4009	0.0221	3.4230	0.9021	0.0204	0.9224		3,000.8256	3,000.8256	0.0742		3,002.6815
<b>Total</b>	<b>1.4350</b>	<b>8.4798</b>	<b>11.1366</b>	<b>0.0570</b>	<b>4.1049</b>	<b>0.0312</b>	<b>4.1361</b>	<b>1.1048</b>	<b>0.0290</b>	<b>1.1338</b>		<b>5,907.7051</b>	<b>5,907.7051</b>	<b>0.2642</b>		<b>5,914.3092</b>

**3.5 Building Construction - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>	<b>16.0847</b>	<b>0.0270</b>		<b>0.5276</b>	<b>0.5276</b>		<b>0.4963</b>	<b>0.4963</b>		<b>2,556.4744</b>	<b>2,556.4744</b>	<b>0.6010</b>		<b>2,571.4981</b>

De Anza Cove Amendment - San Diego County APCD Air District, Summer

**3.5 Building Construction - 2025**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2112	7.6568	2.2241	0.0267	0.7040	8.8100e-003	0.7128	0.2027	8.4200e-003	0.2111		2,888.9949	2,888.9949	0.1881		2,893.6962
Worker	1.1616	0.6554	8.2838	0.0289	3.4009	0.0218	3.4227	0.9021	0.0200	0.9221		2,879.4181	2,879.4181	0.0686		2,881.1320
<b>Total</b>	<b>1.3728</b>	<b>8.3122</b>	<b>10.5079</b>	<b>0.0555</b>	<b>4.1049</b>	<b>0.0306</b>	<b>4.1355</b>	<b>1.1048</b>	<b>0.0285</b>	<b>1.1332</b>		<b>5,768.4131</b>	<b>5,768.4131</b>	<b>0.2566</b>		<b>5,774.8282</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>	<b>16.0847</b>	<b>0.0270</b>		<b>0.5276</b>	<b>0.5276</b>		<b>0.4963</b>	<b>0.4963</b>	<b>0.0000</b>	<b>2,556.4744</b>	<b>2,556.4744</b>	<b>0.6010</b>		<b>2,571.4981</b>

De Anza Cove Amendment - San Diego County APCD Air District, Summer

**3.5 Building Construction - 2025**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2112	7.6568	2.2241	0.0267	0.7040	8.8100e-003	0.7128	0.2027	8.4200e-003	0.2111		2,888.9949	2,888.9949	0.1881		2,893.6962
Worker	1.1616	0.6554	8.2838	0.0289	3.4009	0.0218	3.4227	0.9021	0.0200	0.9221		2,879.4181	2,879.4181	0.0686		2,881.1320
<b>Total</b>	<b>1.3728</b>	<b>8.3122</b>	<b>10.5079</b>	<b>0.0555</b>	<b>4.1049</b>	<b>0.0306</b>	<b>4.1355</b>	<b>1.1048</b>	<b>0.0285</b>	<b>1.1332</b>		<b>5,768.4131</b>	<b>5,768.4131</b>	<b>0.2566</b>		<b>5,774.8282</b>

**3.5 Building Construction - 2026**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>	<b>16.0847</b>	<b>0.0270</b>		<b>0.5276</b>	<b>0.5276</b>		<b>0.4963</b>	<b>0.4963</b>		<b>2,556.4744</b>	<b>2,556.4744</b>	<b>0.6010</b>		<b>2,571.4981</b>

De Anza Cove Amendment - San Diego County APCD Air District, Summer

**3.5 Building Construction - 2026**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2058	7.5482	2.1935	0.0265	0.7040	8.5700e-003	0.7126	0.2027	8.1900e-003	0.2109		2,872.2577	2,872.2577	0.1863		2,876.9139
Worker	1.1125	0.6096	7.7908	0.0278	3.4009	0.0211	3.4220	0.9021	0.0194	0.9215		2,773.9420	2,773.9420	0.0639		2,775.5398
<b>Total</b>	<b>1.3183</b>	<b>8.1578</b>	<b>9.9844</b>	<b>0.0543</b>	<b>4.1049</b>	<b>0.0297</b>	<b>4.1346</b>	<b>1.1048</b>	<b>0.0276</b>	<b>1.1324</b>		<b>5,646.1998</b>	<b>5,646.1998</b>	<b>0.2502</b>		<b>5,652.4536</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>	<b>16.0847</b>	<b>0.0270</b>		<b>0.5276</b>	<b>0.5276</b>		<b>0.4963</b>	<b>0.4963</b>	<b>0.0000</b>	<b>2,556.4744</b>	<b>2,556.4744</b>	<b>0.6010</b>		<b>2,571.4981</b>

De Anza Cove Amendment - San Diego County APCD Air District, Summer

**3.5 Building Construction - 2026**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2058	7.5482	2.1935	0.0265	0.7040	8.5700e-003	0.7126	0.2027	8.1900e-003	0.2109		2,872.2577	2,872.2577	0.1863		2,876.9139
Worker	1.1125	0.6096	7.7908	0.0278	3.4009	0.0211	3.4220	0.9021	0.0194	0.9215		2,773.9420	2,773.9420	0.0639		2,775.5398
<b>Total</b>	<b>1.3183</b>	<b>8.1578</b>	<b>9.9844</b>	<b>0.0543</b>	<b>4.1049</b>	<b>0.0297</b>	<b>4.1346</b>	<b>1.1048</b>	<b>0.0276</b>	<b>1.1324</b>		<b>5,646.1998</b>	<b>5,646.1998</b>	<b>0.2502</b>		<b>5,652.4536</b>

**3.6 Paving - 2026**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.3294					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.2446</b>	<b>8.5816</b>	<b>14.5780</b>	<b>0.0228</b>		<b>0.4185</b>	<b>0.4185</b>		<b>0.3850</b>	<b>0.3850</b>		<b>2,206.7452</b>	<b>2,206.7452</b>	<b>0.7137</b>		<b>2,224.5878</b>

De Anza Cove Amendment - San Diego County APCD Air District, Summer

**3.6 Paving - 2026**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0430	0.0236	0.3011	1.0700e-003	0.1314	8.2000e-004	0.1323	0.0349	7.5000e-004	0.0356		107.2055	107.2055	2.4700e-003		107.2672
<b>Total</b>	<b>0.0430</b>	<b>0.0236</b>	<b>0.3011</b>	<b>1.0700e-003</b>	<b>0.1314</b>	<b>8.2000e-004</b>	<b>0.1323</b>	<b>0.0349</b>	<b>7.5000e-004</b>	<b>0.0356</b>		<b>107.2055</b>	<b>107.2055</b>	<b>2.4700e-003</b>		<b>107.2672</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.3294					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.2446</b>	<b>8.5816</b>	<b>14.5780</b>	<b>0.0228</b>		<b>0.4185</b>	<b>0.4185</b>		<b>0.3850</b>	<b>0.3850</b>	<b>0.0000</b>	<b>2,206.7452</b>	<b>2,206.7452</b>	<b>0.7137</b>		<b>2,224.5878</b>

De Anza Cove Amendment - San Diego County APCD Air District, Summer

**3.6 Paving - 2026**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0430	0.0236	0.3011	1.0700e-003	0.1314	8.2000e-004	0.1323	0.0349	7.5000e-004	0.0356		107.2055	107.2055	2.4700e-003		107.2672
<b>Total</b>	<b>0.0430</b>	<b>0.0236</b>	<b>0.3011</b>	<b>1.0700e-003</b>	<b>0.1314</b>	<b>8.2000e-004</b>	<b>0.1323</b>	<b>0.0349</b>	<b>7.5000e-004</b>	<b>0.0356</b>		<b>107.2055</b>	<b>107.2055</b>	<b>2.4700e-003</b>		<b>107.2672</b>

**3.7 Architectural Coating - 2026**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	43.3617					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
<b>Total</b>	<b>43.5326</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>



De Anza Cove Amendment - San Diego County APCD Air District, Summer

**3.7 Architectural Coating - 2026**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2257	0.1237	1.5808	5.6400e-003	0.6900	4.2800e-003	0.6943	0.1830	3.9400e-003	0.1870		562.8288	562.8288	0.0130		563.1530
<b>Total</b>	<b>0.2257</b>	<b>0.1237</b>	<b>1.5808</b>	<b>5.6400e-003</b>	<b>0.6900</b>	<b>4.2800e-003</b>	<b>0.6943</b>	<b>0.1830</b>	<b>3.9400e-003</b>	<b>0.1870</b>		<b>562.8288</b>	<b>562.8288</b>	<b>0.0130</b>		<b>563.1530</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	43.3617					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
<b>Total</b>	<b>43.5326</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

De Anza Cove Amendment - San Diego County APCD Air District, Summer

**3.7 Architectural Coating - 2026**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2257	0.1237	1.5808	5.6400e-003	0.6900	4.2800e-003	0.6943	0.1830	3.9400e-003	0.1870		562.8288	562.8288	0.0130		563.1530
<b>Total</b>	<b>0.2257</b>	<b>0.1237</b>	<b>1.5808</b>	<b>5.6400e-003</b>	<b>0.6900</b>	<b>4.2800e-003</b>	<b>0.6943</b>	<b>0.1830</b>	<b>3.9400e-003</b>	<b>0.1870</b>		<b>562.8288</b>	<b>562.8288</b>	<b>0.0130</b>		<b>563.1530</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

De Anza Cove Amendment - San Diego County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Fast Food Restaurant w/o Drive Thru	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Mobile Home Park	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Quality Restaurant	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

De Anza Cove Amendment - San Diego County APCD Air District, Summer

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Fast Food Restaurant w/o Drive	9.50	7.30	7.30	1.50	79.50	19.00	51	37	12
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Mobile Home Park	10.80	7.30	7.50	100.00	0.00	0.00	86	11	3
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Quality Restaurant	9.50	7.30	7.30	12.00	69.00	19.00	38	18	44

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Fast Food Restaurant w/o Drive Thru	0.609162	0.038894	0.178600	0.101308	0.013823	0.005356	0.016956	0.024628	0.001928	0.001823	0.005807	0.000764	0.000950
General Office Building	0.609162	0.038894	0.178600	0.101308	0.013823	0.005356	0.016956	0.024628	0.001928	0.001823	0.005807	0.000764	0.000950
Mobile Home Park	0.609162	0.038894	0.178600	0.101308	0.013823	0.005356	0.016956	0.024628	0.001928	0.001823	0.005807	0.000764	0.000950
Other Asphalt Surfaces	0.609162	0.038894	0.178600	0.101308	0.013823	0.005356	0.016956	0.024628	0.001928	0.001823	0.005807	0.000764	0.000950
Parking Lot	0.609162	0.038894	0.178600	0.101308	0.013823	0.005356	0.016956	0.024628	0.001928	0.001823	0.005807	0.000764	0.000950
Quality Restaurant	0.609162	0.038894	0.178600	0.101308	0.013823	0.005356	0.016956	0.024628	0.001928	0.001823	0.005807	0.000764	0.000950

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

De Anza Cove Amendment - San Diego County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0315	0.2865	0.2406	1.7200e-003		0.0218	0.0218		0.0218	0.0218		343.7454	343.7454	6.5900e-003	6.3000e-003	345.7881
NaturalGas Unmitigated	0.0315	0.2865	0.2406	1.7200e-003		0.0218	0.0218		0.0218	0.0218		343.7454	343.7454	6.5900e-003	6.3000e-003	345.7881

De Anza Cove Amendment - San Diego County APCD Air District, Summer

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Fast Food Restaurant w/o Drive Thru	477.753	5.1500e-003	0.0468	0.0393	2.8000e-004		3.5600e-003	3.5600e-003		3.5600e-003	3.5600e-003		56.2063	56.2063	1.0800e-003	1.0300e-003	56.5403
General Office Building	55.3151	6.0000e-004	5.4200e-003	4.5600e-003	3.0000e-005		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004		6.5077	6.5077	1.2000e-004	1.2000e-004	6.5463
Mobile Home Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Quality Restaurant	2388.77	0.0258	0.2342	0.1967	1.4100e-003		0.0178	0.0178		0.0178	0.0178		281.0314	281.0314	5.3900e-003	5.1500e-003	282.7015
<b>Total</b>		<b>0.0315</b>	<b>0.2865</b>	<b>0.2406</b>	<b>1.7200e-003</b>		<b>0.0218</b>	<b>0.0218</b>		<b>0.0218</b>	<b>0.0218</b>		<b>343.7454</b>	<b>343.7454</b>	<b>6.5900e-003</b>	<b>6.3000e-003</b>	<b>345.7881</b>

De Anza Cove Amendment - San Diego County APCD Air District, Summer

**5.2 Energy by Land Use - NaturalGas**

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Fast Food Restaurant w/o Drive Thru	0.477753	5.1500e-003	0.0468	0.0393	2.8000e-004		3.5600e-003	3.5600e-003		3.5600e-003	3.5600e-003		56.2063	56.2063	1.0800e-003	1.0300e-003	56.5403
General Office Building	0.0553151	6.0000e-004	5.4200e-003	4.5600e-003	3.0000e-005		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004		6.5077	6.5077	1.2000e-004	1.2000e-004	6.5463
Mobile Home Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Quality Restaurant	2.38877	0.0258	0.2342	0.1967	1.4100e-003		0.0178	0.0178		0.0178	0.0178		281.0314	281.0314	5.3900e-003	5.1500e-003	282.7015
<b>Total</b>		<b>0.0315</b>	<b>0.2865</b>	<b>0.2406</b>	<b>1.7200e-003</b>		<b>0.0218</b>	<b>0.0218</b>		<b>0.0218</b>	<b>0.0218</b>		<b>343.7454</b>	<b>343.7454</b>	<b>6.5900e-003</b>	<b>6.3000e-003</b>	<b>345.7881</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

No Hearths Installed

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	9.4855	0.3133	27.2013	1.4400e-003		0.1509	0.1509		0.1509	0.1509	0.0000	49.0259	49.0259	0.0470	0.0000	50.1997
Unmitigated	9.4855	0.3133	27.2013	1.4400e-003		0.1509	0.1509		0.1509	0.1509	0.0000	49.0259	49.0259	0.0470	0.0000	50.1997

**6.2 Area by SubCategory**

**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0445					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.6242					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.8168	0.3133	27.2013	1.4400e-003		0.1509	0.1509		0.1509	0.1509		49.0259	49.0259	0.0470		50.1997
<b>Total</b>	<b>9.4855</b>	<b>0.3133</b>	<b>27.2013</b>	<b>1.4400e-003</b>		<b>0.1509</b>	<b>0.1509</b>		<b>0.1509</b>	<b>0.1509</b>	<b>0.0000</b>	<b>49.0259</b>	<b>49.0259</b>	<b>0.0470</b>	<b>0.0000</b>	<b>50.1997</b>



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**6.2 Area by SubCategory**

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0445					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.6242					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.8168	0.3133	27.2013	1.4400e-003		0.1509	0.1509		0.1509	0.1509		49.0259	49.0259	0.0470		50.1997
<b>Total</b>	<b>9.4855</b>	<b>0.3133</b>	<b>27.2013</b>	<b>1.4400e-003</b>		<b>0.1509</b>	<b>0.1509</b>		<b>0.1509</b>	<b>0.1509</b>	<b>0.0000</b>	<b>49.0259</b>	<b>49.0259</b>	<b>0.0470</b>	<b>0.0000</b>	<b>50.1997</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

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De Anza Cove Amendment - San Diego County APCD Air District, Summer

**Fire Pumps and Emergency Generators**

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**11.0 Vegetation**

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De Anza Cove Amendment - San Diego County APCD Air District, Winter

**De Anza Cove Amendment**  
**San Diego County APCD Air District, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	1.00	1000sqft	0.02	1,000.00	0
Other Asphalt Surfaces	4.13	Acre	4.13	179,902.80	0
Parking Lot	5.30	Acre	5.30	230,868.00	0
Fast Food Restaurant w/o Drive Thru	1.00	1000sqft	0.02	1,000.00	0
Quality Restaurant	5.00	1000sqft	0.11	5,000.00	0
Mobile Home Park	330.00	Dwelling Unit	41.57	396,000.00	944

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	40
<b>Climate Zone</b>	13			<b>Operational Year</b>	2027
<b>Utility Company</b>	San Diego Gas & Electric				
<b>CO2 Intensity (lb/MW hr)</b>	720.49	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics -  
 Land Use - Based on City provided information.  
 Construction Phase - CalEEMod defaults.  
 Off-road Equipment - CalEEMod defaults.  
 Off-road Equipment - CalEEMod defaults.

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Off-road Equipment - CalEEMod defaults.

Off-road Equipment - CalEEMod defaults.

Off-road Equipment - CalEEMod defaults.

Off-road Equipment - CalEEMod defaults.

Trips and VMT - CalEEMod defaults, rounding up to even number of trips. Haul distance during grading phase represents onsite movement of material. There is no import or export, it is a balanced site.

On-road Fugitive Dust - CalEEMod defaults.

Demolition - Based on demolition of Campland.

Grading - 693,560 cubic yards of cut and fill, balanced on-site.

Architectural Coating - In accordance with SDAPCD Rule 67.0.1.

Vehicle Trips - No net increase in mobile.

Woodstoves - No increase in wood stove use.

Consumer Products - Consumer product use for food service land uses only.

Area Coating - Architectural coatings for food land use only.

Landscape Equipment - No net increase.

Energy Use - CalEEMod defaults for food land use and ranger station only.

Water And Wastewater - CalEEMod defaults for food land use and ranger station only.

Solid Waste - CalEEMod defaults for food land use and ranger station only.

Construction Off-road Equipment Mitigation - water twice daily

Area Mitigation - In accordance with SDAPCD Rule 67.0.1.

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00

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tblArchitecturalCoating	EF_Parking	250.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Parking	250	0
tblAreaCoating	Area_EF_Residential_Exterior	250	0
tblAreaCoating	Area_EF_Residential_Interior	250	0
tblAreaMitigation	UseLowVOCPaintParkingValue	250	0
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	250	0
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	250	0
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	0
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	0
tblEnergyUse	LightingElect	1,038.60	0.00
tblEnergyUse	NT24E	4,004.74	0.00
tblEnergyUse	NT24NG	4,180.00	0.00
tblEnergyUse	T24E	381.10	0.00
tblEnergyUse	T24NG	18,916.87	0.00
tblFireplaces	FireplaceDayYear	82.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	3,078.40	0.00
tblFireplaces	NumberGas	181.50	0.00
tblFireplaces	NumberNoFireplace	33.00	0.00
tblFireplaces	NumberWood	115.50	0.00
tblGrading	MaterialExported	0.00	693,560.00
tblGrading	MaterialImported	0.00	693,560.00
tblSolidWaste	SolidWasteGenerationRate	151.80	0.00
tblTripsAndVMT	HaulingTripLength	20.00	0.75
tblTripsAndVMT	HaulingTripNumber	3,307.00	3,308.00

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tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblTripsAndVMT	WorkerTripNumber	413.00	414.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblTripsAndVMT	WorkerTripNumber	83.00	84.00
tblVehicleTrips	HO_TTP	39.60	0.00
tblVehicleTrips	HS_TTP	18.80	0.00
tblVehicleTrips	HW_TTP	41.60	100.00
tblVehicleTrips	ST_TR	696.00	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	5.00	0.00
tblVehicleTrips	ST_TR	94.36	0.00
tblVehicleTrips	SU_TR	500.00	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	4.36	0.00
tblVehicleTrips	SU_TR	72.16	0.00
tblVehicleTrips	WD_TR	716.00	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	4.99	0.00
tblVehicleTrips	WD_TR	89.95	0.00
tblWater	IndoorWaterUseRate	21,500,828.46	0.00
tblWater	OutdoorWaterUseRate	13,554,870.11	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00

**2.0 Emissions Summary**

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De Anza Cove Amendment - San Diego County APCD Air District, Winter

**2.1 Overall Construction (Maximum Daily Emission)**

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	7.4755	198.4510	59.6613	0.2466	18.2141	2.1285	20.2596	9.9699	1.9635	11.8517	0.0000	26,148.87 64	26,148.87 64	5.5968	0.0000	26,288.79 68
2022	3.5535	26.5420	28.7865	0.0847	4.1050	0.8519	4.9569	1.1048	0.8014	1.9062	0.0000	8,527.016 7	8,527.016 7	0.9178	0.0000	8,549.961 9
2023	3.2720	23.0978	27.6918	0.0828	4.1049	0.7321	4.8370	1.1048	0.6885	1.7933	0.0000	8,338.291 2	8,338.291 2	0.8866	0.0000	8,360.455 3
2024	3.0933	21.9754	26.9427	0.0814	4.1049	0.6449	4.7499	1.1048	0.6064	1.7111	0.0000	8,205.529 8	8,205.529 8	0.8742	0.0000	8,227.384 8
2025	2.9219	20.8271	26.2553	0.0801	4.1049	0.5585	4.6635	1.1048	0.5251	1.6299	0.0000	8,075.474 5	8,075.474 5	0.8631	0.0000	8,097.051 3
2026	43.7921	20.6673	25.7513	0.0789	4.1049	0.5576	4.6625	1.1048	0.5242	1.6289	0.0000	7,960.630 0	7,960.630 0	0.8564	0.0000	7,982.040 8
<b>Maximum</b>	<b>43.7921</b>	<b>198.4510</b>	<b>59.6613</b>	<b>0.2466</b>	<b>18.2141</b>	<b>2.1285</b>	<b>20.2596</b>	<b>9.9699</b>	<b>1.9635</b>	<b>11.8517</b>	<b>0.0000</b>	<b>26,148.87 64</b>	<b>26,148.87 64</b>	<b>5.5968</b>	<b>0.0000</b>	<b>26,288.79 68</b>





De Anza Cove Amendment - San Diego County APCD Air District, Winter

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	9.4855	0.3133	27.2013	1.4400e-003		0.1509	0.1509		0.1509	0.1509	0.0000	49.0259	49.0259	0.0470	0.0000	50.1997
Energy	0.0315	0.2865	0.2406	1.7200e-003		0.0218	0.0218		0.0218	0.0218		343.7454	343.7454	6.5900e-003	6.3000e-003	345.7881
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>9.5170</b>	<b>0.5998</b>	<b>27.4419</b>	<b>3.1600e-003</b>	<b>0.0000</b>	<b>0.1727</b>	<b>0.1727</b>	<b>0.0000</b>	<b>0.1727</b>	<b>0.1727</b>	<b>0.0000</b>	<b>392.7712</b>	<b>392.7712</b>	<b>0.0535</b>	<b>6.3000e-003</b>	<b>395.9878</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	9.4855	0.3133	27.2013	1.4400e-003		0.1509	0.1509		0.1509	0.1509	0.0000	49.0259	49.0259	0.0470	0.0000	50.1997
Energy	0.0315	0.2865	0.2406	1.7200e-003		0.0218	0.0218		0.0218	0.0218		343.7454	343.7454	6.5900e-003	6.3000e-003	345.7881
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>9.5170</b>	<b>0.5998</b>	<b>27.4419</b>	<b>3.1600e-003</b>	<b>0.0000</b>	<b>0.1727</b>	<b>0.1727</b>	<b>0.0000</b>	<b>0.1727</b>	<b>0.1727</b>	<b>0.0000</b>	<b>392.7712</b>	<b>392.7712</b>	<b>0.0535</b>	<b>6.3000e-003</b>	<b>395.9878</b>

De Anza Cove Amendment - San Diego County APCD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2021	4/8/2021	5	70	
2	Site Preparation	Site Preparation	4/9/2021	6/3/2021	5	40	
3	Grading	Grading	6/4/2021	11/4/2021	5	110	
4	Building Construction	Building Construction	11/5/2021	2/5/2026	5	1110	
5	Paving	Paving	2/6/2026	5/21/2026	5	75	
6	Architectural Coating	Architectural Coating	5/22/2026	9/3/2026	5	75	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 275

Acres of Paving: 9.43

Residential Indoor: 801,900; Residential Outdoor: 267,300; Non-Residential Indoor: 10,500; Non-Residential Outdoor: 3,500; Striped Parking Area: 24,646 (Architectural Coating – sqft)

#### OffRoad Equipment

## De Anza Cove Amendment - San Diego County APCD Air District, Winter

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

Trips and VMT

De Anza Cove Amendment - San Diego County APCD Air District, Winter

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	16.00	0.00	3,308.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	173,390.00	10.80	7.30	0.75	LD_Mix	HDT_Mix	HHDT
Building Construction	9	414.00	104.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	16.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	84.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

**3.2 Demolition - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					10.3516	0.0000	10.3516	1.5676	0.0000	1.5676			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
<b>Total</b>	<b>3.1651</b>	<b>31.4407</b>	<b>21.5650</b>	<b>0.0388</b>	<b>10.3516</b>	<b>1.5513</b>	<b>11.9030</b>	<b>1.5676</b>	<b>1.4411</b>	<b>3.0087</b>		<b>3,747.9449</b>	<b>3,747.9449</b>	<b>1.0549</b>		<b>3,774.3174</b>

De Anza Cove Amendment - San Diego County APCD Air District, Winter

**3.2 Demolition - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.3605	12.2181	3.1501	0.0358	0.8258	0.0378	0.8635	0.2263	0.0361	0.2624		3,927.3957	3,927.3957	0.3646		3,936.5113
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0628	0.0404	0.3989	1.2300e-003	0.1314	9.1000e-004	0.1323	0.0349	8.4000e-004	0.0357		122.3276	122.3276	3.5100e-003		122.4155
<b>Total</b>	<b>0.4232</b>	<b>12.2584</b>	<b>3.5490</b>	<b>0.0370</b>	<b>0.9572</b>	<b>0.0387</b>	<b>0.9958</b>	<b>0.2612</b>	<b>0.0370</b>	<b>0.2981</b>		<b>4,049.7233</b>	<b>4,049.7233</b>	<b>0.3681</b>		<b>4,058.9268</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.6582	0.0000	4.6582	0.7054	0.0000	0.7054			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
<b>Total</b>	<b>3.1651</b>	<b>31.4407</b>	<b>21.5650</b>	<b>0.0388</b>	<b>4.6582</b>	<b>1.5513</b>	<b>6.2096</b>	<b>0.7054</b>	<b>1.4411</b>	<b>2.1465</b>	<b>0.0000</b>	<b>3,747.9449</b>	<b>3,747.9449</b>	<b>1.0549</b>		<b>3,774.3174</b>

De Anza Cove Amendment - San Diego County APCD Air District, Winter

**3.2 Demolition - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.3605	12.2181	3.1501	0.0358	0.8258	0.0378	0.8635	0.2263	0.0361	0.2624		3,927.3957	3,927.3957	0.3646		3,936.5113
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0628	0.0404	0.3989	1.2300e-003	0.1314	9.1000e-004	0.1323	0.0349	8.4000e-004	0.0357		122.3276	122.3276	3.5100e-003		122.4155
<b>Total</b>	<b>0.4232</b>	<b>12.2584</b>	<b>3.5490</b>	<b>0.0370</b>	<b>0.9572</b>	<b>0.0387</b>	<b>0.9958</b>	<b>0.2612</b>	<b>0.0370</b>	<b>0.2981</b>		<b>4,049.7233</b>	<b>4,049.7233</b>	<b>0.3681</b>		<b>4,058.9268</b>

**3.3 Site Preparation - 2021**

**Unmitigated Construction On-Site**

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

De Anza Cove Amendment - San Diego County APCD Air District, Winter

**3.3 Site Preparation - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0706	0.0454	0.4488	1.3800e-003	0.1479	1.0200e-003	0.1489	0.0392	9.4000e-004	0.0402		137.6186	137.6186	3.9500e-003		137.7174
<b>Total</b>	<b>0.0706</b>	<b>0.0454</b>	<b>0.4488</b>	<b>1.3800e-003</b>	<b>0.1479</b>	<b>1.0200e-003</b>	<b>0.1489</b>	<b>0.0392</b>	<b>9.4000e-004</b>	<b>0.0402</b>		<b>137.6186</b>	<b>137.6186</b>	<b>3.9500e-003</b>		<b>137.7174</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
<b>Total</b>	<b>3.8882</b>	<b>40.4971</b>	<b>21.1543</b>	<b>0.0380</b>	<b>8.1298</b>	<b>2.0445</b>	<b>10.1743</b>	<b>4.4688</b>	<b>1.8809</b>	<b>6.3497</b>	<b>0.0000</b>	<b>3,685.6569</b>	<b>3,685.6569</b>	<b>1.1920</b>		<b>3,715.4573</b>

De Anza Cove Amendment - San Diego County APCD Air District, Winter

**3.3 Site Preparation - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0706	0.0454	0.4488	1.3800e-003	0.1479	1.0200e-003	0.1489	0.0392	9.4000e-004	0.0402		137.6186	137.6186	3.9500e-003		137.7174
<b>Total</b>	<b>0.0706</b>	<b>0.0454</b>	<b>0.4488</b>	<b>1.3800e-003</b>	<b>0.1479</b>	<b>1.0200e-003</b>	<b>0.1489</b>	<b>0.0392</b>	<b>9.4000e-004</b>	<b>0.0402</b>		<b>137.6186</b>	<b>137.6186</b>	<b>3.9500e-003</b>		<b>137.7174</b>

**3.4 Grading - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					10.4453	0.0000	10.4453	3.8648	0.0000	3.8648			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
<b>Total</b>	<b>4.1912</b>	<b>46.3998</b>	<b>30.8785</b>	<b>0.0620</b>	<b>10.4453</b>	<b>1.9853</b>	<b>12.4307</b>	<b>3.8648</b>	<b>1.8265</b>	<b>5.6913</b>		<b>6,007.0434</b>	<b>6,007.0434</b>	<b>1.9428</b>		<b>6,055.6134</b>



De Anza Cove Amendment - San Diego County APCD Air District, Winter

**3.4 Grading - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.2059	152.0007	28.2842	0.1831	1.0650	0.1421	1.2070	0.2947	0.1359	0.4306		19,988.9235	19,988.9235	3.6496		20,080.1641
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0785	0.0505	0.4987	1.5300e-003	0.1643	1.1300e-003	0.1654	0.0436	1.0500e-003	0.0446		152.9095	152.9095	4.3900e-003		153.0193
<b>Total</b>	<b>3.2843</b>	<b>152.0512</b>	<b>28.7828</b>	<b>0.1846</b>	<b>1.2293</b>	<b>0.1432</b>	<b>1.3725</b>	<b>0.3383</b>	<b>0.1370</b>	<b>0.4753</b>		<b>20,141.8330</b>	<b>20,141.8330</b>	<b>3.6540</b>		<b>20,233.1834</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.7004	0.0000	4.7004	1.7392	0.0000	1.7392			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
<b>Total</b>	<b>4.1912</b>	<b>46.3998</b>	<b>30.8785</b>	<b>0.0620</b>	<b>4.7004</b>	<b>1.9853</b>	<b>6.6857</b>	<b>1.7392</b>	<b>1.8265</b>	<b>3.5657</b>	<b>0.0000</b>	<b>6,007.0434</b>	<b>6,007.0434</b>	<b>1.9428</b>		<b>6,055.6134</b>

De Anza Cove Amendment - San Diego County APCD Air District, Winter

**3.4 Grading - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.2059	152.0007	28.2842	0.1831	1.0650	0.1421	1.2070	0.2947	0.1359	0.4306		19,988.9235	19,988.9235	3.6496		20,080.1641
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0785	0.0505	0.4987	1.5300e-003	0.1643	1.1300e-003	0.1654	0.0436	1.0500e-003	0.0446		152.9095	152.9095	4.3900e-003		153.0193
<b>Total</b>	<b>3.2843</b>	<b>152.0512</b>	<b>28.7828</b>	<b>0.1846</b>	<b>1.2293</b>	<b>0.1432</b>	<b>1.3725</b>	<b>0.3383</b>	<b>0.1370</b>	<b>0.4753</b>		<b>20,141.8330</b>	<b>20,141.8330</b>	<b>3.6540</b>		<b>20,233.1834</b>

**3.5 Building Construction - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
<b>Total</b>	<b>1.9009</b>	<b>17.4321</b>	<b>16.5752</b>	<b>0.0269</b>		<b>0.9586</b>	<b>0.9586</b>		<b>0.9013</b>	<b>0.9013</b>		<b>2,553.3639</b>	<b>2,553.3639</b>	<b>0.6160</b>		<b>2,568.7643</b>

De Anza Cove Amendment - San Diego County APCD Air District, Winter

**3.5 Building Construction - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3315	10.5621	3.0050	0.0275	0.7040	0.0231	0.7272	0.2027	0.0221	0.2248		2,951.7207	2,951.7207	0.2300		2,957.4694
Worker	1.6239	1.0443	10.3221	0.0318	3.4009	0.0235	3.4244	0.9021	0.0216	0.9237		3,165.2270	3,165.2270	0.0909		3,167.5004
<b>Total</b>	<b>1.9554</b>	<b>11.6064</b>	<b>13.3271</b>	<b>0.0592</b>	<b>4.1050</b>	<b>0.0466</b>	<b>4.1516</b>	<b>1.1048</b>	<b>0.0438</b>	<b>1.1485</b>		<b>6,116.9477</b>	<b>6,116.9477</b>	<b>0.3209</b>		<b>6,124.9698</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
<b>Total</b>	<b>1.9009</b>	<b>17.4321</b>	<b>16.5752</b>	<b>0.0269</b>		<b>0.9586</b>	<b>0.9586</b>		<b>0.9013</b>	<b>0.9013</b>	<b>0.0000</b>	<b>2,553.3639</b>	<b>2,553.3639</b>	<b>0.6160</b>		<b>2,568.7643</b>

De Anza Cove Amendment - San Diego County APCD Air District, Winter

**3.5 Building Construction - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3315	10.5621	3.0050	0.0275	0.7040	0.0231	0.7272	0.2027	0.0221	0.2248		2,951.7207	2,951.7207	0.2300		2,957.4694
Worker	1.6239	1.0443	10.3221	0.0318	3.4009	0.0235	3.4244	0.9021	0.0216	0.9237		3,165.2270	3,165.2270	0.0909		3,167.5004
<b>Total</b>	<b>1.9554</b>	<b>11.6064</b>	<b>13.3271</b>	<b>0.0592</b>	<b>4.1050</b>	<b>0.0466</b>	<b>4.1516</b>	<b>1.1048</b>	<b>0.0438</b>	<b>1.1485</b>		<b>6,116.9477</b>	<b>6,116.9477</b>	<b>0.3209</b>		<b>6,124.9698</b>

**3.5 Building Construction - 2022**

**Unmitigated Construction On-Site**

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

De Anza Cove Amendment - San Diego County APCD Air District, Winter

**3.5 Building Construction - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3084	9.9743	2.8453	0.0271	0.7040	0.0199	0.7240	0.2027	0.0191	0.2217		2,923.467 2	2,923.467 2	0.2226		2,929.032 4
Worker	1.5389	0.9520	9.5779	0.0306	3.4009	0.0230	3.4239	0.9021	0.0212	0.9233		3,049.215 9	3,049.215 9	0.0833		3,051.297 3
<b>Total</b>	<b>1.8472</b>	<b>10.9264</b>	<b>12.4231</b>	<b>0.0577</b>	<b>4.1050</b>	<b>0.0429</b>	<b>4.1479</b>	<b>1.1048</b>	<b>0.0402</b>	<b>1.1450</b>		<b>5,972.683 2</b>	<b>5,972.683 2</b>	<b>0.3059</b>		<b>5,980.329 6</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.333 6	2,554.333 6	0.6120		2,569.632 2
<b>Total</b>	<b>1.7062</b>	<b>15.6156</b>	<b>16.3634</b>	<b>0.0269</b>		<b>0.8090</b>	<b>0.8090</b>		<b>0.7612</b>	<b>0.7612</b>	<b>0.0000</b>	<b>2,554.333 6</b>	<b>2,554.333 6</b>	<b>0.6120</b>		<b>2,569.632 2</b>

De Anza Cove Amendment - San Diego County APCD Air District, Winter

**3.5 Building Construction - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3084	9.9743	2.8453	0.0271	0.7040	0.0199	0.7240	0.2027	0.0191	0.2217		2,923.467 2	2,923.467 2	0.2226		2,929.032 4
Worker	1.5389	0.9520	9.5779	0.0306	3.4009	0.0230	3.4239	0.9021	0.0212	0.9233		3,049.215 9	3,049.215 9	0.0833		3,051.297 3
<b>Total</b>	<b>1.8472</b>	<b>10.9264</b>	<b>12.4231</b>	<b>0.0577</b>	<b>4.1050</b>	<b>0.0429</b>	<b>4.1479</b>	<b>1.1048</b>	<b>0.0402</b>	<b>1.1450</b>		<b>5,972.683 2</b>	<b>5,972.683 2</b>	<b>0.3059</b>		<b>5,980.329 6</b>

**3.5 Building Construction - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.209 9	2,555.209 9	0.6079		2,570.406 1
<b>Total</b>	<b>1.5728</b>	<b>14.3849</b>	<b>16.2440</b>	<b>0.0269</b>		<b>0.6997</b>	<b>0.6997</b>		<b>0.6584</b>	<b>0.6584</b>		<b>2,555.209 9</b>	<b>2,555.209 9</b>	<b>0.6079</b>		<b>2,570.406 1</b>

De Anza Cove Amendment - San Diego County APCD Air District, Winter

**3.5 Building Construction - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2380	7.8438	2.5700	0.0264	0.7040	9.8000e-003	0.7138	0.2027	9.3700e-003	0.2120		2,850.3210	2,850.3210	0.2026		2,855.3866
Worker	1.4612	0.8692	8.8777	0.0294	3.4009	0.0225	3.4234	0.9021	0.0207	0.9228		2,932.7603	2,932.7603	0.0761		2,934.6626
<b>Total</b>	<b>1.6993</b>	<b>8.7130</b>	<b>11.4478</b>	<b>0.0558</b>	<b>4.1049</b>	<b>0.0323</b>	<b>4.1373</b>	<b>1.1048</b>	<b>0.0301</b>	<b>1.1349</b>		<b>5,783.0813</b>	<b>5,783.0813</b>	<b>0.2787</b>		<b>5,790.0492</b>

**Mitigated Construction On-Site**

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

De Anza Cove Amendment - San Diego County APCD Air District, Winter

**3.5 Building Construction - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2380	7.8438	2.5700	0.0264	0.7040	9.8000e-003	0.7138	0.2027	9.3700e-003	0.2120		2,850.3210	2,850.3210	0.2026		2,855.3866
Worker	1.4612	0.8692	8.8777	0.0294	3.4009	0.0225	3.4234	0.9021	0.0207	0.9228		2,932.7603	2,932.7603	0.0761		2,934.6626
<b>Total</b>	<b>1.6993</b>	<b>8.7130</b>	<b>11.4478</b>	<b>0.0558</b>	<b>4.1049</b>	<b>0.0323</b>	<b>4.1373</b>	<b>1.1048</b>	<b>0.0301</b>	<b>1.1349</b>		<b>5,783.0813</b>	<b>5,783.0813</b>	<b>0.2787</b>		<b>5,790.0492</b>

**3.5 Building Construction - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
<b>Total</b>	<b>1.4716</b>	<b>13.4438</b>	<b>16.1668</b>	<b>0.0270</b>		<b>0.6133</b>	<b>0.6133</b>		<b>0.5769</b>	<b>0.5769</b>		<b>2,555.6989</b>	<b>2,555.6989</b>	<b>0.6044</b>		<b>2,570.8077</b>



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**3.5 Building Construction - 2024**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2295	7.7345	2.4883	0.0262	0.7040	9.5200e-003	0.7136	0.2027	9.1000e-003	0.2118		2,832.5115	2,832.5115	0.2000		2,837.5110
Worker	1.3922	0.7971	8.2875	0.0283	3.4009	0.0221	3.4230	0.9021	0.0204	0.9224		2,817.3194	2,817.3194	0.0699		2,819.0662
<b>Total</b>	<b>1.6217</b>	<b>8.5316</b>	<b>10.7759</b>	<b>0.0545</b>	<b>4.1049</b>	<b>0.0316</b>	<b>4.1366</b>	<b>1.1048</b>	<b>0.0295</b>	<b>1.1342</b>		<b>5,649.8309</b>	<b>5,649.8309</b>	<b>0.2699</b>		<b>5,656.5772</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
<b>Total</b>	<b>1.4716</b>	<b>13.4438</b>	<b>16.1668</b>	<b>0.0270</b>		<b>0.6133</b>	<b>0.6133</b>		<b>0.5769</b>	<b>0.5769</b>	<b>0.0000</b>	<b>2,555.6989</b>	<b>2,555.6989</b>	<b>0.6044</b>		<b>2,570.8077</b>

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**3.5 Building Construction - 2024**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2295	7.7345	2.4883	0.0262	0.7040	9.5200e-003	0.7136	0.2027	9.1000e-003	0.2118		2,832.5115	2,832.5115	0.2000		2,837.5110
Worker	1.3922	0.7971	8.2875	0.0283	3.4009	0.0221	3.4230	0.9021	0.0204	0.9224		2,817.3194	2,817.3194	0.0699		2,819.0662
<b>Total</b>	<b>1.6217</b>	<b>8.5316</b>	<b>10.7759</b>	<b>0.0545</b>	<b>4.1049</b>	<b>0.0316</b>	<b>4.1366</b>	<b>1.1048</b>	<b>0.0295</b>	<b>1.1342</b>		<b>5,649.8309</b>	<b>5,649.8309</b>	<b>0.2699</b>		<b>5,656.5772</b>

**3.5 Building Construction - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>	<b>16.0847</b>	<b>0.0270</b>		<b>0.5276</b>	<b>0.5276</b>		<b>0.4963</b>	<b>0.4963</b>		<b>2,556.4744</b>	<b>2,556.4744</b>	<b>0.6010</b>		<b>2,571.4981</b>

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**3.5 Building Construction - 2025**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2226	7.6225	2.4375	0.0260	0.7040	9.2000e-003	0.7132	0.2027	8.8000e-003	0.2115		2,815.5574	2,815.5574	0.1977		2,820.4989
Worker	1.3319	0.7349	7.7332	0.0271	3.4009	0.0218	3.4227	0.9021	0.0200	0.9221		2,703.4427	2,703.4427	0.0645		2,705.0543
<b>Total</b>	<b>1.5545</b>	<b>8.3574</b>	<b>10.1706</b>	<b>0.0531</b>	<b>4.1049</b>	<b>0.0310</b>	<b>4.1359</b>	<b>1.1048</b>	<b>0.0288</b>	<b>1.1336</b>		<b>5,519.0001</b>	<b>5,519.0001</b>	<b>0.2621</b>		<b>5,525.5532</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>	<b>16.0847</b>	<b>0.0270</b>		<b>0.5276</b>	<b>0.5276</b>		<b>0.4963</b>	<b>0.4963</b>	<b>0.0000</b>	<b>2,556.4744</b>	<b>2,556.4744</b>	<b>0.6010</b>		<b>2,571.4981</b>

De Anza Cove Amendment - San Diego County APCD Air District, Winter

**3.5 Building Construction - 2025**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2226	7.6225	2.4375	0.0260	0.7040	9.2000e-003	0.7132	0.2027	8.8000e-003	0.2115		2,815.5574	2,815.5574	0.1977		2,820.4989
Worker	1.3319	0.7349	7.7332	0.0271	3.4009	0.0218	3.4227	0.9021	0.0200	0.9221		2,703.4427	2,703.4427	0.0645		2,705.0543
<b>Total</b>	<b>1.5545</b>	<b>8.3574</b>	<b>10.1706</b>	<b>0.0531</b>	<b>4.1049</b>	<b>0.0310</b>	<b>4.1359</b>	<b>1.1048</b>	<b>0.0288</b>	<b>1.1336</b>		<b>5,519.0001</b>	<b>5,519.0001</b>	<b>0.2621</b>		<b>5,525.5532</b>

**3.5 Building Construction - 2026**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>	<b>16.0847</b>	<b>0.0270</b>		<b>0.5276</b>	<b>0.5276</b>		<b>0.4963</b>	<b>0.4963</b>		<b>2,556.4744</b>	<b>2,556.4744</b>	<b>0.6010</b>		<b>2,571.4981</b>

De Anza Cove Amendment - San Diego County APCD Air District, Winter

**3.5 Building Construction - 2026**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2169	7.5142	2.4016	0.0258	0.7040	8.9100e-003	0.7129	0.2027	8.5200e-003	0.2112		2,799.7159	2,799.7159	0.1954		2,804.6021
Worker	1.2792	0.6835	7.2650	0.0261	3.4009	0.0211	3.4220	0.9021	0.0194	0.9215		2,604.4397	2,604.4397	0.0600		2,605.9407
<b>Total</b>	<b>1.4960</b>	<b>8.1976</b>	<b>9.6667</b>	<b>0.0519</b>	<b>4.1049</b>	<b>0.0300</b>	<b>4.1349</b>	<b>1.1048</b>	<b>0.0279</b>	<b>1.1327</b>		<b>5,404.1556</b>	<b>5,404.1556</b>	<b>0.2555</b>		<b>5,410.5428</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>	<b>16.0847</b>	<b>0.0270</b>		<b>0.5276</b>	<b>0.5276</b>		<b>0.4963</b>	<b>0.4963</b>	<b>0.0000</b>	<b>2,556.4744</b>	<b>2,556.4744</b>	<b>0.6010</b>		<b>2,571.4981</b>

De Anza Cove Amendment - San Diego County APCD Air District, Winter

**3.5 Building Construction - 2026**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2169	7.5142	2.4016	0.0258	0.7040	8.9100e-003	0.7129	0.2027	8.5200e-003	0.2112		2,799.7159	2,799.7159	0.1954		2,804.6021
Worker	1.2792	0.6835	7.2650	0.0261	3.4009	0.0211	3.4220	0.9021	0.0194	0.9215		2,604.4397	2,604.4397	0.0600		2,605.9407
<b>Total</b>	<b>1.4960</b>	<b>8.1976</b>	<b>9.6667</b>	<b>0.0519</b>	<b>4.1049</b>	<b>0.0300</b>	<b>4.1349</b>	<b>1.1048</b>	<b>0.0279</b>	<b>1.1327</b>		<b>5,404.1556</b>	<b>5,404.1556</b>	<b>0.2555</b>		<b>5,410.5428</b>

**3.6 Paving - 2026**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.3294					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.2446</b>	<b>8.5816</b>	<b>14.5780</b>	<b>0.0228</b>		<b>0.4185</b>	<b>0.4185</b>		<b>0.3850</b>	<b>0.3850</b>		<b>2,206.7452</b>	<b>2,206.7452</b>	<b>0.7137</b>		<b>2,224.5878</b>

De Anza Cove Amendment - San Diego County APCD Air District, Winter

**3.6 Paving - 2026**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0494	0.0264	0.2808	1.0100e-003	0.1314	8.2000e-004	0.1323	0.0349	7.5000e-004	0.0356		100.6547	100.6547	2.3200e-003		100.7127
<b>Total</b>	<b>0.0494</b>	<b>0.0264</b>	<b>0.2808</b>	<b>1.0100e-003</b>	<b>0.1314</b>	<b>8.2000e-004</b>	<b>0.1323</b>	<b>0.0349</b>	<b>7.5000e-004</b>	<b>0.0356</b>		<b>100.6547</b>	<b>100.6547</b>	<b>2.3200e-003</b>		<b>100.7127</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.3294					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.2446</b>	<b>8.5816</b>	<b>14.5780</b>	<b>0.0228</b>		<b>0.4185</b>	<b>0.4185</b>		<b>0.3850</b>	<b>0.3850</b>	<b>0.0000</b>	<b>2,206.7452</b>	<b>2,206.7452</b>	<b>0.7137</b>		<b>2,224.5878</b>

De Anza Cove Amendment - San Diego County APCD Air District, Winter

**3.6 Paving - 2026**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0494	0.0264	0.2808	1.0100e-003	0.1314	8.2000e-004	0.1323	0.0349	7.5000e-004	0.0356		100.6547	100.6547	2.3200e-003		100.7127
<b>Total</b>	<b>0.0494</b>	<b>0.0264</b>	<b>0.2808</b>	<b>1.0100e-003</b>	<b>0.1314</b>	<b>8.2000e-004</b>	<b>0.1323</b>	<b>0.0349</b>	<b>7.5000e-004</b>	<b>0.0356</b>		<b>100.6547</b>	<b>100.6547</b>	<b>2.3200e-003</b>		<b>100.7127</b>

**3.7 Architectural Coating - 2026**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	43.3617					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
<b>Total</b>	<b>43.5326</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>



De Anza Cove Amendment - San Diego County APCD Air District, Winter

**3.7 Architectural Coating - 2026**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2595	0.1387	1.4741	5.3000e-003	0.6900	4.2800e-003	0.6943	0.1830	3.9400e-003	0.1870		528.4370	528.4370	0.0122		528.7416
<b>Total</b>	<b>0.2595</b>	<b>0.1387</b>	<b>1.4741</b>	<b>5.3000e-003</b>	<b>0.6900</b>	<b>4.2800e-003</b>	<b>0.6943</b>	<b>0.1830</b>	<b>3.9400e-003</b>	<b>0.1870</b>		<b>528.4370</b>	<b>528.4370</b>	<b>0.0122</b>		<b>528.7416</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	43.3617					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
<b>Total</b>	<b>43.5326</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

De Anza Cove Amendment - San Diego County APCD Air District, Winter

**3.7 Architectural Coating - 2026**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2595	0.1387	1.4741	5.3000e-003	0.6900	4.2800e-003	0.6943	0.1830	3.9400e-003	0.1870		528.4370	528.4370	0.0122		528.7416
<b>Total</b>	<b>0.2595</b>	<b>0.1387</b>	<b>1.4741</b>	<b>5.3000e-003</b>	<b>0.6900</b>	<b>4.2800e-003</b>	<b>0.6943</b>	<b>0.1830</b>	<b>3.9400e-003</b>	<b>0.1870</b>		<b>528.4370</b>	<b>528.4370</b>	<b>0.0122</b>		<b>528.7416</b>

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

De Anza Cove Amendment - San Diego County APCD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Fast Food Restaurant w/o Drive Thru	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Mobile Home Park	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Quality Restaurant	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

De Anza Cove Amendment - San Diego County APCD Air District, Winter

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Fast Food Restaurant w/o Drive	9.50	7.30	7.30	1.50	79.50	19.00	51	37	12
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Mobile Home Park	10.80	7.30	7.50	100.00	0.00	0.00	86	11	3
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Quality Restaurant	9.50	7.30	7.30	12.00	69.00	19.00	38	18	44

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Fast Food Restaurant w/o Drive Thru	0.609162	0.038894	0.178600	0.101308	0.013823	0.005356	0.016956	0.024628	0.001928	0.001823	0.005807	0.000764	0.000950
General Office Building	0.609162	0.038894	0.178600	0.101308	0.013823	0.005356	0.016956	0.024628	0.001928	0.001823	0.005807	0.000764	0.000950
Mobile Home Park	0.609162	0.038894	0.178600	0.101308	0.013823	0.005356	0.016956	0.024628	0.001928	0.001823	0.005807	0.000764	0.000950
Other Asphalt Surfaces	0.609162	0.038894	0.178600	0.101308	0.013823	0.005356	0.016956	0.024628	0.001928	0.001823	0.005807	0.000764	0.000950
Parking Lot	0.609162	0.038894	0.178600	0.101308	0.013823	0.005356	0.016956	0.024628	0.001928	0.001823	0.005807	0.000764	0.000950
Quality Restaurant	0.609162	0.038894	0.178600	0.101308	0.013823	0.005356	0.016956	0.024628	0.001928	0.001823	0.005807	0.000764	0.000950

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

De Anza Cove Amendment - San Diego County APCD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0315	0.2865	0.2406	1.7200e-003		0.0218	0.0218		0.0218	0.0218		343.7454	343.7454	6.5900e-003	6.3000e-003	345.7881
NaturalGas Unmitigated	0.0315	0.2865	0.2406	1.7200e-003		0.0218	0.0218		0.0218	0.0218		343.7454	343.7454	6.5900e-003	6.3000e-003	345.7881

De Anza Cove Amendment - San Diego County APCD Air District, Winter

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Fast Food Restaurant w/o Drive Thru	477.753	5.1500e-003	0.0468	0.0393	2.8000e-004		3.5600e-003	3.5600e-003		3.5600e-003	3.5600e-003		56.2063	56.2063	1.0800e-003	1.0300e-003	56.5403
General Office Building	55.3151	6.0000e-004	5.4200e-003	4.5600e-003	3.0000e-005		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004		6.5077	6.5077	1.2000e-004	1.2000e-004	6.5463
Mobile Home Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Quality Restaurant	2388.77	0.0258	0.2342	0.1967	1.4100e-003		0.0178	0.0178		0.0178	0.0178		281.0314	281.0314	5.3900e-003	5.1500e-003	282.7015
<b>Total</b>		<b>0.0315</b>	<b>0.2865</b>	<b>0.2406</b>	<b>1.7200e-003</b>		<b>0.0218</b>	<b>0.0218</b>		<b>0.0218</b>	<b>0.0218</b>		<b>343.7454</b>	<b>343.7454</b>	<b>6.5900e-003</b>	<b>6.3000e-003</b>	<b>345.7881</b>

De Anza Cove Amendment - San Diego County APCD Air District, Winter

**5.2 Energy by Land Use - NaturalGas**

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Fast Food Restaurant w/o Drive Thru	0.477753	5.1500e-003	0.0468	0.0393	2.8000e-004		3.5600e-003	3.5600e-003		3.5600e-003	3.5600e-003		56.2063	56.2063	1.0800e-003	1.0300e-003	56.5403
General Office Building	0.0553151	6.0000e-004	5.4200e-003	4.5600e-003	3.0000e-005		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004		6.5077	6.5077	1.2000e-004	1.2000e-004	6.5463
Mobile Home Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Quality Restaurant	2.38877	0.0258	0.2342	0.1967	1.4100e-003		0.0178	0.0178		0.0178	0.0178		281.0314	281.0314	5.3900e-003	5.1500e-003	282.7015
<b>Total</b>		<b>0.0315</b>	<b>0.2865</b>	<b>0.2406</b>	<b>1.7200e-003</b>		<b>0.0218</b>	<b>0.0218</b>		<b>0.0218</b>	<b>0.0218</b>		<b>343.7454</b>	<b>343.7454</b>	<b>6.5900e-003</b>	<b>6.3000e-003</b>	<b>345.7881</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

No Hearths Installed

De Anza Cove Amendment - San Diego County APCD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	9.4855	0.3133	27.2013	1.4400e-003		0.1509	0.1509		0.1509	0.1509	0.0000	49.0259	49.0259	0.0470	0.0000	50.1997
Unmitigated	9.4855	0.3133	27.2013	1.4400e-003		0.1509	0.1509		0.1509	0.1509	0.0000	49.0259	49.0259	0.0470	0.0000	50.1997

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0445					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.6242					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.8168	0.3133	27.2013	1.4400e-003		0.1509	0.1509		0.1509	0.1509		49.0259	49.0259	0.0470		50.1997
<b>Total</b>	<b>9.4855</b>	<b>0.3133</b>	<b>27.2013</b>	<b>1.4400e-003</b>		<b>0.1509</b>	<b>0.1509</b>		<b>0.1509</b>	<b>0.1509</b>	<b>0.0000</b>	<b>49.0259</b>	<b>49.0259</b>	<b>0.0470</b>	<b>0.0000</b>	<b>50.1997</b>



De Anza Cove Amendment - San Diego County APCD Air District, Winter

**6.2 Area by SubCategory**

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0445					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.6242					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.8168	0.3133	27.2013	1.4400e-003		0.1509	0.1509		0.1509	0.1509		49.0259	49.0259	0.0470		50.1997
<b>Total</b>	<b>9.4855</b>	<b>0.3133</b>	<b>27.2013</b>	<b>1.4400e-003</b>		<b>0.1509</b>	<b>0.1509</b>		<b>0.1509</b>	<b>0.1509</b>	<b>0.0000</b>	<b>49.0259</b>	<b>49.0259</b>	<b>0.0470</b>	<b>0.0000</b>	<b>50.1997</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

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De Anza Cove Amendment - San Diego County APCD Air District, Winter

**Fire Pumps and Emergency Generators**

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**11.0 Vegetation**

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# **APPENDIX B**

*CalEEMod Outputs and Estimated Emissions for  
the Existing Site*



De Anza Cove Amendment - Existing Campland Cantina - San Diego County APCD Air District, Annual

**De Anza Cove Amendment - Existing Campland Cantina**  
**San Diego County APCD Air District, Annual**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
High Turnover (Sit Down Restaurant)	2.50	1000sqft	0.06	2,500.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	40
<b>Climate Zone</b>	13			<b>Operational Year</b>	2005
<b>Utility Company</b>	San Diego Gas & Electric				
<b>CO2 Intensity (lb/MW hr)</b>	720.49	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

De Anza Cove Amendment - Existing Campland Cantina - San Diego County APCD Air District, Annual

Project Characteristics -

Land Use - Based on existing Campland Cantina.

Construction Phase - No construction.

Off-road Equipment - No construction.

Off-road Equipment - CalEEMod defaults.

Trips and VMT -

On-road Fugitive Dust - CalEEMod defaults.

Demolition -

Grading -

Architectural Coating - no construction

Vehicle Trips - No net increase in mobile.

Woodstoves - No hearths.

Consumer Products - CalEEMod defaults.

Area Coating - In accordance with SDAPCD Rule 67.0.1.

Landscape Equipment - No net increase.

Energy Use - Historical use for existing Campland Cantina.

Water And Wastewater - CalEEMod defaults.

Solid Waste - CalEEMod defaults.

Construction Off-road Equipment Mitigation - water twice daily

Area Mitigation - In accordance with SDAPCD Rule 67.0.1.

## De Anza Cove Amendment - Existing Campland Cantina - San Diego County APCD Air District, Annual

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	1,250.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	3,750.00	0.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	100
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorV alue	100	250
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorV alue	50	250
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblVehicleTrips	ST_TR	158.37	0.00
tblVehicleTrips	SU_TR	131.84	0.00
tblVehicleTrips	WD_TR	127.15	0.00

## 2.0 Emissions Summary

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De Anza Cove Amendment - Existing Campland Cantina - San Diego County APCD Air District, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0105					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Energy	2.3800e-003	0.0217	0.0182	1.3000e-004		1.6500e-003	1.6500e-003		1.6500e-003	1.6500e-003	0.0000	58.3404	58.3404	1.8500e-003	7.2000e-004	58.6018
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	6.0390	0.0000	6.0390	0.3569	0.0000	14.9613
Water						0.0000	0.0000		0.0000	0.0000	0.2407	3.4050	3.6457	0.0249	6.1000e-004	4.4498
<b>Total</b>	<b>0.0129</b>	<b>0.0217</b>	<b>0.0182</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>1.6500e-003</b>	<b>1.6500e-003</b>	<b>0.0000</b>	<b>1.6500e-003</b>	<b>1.6500e-003</b>	<b>6.2797</b>	<b>61.7454</b>	<b>68.0251</b>	<b>0.3836</b>	<b>1.3300e-003</b>	<b>78.0129</b>

De Anza Cove Amendment - Existing Campland Cantina - San Diego County APCD Air District, Annual

**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0127					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Energy	2.3800e-003	0.0217	0.0182	1.3000e-004		1.6500e-003	1.6500e-003		1.6500e-003	1.6500e-003	0.0000	58.3404	58.3404	1.8500e-003	7.2000e-004	58.6018
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	6.0390	0.0000	6.0390	0.3569	0.0000	14.9613
Water						0.0000	0.0000		0.0000	0.0000	0.2407	3.4050	3.6457	0.0249	6.1000e-004	4.4498
<b>Total</b>	<b>0.0150</b>	<b>0.0217</b>	<b>0.0182</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>1.6500e-003</b>	<b>1.6500e-003</b>	<b>0.0000</b>	<b>1.6500e-003</b>	<b>1.6500e-003</b>	<b>6.2797</b>	<b>61.7454</b>	<b>68.0251</b>	<b>0.3836</b>	<b>1.3300e-003</b>	<b>78.0129</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	-16.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	1/1/2004	1/7/2004	5	5	

**Acres of Grading (Site Preparation Phase): 0**

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**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	6.00	78	0.48

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area



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**3.2 Architectural Coating - 2004**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
High Turnover (Sit Down Restaurant)	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
High Turnover (Sit Down Restaurant)	9.50	7.30	7.30	8.50	72.50	19.00	37	20	43

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
High Turnover (Sit Down Restaurant)	0.609162	0.038894	0.178600	0.101308	0.013823	0.005356	0.016956	0.024628	0.001928	0.001823	0.005807	0.000764	0.000950

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**5.0 Energy Detail**

Historical Energy Use: Y

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	34.7643	34.7643	1.4000e-003	2.9000e-004	34.8855
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	34.7643	34.7643	1.4000e-003	2.9000e-004	34.8855
NaturalGas Mitigated	2.3800e-003	0.0217	0.0182	1.3000e-004		1.6500e-003	1.6500e-003		1.6500e-003	1.6500e-003	0.0000	23.5761	23.5761	4.5000e-004	4.3000e-004	23.7162
NaturalGas Unmitigated	2.3800e-003	0.0217	0.0182	1.3000e-004		1.6500e-003	1.6500e-003		1.6500e-003	1.6500e-003	0.0000	23.5761	23.5761	4.5000e-004	4.3000e-004	23.7162

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**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
High Turnover (Sit Down Restaurant)	441800	2.3800e-003	0.0217	0.0182	1.3000e-004		1.6500e-003	1.6500e-003		1.6500e-003	1.6500e-003	0.0000	23.5761	23.5761	4.5000e-004	4.3000e-004	23.7162
<b>Total</b>		<b>2.3800e-003</b>	<b>0.0217</b>	<b>0.0182</b>	<b>1.3000e-004</b>		<b>1.6500e-003</b>	<b>1.6500e-003</b>		<b>1.6500e-003</b>	<b>1.6500e-003</b>	<b>0.0000</b>	<b>23.5761</b>	<b>23.5761</b>	<b>4.5000e-004</b>	<b>4.3000e-004</b>	<b>23.7162</b>

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
High Turnover (Sit Down Restaurant)	441800	2.3800e-003	0.0217	0.0182	1.3000e-004		1.6500e-003	1.6500e-003		1.6500e-003	1.6500e-003	0.0000	23.5761	23.5761	4.5000e-004	4.3000e-004	23.7162
<b>Total</b>		<b>2.3800e-003</b>	<b>0.0217</b>	<b>0.0182</b>	<b>1.3000e-004</b>		<b>1.6500e-003</b>	<b>1.6500e-003</b>		<b>1.6500e-003</b>	<b>1.6500e-003</b>	<b>0.0000</b>	<b>23.5761</b>	<b>23.5761</b>	<b>4.5000e-004</b>	<b>4.3000e-004</b>	<b>23.7162</b>



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**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
High Turnover (Sit Down Restaurant)	106375	34.7643	1.4000e-003	2.9000e-004	34.8855
<b>Total</b>		<b>34.7643</b>	<b>1.4000e-003</b>	<b>2.9000e-004</b>	<b>34.8855</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
High Turnover (Sit Down Restaurant)	106375	34.7643	1.4000e-003	2.9000e-004	34.8855
<b>Total</b>		<b>34.7643</b>	<b>1.4000e-003</b>	<b>2.9000e-004</b>	<b>34.8855</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**



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**6.2 Area by SubCategory**

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	2.9000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	9.7600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0127</b>					<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	3.6457	0.0249	6.1000e-004	4.4498
Unmitigated	3.6457	0.0249	6.1000e-004	4.4498

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**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
High Turnover (Sit Down Restaurant)	0.758834 / 0.0484362	3.6457	0.0249	6.1000e-004	4.4498
<b>Total</b>		<b>3.6457</b>	<b>0.0249</b>	<b>6.1000e-004</b>	<b>4.4498</b>

**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
High Turnover (Sit Down Restaurant)	0.758834 / 0.0484362	3.6457	0.0249	6.1000e-004	4.4498
<b>Total</b>		<b>3.6457</b>	<b>0.0249</b>	<b>6.1000e-004</b>	<b>4.4498</b>

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

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**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	6.0390	0.3569	0.0000	14.9613
Unmitigated	6.0390	0.3569	0.0000	14.9613

**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
High Turnover (Sit Down Restaurant)	29.75	6.0390	0.3569	0.0000	14.9613
<b>Total</b>		<b>6.0390</b>	<b>0.3569</b>	<b>0.0000</b>	<b>14.9613</b>

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**8.2 Waste by Land Use**

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
High Turnover (Sit Down Restaurant)	29.75	6.0390	0.3569	0.0000	14.9613
<b>Total</b>		<b>6.0390</b>	<b>0.3569</b>	<b>0.0000</b>	<b>14.9613</b>

**9.0 Operational Offroad**

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

**Fire Pumps and Emergency Generators**

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**11.0 Vegetation**

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## De Anza Cove Amendment - Existing Campland Cantina - San Diego County APCD Air District, Summer

**De Anza Cove Amendment - Existing Campland Cantina**  
**San Diego County APCD Air District, Summer**

**1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
High Turnover (Sit Down Restaurant)	2.50	1000sqft	0.06	2,500.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	40
<b>Climate Zone</b>	13			<b>Operational Year</b>	2005
<b>Utility Company</b>	San Diego Gas & Electric				
<b>CO2 Intensity (lb/MW hr)</b>	720.49	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**



De Anza Cove Amendment - Existing Campland Cantina - San Diego County APCD Air District, Summer

Project Characteristics -

Land Use - Based on existing Campland Cantina.

Construction Phase - No construction.

Off-road Equipment - No construction.

Off-road Equipment - CalEEMod defaults.

Trips and VMT -

On-road Fugitive Dust - CalEEMod defaults.

Demolition -

Grading -

Architectural Coating - no construction

Vehicle Trips - No net increase in mobile.

Woodstoves - No hearths.

Consumer Products - CalEEMod defaults.

Area Coating - In accordance with SDAPCD Rule 67.0.1.

Landscape Equipment - No net increase.

Energy Use - Historical use for existing Campland Cantina.

Water And Wastewater - CalEEMod defaults.

Solid Waste - CalEEMod defaults.

Construction Off-road Equipment Mitigation - water twice daily

Area Mitigation - In accordance with SDAPCD Rule 67.0.1.

## De Anza Cove Amendment - Existing Campland Cantina - San Diego County APCD Air District, Summer

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	1,250.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	3,750.00	0.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	100
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorV alue	100	250
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorV alue	50	250
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblVehicleTrips	ST_TR	158.37	0.00
tblVehicleTrips	SU_TR	131.84	0.00
tblVehicleTrips	WD_TR	127.15	0.00

## 2.0 Emissions Summary

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De Anza Cove Amendment - Existing Campland Cantina - San Diego County APCD Air District, Summer

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0575	0.0000	3.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.5000e-004	5.5000e-004	0.0000		6.1000e-004
Energy	0.0131	0.1187	0.0997	7.1000e-004		9.0200e-003	9.0200e-003		9.0200e-003	9.0200e-003		142.4013	142.4013	2.7300e-003	2.6100e-003	143.2475
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0706</b>	<b>0.1187</b>	<b>0.1000</b>	<b>7.1000e-004</b>	<b>0.0000</b>	<b>9.0200e-003</b>	<b>9.0200e-003</b>	<b>0.0000</b>	<b>9.0200e-003</b>	<b>9.0200e-003</b>		<b>142.4018</b>	<b>142.4018</b>	<b>2.7300e-003</b>	<b>2.6100e-003</b>	<b>143.2481</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0694	0.0000	3.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.5000e-004	5.5000e-004	0.0000		6.1000e-004
Energy	0.0131	0.1187	0.0997	7.1000e-004		9.0200e-003	9.0200e-003		9.0200e-003	9.0200e-003		142.4013	142.4013	2.7300e-003	2.6100e-003	143.2475
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0825</b>	<b>0.1187</b>	<b>0.1000</b>	<b>7.1000e-004</b>	<b>0.0000</b>	<b>9.0200e-003</b>	<b>9.0200e-003</b>	<b>0.0000</b>	<b>9.0200e-003</b>	<b>9.0200e-003</b>		<b>142.4018</b>	<b>142.4018</b>	<b>2.7300e-003</b>	<b>2.6100e-003</b>	<b>143.2481</b>

De Anza Cove Amendment - Existing Campland Cantina - San Diego County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	-16.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	1/1/2004	1/7/2004	5	5	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

#### OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	6.00	78	0.48

#### Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

Water Exposed Area

De Anza Cove Amendment - Existing Campland Cantina - San Diego County APCD Air District, Summer

**3.2 Architectural Coating - 2004**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

De Anza Cove Amendment - Existing Campland Cantina - San Diego County APCD Air District, Summer

**3.2 Architectural Coating - 2004**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
High Turnover (Sit Down Restaurant)	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
High Turnover (Sit Down Restaurant)	9.50	7.30	7.30	8.50	72.50	19.00	37	20	43

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
High Turnover (Sit Down Restaurant)	0.609162	0.038894	0.178600	0.101308	0.013823	0.005356	0.016956	0.024628	0.001928	0.001823	0.005807	0.000764	0.000950



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**5.0 Energy Detail**

Historical Energy Use: Y

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0131	0.1187	0.0997	7.1000e-004		9.0200e-003	9.0200e-003		9.0200e-003	9.0200e-003		142.4013	142.4013	2.7300e-003	2.6100e-003	143.2475
NaturalGas Unmitigated	0.0131	0.1187	0.0997	7.1000e-004		9.0200e-003	9.0200e-003		9.0200e-003	9.0200e-003		142.4013	142.4013	2.7300e-003	2.6100e-003	143.2475

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**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
High Turnover (Sit Down Restaurant)	1210.41	0.0131	0.1187	0.0997	7.1000e-004		9.0200e-003	9.0200e-003		9.0200e-003	9.0200e-003		142.4013	142.4013	2.7300e-003	2.6100e-003	143.2475
<b>Total</b>		<b>0.0131</b>	<b>0.1187</b>	<b>0.0997</b>	<b>7.1000e-004</b>		<b>9.0200e-003</b>	<b>9.0200e-003</b>		<b>9.0200e-003</b>	<b>9.0200e-003</b>		<b>142.4013</b>	<b>142.4013</b>	<b>2.7300e-003</b>	<b>2.6100e-003</b>	<b>143.2475</b>

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
High Turnover (Sit Down Restaurant)	1.21041	0.0131	0.1187	0.0997	7.1000e-004		9.0200e-003	9.0200e-003		9.0200e-003	9.0200e-003		142.4013	142.4013	2.7300e-003	2.6100e-003	143.2475
<b>Total</b>		<b>0.0131</b>	<b>0.1187</b>	<b>0.0997</b>	<b>7.1000e-004</b>		<b>9.0200e-003</b>	<b>9.0200e-003</b>		<b>9.0200e-003</b>	<b>9.0200e-003</b>		<b>142.4013</b>	<b>142.4013</b>	<b>2.7300e-003</b>	<b>2.6100e-003</b>	<b>143.2475</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

De Anza Cove Amendment - Existing Campland Cantina - San Diego County APCD Air District, Summer

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0694	0.0000	3.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.5000e-004	5.5000e-004	0.0000		6.1000e-004
Unmitigated	0.0575	0.0000	3.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.5000e-004	5.5000e-004	0.0000		6.1000e-004

De Anza Cove Amendment - Existing Campland Cantina - San Diego County APCD Air District, Summer

**6.2 Area by SubCategory**

**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.9700e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0535					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.0000e-005	0.0000	3.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.5000e-004	5.5000e-004	0.0000		6.1000e-004
<b>Total</b>	<b>0.0575</b>	<b>0.0000</b>	<b>3.2000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>5.5000e-004</b>	<b>5.5000e-004</b>	<b>0.0000</b>		<b>6.1000e-004</b>

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0159					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0535					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.0000e-005	0.0000	3.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.5000e-004	5.5000e-004	0.0000		6.1000e-004
<b>Total</b>	<b>0.0694</b>	<b>0.0000</b>	<b>3.2000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>5.5000e-004</b>	<b>5.5000e-004</b>	<b>0.0000</b>		<b>6.1000e-004</b>

**7.0 Water Detail**

De Anza Cove Amendment - Existing Campland Cantina - San Diego County APCD Air District, Summer

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**7.1 Mitigation Measures Water****8.0 Waste Detail**

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**8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

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**Fire Pumps and Emergency Generators**

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**11.0 Vegetation**

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De Anza Cove Amendment - Existing Campland Cantina - San Diego County APCD Air District, Winter

**De Anza Cove Amendment - Existing Campland Cantina**  
**San Diego County APCD Air District, Winter**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
High Turnover (Sit Down Restaurant)	2.50	1000sqft	0.06	2,500.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	40
<b>Climate Zone</b>	13			<b>Operational Year</b>	2005
<b>Utility Company</b>	San Diego Gas & Electric				
<b>CO2 Intensity (lb/MW hr)</b>	720.49	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

De Anza Cove Amendment - Existing Campland Cantina - San Diego County APCD Air District, Winter

Project Characteristics -

Land Use - Based on existing Campland Cantina.

Construction Phase - No construction.

Off-road Equipment - No construction.

Off-road Equipment - CalEEMod defaults.

Trips and VMT -

On-road Fugitive Dust - CalEEMod defaults.

Demolition -

Grading -

Architectural Coating - no construction

Vehicle Trips - No net increase in mobile.

Woodstoves - No hearths.

Consumer Products - CalEEMod defaults.

Area Coating - In accordance with SDAPCD Rule 67.0.1.

Landscape Equipment - No net increase.

Energy Use - Historical use for existing Campland Cantina.

Water And Wastewater - CalEEMod defaults.

Solid Waste - CalEEMod defaults.

Construction Off-road Equipment Mitigation - water twice daily

Area Mitigation - In accordance with SDAPCD Rule 67.0.1.

## De Anza Cove Amendment - Existing Campland Cantina - San Diego County APCD Air District, Winter

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	1,250.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	3,750.00	0.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	100
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorV alue	100	250
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorV alue	50	250
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblVehicleTrips	ST_TR	158.37	0.00
tblVehicleTrips	SU_TR	131.84	0.00
tblVehicleTrips	WD_TR	127.15	0.00

## 2.0 Emissions Summary

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De Anza Cove Amendment - Existing Campland Cantina - San Diego County APCD Air District, Winter

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0575	0.0000	3.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.5000e-004	5.5000e-004	0.0000		6.1000e-004
Energy	0.0131	0.1187	0.0997	7.1000e-004		9.0200e-003	9.0200e-003		9.0200e-003	9.0200e-003		142.4013	142.4013	2.7300e-003	2.6100e-003	143.2475
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0706</b>	<b>0.1187</b>	<b>0.1000</b>	<b>7.1000e-004</b>	<b>0.0000</b>	<b>9.0200e-003</b>	<b>9.0200e-003</b>	<b>0.0000</b>	<b>9.0200e-003</b>	<b>9.0200e-003</b>		<b>142.4018</b>	<b>142.4018</b>	<b>2.7300e-003</b>	<b>2.6100e-003</b>	<b>143.2481</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0694	0.0000	3.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.5000e-004	5.5000e-004	0.0000		6.1000e-004
Energy	0.0131	0.1187	0.0997	7.1000e-004		9.0200e-003	9.0200e-003		9.0200e-003	9.0200e-003		142.4013	142.4013	2.7300e-003	2.6100e-003	143.2475
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0825</b>	<b>0.1187</b>	<b>0.1000</b>	<b>7.1000e-004</b>	<b>0.0000</b>	<b>9.0200e-003</b>	<b>9.0200e-003</b>	<b>0.0000</b>	<b>9.0200e-003</b>	<b>9.0200e-003</b>		<b>142.4018</b>	<b>142.4018</b>	<b>2.7300e-003</b>	<b>2.6100e-003</b>	<b>143.2481</b>

De Anza Cove Amendment - Existing Campland Cantina - San Diego County APCD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	-16.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	1/1/2004	1/7/2004	5	5	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

#### OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	6.00	78	0.48

#### Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

Water Exposed Area

De Anza Cove Amendment - Existing Campland Cantina - San Diego County APCD Air District, Winter

**3.2 Architectural Coating - 2004**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

De Anza Cove Amendment - Existing Campland Cantina - San Diego County APCD Air District, Winter

**3.2 Architectural Coating - 2004**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

**4.0 Operational Detail - Mobile**

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De Anza Cove Amendment - Existing Campland Cantina - San Diego County APCD Air District, Winter

**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
High Turnover (Sit Down Restaurant)	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
High Turnover (Sit Down Restaurant)	9.50	7.30	7.30	8.50	72.50	19.00	37	20	43

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
High Turnover (Sit Down Restaurant)	0.609162	0.038894	0.178600	0.101308	0.013823	0.005356	0.016956	0.024628	0.001928	0.001823	0.005807	0.000764	0.000950

De Anza Cove Amendment - Existing Campland Cantina - San Diego County APCD Air District, Winter

**5.0 Energy Detail**

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Historical Energy Use: Y

**5.1 Mitigation Measures Energy**

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0131	0.1187	0.0997	7.1000e-004		9.0200e-003	9.0200e-003		9.0200e-003	9.0200e-003		142.4013	142.4013	2.7300e-003	2.6100e-003	143.2475
NaturalGas Unmitigated	0.0131	0.1187	0.0997	7.1000e-004		9.0200e-003	9.0200e-003		9.0200e-003	9.0200e-003		142.4013	142.4013	2.7300e-003	2.6100e-003	143.2475

De Anza Cove Amendment - Existing Campland Cantina - San Diego County APCD Air District, Winter

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
High Turnover (Sit Down Restaurant)	1210.41	0.0131	0.1187	0.0997	7.1000e-004		9.0200e-003	9.0200e-003		9.0200e-003	9.0200e-003		142.4013	142.4013	2.7300e-003	2.6100e-003	143.2475
<b>Total</b>		<b>0.0131</b>	<b>0.1187</b>	<b>0.0997</b>	<b>7.1000e-004</b>		<b>9.0200e-003</b>	<b>9.0200e-003</b>		<b>9.0200e-003</b>	<b>9.0200e-003</b>		<b>142.4013</b>	<b>142.4013</b>	<b>2.7300e-003</b>	<b>2.6100e-003</b>	<b>143.2475</b>

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
High Turnover (Sit Down Restaurant)	1.21041	0.0131	0.1187	0.0997	7.1000e-004		9.0200e-003	9.0200e-003		9.0200e-003	9.0200e-003		142.4013	142.4013	2.7300e-003	2.6100e-003	143.2475
<b>Total</b>		<b>0.0131</b>	<b>0.1187</b>	<b>0.0997</b>	<b>7.1000e-004</b>		<b>9.0200e-003</b>	<b>9.0200e-003</b>		<b>9.0200e-003</b>	<b>9.0200e-003</b>		<b>142.4013</b>	<b>142.4013</b>	<b>2.7300e-003</b>	<b>2.6100e-003</b>	<b>143.2475</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**



De Anza Cove Amendment - Existing Campland Cantina - San Diego County APCD Air District, Winter

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0694	0.0000	3.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.5000e-004	5.5000e-004	0.0000		6.1000e-004
Unmitigated	0.0575	0.0000	3.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.5000e-004	5.5000e-004	0.0000		6.1000e-004

De Anza Cove Amendment - Existing Campland Cantina - San Diego County APCD Air District, Winter

**6.2 Area by SubCategory**

**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.9700e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0535					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.0000e-005	0.0000	3.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.5000e-004	5.5000e-004	0.0000		6.1000e-004
<b>Total</b>	<b>0.0575</b>	<b>0.0000</b>	<b>3.2000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>5.5000e-004</b>	<b>5.5000e-004</b>	<b>0.0000</b>		<b>6.1000e-004</b>

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0159					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0535					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.0000e-005	0.0000	3.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.5000e-004	5.5000e-004	0.0000		6.1000e-004
<b>Total</b>	<b>0.0694</b>	<b>0.0000</b>	<b>3.2000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>5.5000e-004</b>	<b>5.5000e-004</b>	<b>0.0000</b>		<b>6.1000e-004</b>

**7.0 Water Detail**

## De Anza Cove Amendment - Existing Campland Cantina - San Diego County APCD Air District, Winter

**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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**10.0 Stationary Equipment****Fire Pumps and Emergency Generators**

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**11.0 Vegetation**



# **APPENDIX C**

## *Construction Health Risk Assessment*



De Anza Cove Amendment - San Diego County APCD Air District, Annual

**De Anza Cove Amendment**  
**San Diego County APCD Air District, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	1.00	1000sqft	0.02	1,000.00	0
Other Asphalt Surfaces	4.13	Acre	4.13	179,902.80	0
Parking Lot	5.30	Acre	5.30	230,868.00	0
Fast Food Restaurant w/o Drive Thru	1.00	1000sqft	0.02	1,000.00	0
Quality Restaurant	5.00	1000sqft	0.11	5,000.00	0
Mobile Home Park	330.00	Dwelling Unit	41.57	396,000.00	944

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	40
<b>Climate Zone</b>	13			<b>Operational Year</b>	2027
<b>Utility Company</b>	San Diego Gas & Electric				
<b>CO2 Intensity (lb/MW hr)</b>	720.49	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics -

Land Use - Based on City provided information.

Construction Phase - CalEEMod defaults.

Off-road Equipment - CalEEMod defaults.

Off-road Equipment - CalEEMod defaults.

De Anza Cove Amendment - San Diego County APCD Air District, Annual

Off-road Equipment - CalEEMod defaults.

Off-road Equipment - CalEEMod defaults.

Off-road Equipment - CalEEMod defaults.

Off-road Equipment - CalEEMod defaults.

Trips and VMT - CalEEMod defaults, rounding up to even number of trips. Haul distance during grading phase represents onsite movement of material. There is no import or export, it is a balanced site.

On-road Fugitive Dust - CalEEMod defaults.

Demolition - Based on demolition of Campland.

Grading - 693,560 cubic yards of cut and fill, balanced on-site.

Architectural Coating - In accordance with SDAPCD Rule 67.0.1.

Vehicle Trips - No net increase in mobile.

Woodstoves - No increase in wood stove use.

Consumer Products - Consumer product use for food service land uses only.

Area Coating - Architectural coatings for food land use only.

Landscape Equipment - No net increase.

Energy Use - CalEEMod defaults for food land use and ranger station only.

Water And Wastewater - CalEEMod defaults for food land use and ranger station only.

Solid Waste - CalEEMod defaults for food land use and ranger station only.

Construction Off-road Equipment Mitigation - water twice daily

Area Mitigation - In accordance with SDAPCD Rule 67.0.1.

Stationary Sources - Emergency Generators and Fire Pumps -

Fleet Mix -

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -



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Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Parking	250	0
tblAreaCoating	Area_EF_Residential_Exterior	250	0
tblAreaCoating	Area_EF_Residential_Interior	250	0
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	0
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	0
tblEnergyUse	LightingElect	1,038.60	0.00
tblEnergyUse	NT24E	4,004.74	0.00
tblEnergyUse	NT24NG	4,180.00	0.00
tblEnergyUse	T24E	381.10	0.00
tblEnergyUse	T24NG	18,916.87	0.00
tblFireplaces	FireplaceDayYear	82.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	3,078.40	0.00
tblFireplaces	NumberGas	181.50	0.00
tblFireplaces	NumberNoFireplace	33.00	0.00
tblFireplaces	NumberWood	115.50	0.00
tblGrading	MaterialExported	0.00	693,560.00
tblGrading	MaterialImported	0.00	693,560.00
tblSolidWaste	SolidWasteGenerationRate	151.80	0.00
tblTripsAndVMT	HaulingTripLength	20.00	0.19

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tblTripsAndVMT	HaulingTripLength	20.00	0.75
tblTripsAndVMT	HaulingTripNumber	3,307.00	3,308.00
tblTripsAndVMT	VendorTripLength	7.30	0.19
tblTripsAndVMT	WorkerTripNumber	15.00	0.00
tblTripsAndVMT	WorkerTripNumber	18.00	0.00
tblTripsAndVMT	WorkerTripNumber	20.00	0.00
tblTripsAndVMT	WorkerTripNumber	413.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	0.00
tblTripsAndVMT	WorkerTripNumber	83.00	0.00
tblVehicleTrips	HO_TTP	39.60	0.00
tblVehicleTrips	HS_TTP	18.80	0.00
tblVehicleTrips	HW_TTP	41.60	100.00
tblVehicleTrips	ST_TR	696.00	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	5.00	0.00
tblVehicleTrips	ST_TR	94.36	0.00
tblVehicleTrips	SU_TR	500.00	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	4.36	0.00
tblVehicleTrips	SU_TR	72.16	0.00
tblVehicleTrips	WD_TR	716.00	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	4.99	0.00
tblVehicleTrips	WD_TR	89.95	0.00
tblWater	IndoorWaterUseRate	21,500,828.46	0.00
tblWater	OutdoorWaterUseRate	13,554,870.11	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00

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**2.0 Emissions Summary**

**2.1 Overall Construction**

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.6300	13.6481	4.6212	0.0171	1.3563	0.2312	1.5874	0.4822	0.2138	0.6960	0.0000	1,626.5907	1,626.5907	0.3398	0.0000	1,635.0850
2022	0.2395	2.8233	2.3136	4.2900e-003	2.6800e-003	0.1056	0.1082	8.1000e-004	0.0993	0.1001	0.0000	378.4648	378.4648	0.0847	0.0000	380.5833
2023	0.2185	2.5701	2.2784	4.2600e-003	2.6800e-003	0.0912	0.0939	8.1000e-004	0.0858	0.0866	0.0000	375.9768	375.9768	0.0822	0.0000	378.0313
2024	0.2062	2.4603	2.2762	4.2800e-003	2.7000e-003	0.0806	0.0833	8.2000e-004	0.0758	0.0766	0.0000	378.0154	378.0154	0.0819	0.0000	380.0636
2025	0.1912	2.3176	2.2504	4.2600e-003	2.6900e-003	0.0690	0.0717	8.1000e-004	0.0649	0.0658	0.0000	375.8275	375.8275	0.0808	0.0000	377.8469
2026	1.6981	0.5951	0.8382	1.3900e-003	2.7000e-004	0.0245	0.0248	8.0000e-005	0.0228	0.0229	0.0000	122.0058	122.0058	0.0328	0.0000	122.8260
<b>Maximum</b>	<b>1.6981</b>	<b>13.6481</b>	<b>4.6212</b>	<b>0.0171</b>	<b>1.3563</b>	<b>0.2312</b>	<b>1.5874</b>	<b>0.4822</b>	<b>0.2138</b>	<b>0.6960</b>	<b>0.0000</b>	<b>1,626.5907</b>	<b>1,626.5907</b>	<b>0.3398</b>	<b>0.0000</b>	<b>1,635.0850</b>

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**2.1 Overall Construction**

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.6300	13.6481	4.6212	0.0171	0.6423	0.2312	0.8735	0.2259	0.2138	0.4397	0.0000	1,626.590 1	1,626.590 1	0.3398	0.0000	1,635.084 4
2022	0.2395	2.8233	2.3136	4.2900e-003	2.6800e-003	0.1056	0.1082	8.1000e-004	0.0993	0.1001	0.0000	378.4644	378.4644	0.0847	0.0000	380.5829
2023	0.2185	2.5701	2.2784	4.2600e-003	2.6800e-003	0.0912	0.0939	8.1000e-004	0.0858	0.0866	0.0000	375.9765	375.9765	0.0822	0.0000	378.0310
2024	0.2062	2.4603	2.2762	4.2800e-003	2.7000e-003	0.0806	0.0833	8.2000e-004	0.0758	0.0766	0.0000	378.0150	378.0150	0.0819	0.0000	380.0632
2025	0.1912	2.3176	2.2504	4.2600e-003	2.6900e-003	0.0690	0.0717	8.1000e-004	0.0649	0.0658	0.0000	375.8271	375.8271	0.0808	0.0000	377.8465
2026	1.6981	0.5951	0.8382	1.3900e-003	2.7000e-004	0.0245	0.0248	8.0000e-005	0.0228	0.0229	0.0000	122.0057	122.0057	0.0328	0.0000	122.8259
<b>Maximum</b>	<b>1.6981</b>	<b>13.6481</b>	<b>4.6212</b>	<b>0.0171</b>	<b>0.6423</b>	<b>0.2312</b>	<b>0.8735</b>	<b>0.2259</b>	<b>0.2138</b>	<b>0.4397</b>	<b>0.0000</b>	<b>1,626.590 1</b>	<b>1,626.590 1</b>	<b>0.3398</b>	<b>0.0000</b>	<b>1,635.084 4</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>52.22</b>	<b>0.00</b>	<b>36.25</b>	<b>52.79</b>	<b>0.00</b>	<b>24.46</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2021	3-31-2021	1.2545	1.2545
2	4-1-2021	6-30-2021	3.0321	3.0321
3	7-1-2021	9-30-2021	6.9254	6.9254
4	10-1-2021	12-31-2021	3.0946	3.0946
5	1-1-2022	3-31-2022	0.7541	0.7541

## De Anza Cove Amendment - San Diego County APCD Air District, Annual

6	4-1-2022	6-30-2022	0.7676	0.7676
7	7-1-2022	9-30-2022	0.7760	0.7760
8	10-1-2022	12-31-2022	0.7709	0.7709
9	1-1-2023	3-31-2023	0.6872	0.6872
10	4-1-2023	6-30-2023	0.6985	0.6985
11	7-1-2023	9-30-2023	0.7062	0.7062
12	10-1-2023	12-31-2023	0.7025	0.7025
13	1-1-2024	3-31-2024	0.6593	0.6593
14	4-1-2024	6-30-2024	0.6629	0.6629
15	7-1-2024	9-30-2024	0.6702	0.6702
16	10-1-2024	12-31-2024	0.6665	0.6665
17	1-1-2025	3-31-2025	0.6158	0.6158
18	4-1-2025	6-30-2025	0.6261	0.6261
19	7-1-2025	9-30-2025	0.6330	0.6330
20	10-1-2025	12-31-2025	0.6294	0.6294
21	1-1-2026	3-31-2026	0.4352	0.4352
22	4-1-2026	6-30-2026	0.8172	0.8172
23	7-1-2026	9-30-2026	1.0372	1.0372
		Highest	6.9254	6.9254

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**2.2 Overall Operational**  
**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.6555	0.0282	2.4481	1.3000e-004		0.0136	0.0136		0.0136	0.0136	0.0000	4.0028	4.0028	3.8300e-003	0.0000	4.0986
Energy	5.7500e-003	0.0523	0.0439	3.1000e-004		3.9700e-003	3.9700e-003		3.9700e-003	3.9700e-003	0.0000	163.5956	163.5956	5.3800e-003	1.9300e-003	164.3059
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	3.4529	0.0000	3.4529	0.2041	0.0000	8.5544
Water						0.0000	0.0000		0.0000	0.0000	0.6342	9.3238	9.9580	0.0655	1.6200e-003	12.0772
<b>Total</b>	<b>1.6613</b>	<b>0.0805</b>	<b>2.4920</b>	<b>4.4000e-004</b>	<b>0.0000</b>	<b>0.0176</b>	<b>0.0176</b>	<b>0.0000</b>	<b>0.0176</b>	<b>0.0176</b>	<b>4.0871</b>	<b>176.9222</b>	<b>181.0093</b>	<b>0.2788</b>	<b>3.5500e-003</b>	<b>189.0361</b>

De Anza Cove Amendment - San Diego County APCD Air District, Annual

**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.6555	0.0282	2.4481	1.3000e-004		0.0136	0.0136		0.0136	0.0136	0.0000	4.0028	4.0028	3.8300e-003	0.0000	4.0986
Energy	5.7500e-003	0.0523	0.0439	3.1000e-004		3.9700e-003	3.9700e-003		3.9700e-003	3.9700e-003	0.0000	163.5956	163.5956	5.3800e-003	1.9300e-003	164.3059
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	3.4529	0.0000	3.4529	0.2041	0.0000	8.5544
Water						0.0000	0.0000		0.0000	0.0000	0.6342	9.3238	9.9580	0.0655	1.6200e-003	12.0772
<b>Total</b>	<b>1.6613</b>	<b>0.0805</b>	<b>2.4920</b>	<b>4.4000e-004</b>	<b>0.0000</b>	<b>0.0176</b>	<b>0.0176</b>	<b>0.0000</b>	<b>0.0176</b>	<b>0.0176</b>	<b>4.0871</b>	<b>176.9222</b>	<b>181.0093</b>	<b>0.2788</b>	<b>3.5500e-003</b>	<b>189.0361</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**3.0 Construction Detail**

**Construction Phase**

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2021	4/8/2021	5	70	
2	Site Preparation	Site Preparation	4/9/2021	6/3/2021	5	40	
3	Grading	Grading	6/4/2021	11/4/2021	5	110	
4	Building Construction	Building Construction	11/5/2021	2/5/2026	5	1110	
5	Paving	Paving	2/6/2026	5/21/2026	5	75	
6	Architectural Coating	Architectural Coating	5/22/2026	9/3/2026	5	75	

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 275**

**Acres of Paving: 9.43**

**Residential Indoor: 801,900; Residential Outdoor: 267,300; Non-Residential Indoor: 10,500; Non-Residential Outdoor: 3,500; Striped Parking Area: 24,646 (Architectural Coating – sqft)**

**OffRoad Equipment**



## De Anza Cove Amendment - San Diego County APCD Air District, Annual

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

Trips and VMT

De Anza Cove Amendment - San Diego County APCD Air District, Annual

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	0.00	0.00	3,308.00	10.80	7.30	0.19	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	0.00	0.00	173,390.00	10.80	7.30	0.75	LD_Mix	HDT_Mix	HHDT
Building Construction	9	0.00	104.00	0.00	10.80	0.19	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

**3.2 Demolition - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3623	0.0000	0.3623	0.0549	0.0000	0.0549	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1108	1.1004	0.7548	1.3600e-003		0.0543	0.0543		0.0504	0.0504	0.0000	119.0028	119.0028	0.0335	0.0000	119.8401
<b>Total</b>	<b>0.1108</b>	<b>1.1004</b>	<b>0.7548</b>	<b>1.3600e-003</b>	<b>0.3623</b>	<b>0.0543</b>	<b>0.4166</b>	<b>0.0549</b>	<b>0.0504</b>	<b>0.1053</b>	<b>0.0000</b>	<b>119.0028</b>	<b>119.0028</b>	<b>0.0335</b>	<b>0.0000</b>	<b>119.8401</b>

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**3.2 Demolition - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.9000e-003	0.1552	0.0234	1.7000e-004	3.0000e-004	1.0000e-004	4.0000e-004	9.0000e-005	9.0000e-005	1.8000e-004	0.0000	17.2253	17.2253	3.0300e-003	0.0000	17.3010
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>2.9000e-003</b>	<b>0.1552</b>	<b>0.0234</b>	<b>1.7000e-004</b>	<b>3.0000e-004</b>	<b>1.0000e-004</b>	<b>4.0000e-004</b>	<b>9.0000e-005</b>	<b>9.0000e-005</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>17.2253</b>	<b>17.2253</b>	<b>3.0300e-003</b>	<b>0.0000</b>	<b>17.3010</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1630	0.0000	0.1630	0.0247	0.0000	0.0247	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1108	1.1004	0.7548	1.3600e-003		0.0543	0.0543		0.0504	0.0504	0.0000	119.0026	119.0026	0.0335	0.0000	119.8400
<b>Total</b>	<b>0.1108</b>	<b>1.1004</b>	<b>0.7548</b>	<b>1.3600e-003</b>	<b>0.1630</b>	<b>0.0543</b>	<b>0.2173</b>	<b>0.0247</b>	<b>0.0504</b>	<b>0.0751</b>	<b>0.0000</b>	<b>119.0026</b>	<b>119.0026</b>	<b>0.0335</b>	<b>0.0000</b>	<b>119.8400</b>

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**3.2 Demolition - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.9000e-003	0.1552	0.0234	1.7000e-004	3.0000e-004	1.0000e-004	4.0000e-004	9.0000e-005	9.0000e-005	1.8000e-004	0.0000	17.2253	17.2253	3.0300e-003	0.0000	17.3010
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>2.9000e-003</b>	<b>0.1552</b>	<b>0.0234</b>	<b>1.7000e-004</b>	<b>3.0000e-004</b>	<b>1.0000e-004</b>	<b>4.0000e-004</b>	<b>9.0000e-005</b>	<b>9.0000e-005</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>17.2253</b>	<b>17.2253</b>	<b>3.0300e-003</b>	<b>0.0000</b>	<b>17.3010</b>

**3.3 Site Preparation - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3613	0.0000	0.3613	0.1986	0.0000	0.1986	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0778	0.8099	0.4231	7.6000e-004		0.0409	0.0409		0.0376	0.0376	0.0000	66.8714	66.8714	0.0216	0.0000	67.4121
<b>Total</b>	<b>0.0778</b>	<b>0.8099</b>	<b>0.4231</b>	<b>7.6000e-004</b>	<b>0.3613</b>	<b>0.0409</b>	<b>0.4022</b>	<b>0.1986</b>	<b>0.0376</b>	<b>0.2362</b>	<b>0.0000</b>	<b>66.8714</b>	<b>66.8714</b>	<b>0.0216</b>	<b>0.0000</b>	<b>67.4121</b>

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**3.3 Site Preparation - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1626	0.0000	0.1626	0.0894	0.0000	0.0894	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0778	0.8099	0.4231	7.6000e-004		0.0409	0.0409		0.0376	0.0376	0.0000	66.8714	66.8714	0.0216	0.0000	67.4120
<b>Total</b>	<b>0.0778</b>	<b>0.8099</b>	<b>0.4231</b>	<b>7.6000e-004</b>	<b>0.1626</b>	<b>0.0409</b>	<b>0.2035</b>	<b>0.0894</b>	<b>0.0376</b>	<b>0.1270</b>	<b>0.0000</b>	<b>66.8714</b>	<b>66.8714</b>	<b>0.0216</b>	<b>0.0000</b>	<b>67.4120</b>

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**3.3 Site Preparation - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**3.4 Grading - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.5745	0.0000	0.5745	0.2126	0.0000	0.2126	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2305	2.5520	1.6983	3.4100e-003		0.1092	0.1092		0.1005	0.1005	0.0000	299.7224	299.7224	0.0969	0.0000	302.1458
<b>Total</b>	<b>0.2305</b>	<b>2.5520</b>	<b>1.6983</b>	<b>3.4100e-003</b>	<b>0.5745</b>	<b>0.1092</b>	<b>0.6837</b>	<b>0.2126</b>	<b>0.1005</b>	<b>0.3130</b>	<b>0.0000</b>	<b>299.7224</b>	<b>299.7224</b>	<b>0.0969</b>	<b>0.0000</b>	<b>302.1458</b>

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**3.4 Grading - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.1661	8.5446	1.3501	0.0107	0.0574	6.9800e-003	0.0644	0.0159	6.6800e-003	0.0226	0.0000	1,064.0005	1,064.0005	0.1711	0.0000	1,068.2784
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.1661</b>	<b>8.5446</b>	<b>1.3501</b>	<b>0.0107</b>	<b>0.0574</b>	<b>6.9800e-003</b>	<b>0.0644</b>	<b>0.0159</b>	<b>6.6800e-003</b>	<b>0.0226</b>	<b>0.0000</b>	<b>1,064.0005</b>	<b>1,064.0005</b>	<b>0.1711</b>	<b>0.0000</b>	<b>1,068.2784</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2585	0.0000	0.2585	0.0957	0.0000	0.0957	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2305	2.5520	1.6983	3.4100e-003		0.1092	0.1092		0.1005	0.1005	0.0000	299.7220	299.7220	0.0969	0.0000	302.1455
<b>Total</b>	<b>0.2305</b>	<b>2.5520</b>	<b>1.6983</b>	<b>3.4100e-003</b>	<b>0.2585</b>	<b>0.1092</b>	<b>0.3677</b>	<b>0.0957</b>	<b>0.1005</b>	<b>0.1961</b>	<b>0.0000</b>	<b>299.7220</b>	<b>299.7220</b>	<b>0.0969</b>	<b>0.0000</b>	<b>302.1455</b>

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**3.4 Grading - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.1661	8.5446	1.3501	0.0107	0.0574	6.9800e-003	0.0644	0.0159	6.6800e-003	0.0226	0.0000	1,064.0005	1,064.0005	0.1711	0.0000	1,068.2784
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.1661</b>	<b>8.5446</b>	<b>1.3501</b>	<b>0.0107</b>	<b>0.0574</b>	<b>6.9800e-003</b>	<b>0.0644</b>	<b>0.0159</b>	<b>6.6800e-003</b>	<b>0.0226</b>	<b>0.0000</b>	<b>1,064.0005</b>	<b>1,064.0005</b>	<b>0.1711</b>	<b>0.0000</b>	<b>1,068.2784</b>

**3.5 Building Construction - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0390	0.3574	0.3398	5.5000e-004		0.0197	0.0197		0.0185	0.0185	0.0000	47.4856	47.4856	0.0115	0.0000	47.7721
<b>Total</b>	<b>0.0390</b>	<b>0.3574</b>	<b>0.3398</b>	<b>5.5000e-004</b>		<b>0.0197</b>	<b>0.0197</b>		<b>0.0185</b>	<b>0.0185</b>	<b>0.0000</b>	<b>47.4856</b>	<b>47.4856</b>	<b>0.0115</b>	<b>0.0000</b>	<b>47.7721</b>



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**3.5 Building Construction - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0200e-003	0.1286	0.0317	1.3000e-004	4.2000e-004	7.0000e-005	5.0000e-004	1.3000e-004	7.0000e-005	2.0000e-004	0.0000	12.2828	12.2828	2.1100e-003	0.0000	12.3356
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>3.0200e-003</b>	<b>0.1286</b>	<b>0.0317</b>	<b>1.3000e-004</b>	<b>4.2000e-004</b>	<b>7.0000e-005</b>	<b>5.0000e-004</b>	<b>1.3000e-004</b>	<b>7.0000e-005</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>12.2828</b>	<b>12.2828</b>	<b>2.1100e-003</b>	<b>0.0000</b>	<b>12.3356</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0390	0.3574	0.3398	5.5000e-004		0.0197	0.0197		0.0185	0.0185	0.0000	47.4856	47.4856	0.0115	0.0000	47.7720
<b>Total</b>	<b>0.0390</b>	<b>0.3574</b>	<b>0.3398</b>	<b>5.5000e-004</b>		<b>0.0197</b>	<b>0.0197</b>		<b>0.0185</b>	<b>0.0185</b>	<b>0.0000</b>	<b>47.4856</b>	<b>47.4856</b>	<b>0.0115</b>	<b>0.0000</b>	<b>47.7720</b>

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**3.5 Building Construction - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0200e-003	0.1286	0.0317	1.3000e-004	4.2000e-004	7.0000e-005	5.0000e-004	1.3000e-004	7.0000e-005	2.0000e-004	0.0000	12.2828	12.2828	2.1100e-003	0.0000	12.3356
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>3.0200e-003</b>	<b>0.1286</b>	<b>0.0317</b>	<b>1.3000e-004</b>	<b>4.2000e-004</b>	<b>7.0000e-005</b>	<b>5.0000e-004</b>	<b>1.3000e-004</b>	<b>7.0000e-005</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>12.2828</b>	<b>12.2828</b>	<b>2.1100e-003</b>	<b>0.0000</b>	<b>12.3356</b>

**3.5 Building Construction - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2218	2.0300	2.1272	3.5000e-003		0.1052	0.1052		0.0990	0.0990	0.0000	301.2428	301.2428	0.0722	0.0000	303.0471
<b>Total</b>	<b>0.2218</b>	<b>2.0300</b>	<b>2.1272</b>	<b>3.5000e-003</b>		<b>0.1052</b>	<b>0.1052</b>		<b>0.0990</b>	<b>0.0990</b>	<b>0.0000</b>	<b>301.2428</b>	<b>301.2428</b>	<b>0.0722</b>	<b>0.0000</b>	<b>303.0471</b>

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**3.5 Building Construction - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0176	0.7933	0.1864	7.8000e-004	2.6800e-003	3.9000e-004	3.0700e-003	8.1000e-004	3.7000e-004	1.1800e-003	0.0000	77.2220	77.2220	0.0126	0.0000	77.5363
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0176</b>	<b>0.7933</b>	<b>0.1864</b>	<b>7.8000e-004</b>	<b>2.6800e-003</b>	<b>3.9000e-004</b>	<b>3.0700e-003</b>	<b>8.1000e-004</b>	<b>3.7000e-004</b>	<b>1.1800e-003</b>	<b>0.0000</b>	<b>77.2220</b>	<b>77.2220</b>	<b>0.0126</b>	<b>0.0000</b>	<b>77.5363</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2218	2.0300	2.1272	3.5000e-003		0.1052	0.1052		0.0990	0.0990	0.0000	301.2425	301.2425	0.0722	0.0000	303.0467
<b>Total</b>	<b>0.2218</b>	<b>2.0300</b>	<b>2.1272</b>	<b>3.5000e-003</b>		<b>0.1052</b>	<b>0.1052</b>		<b>0.0990</b>	<b>0.0990</b>	<b>0.0000</b>	<b>301.2425</b>	<b>301.2425</b>	<b>0.0722</b>	<b>0.0000</b>	<b>303.0467</b>

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**3.5 Building Construction - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0176	0.7933	0.1864	7.8000e-004	2.6800e-003	3.9000e-004	3.0700e-003	8.1000e-004	3.7000e-004	1.1800e-003	0.0000	77.2220	77.2220	0.0126	0.0000	77.5363
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0176</b>	<b>0.7933</b>	<b>0.1864</b>	<b>7.8000e-004</b>	<b>2.6800e-003</b>	<b>3.9000e-004</b>	<b>3.0700e-003</b>	<b>8.1000e-004</b>	<b>3.7000e-004</b>	<b>1.1800e-003</b>	<b>0.0000</b>	<b>77.2220</b>	<b>77.2220</b>	<b>0.0126</b>	<b>0.0000</b>	<b>77.5363</b>

**3.5 Building Construction - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3462	301.3462	0.0717	0.0000	303.1383
<b>Total</b>	<b>0.2045</b>	<b>1.8700</b>	<b>2.1117</b>	<b>3.5000e-003</b>		<b>0.0910</b>	<b>0.0910</b>		<b>0.0856</b>	<b>0.0856</b>	<b>0.0000</b>	<b>301.3462</b>	<b>301.3462</b>	<b>0.0717</b>	<b>0.0000</b>	<b>303.1383</b>

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**3.5 Building Construction - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0140	0.7000	0.1666	7.5000e-004	2.6800e-003	2.4000e-004	2.9200e-003	8.1000e-004	2.2000e-004	1.0300e-003	0.0000	74.6307	74.6307	0.0105	0.0000	74.8930
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0140</b>	<b>0.7000</b>	<b>0.1666</b>	<b>7.5000e-004</b>	<b>2.6800e-003</b>	<b>2.4000e-004</b>	<b>2.9200e-003</b>	<b>8.1000e-004</b>	<b>2.2000e-004</b>	<b>1.0300e-003</b>	<b>0.0000</b>	<b>74.6307</b>	<b>74.6307</b>	<b>0.0105</b>	<b>0.0000</b>	<b>74.8930</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3458	301.3458	0.0717	0.0000	303.1380
<b>Total</b>	<b>0.2045</b>	<b>1.8700</b>	<b>2.1117</b>	<b>3.5000e-003</b>		<b>0.0910</b>	<b>0.0910</b>		<b>0.0856</b>	<b>0.0856</b>	<b>0.0000</b>	<b>301.3458</b>	<b>301.3458</b>	<b>0.0717</b>	<b>0.0000</b>	<b>303.1380</b>

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**3.5 Building Construction - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0140	0.7000	0.1666	7.5000e-004	2.6800e-003	2.4000e-004	2.9200e-003	8.1000e-004	2.2000e-004	1.0300e-003	0.0000	74.6307	74.6307	0.0105	0.0000	74.8930
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0140</b>	<b>0.7000</b>	<b>0.1666</b>	<b>7.5000e-004</b>	<b>2.6800e-003</b>	<b>2.4000e-004</b>	<b>2.9200e-003</b>	<b>8.1000e-004</b>	<b>2.2000e-004</b>	<b>1.0300e-003</b>	<b>0.0000</b>	<b>74.6307</b>	<b>74.6307</b>	<b>0.0105</b>	<b>0.0000</b>	<b>74.8930</b>

**3.5 Building Construction - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7223	303.7223	0.0718	0.0000	305.5179
<b>Total</b>	<b>0.1928</b>	<b>1.7611</b>	<b>2.1179</b>	<b>3.5300e-003</b>		<b>0.0803</b>	<b>0.0803</b>		<b>0.0756</b>	<b>0.0756</b>	<b>0.0000</b>	<b>303.7223</b>	<b>303.7223</b>	<b>0.0718</b>	<b>0.0000</b>	<b>305.5179</b>

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**3.5 Building Construction - 2024**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0134	0.6992	0.1584	7.5000e-004	2.7000e-003	2.2000e-004	2.9200e-003	8.2000e-004	2.1000e-004	1.0200e-003	0.0000	74.2931	74.2931	0.0101	0.0000	74.5457
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0134</b>	<b>0.6992</b>	<b>0.1584</b>	<b>7.5000e-004</b>	<b>2.7000e-003</b>	<b>2.2000e-004</b>	<b>2.9200e-003</b>	<b>8.2000e-004</b>	<b>2.1000e-004</b>	<b>1.0200e-003</b>	<b>0.0000</b>	<b>74.2931</b>	<b>74.2931</b>	<b>0.0101</b>	<b>0.0000</b>	<b>74.5457</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175
<b>Total</b>	<b>0.1928</b>	<b>1.7611</b>	<b>2.1179</b>	<b>3.5300e-003</b>		<b>0.0803</b>	<b>0.0803</b>		<b>0.0756</b>	<b>0.0756</b>	<b>0.0000</b>	<b>303.7220</b>	<b>303.7220</b>	<b>0.0718</b>	<b>0.0000</b>	<b>305.5175</b>

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**3.5 Building Construction - 2024**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0134	0.6992	0.1584	7.5000e-004	2.7000e-003	2.2000e-004	2.9200e-003	8.2000e-004	2.1000e-004	1.0200e-003	0.0000	74.2931	74.2931	0.0101	0.0000	74.5457
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0134</b>	<b>0.6992</b>	<b>0.1584</b>	<b>7.5000e-004</b>	<b>2.7000e-003</b>	<b>2.2000e-004</b>	<b>2.9200e-003</b>	<b>8.2000e-004</b>	<b>2.1000e-004</b>	<b>1.0200e-003</b>	<b>0.0000</b>	<b>74.2931</b>	<b>74.2931</b>	<b>0.0101</b>	<b>0.0000</b>	<b>74.5457</b>

**3.5 Building Construction - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
<b>Total</b>	<b>0.1785</b>	<b>1.6273</b>	<b>2.0991</b>	<b>3.5200e-003</b>		<b>0.0689</b>	<b>0.0689</b>		<b>0.0648</b>	<b>0.0648</b>	<b>0.0000</b>	<b>302.6549</b>	<b>302.6549</b>	<b>0.0711</b>	<b>0.0000</b>	<b>304.4335</b>



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**3.5 Building Construction - 2025**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0127	0.6903	0.1514	7.4000e-004	2.6900e-003	1.9000e-004	2.8800e-003	8.1000e-004	1.8000e-004	1.0000e-003	0.0000	73.1726	73.1726	9.6300e-003	0.0000	73.4133
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0127</b>	<b>0.6903</b>	<b>0.1514</b>	<b>7.4000e-004</b>	<b>2.6900e-003</b>	<b>1.9000e-004</b>	<b>2.8800e-003</b>	<b>8.1000e-004</b>	<b>1.8000e-004</b>	<b>1.0000e-003</b>	<b>0.0000</b>	<b>73.1726</b>	<b>73.1726</b>	<b>9.6300e-003</b>	<b>0.0000</b>	<b>73.4133</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
<b>Total</b>	<b>0.1784</b>	<b>1.6273</b>	<b>2.0991</b>	<b>3.5200e-003</b>		<b>0.0689</b>	<b>0.0689</b>		<b>0.0648</b>	<b>0.0648</b>	<b>0.0000</b>	<b>302.6545</b>	<b>302.6545</b>	<b>0.0711</b>	<b>0.0000</b>	<b>304.4331</b>

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**3.5 Building Construction - 2025**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0127	0.6903	0.1514	7.4000e-004	2.6900e-003	1.9000e-004	2.8800e-003	8.1000e-004	1.8000e-004	1.0000e-003	0.0000	73.1726	73.1726	9.6300e-003	0.0000	73.4133
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0127</b>	<b>0.6903</b>	<b>0.1514</b>	<b>7.4000e-004</b>	<b>2.6900e-003</b>	<b>1.9000e-004</b>	<b>2.8800e-003</b>	<b>8.1000e-004</b>	<b>1.8000e-004</b>	<b>1.0000e-003</b>	<b>0.0000</b>	<b>73.1726</b>	<b>73.1726</b>	<b>9.6300e-003</b>	<b>0.0000</b>	<b>73.4133</b>

**3.5 Building Construction - 2026**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0178	0.1621	0.2091	3.5000e-004		6.8600e-003	6.8600e-003		6.4500e-003	6.4500e-003	0.0000	30.1495	30.1495	7.0900e-003	0.0000	30.3267
<b>Total</b>	<b>0.0178</b>	<b>0.1621</b>	<b>0.2091</b>	<b>3.5000e-004</b>		<b>6.8600e-003</b>	<b>6.8600e-003</b>		<b>6.4500e-003</b>	<b>6.4500e-003</b>	<b>0.0000</b>	<b>30.1495</b>	<b>30.1495</b>	<b>7.0900e-003</b>	<b>0.0000</b>	<b>30.3267</b>

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**3.5 Building Construction - 2026**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.2200e-003	0.0682	0.0146	7.0000e-005	2.7000e-004	2.0000e-005	2.9000e-004	8.0000e-005	2.0000e-005	1.0000e-004	0.0000	7.2094	7.2094	9.2000e-004	0.0000	7.2324
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>1.2200e-003</b>	<b>0.0682</b>	<b>0.0146</b>	<b>7.0000e-005</b>	<b>2.7000e-004</b>	<b>2.0000e-005</b>	<b>2.9000e-004</b>	<b>8.0000e-005</b>	<b>2.0000e-005</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>7.2094</b>	<b>7.2094</b>	<b>9.2000e-004</b>	<b>0.0000</b>	<b>7.2324</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0178	0.1621	0.2091	3.5000e-004		6.8600e-003	6.8600e-003		6.4500e-003	6.4500e-003	0.0000	30.1495	30.1495	7.0900e-003	0.0000	30.3267
<b>Total</b>	<b>0.0178</b>	<b>0.1621</b>	<b>0.2091</b>	<b>3.5000e-004</b>		<b>6.8600e-003</b>	<b>6.8600e-003</b>		<b>6.4500e-003</b>	<b>6.4500e-003</b>	<b>0.0000</b>	<b>30.1495</b>	<b>30.1495</b>	<b>7.0900e-003</b>	<b>0.0000</b>	<b>30.3267</b>

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**3.5 Building Construction - 2026**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.2200e-003	0.0682	0.0146	7.0000e-005	2.7000e-004	2.0000e-005	2.9000e-004	8.0000e-005	2.0000e-005	1.0000e-004	0.0000	7.2094	7.2094	9.2000e-004	0.0000	7.2324
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>1.2200e-003</b>	<b>0.0682</b>	<b>0.0146</b>	<b>7.0000e-005</b>	<b>2.7000e-004</b>	<b>2.0000e-005</b>	<b>2.9000e-004</b>	<b>8.0000e-005</b>	<b>2.0000e-005</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>7.2094</b>	<b>7.2094</b>	<b>9.2000e-004</b>	<b>0.0000</b>	<b>7.2324</b>

**3.6 Paving - 2026**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0343	0.3218	0.5467	8.5000e-004		0.0157	0.0157		0.0144	0.0144	0.0000	75.0722	75.0722	0.0243	0.0000	75.6792
Paving	0.0124					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0467</b>	<b>0.3218</b>	<b>0.5467</b>	<b>8.5000e-004</b>		<b>0.0157</b>	<b>0.0157</b>		<b>0.0144</b>	<b>0.0144</b>	<b>0.0000</b>	<b>75.0722</b>	<b>75.0722</b>	<b>0.0243</b>	<b>0.0000</b>	<b>75.6792</b>

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**3.6 Paving - 2026**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0343	0.3218	0.5467	8.5000e-004		0.0157	0.0157		0.0144	0.0144	0.0000	75.0721	75.0721	0.0243	0.0000	75.6791
Paving	0.0124					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0467</b>	<b>0.3218</b>	<b>0.5467</b>	<b>8.5000e-004</b>		<b>0.0157</b>	<b>0.0157</b>		<b>0.0144</b>	<b>0.0144</b>	<b>0.0000</b>	<b>75.0721</b>	<b>75.0721</b>	<b>0.0243</b>	<b>0.0000</b>	<b>75.6791</b>

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**3.6 Paving - 2026**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**3.7 Architectural Coating - 2026**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.6261					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.4100e-003	0.0430	0.0678	1.1000e-004		1.9300e-003	1.9300e-003		1.9300e-003	1.9300e-003	0.0000	9.5747	9.5747	5.2000e-004	0.0000	9.5878
<b>Total</b>	<b>1.6325</b>	<b>0.0430</b>	<b>0.0678</b>	<b>1.1000e-004</b>		<b>1.9300e-003</b>	<b>1.9300e-003</b>		<b>1.9300e-003</b>	<b>1.9300e-003</b>	<b>0.0000</b>	<b>9.5747</b>	<b>9.5747</b>	<b>5.2000e-004</b>	<b>0.0000</b>	<b>9.5878</b>

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**3.7 Architectural Coating - 2026**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.6261					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.4100e-003	0.0430	0.0678	1.1000e-004		1.9300e-003	1.9300e-003		1.9300e-003	1.9300e-003	0.0000	9.5747	9.5747	5.2000e-004	0.0000	9.5878
<b>Total</b>	<b>1.6325</b>	<b>0.0430</b>	<b>0.0678</b>	<b>1.1000e-004</b>		<b>1.9300e-003</b>	<b>1.9300e-003</b>		<b>1.9300e-003</b>	<b>1.9300e-003</b>	<b>0.0000</b>	<b>9.5747</b>	<b>9.5747</b>	<b>5.2000e-004</b>	<b>0.0000</b>	<b>9.5878</b>

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**3.7 Architectural Coating - 2026**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**



De Anza Cove Amendment - San Diego County APCD Air District, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Fast Food Restaurant w/o Drive Thru	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Mobile Home Park	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Quality Restaurant	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

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Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Fast Food Restaurant w/o Drive	9.50	7.30	7.30	1.50	79.50	19.00	51	37	12
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Mobile Home Park	10.80	7.30	7.50	100.00	0.00	0.00	86	11	3
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Quality Restaurant	9.50	7.30	7.30	12.00	69.00	19.00	38	18	44

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Fast Food Restaurant w/o Drive Thru	0.613162	0.038013	0.177872	0.099323	0.012979	0.005313	0.017297	0.024998	0.001928	0.001754	0.005717	0.000774	0.000870
General Office Building	0.613162	0.038013	0.177872	0.099323	0.012979	0.005313	0.017297	0.024998	0.001928	0.001754	0.005717	0.000774	0.000870
Mobile Home Park	0.613162	0.038013	0.177872	0.099323	0.012979	0.005313	0.017297	0.024998	0.001928	0.001754	0.005717	0.000774	0.000870
Other Asphalt Surfaces	0.613162	0.038013	0.177872	0.099323	0.012979	0.005313	0.017297	0.024998	0.001928	0.001754	0.005717	0.000774	0.000870
Parking Lot	0.613162	0.038013	0.177872	0.099323	0.012979	0.005313	0.017297	0.024998	0.001928	0.001754	0.005717	0.000774	0.000870
Quality Restaurant	0.613162	0.038013	0.177872	0.099323	0.012979	0.005313	0.017297	0.024998	0.001928	0.001754	0.005717	0.000774	0.000870

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Electricity Mitigated							0.0000	0.0000		0.0000	0.0000	106.6847	106.6847	4.2900e-003	8.9000e-004	107.0568	
Electricity Unmitigated							0.0000	0.0000		0.0000	0.0000	106.6847	106.6847	4.2900e-003	8.9000e-004	107.0568	
NaturalGas Mitigated	5.7500e-003	0.0523	0.0439	3.1000e-004			3.9700e-003	3.9700e-003		3.9700e-003	3.9700e-003	0.0000	56.9109	56.9109	1.0900e-003	1.0400e-003	57.2491
NaturalGas Unmitigated	5.7500e-003	0.0523	0.0439	3.1000e-004			3.9700e-003	3.9700e-003		3.9700e-003	3.9700e-003	0.0000	56.9109	56.9109	1.0900e-003	1.0400e-003	57.2491

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**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Fast Food Restaurant w/o Drive Thru	174380	9.4000e-004	8.5500e-003	7.1800e-003	5.0000e-005		6.5000e-004	6.5000e-004		6.5000e-004	6.5000e-004	0.0000	9.3056	9.3056	1.8000e-004	1.7000e-004	9.3609
General Office Building	20190	1.1000e-004	9.9000e-004	8.3000e-004	1.0000e-005		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	1.0774	1.0774	2.0000e-005	2.0000e-005	1.0838
Mobile Home Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Quality Restaurant	871900	4.7000e-003	0.0427	0.0359	2.6000e-004		3.2500e-003	3.2500e-003		3.2500e-003	3.2500e-003	0.0000	46.5279	46.5279	8.9000e-004	8.5000e-004	46.8044
<b>Total</b>		<b>5.7500e-003</b>	<b>0.0523</b>	<b>0.0439</b>	<b>3.2000e-004</b>		<b>3.9800e-003</b>	<b>3.9800e-003</b>		<b>3.9800e-003</b>	<b>3.9800e-003</b>	<b>0.0000</b>	<b>56.9109</b>	<b>56.9109</b>	<b>1.0900e-003</b>	<b>1.0400e-003</b>	<b>57.2491</b>

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**5.2 Energy by Land Use - NaturalGas**

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Fast Food Restaurant w/o Drive Thru	174380	9.4000e-004	8.5500e-003	7.1800e-003	5.0000e-005		6.5000e-004	6.5000e-004		6.5000e-004	6.5000e-004	0.0000	9.3056	9.3056	1.8000e-004	1.7000e-004	9.3609
General Office Building	20190	1.1000e-004	9.9000e-004	8.3000e-004	1.0000e-005		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	1.0774	1.0774	2.0000e-005	2.0000e-005	1.0838
Mobile Home Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Quality Restaurant	871900	4.7000e-003	0.0427	0.0359	2.6000e-004		3.2500e-003	3.2500e-003		3.2500e-003	3.2500e-003	0.0000	46.5279	46.5279	8.9000e-004	8.5000e-004	46.8044
<b>Total</b>		<b>5.7500e-003</b>	<b>0.0523</b>	<b>0.0439</b>	<b>3.2000e-004</b>		<b>3.9800e-003</b>	<b>3.9800e-003</b>		<b>3.9800e-003</b>	<b>3.9800e-003</b>	<b>0.0000</b>	<b>56.9109</b>	<b>56.9109</b>	<b>1.0900e-003</b>	<b>1.0400e-003</b>	<b>57.2491</b>

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**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Fast Food Restaurant w/o Drive Thru	38700	12.6475	5.1000e-004	1.1000e-004	12.6916
General Office Building	13440	4.3923	1.8000e-004	4.0000e-005	4.4076
Mobile Home Park	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	80803.8	26.4074	1.0600e-003	2.2000e-004	26.4995
Quality Restaurant	193500	63.2375	2.5500e-003	5.3000e-004	63.4581
<b>Total</b>		<b>106.6847</b>	<b>4.3000e-003</b>	<b>9.0000e-004</b>	<b>107.0568</b>

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**5.3 Energy by Land Use - Electricity**

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Fast Food Restaurant w/o Drive Thru	38700	12.6475	5.1000e-004	1.1000e-004	12.6916
General Office Building	13440	4.3923	1.8000e-004	4.0000e-005	4.4076
Mobile Home Park	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	80803.8	26.4074	1.0600e-003	2.2000e-004	26.4995
Quality Restaurant	193500	63.2375	2.5500e-003	5.3000e-004	63.4581
<b>Total</b>		<b>106.6847</b>	<b>4.3000e-003</b>	<b>9.0000e-004</b>	<b>107.0568</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

No Hearths Installed

De Anza Cove Amendment - San Diego County APCD Air District, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.6555	0.0282	2.4481	1.3000e-004		0.0136	0.0136		0.0136	0.0136	0.0000	4.0028	4.0028	3.8300e-003	0.0000	4.0986
Unmitigated	1.6555	0.0282	2.4481	1.3000e-004		0.0136	0.0136		0.0136	0.0136	0.0000	4.0028	4.0028	3.8300e-003	0.0000	4.0986

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	8.1100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.5739					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0735	0.0282	2.4481	1.3000e-004		0.0136	0.0136		0.0136	0.0136	0.0000	4.0028	4.0028	3.8300e-003	0.0000	4.0986
<b>Total</b>	<b>1.6555</b>	<b>0.0282</b>	<b>2.4481</b>	<b>1.3000e-004</b>		<b>0.0136</b>	<b>0.0136</b>		<b>0.0136</b>	<b>0.0136</b>	<b>0.0000</b>	<b>4.0028</b>	<b>4.0028</b>	<b>3.8300e-003</b>	<b>0.0000</b>	<b>4.0986</b>



De Anza Cove Amendment - San Diego County APCD Air District, Annual

**6.2 Area by SubCategory**

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	8.1100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.5739					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0735	0.0282	2.4481	1.3000e-004		0.0136	0.0136		0.0136	0.0136	0.0000	4.0028	4.0028	3.8300e-003	0.0000	4.0986
<b>Total</b>	<b>1.6555</b>	<b>0.0282</b>	<b>2.4481</b>	<b>1.3000e-004</b>		<b>0.0136</b>	<b>0.0136</b>		<b>0.0136</b>	<b>0.0136</b>	<b>0.0000</b>	<b>4.0028</b>	<b>4.0028</b>	<b>3.8300e-003</b>	<b>0.0000</b>	<b>4.0986</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

De Anza Cove Amendment - San Diego County APCD Air District, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	9.9580	0.0655	1.6200e-003	12.0772
Unmitigated	9.9580	0.0655	1.6200e-003	12.0772

De Anza Cove Amendment - San Diego County APCD Air District, Annual

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Fast Food Restaurant w/o Drive Thru	0.303534 / 0.0193745	1.4583	9.9500e-003	2.4000e-004	1.7799
General Office Building	0.177734 / 0.108934	1.2082	5.8400e-003	1.5000e-004	1.3978
Mobile Home Park	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Quality Restaurant	1.51767 / 0.0968725	7.2915	0.0497	1.2200e-003	8.8995
<b>Total</b>		<b>9.9580</b>	<b>0.0655</b>	<b>1.6100e-003</b>	<b>12.0772</b>

De Anza Cove Amendment - San Diego County APCD Air District, Annual

**7.2 Water by Land Use**

**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Fast Food Restaurant w/o Drive Thru	0.303534 / 0.0193745	1.4583	9.9500e-003	2.4000e-004	1.7799
General Office Building	0.177734 / 0.108934	1.2082	5.8400e-003	1.5000e-004	1.3978
Mobile Home Park	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Quality Restaurant	1.51767 / 0.0968725	7.2915	0.0497	1.2200e-003	8.8995
<b>Total</b>		<b>9.9580</b>	<b>0.0655</b>	<b>1.6100e-003</b>	<b>12.0772</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

De Anza Cove Amendment - San Diego County APCD Air District, Annual

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	3.4529	0.2041	0.0000	8.5544
Unmitigated	3.4529	0.2041	0.0000	8.5544

De Anza Cove Amendment - San Diego County APCD Air District, Annual

**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Fast Food Restaurant w/o Drive Thru	11.52	2.3385	0.1382	0.0000	5.7934
General Office Building	0.93	0.1888	0.0112	0.0000	0.4677
Mobile Home Park	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Quality Restaurant	4.56	0.9256	0.0547	0.0000	2.2932
<b>Total</b>		<b>3.4529</b>	<b>0.2041</b>	<b>0.0000</b>	<b>8.5544</b>

De Anza Cove Amendment - San Diego County APCD Air District, Annual

**8.2 Waste by Land Use**

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Fast Food Restaurant w/o Drive Thru	11.52	2.3385	0.1382	0.0000	5.7934
General Office Building	0.93	0.1888	0.0112	0.0000	0.4677
Mobile Home Park	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Quality Restaurant	4.56	0.9256	0.0547	0.0000	2.2932
<b>Total</b>		<b>3.4529</b>	<b>0.2041</b>	<b>0.0000</b>	<b>8.5544</b>

**9.0 Operational Offroad**

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

**Fire Pumps and Emergency Generators**

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

De Anza Cove Amendment - San Diego County APCD Air District, Annual

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**11.0 Vegetation**

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

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

-----

\*\*Model Is Setup For Calculation of Average CONCentration Values.

-- DEPOSITION LOGIC --

\*\*NO GAS DEPOSITION Data Provided.

\*\*NO PARTICLE DEPOSITION Data Provided.

\*\*Model Uses NO DRY DEPLETION. DRYDPLT = F

\*\*Model Uses NO WET DEPLETION. WETDPLT = F

\*\*Model Uses RURAL Dispersion Only.

\*\*Model Uses Regulatory DEFAULT Options:

1. Stack-tip Downwash.
2. Model Accounts for ELEVated Terrain Effects.
3. Use Calms Processing Routine.
4. Use Missing Data Processing Routine.
5. No Exponential Decay.

\*\*Other Options Specified:

ADJ\_U\* - Use ADJ\_U\* option for SBL in AERMET

CCVR\_Sub - Meteorological data includes CCVR substitutions

TEMP\_Sub - Meteorological data includes TEMP substitutions

\*\*Model Assumes No FLAGPOLE Receptor Heights.

\*\*The User Specified a Pollutant Type of: PM\_10

\*\*Model Calculates 1 Short Term Average(s) of: 1-HR  
and Calculates PERIOD Averages

\*\*This Run Includes: 1075 Source(s); 1 Source Group(s); and 882 Receptor(s)

with: 0 POINT(s), including  
0 POINTCAP(s) and 0 POINTHOR(s)  
and: 1075 VOLUME source(s)  
and: 0 AREA type source(s)  
and: 0 LINE source(s)  
and: 0 OPENPIT source(s)  
and: 0 BUOYANT LINE source(s) with 0 line(s)

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

\*\*The AERMET Input Meteorological Data Version Date: 16216



\*\*\* UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA \*\*\*

Surface file: Lindbergh\_2010\_2012\_v16126.SFC

Met Version: 16216

Profile file: Lindbergh\_2010\_2012\_v16126.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 23188

Upper air station no.: 3190

Name: SAN\_DIEGO/LINDBERGH\_FIELD

Name: UNKNOWN

Year: 2010

Year: 2010

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													

10	01	01	1	01	-1.7	0.069	-9.000	-9.000	-999.	43.	17.3	0.17	0.87	1.00	0.53	25.	10.0	284.1	2.0
10	01	01	1	02	-4.1	0.089	-9.000	-9.000	-999.	63.	15.6	0.15	0.87	1.00	1.01	325.	10.0	283.1	2.0
10	01	01	1	03	-2.2	0.072	-9.000	-9.000	-999.	46.	15.4	0.15	0.87	1.00	0.67	343.	10.0	283.1	2.0
10	01	01	1	04	-2.9	0.078	-9.000	-9.000	-999.	52.	14.7	0.15	0.87	1.00	0.82	357.	10.0	282.5	2.0
10	01	01	1	05	-3.1	0.080	-9.000	-9.000	-999.	54.	15.1	0.17	0.87	1.00	0.82	14.	10.0	282.1	2.0
10	01	01	1	06	-5.4	0.102	-9.000	-9.000	-999.	78.	17.8	0.17	0.87	1.00	1.13	41.	10.0	282.1	2.0
10	01	01	1	07	-2.6	0.075	-9.000	-9.000	-999.	50.	14.8	0.15	0.87	1.00	0.77	337.	10.0	282.1	2.0
10	01	01	1	08	-1.3	0.060	-9.000	-9.000	-999.	35.	14.8	0.14	0.87	0.49	0.67	275.	10.0	285.1	2.0
10	01	01	1	09	17.9	0.123	0.282	0.010	46.	104.	-9.6	0.15	0.87	0.29	0.97	316.	10.0	286.1	2.0
10	01	01	1	10	57.3	0.165	0.545	0.009	103.	160.	-7.1	0.18	0.87	0.22	1.16	241.	10.0	288.8	2.0
10	01	01	1	11	55.7	0.189	0.679	0.009	205.	198.	-11.1	0.15	0.87	0.20	1.52	307.	10.0	290.1	2.0
10	01	01	1	12	63.1	0.298	0.823	0.008	322.	390.	-38.1	0.14	0.87	0.19	2.78	299.	10.0	291.1	2.0
10	01	01	1	13	62.9	0.312	0.890	0.008	408.	417.	-43.7	0.15	0.87	0.19	2.91	304.	10.0	293.1	2.0
10	01	01	1	14	53.0	0.429	0.878	0.008	465.	675.	-135.7	0.14	0.87	0.20	4.34	294.	10.0	291.1	2.0
10	01	01	1	15	36.2	0.517	0.794	0.007	501.	892.	-346.8	0.15	0.87	0.23	5.33	301.	10.0	291.1	2.0
10	01	01	1	16	19.8	0.415	0.657	0.008	520.	650.	-327.2	0.15	0.87	0.32	4.27	328.	10.0	290.9	2.0
10	01	01	1	17	-35.7	0.400	-9.000	-9.000	-999.	607.	175.9	0.15	0.87	0.59	4.31	340.	10.0	290.1	2.0
10	01	01	1	18	-19.4	0.197	-9.000	-9.000	-999.	248.	42.7	0.15	0.87	1.00	2.20	319.	10.0	289.1	2.0
10	01	01	1	19	-28.3	0.287	-9.000	-9.000	-999.	370.	90.8	0.15	0.87	1.00	3.15	324.	10.0	289.1	2.0
10	01	01	1	20	-27.5	0.278	-9.000	-9.000	-999.	352.	85.2	0.15	0.87	1.00	3.05	331.	10.0	288.1	2.0
10	01	01	1	21	-9.2	0.133	-9.000	-9.000	-999.	132.	23.4	0.15	0.87	1.00	1.53	355.	10.0	288.1	2.0
10	01	01	1	22	-9.6	0.136	-9.000	-9.000	-999.	121.	24.1	0.15	0.87	1.00	1.55	120.	10.0	288.1	2.0
10	01	01	1	23	-19.5	0.197	-9.000	-9.000	-999.	210.	42.7	0.15	0.87	1.00	2.20	324.	10.0	286.1	2.0
10	01	01	1	24	-16.2	0.180	-9.000	-9.000	-999.	184.	35.7	0.17	0.87	1.00	1.94	29.	10.0	287.1	2.0

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
10	01	01	01	10.0	1	25.	0.53	284.2	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

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

\*\*\* THE SUMMARY OF MAXIMUM PERIOD ( 26304 HRS) RESULTS \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3

\*\*

NETWORK

GROUP ID AVERAGE CONC RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE GRID-ID

ALL 1ST HIGHEST VALUE IS 11.98392 AT ( 479925.06, 3628443.95, 5.20, 5.20, 0.00) GC UCART1

2ND HIGHEST VALUE IS 11.84067 AT ( 479618.58, 3628443.95, 4.10, 4.10, 0.00) GC UCART1
3RD HIGHEST VALUE IS 11.58459 AT ( 479771.82, 3628443.95, 4.00, 4.00, 0.00) GC UCART1
4TH HIGHEST VALUE IS 11.54126 AT ( 479771.82, 3628373.29, 3.90, 3.90, 0.00) GC UCART1
5TH HIGHEST VALUE IS 11.49457 AT ( 479618.58, 3628585.27, 3.70, 3.70, 0.00) GC UCART1
6TH HIGHEST VALUE IS 11.48808 AT ( 479618.58, 3628373.29, 4.30, 4.30, 0.00) GC UCART1
7TH HIGHEST VALUE IS 11.48180 AT ( 479618.58, 3628514.61, 3.60, 3.60, 0.00) GC UCART1
8TH HIGHEST VALUE IS 11.17687 AT ( 479925.06, 3628514.61, 2.90, 2.90, 0.00) GC UCART1
9TH HIGHEST VALUE IS 10.96930 AT ( 479618.58, 3628655.93, 3.30, 3.30, 0.00) GC UCART1
10TH HIGHEST VALUE IS 10.96211 AT ( 479771.82, 3628514.61, 3.00, 3.00, 0.00) GC UCART1

\*\*\* RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

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\*\*\* 11/16/18

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

\*\*\* THE SUMMARY OF HIGHEST 1-HR RESULTS \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3

\*\*

GROUP ID DATE AVERAGE CONC (YYMMDDHH) NETWORK RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE GRID-ID

ALL HIGH 1ST HIGH VALUE IS 416.73762 ON 10010808: AT ( 480078.30, 3628443.95, 3.70, 3.70, 0.00) GC UCART1

\*\*\* RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

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

\*\*\* Message Summary : AERMOD Model Execution \*\*\*

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

A Total of 0 Fatal Error Message(s)  
A Total of 38 Warning Message(s)  
A Total of 585 Informational Message(s)

A Total of 26304 Hours Were Processed

A Total of 230 Calm Hours Identified

A Total of 355 Missing Hours Identified ( 1.35 Percent)

\*\*\*\*\* FATAL ERROR MESSAGES \*\*\*\*\*

\*\*\* NONE \*\*\*

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

ME W186 15299 MEOPEN: THRESH\_1MIN 1-min ASOS wind speed threshold used 0.50  
ME W187 15299 MEOPEN: ADJ\_U\* Option for Stable Low Winds used in AERMET  
MX W441 14167 METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT= 11081407  
MX W441 14168 METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT= 11081408  
MX W441 14169 METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT= 11081409  
MX W441 14170 METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT= 11081410  
MX W441 14171 METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT= 11081411  
MX W441 14172 METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT= 11081412  
MX W441 14173 METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT= 11081413  
MX W441 14174 METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT= 11081414  
MX W441 14175 METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT= 11081415  
MX W441 14176 METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT= 11081416  
MX W441 14177 METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT= 11081417  
MX W441 14178 METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT= 11081418  
MX W441 14191 METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT= 11081507  
MX W441 14192 METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT= 11081508  
MX W441 14193 METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT= 11081509  
MX W441 14194 METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT= 11081510  
MX W441 14195 METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT= 11081511  
MX W441 14196 METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT= 11081512  
MX W441 14197 METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT= 11081513  
MX W441 14198 METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT= 11081514  
MX W441 14199 METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT= 11081515  
MX W441 14200 METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT= 11081516  
MX W441 14201 METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT= 11081517  
MX W441 14202 METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT= 11081518  
MX W441 14215 METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT= 11081607  
MX W441 14216 METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT= 11081608  
MX W441 14217 METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT= 11081609  
MX W441 14218 METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT= 11081610  
MX W441 14219 METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT= 11081611  
MX W441 14220 METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT= 11081612  
MX W441 14221 METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT= 11081613  
MX W441 14222 METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT= 11081614

MX W441	14223	METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT=	11081615
MX W441	14224	METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT=	11081616
MX W441	14225	METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT=	11081617
MX W441	14226	METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT=	11081618

GLCs loaded successfully  
Pollutants loaded successfully  
Pathway receptors loaded successfully  
\*\*\*\*\*

RISK SCENARIO SETTINGS

Receptor Type: Resident  
Scenario: All  
Calculation Method: Derived

\*\*\*\*\*

EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25  
Total Exposure Duration: 5.75

Exposure Duration Bin Distribution  
3rd Trimester Bin: 0.25  
0<2 Years Bin: 2  
2<9 Years Bin: 3.75  
2<16 Years Bin: 0  
16<30 Years Bin: 0  
16 to 70 Years Bin: 0

\*\*\*\*\*

PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True  
Soil: True  
Dermal: True  
Mother's milk: True  
Water: False  
Fish: False  
Homegrown crops: False  
Beef: False  
Dairy: False  
Pig: False  
Chicken: False  
Egg: False

\*\*\*\*\*

INHALATION

Daily breathing rate: LongTerm24HR

\*\*Worker Adjustment Factors\*\*  
Worker adjustment factors enabled: NO

\*\*Fraction at time at home\*\*  
3rd Trimester to 16 years: OFF  
16 years to 70 years: ON

\*\*\*\*\*  
SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.05  
Soil mixing depth (m): 0.01  
Dermal climate: Mixed

\*\*\*\*\*  
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.

Tier2 - What was changed: ED or start age changed|

Calculating cancer risk

Cancer risk breakdown by pollutant and receptor saved to: P:\300.Environmental\10871 City of SD Planning As-Needed\02 De Anza Revitalization\DUDEK WORK PRODUCTS\DOCUMENTS\AIR QUALITY-GHG\HRA\HRA\DE ANZA HRA\hra\Res-2CancerRisk.csv

Cancer risk total by receptor saved to: P:\300.Environmental\10871 City of SD Planning As-Needed\02 De Anza Revitalization\DUDEK WORK PRODUCTS\DOCUMENTS\AIR QUALITY-GHG\HRA\HRA\DE ANZA HRA\hra\Res-2CancerRiskSumByRec.csv

Calculating chronic risk

Chronic risk breakdown by pollutant and receptor saved to: P:\300.Environmental\10871 City of SD Planning As-Needed\02 De Anza Revitalization\DUDEK WORK PRODUCTS\DOCUMENTS\AIR QUALITY-GHG\HRA\HRA\DE ANZA HRA\hra\Res-2NCChronicRisk.csv

Chronic risk total by receptor saved to: P:\300.Environmental\10871 City of SD Planning As-Needed\02 De Anza Revitalization\DUDEK WORK PRODUCTS\DOCUMENTS\AIR QUALITY-GHG\HRA\HRA\DE ANZA HRA\hra\Res-2NCChronicRiskSumByRec.csv

Calculating acute risk

Acute risk breakdown by pollutant and receptor saved to: P:\300.Environmental\10871 City of SD Planning As-Needed\02 De Anza Revitalization\DUDEK WORK PRODUCTS\DOCUMENTS\AIR QUALITY-GHG\HRA\HRA\DE ANZA HRA\hra\Res-2NCAcuteRisk.csv

Acute risk total by receptor saved to: P:\300.Environmental\10871 City of SD Planning As-Needed\02 De Anza Revitalization\DUDEK WORK PRODUCTS\DOCUMENTS\AIR QUALITY-GHG\HRA\HRA\DE ANZA HRA\hra\Res-2NCAcuteRiskSumByRec.csv

HRA ran successfully



**Attachment 2. CalEEMod Output**

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De Anza Amendment - San Diego Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**De Anza Amendment  
San Diego Air Basin, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	139.70	Acre	139.70	6,085,332.00	0
Parking Lot	1.60	Acre	1.60	69,696.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	40
<b>Climate Zone</b>	13			<b>Operational Year</b>	2035
<b>Utility Company</b>	San Diego Gas & Electric				
<b>CO2 Intensity (lb/MWhr)</b>	539.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics -

Land Use -

Grading - revised based on 2019, adjusted for additional habitat

Demolition -

Trips and VMT - Revised trip length on-site, revised building construction consistent with equipment required, vendor based on SF of buildings

Vehicle Trips - Revised consistent with TIA

Architectural Coating - SDAPCD Rule 67.0.1

Area Coating - SDAPCD Rule 67.0.1

Energy Use - Assume same lighting energy for Park

Construction Off-road Equipment Mitigation -

De Anza Amendment - San Diego Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	0
tblAreaCoating	Area_EF_Nonresidential_Interior	250	0
tblAreaCoating	Area_EF_Parking	250	0
tblAreaCoating	Area_EF_Residential_Exterior	250	0
tblAreaCoating	Area_EF_Residential_Interior	250	0
tblEnergyUse	LightingElect	0.00	0.35
tblGrading	AcresOfGrading	930.00	347.00
tblGrading	MaterialExported	0.00	873,886.00
tblGrading	MaterialImported	0.00	873,886.00
tblTripsAndVMT	HaulingTripLength	20.00	0.75
tblTripsAndVMT	HaulingTripNumber	1,635.00	3,308.00
tblTripsAndVMT	VendorTripNumber	1,009.00	2.00
tblTripsAndVMT	WorkerTripNumber	2,585.00	23.00
tblTripsAndVMT	WorkerTripNumber	517.00	15.00
tblVehicleTrips	ST_TR	1.96	34.70
tblVehicleTrips	SU_TR	2.19	39.20
tblVehicleTrips	WD_TR	0.78	39.20

**2.0 Emissions Summary**

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**2.1 Overall Construction (Maximum Daily Emission)**

**Unmitigated Construction**

De Anza Amendment - San Diego Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2030	2.4727	13.6847	19.8108	0.0555	19.8049	0.4372	20.2421	10.1417	0.4372	10.5788	0.0000	5,414.0106	5,414.0106	0.2528	0.1521	5,465.6512
2031	4.0649	28.6351	34.1894	0.0987	19.8049	0.5228	20.2420	10.1417	0.5213	10.5788	0.0000	10,404.0638	10,404.0638	0.4619	0.4906	10,561.8031
2032	4.0628	28.5984	34.2042	0.0982	8.6424	0.5225	9.1649	3.7339	0.5210	4.2549	0.0000	10,352.6938	10,352.6938	0.4639	0.4828	10,508.1503
2033	1.3459	8.0319	16.5311	0.0326	0.2025	0.1492	0.3517	0.0540	0.1491	0.2031	0.0000	3,075.9778	3,075.9778	0.1199	8.0300e-003	3,081.3686
2034	1.3440	8.0308	16.5218	0.0326	0.2025	0.1492	0.3516	0.0540	0.1491	0.2031	0.0000	3,074.1327	3,074.1327	0.1198	7.9100e-003	3,079.4857
2035	1.2500	7.2567	16.4747	0.0325	0.2025	0.0914	0.2939	0.0540	0.0913	0.1454	0.0000	3,072.5484	3,072.5484	0.1114	7.8100e-003	3,077.6615
2036	1.2500	7.2567	16.4747	0.0325	0.2025	0.0914	0.2939	0.0540	0.0913	0.1454	0.0000	3,072.5484	3,072.5484	0.1114	7.8100e-003	3,077.6615
2037	1.2500	7.2567	16.4747	0.0325	0.2025	0.0914	0.2939	0.0540	0.0913	0.1454	0.0000	3,072.5484	3,072.5484	0.1114	7.8100e-003	3,077.6615
2038	1.2500	7.2567	16.4747	0.0325	0.2025	0.0914	0.2939	0.0540	0.0913	0.1454	0.0000	3,072.5484	3,072.5484	0.1114	7.8100e-003	3,077.6615
2039	1.2500	7.2567	16.4747	0.0325	0.2025	0.0914	0.2939	0.0540	0.0913	0.1454	0.0000	3,072.5484	3,072.5484	0.1114	7.8100e-003	3,077.6615
2040	1.2237	6.9832	16.4488	0.0325	0.2025	0.0746	0.2771	0.0540	0.0746	0.1286	0.0000	3,067.3867	3,067.3867	0.1073	7.4900e-003	3,072.3009
2041	1.2237	6.9832	16.4488	0.0325	0.2025	0.0746	0.2771	0.0540	0.0746	0.1286	0.0000	3,067.3867	3,067.3867	0.1073	7.4900e-003	3,072.3009
2042	1.2237	6.9832	16.4488	0.0325	0.2025	0.0746	0.2771	0.0540	0.0746	0.1286	0.0000	3,067.3867	3,067.3867	0.1073	7.4900e-003	3,072.3009
2043	1.2237	6.9832	16.4488	0.0325	0.2025	0.0746	0.2771	0.0540	0.0746	0.1286	0.0000	3,067.3867	3,067.3867	0.1073	7.4900e-003	3,072.3009
2044	1.2237	6.9832	16.4488	0.0325	0.2025	0.1167	0.2771	0.0540	0.1167	0.1494	0.0000	3,067.3867	3,067.3867	0.1073	7.4900e-003	3,072.3009
2045	1.0444	3.6655	16.0065	0.0288	0.1232	0.1167	0.2399	0.0327	0.1166	0.1493	0.0000	2,743.6536	2,743.6536	0.0901	1.5800e-003	2,746.3774
<b>Maximum</b>	<b>4.0649</b>	<b>28.6351</b>	<b>34.2042</b>	<b>0.0987</b>	<b>19.8049</b>	<b>0.5228</b>	<b>20.2421</b>	<b>10.1417</b>	<b>0.5213</b>	<b>10.5788</b>	<b>0.0000</b>	<b>10,404.0638</b>	<b>10,404.0638</b>	<b>0.4639</b>	<b>0.4906</b>	<b>10,561.8031</b>

De Anza Amendment - San Diego Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**2.1 Overall Construction (Maximum Daily Emission)**

**Mitigated Construction**

De Anza Amendment - San Diego Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2030	2.4727	13.6847	19.8108	0.0555	8.9935	0.4372	9.4307	4.5853	0.4372	5.0225	0.0000	5,414.0106	5,414.0106	0.2528	0.1521	5,465.6512
2031	4.0649	28.6351	34.1894	0.0987	8.9935	0.5228	9.4307	4.5853	0.5213	5.0224	0.0000	10,404.0638	10,404.0638	0.4619	0.4906	10,561.8030
2032	4.0628	28.5984	34.2042	0.0982	4.2417	0.5225	4.7642	1.7768	0.5210	2.2978	0.0000	10,352.6938	10,352.6938	0.4639	0.4828	10,508.1503
2033	1.3459	8.0319	16.5311	0.0326	0.2025	0.1492	0.3517	0.0540	0.1491	0.2031	0.0000	3,075.9778	3,075.9778	0.1199	8.0300e-003	3,081.3686
2034	1.3440	8.0308	16.5218	0.0326	0.2025	0.1492	0.3516	0.0540	0.1491	0.2031	0.0000	3,074.1327	3,074.1327	0.1198	7.9100e-003	3,079.4857
2035	1.2500	7.2567	16.4747	0.0325	0.2025	0.0914	0.2939	0.0540	0.0913	0.1454	0.0000	3,072.5484	3,072.5484	0.1114	7.8100e-003	3,077.6615
2036	1.2500	7.2567	16.4747	0.0325	0.2025	0.0914	0.2939	0.0540	0.0913	0.1454	0.0000	3,072.5484	3,072.5484	0.1114	7.8100e-003	3,077.6615
2037	1.2500	7.2567	16.4747	0.0325	0.2025	0.0914	0.2939	0.0540	0.0913	0.1454	0.0000	3,072.5484	3,072.5484	0.1114	7.8100e-003	3,077.6615
2038	1.2500	7.2567	16.4747	0.0325	0.2025	0.0914	0.2939	0.0540	0.0913	0.1454	0.0000	3,072.5484	3,072.5484	0.1114	7.8100e-003	3,077.6615
2039	1.2500	7.2567	16.4747	0.0325	0.2025	0.0914	0.2939	0.0540	0.0913	0.1454	0.0000	3,072.5484	3,072.5484	0.1114	7.8100e-003	3,077.6615
2040	1.2237	6.9832	16.4488	0.0325	0.2025	0.0746	0.2771	0.0540	0.0746	0.1286	0.0000	3,067.3867	3,067.3867	0.1073	7.4900e-003	3,072.3009
2041	1.2237	6.9832	16.4488	0.0325	0.2025	0.0746	0.2771	0.0540	0.0746	0.1286	0.0000	3,067.3867	3,067.3867	0.1073	7.4900e-003	3,072.3009
2042	1.2237	6.9832	16.4488	0.0325	0.2025	0.0746	0.2771	0.0540	0.0746	0.1286	0.0000	3,067.3867	3,067.3867	0.1073	7.4900e-003	3,072.3009
2043	1.2237	6.9832	16.4488	0.0325	0.2025	0.0746	0.2771	0.0540	0.0746	0.1286	0.0000	3,067.3867	3,067.3867	0.1073	7.4900e-003	3,072.3009
2044	1.2237	6.9832	16.4488	0.0325	0.2025	0.1167	0.2771	0.0540	0.1167	0.1494	0.0000	3,067.3867	3,067.3867	0.1073	7.4900e-003	3,072.3009
2045	1.0444	3.6655	16.0065	0.0288	0.1232	0.1167	0.2399	0.0327	0.1166	0.1493	0.0000	2,743.6536	2,743.6536	0.0901	1.5800e-003	2,746.3774
<b>Maximum</b>	<b>4.0649</b>	<b>28.6351</b>	<b>34.2042</b>	<b>0.0987</b>	<b>8.9935</b>	<b>0.5228</b>	<b>9.4307</b>	<b>4.5853</b>	<b>0.5213</b>	<b>5.0225</b>	<b>0.0000</b>	<b>10,404.0638</b>	<b>10,404.0638</b>	<b>0.4639</b>	<b>0.4906</b>	<b>10,561.8030</b>

## De Anza Amendment - San Diego Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	51.22	0.00	48.69	52.92	0.00	47.77	0.00	0.00	0.00	0.00	0.00	0.00



De Anza Amendment - San Diego Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.3822	1.3000e-004	0.0143	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0309	0.0309	8.0000e-005		0.0329
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	9.8237	8.2854	85.3115	0.1832	24.6028	0.1061	24.7088	6.5524	0.0990	6.6513		20,197.3646	20,197.3646	1.3325	0.8398	20,480.9244
<b>Total</b>	<b>10.2059</b>	<b>8.2856</b>	<b>85.3259</b>	<b>0.1832</b>	<b>24.6028</b>	<b>0.1061</b>	<b>24.7089</b>	<b>6.5524</b>	<b>0.0990</b>	<b>6.6514</b>		<b>20,197.3955</b>	<b>20,197.3955</b>	<b>1.3326</b>	<b>0.8398</b>	<b>20,480.9573</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.3822	1.3000e-004	0.0143	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0309	0.0309	8.0000e-005		0.0329
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	9.8237	8.2854	85.3115	0.1832	24.6028	0.1061	24.7088	6.5524	0.0990	6.6513		20,197.3646	20,197.3646	1.3325	0.8398	20,480.9244
<b>Total</b>	<b>10.2059</b>	<b>8.2856</b>	<b>85.3259</b>	<b>0.1832</b>	<b>24.6028</b>	<b>0.1061</b>	<b>24.7089</b>	<b>6.5524</b>	<b>0.0990</b>	<b>6.6514</b>		<b>20,197.3955</b>	<b>20,197.3955</b>	<b>1.3326</b>	<b>0.8398</b>	<b>20,480.9573</b>

De Anza Amendment - San Diego Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2030	10/7/2030	5	200	
2	Site Preparation	Site Preparation	10/8/2030	3/24/2031	5	120	
3	Grading	Grading	3/25/2031	5/31/2032	5	310	
4	Building Construction	Building Construction	6/1/2032	4/18/2044	5	3100	
5	Paving	Paving	4/19/2044	2/20/2045	5	220	
6	Architectural Coating	Architectural Coating	2/21/2045	12/25/2045	5	220	

**Acres of Grading (Site Preparation Phase): 180**

**Acres of Grading (Grading Phase): 347**

**Acres of Paving: 1.6**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 3,000; Non-Residential Outdoor: 1,000; Striped Parking Area: 4,182 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	7.00	231	0.29
Demolition	Excavators	3	8.00	158	0.38
Grading	Excavators	2	8.00	158	0.38

De Anza Amendment - San Diego Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Graders	1	8.00	187	0.41
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	3,308.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	218,472.00	10.80	7.30	0.75	LD_Mix	HDT_Mix	HHDT
Building Construction	9	23.00	2.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

De Anza Amendment - San Diego Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.2 Demolition - 2030**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.7918	0.0000	1.7918	0.2713	0.0000	0.2713			0.0000			0.0000
Off-Road	2.0746	9.7770	18.9168	0.0462		0.3511	0.3511		0.3511	0.3511		4,378.5819	4,378.5819	0.1847		4,383.2000
<b>Total</b>	<b>2.0746</b>	<b>9.7770</b>	<b>18.9168</b>	<b>0.0462</b>	<b>1.7918</b>	<b>0.3511</b>	<b>2.1429</b>	<b>0.2713</b>	<b>0.3511</b>	<b>0.6224</b>		<b>4,378.5819</b>	<b>4,378.5819</b>	<b>0.1847</b>		<b>4,383.2000</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0348	1.9685	0.6452	8.3500e-003	0.2893	0.0175	0.3068	0.0793	0.0168	0.0961		939.4918	939.4918	0.0665	0.1502	985.9022
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0273	0.0139	0.2488	8.9000e-004	0.1232	4.4000e-004	0.1237	0.0327	4.1000e-004	0.0331		95.9369	95.9369	1.6400e-003	1.9200e-003	96.5490
<b>Total</b>	<b>0.0621</b>	<b>1.9825</b>	<b>0.8940</b>	<b>9.2400e-003</b>	<b>0.4125</b>	<b>0.0180</b>	<b>0.4305</b>	<b>0.1120</b>	<b>0.0172</b>	<b>0.1292</b>		<b>1,035.4287</b>	<b>1,035.4287</b>	<b>0.0681</b>	<b>0.1521</b>	<b>1,082.4512</b>

De Anza Amendment - San Diego Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.2 Demolition - 2030**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.8063	0.0000	0.8063	0.1221	0.0000	0.1221			0.0000			0.0000
Off-Road	2.0746	9.7770	18.9168	0.0462		0.3511	0.3511		0.3511	0.3511	0.0000	4,378.5819	4,378.5819	0.1847		4,383.2000
<b>Total</b>	<b>2.0746</b>	<b>9.7770</b>	<b>18.9168</b>	<b>0.0462</b>	<b>0.8063</b>	<b>0.3511</b>	<b>1.1574</b>	<b>0.1221</b>	<b>0.3511</b>	<b>0.4732</b>	<b>0.0000</b>	<b>4,378.5819</b>	<b>4,378.5819</b>	<b>0.1847</b>		<b>4,383.2000</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0348	1.9685	0.6452	8.3500e-003	0.2893	0.0175	0.3068	0.0793	0.0168	0.0961		939.4918	939.4918	0.0665	0.1502	985.9022
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0273	0.0139	0.2488	8.9000e-004	0.1232	4.4000e-004	0.1237	0.0327	4.1000e-004	0.0331		95.9369	95.9369	1.6400e-003	1.9200e-003	96.5490
<b>Total</b>	<b>0.0621</b>	<b>1.9825</b>	<b>0.8940</b>	<b>9.2400e-003</b>	<b>0.4125</b>	<b>0.0180</b>	<b>0.4305</b>	<b>0.1120</b>	<b>0.0172</b>	<b>0.1292</b>		<b>1,035.4287</b>	<b>1,035.4287</b>	<b>0.0681</b>	<b>0.1521</b>	<b>1,082.4512</b>

De Anza Amendment - San Diego Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.3 Site Preparation - 2030**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.4399	13.6680	16.2918	0.0466		0.4367	0.4367		0.4367	0.4367		4,409.7537	4,409.7537	0.2176		4,415.1936
<b>Total</b>	<b>2.4399</b>	<b>13.6680</b>	<b>16.2918</b>	<b>0.0466</b>	<b>19.6570</b>	<b>0.4367</b>	<b>20.0937</b>	<b>10.1025</b>	<b>0.4367</b>	<b>10.5391</b>		<b>4,409.7537</b>	<b>4,409.7537</b>	<b>0.2176</b>		<b>4,415.1936</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0327	0.0167	0.2986	1.0600e-003	0.1479	5.3000e-004	0.1484	0.0392	4.9000e-004	0.0397		115.1243	115.1243	1.9700e-003	2.3000e-003	115.8588
<b>Total</b>	<b>0.0327</b>	<b>0.0167</b>	<b>0.2986</b>	<b>1.0600e-003</b>	<b>0.1479</b>	<b>5.3000e-004</b>	<b>0.1484</b>	<b>0.0392</b>	<b>4.9000e-004</b>	<b>0.0397</b>		<b>115.1243</b>	<b>115.1243</b>	<b>1.9700e-003</b>	<b>2.3000e-003</b>	<b>115.8588</b>

De Anza Amendment - San Diego Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.3 Site Preparation - 2030**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.8457	0.0000	8.8457	4.5461	0.0000	4.5461			0.0000			0.0000
Off-Road	2.4399	13.6680	16.2918	0.0466		0.4367	0.4367		0.4367	0.4367	0.0000	4,409.753 7	4,409.753 7	0.2176		4,415.193 6
<b>Total</b>	<b>2.4399</b>	<b>13.6680</b>	<b>16.2918</b>	<b>0.0466</b>	<b>8.8457</b>	<b>0.4367</b>	<b>9.2823</b>	<b>4.5461</b>	<b>0.4367</b>	<b>4.9828</b>	<b>0.0000</b>	<b>4,409.753 7</b>	<b>4,409.753 7</b>	<b>0.2176</b>		<b>4,415.193 6</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0327	0.0167	0.2986	1.0600e-003	0.1479	5.3000e-004	0.1484	0.0392	4.9000e-004	0.0397		115.1243	115.1243	1.9700e-003	2.3000e-003	115.8588
<b>Total</b>	<b>0.0327</b>	<b>0.0167</b>	<b>0.2986</b>	<b>1.0600e-003</b>	<b>0.1479</b>	<b>5.3000e-004</b>	<b>0.1484</b>	<b>0.0392</b>	<b>4.9000e-004</b>	<b>0.0397</b>		<b>115.1243</b>	<b>115.1243</b>	<b>1.9700e-003</b>	<b>2.3000e-003</b>	<b>115.8588</b>

De Anza Amendment - San Diego Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.3 Site Preparation - 2031**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.4399	13.6680	16.2918	0.0466		0.4367	0.4367		0.4367	0.4367		4,409.7537	4,409.7537	0.2176		4,415.1936
<b>Total</b>	<b>2.4399</b>	<b>13.6680</b>	<b>16.2918</b>	<b>0.0466</b>	<b>19.6570</b>	<b>0.4367</b>	<b>20.0937</b>	<b>10.1025</b>	<b>0.4367</b>	<b>10.5391</b>		<b>4,409.7537</b>	<b>4,409.7537</b>	<b>0.2176</b>		<b>4,415.1936</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0307	0.0156	0.2878	1.0400e-003	0.1479	5.0000e-004	0.1484	0.0392	4.6000e-004	0.0397		113.4709	113.4709	1.8300e-003	2.2300e-003	114.1798
<b>Total</b>	<b>0.0307</b>	<b>0.0156</b>	<b>0.2878</b>	<b>1.0400e-003</b>	<b>0.1479</b>	<b>5.0000e-004</b>	<b>0.1484</b>	<b>0.0392</b>	<b>4.6000e-004</b>	<b>0.0397</b>		<b>113.4709</b>	<b>113.4709</b>	<b>1.8300e-003</b>	<b>2.2300e-003</b>	<b>114.1798</b>



De Anza Amendment - San Diego Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.3 Site Preparation - 2031**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.8457	0.0000	8.8457	4.5461	0.0000	4.5461			0.0000			0.0000
Off-Road	2.4399	13.6680	16.2918	0.0466		0.4367	0.4367		0.4367	0.4367	0.0000	4,409.753 7	4,409.753 7	0.2176		4,415.193 6
<b>Total</b>	<b>2.4399</b>	<b>13.6680</b>	<b>16.2918</b>	<b>0.0466</b>	<b>8.8457</b>	<b>0.4367</b>	<b>9.2823</b>	<b>4.5461</b>	<b>0.4367</b>	<b>4.9828</b>	<b>0.0000</b>	<b>4,409.753 7</b>	<b>4,409.753 7</b>	<b>0.2176</b>		<b>4,415.193 6</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0307	0.0156	0.2878	1.0400e-003	0.1479	5.0000e-004	0.1484	0.0392	4.6000e-004	0.0397		113.4709	113.4709	1.8300e-003	2.2300e-003	114.1798
<b>Total</b>	<b>0.0307</b>	<b>0.0156</b>	<b>0.2878</b>	<b>1.0400e-003</b>	<b>0.1479</b>	<b>5.0000e-004</b>	<b>0.1484</b>	<b>0.0392</b>	<b>4.6000e-004</b>	<b>0.0397</b>		<b>113.4709</b>	<b>113.4709</b>	<b>1.8300e-003</b>	<b>2.2300e-003</b>	<b>114.1798</b>

De Anza Amendment - San Diego Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.4 Grading - 2031**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.0014	0.0000	8.0014	3.5584	0.0000	3.5584			0.0000			0.0000
Off-Road	3.2807	13.8462	23.0239	0.0699		0.4879	0.4879		0.4879	0.4879		7,213.1086	7,213.1086	0.2915		7,220.3963
<b>Total</b>	<b>3.2807</b>	<b>13.8462</b>	<b>23.0239</b>	<b>0.0699</b>	<b>8.0014</b>	<b>0.4879</b>	<b>8.4893</b>	<b>3.5584</b>	<b>0.4879</b>	<b>4.0463</b>		<b>7,213.1086</b>	<b>7,213.1086</b>	<b>0.2915</b>		<b>7,220.3963</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.7501	14.7716	10.8457	0.0276	0.4767	0.0343	0.5110	0.1320	0.0328	0.1648		3,064.8765	3,064.8765	0.1683	0.4881	3,214.5403
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0341	0.0174	0.3198	1.1600e-003	0.1643	5.5000e-004	0.1649	0.0436	5.1000e-004	0.0441		126.0788	126.0788	2.0400e-003	2.4700e-003	126.8665
<b>Total</b>	<b>0.7842</b>	<b>14.7889</b>	<b>11.1655</b>	<b>0.0288</b>	<b>0.6410</b>	<b>0.0349</b>	<b>0.6759</b>	<b>0.1755</b>	<b>0.0333</b>	<b>0.2089</b>		<b>3,190.9553</b>	<b>3,190.9553</b>	<b>0.1704</b>	<b>0.4906</b>	<b>3,341.4068</b>

De Anza Amendment - San Diego Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.4 Grading - 2031**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.6006	0.0000	3.6006	1.6013	0.0000	1.6013			0.0000			0.0000
Off-Road	3.2807	13.8462	23.0239	0.0699		0.4879	0.4879		0.4879	0.4879	0.0000	7,213.1086	7,213.1086	0.2915		7,220.3963
<b>Total</b>	<b>3.2807</b>	<b>13.8462</b>	<b>23.0239</b>	<b>0.0699</b>	<b>3.6006</b>	<b>0.4879</b>	<b>4.0886</b>	<b>1.6013</b>	<b>0.4879</b>	<b>2.0892</b>	<b>0.0000</b>	<b>7,213.1086</b>	<b>7,213.1086</b>	<b>0.2915</b>		<b>7,220.3963</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.7501	14.7716	10.8457	0.0276	0.4767	0.0343	0.5110	0.1320	0.0328	0.1648		3,064.8765	3,064.8765	0.1683	0.4881	3,214.5403
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0341	0.0174	0.3198	1.1600e-003	0.1643	5.5000e-004	0.1649	0.0436	5.1000e-004	0.0441		126.0788	126.0788	2.0400e-003	2.4700e-003	126.8665
<b>Total</b>	<b>0.7842</b>	<b>14.7889</b>	<b>11.1655</b>	<b>0.0288</b>	<b>0.6410</b>	<b>0.0349</b>	<b>0.6759</b>	<b>0.1755</b>	<b>0.0333</b>	<b>0.2089</b>		<b>3,190.9553</b>	<b>3,190.9553</b>	<b>0.1704</b>	<b>0.4906</b>	<b>3,341.4068</b>

De Anza Amendment - San Diego Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.4 Grading - 2032**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.0014	0.0000	8.0014	3.5584	0.0000	3.5584			0.0000			0.0000
Off-Road	3.2807	13.8462	23.0239	0.0699		0.4879	0.4879		0.4879	0.4879		7,213.1086	7,213.1086	0.2915		7,220.3963
<b>Total</b>	<b>3.2807</b>	<b>13.8462</b>	<b>23.0239</b>	<b>0.0699</b>	<b>8.0014</b>	<b>0.4879</b>	<b>8.4893</b>	<b>3.5584</b>	<b>0.4879</b>	<b>4.0463</b>		<b>7,213.1086</b>	<b>7,213.1086</b>	<b>0.2915</b>		<b>7,220.3963</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.7500	14.7359	10.8709	0.0271	0.4767	0.0341	0.5108	0.1320	0.0326	0.1646		3,015.1100	3,015.1100	0.1705	0.4804	3,162.5150
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0321	0.0163	0.3094	1.1400e-003	0.1643	5.2000e-004	0.1648	0.0436	4.8000e-004	0.0441		124.4753	124.4753	1.9000e-003	2.4000e-003	125.2390
<b>Total</b>	<b>0.7821</b>	<b>14.7522</b>	<b>11.1803</b>	<b>0.0283</b>	<b>0.6410</b>	<b>0.0346</b>	<b>0.6756</b>	<b>0.1755</b>	<b>0.0331</b>	<b>0.2086</b>		<b>3,139.5853</b>	<b>3,139.5853</b>	<b>0.1724</b>	<b>0.4828</b>	<b>3,287.7540</b>

De Anza Amendment - San Diego Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.4 Grading - 2032**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.6006	0.0000	3.6006	1.6013	0.0000	1.6013			0.0000			0.0000
Off-Road	3.2807	13.8462	23.0239	0.0699		0.4879	0.4879		0.4879	0.4879	0.0000	7,213.1086	7,213.1086	0.2915		7,220.3963
<b>Total</b>	<b>3.2807</b>	<b>13.8462</b>	<b>23.0239</b>	<b>0.0699</b>	<b>3.6006</b>	<b>0.4879</b>	<b>4.0886</b>	<b>1.6013</b>	<b>0.4879</b>	<b>2.0892</b>	<b>0.0000</b>	<b>7,213.1086</b>	<b>7,213.1086</b>	<b>0.2915</b>		<b>7,220.3963</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.7500	14.7359	10.8709	0.0271	0.4767	0.0341	0.5108	0.1320	0.0326	0.1646		3,015.1100	3,015.1100	0.1705	0.4804	3,162.5150
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0321	0.0163	0.3094	1.1400e-003	0.1643	5.2000e-004	0.1648	0.0436	4.8000e-004	0.0441		124.4753	124.4753	1.9000e-003	2.4000e-003	125.2390
<b>Total</b>	<b>0.7821</b>	<b>14.7522</b>	<b>11.1803</b>	<b>0.0283</b>	<b>0.6410</b>	<b>0.0346</b>	<b>0.6756</b>	<b>0.1755</b>	<b>0.0331</b>	<b>0.2086</b>		<b>3,139.5853</b>	<b>3,139.5853</b>	<b>0.1724</b>	<b>0.4828</b>	<b>3,287.7540</b>

De Anza Amendment - San Diego Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.5 Building Construction - 2032**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
<b>Total</b>	<b>1.3091</b>	<b>7.9346</b>	<b>16.1570</b>	<b>0.0310</b>		<b>0.1481</b>	<b>0.1481</b>		<b>0.1481</b>	<b>0.1481</b>		<b>2,897.5468</b>	<b>2,897.5468</b>	<b>0.1162</b>		<b>2,900.4529</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9800e-003	0.0797	0.0286	3.4000e-004	0.0136	5.0000e-004	0.0140	3.9000e-003	4.8000e-004	4.3700e-003		37.3838	37.3838	1.6100e-003	5.4000e-003	39.0333
Worker	0.0369	0.0188	0.3558	1.3100e-003	0.1889	5.9000e-004	0.1895	0.0501	5.5000e-004	0.0507		143.1466	143.1466	2.1800e-003	2.7600e-003	144.0249
<b>Total</b>	<b>0.0389</b>	<b>0.0985</b>	<b>0.3844</b>	<b>1.6500e-003</b>	<b>0.2025</b>	<b>1.0900e-003</b>	<b>0.2036</b>	<b>0.0540</b>	<b>1.0300e-003</b>	<b>0.0550</b>		<b>180.5303</b>	<b>180.5303</b>	<b>3.7900e-003</b>	<b>8.1600e-003</b>	<b>183.0582</b>

De Anza Amendment - San Diego Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.5 Building Construction - 2032**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
<b>Total</b>	<b>1.3091</b>	<b>7.9346</b>	<b>16.1570</b>	<b>0.0310</b>		<b>0.1481</b>	<b>0.1481</b>		<b>0.1481</b>	<b>0.1481</b>	<b>0.0000</b>	<b>2,897.5468</b>	<b>2,897.5468</b>	<b>0.1162</b>		<b>2,900.4529</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9800e-003	0.0797	0.0286	3.4000e-004	0.0136	5.0000e-004	0.0140	3.9000e-003	4.8000e-004	4.3700e-003		37.3838	37.3838	1.6100e-003	5.4000e-003	39.0333
Worker	0.0369	0.0188	0.3558	1.3100e-003	0.1889	5.9000e-004	0.1895	0.0501	5.5000e-004	0.0507		143.1466	143.1466	2.1800e-003	2.7600e-003	144.0249
<b>Total</b>	<b>0.0389</b>	<b>0.0985</b>	<b>0.3844</b>	<b>1.6500e-003</b>	<b>0.2025</b>	<b>1.0900e-003</b>	<b>0.2036</b>	<b>0.0540</b>	<b>1.0300e-003</b>	<b>0.0550</b>		<b>180.5303</b>	<b>180.5303</b>	<b>3.7900e-003</b>	<b>8.1600e-003</b>	<b>183.0582</b>

De Anza Amendment - San Diego Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.5 Building Construction - 2033**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
<b>Total</b>	<b>1.3091</b>	<b>7.9346</b>	<b>16.1570</b>	<b>0.0310</b>		<b>0.1481</b>	<b>0.1481</b>		<b>0.1481</b>	<b>0.1481</b>		<b>2,897.5468</b>	<b>2,897.5468</b>	<b>0.1162</b>		<b>2,900.4529</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9600e-003	0.0794	0.0286	3.4000e-004	0.0136	4.9000e-004	0.0140	3.9000e-003	4.7000e-004	4.3700e-003		36.8920	36.8920	1.6300e-003	5.3300e-003	38.5213
Worker	0.0348	0.0178	0.3455	1.2900e-003	0.1889	5.6000e-004	0.1895	0.0501	5.1000e-004	0.0506		141.5391	141.5391	2.0500e-003	2.7000e-003	142.3944
<b>Total</b>	<b>0.0368</b>	<b>0.0972</b>	<b>0.3741</b>	<b>1.6300e-003</b>	<b>0.2025</b>	<b>1.0500e-003</b>	<b>0.2035</b>	<b>0.0540</b>	<b>9.8000e-004</b>	<b>0.0550</b>		<b>178.4310</b>	<b>178.4310</b>	<b>3.6800e-003</b>	<b>8.0300e-003</b>	<b>180.9157</b>



De Anza Amendment - San Diego Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.5 Building Construction - 2033**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
<b>Total</b>	<b>1.3091</b>	<b>7.9346</b>	<b>16.1570</b>	<b>0.0310</b>		<b>0.1481</b>	<b>0.1481</b>		<b>0.1481</b>	<b>0.1481</b>	<b>0.0000</b>	<b>2,897.5468</b>	<b>2,897.5468</b>	<b>0.1162</b>		<b>2,900.4529</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9600e-003	0.0794	0.0286	3.4000e-004	0.0136	4.9000e-004	0.0140	3.9000e-003	4.7000e-004	4.3700e-003		36.8920	36.8920	1.6300e-003	5.3300e-003	38.5213
Worker	0.0348	0.0178	0.3455	1.2900e-003	0.1889	5.6000e-004	0.1895	0.0501	5.1000e-004	0.0506		141.5391	141.5391	2.0500e-003	2.7000e-003	142.3944
<b>Total</b>	<b>0.0368</b>	<b>0.0972</b>	<b>0.3741</b>	<b>1.6300e-003</b>	<b>0.2025</b>	<b>1.0500e-003</b>	<b>0.2035</b>	<b>0.0540</b>	<b>9.8000e-004</b>	<b>0.0550</b>		<b>178.4310</b>	<b>178.4310</b>	<b>3.6800e-003</b>	<b>8.0300e-003</b>	<b>180.9157</b>

De Anza Amendment - San Diego Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.5 Building Construction - 2034**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
<b>Total</b>	<b>1.3091</b>	<b>7.9346</b>	<b>16.1570</b>	<b>0.0310</b>		<b>0.1481</b>	<b>0.1481</b>		<b>0.1481</b>	<b>0.1481</b>		<b>2,897.5468</b>	<b>2,897.5468</b>	<b>0.1162</b>		<b>2,900.4529</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9600e-003	0.0792	0.0287	3.3000e-004	0.0136	4.9000e-004	0.0140	3.9000e-003	4.7000e-004	4.3700e-003		36.4453	36.4453	1.6500e-003	5.2700e-003	38.0564
Worker	0.0329	0.0170	0.3361	1.2700e-003	0.1889	5.2000e-004	0.1895	0.0501	4.8000e-004	0.0506		140.1406	140.1406	1.9200e-003	2.6400e-003	140.9765
<b>Total</b>	<b>0.0349</b>	<b>0.0962</b>	<b>0.3648</b>	<b>1.6000e-003</b>	<b>0.2025</b>	<b>1.0100e-003</b>	<b>0.2035</b>	<b>0.0540</b>	<b>9.5000e-004</b>	<b>0.0550</b>		<b>176.5860</b>	<b>176.5860</b>	<b>3.5700e-003</b>	<b>7.9100e-003</b>	<b>179.0329</b>

De Anza Amendment - San Diego Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.5 Building Construction - 2034**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
<b>Total</b>	<b>1.3091</b>	<b>7.9346</b>	<b>16.1570</b>	<b>0.0310</b>		<b>0.1481</b>	<b>0.1481</b>		<b>0.1481</b>	<b>0.1481</b>	<b>0.0000</b>	<b>2,897.5468</b>	<b>2,897.5468</b>	<b>0.1162</b>		<b>2,900.4529</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9600e-003	0.0792	0.0287	3.3000e-004	0.0136	4.9000e-004	0.0140	3.9000e-003	4.7000e-004	4.3700e-003		36.4453	36.4453	1.6500e-003	5.2700e-003	38.0564
Worker	0.0329	0.0170	0.3361	1.2700e-003	0.1889	5.2000e-004	0.1895	0.0501	4.8000e-004	0.0506		140.1406	140.1406	1.9200e-003	2.6400e-003	140.9765
<b>Total</b>	<b>0.0349</b>	<b>0.0962</b>	<b>0.3648</b>	<b>1.6000e-003</b>	<b>0.2025</b>	<b>1.0100e-003</b>	<b>0.2035</b>	<b>0.0540</b>	<b>9.5000e-004</b>	<b>0.0550</b>		<b>176.5860</b>	<b>176.5860</b>	<b>3.5700e-003</b>	<b>7.9100e-003</b>	<b>179.0329</b>

De Anza Amendment - San Diego Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.5 Building Construction - 2035**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904		2,897.5468	2,897.5468	0.1079		2,900.2448
<b>Total</b>	<b>1.2168</b>	<b>7.1613</b>	<b>16.1178</b>	<b>0.0310</b>		<b>0.0904</b>	<b>0.0904</b>		<b>0.0904</b>	<b>0.0904</b>		<b>2,897.5468</b>	<b>2,897.5468</b>	<b>0.1079</b>		<b>2,900.2448</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9500e-003	0.0790	0.0287	3.3000e-004	0.0136	4.9000e-004	0.0140	3.9000e-003	4.7000e-004	4.3700e-003		36.0449	36.0449	1.6600e-003	5.2100e-003	37.6396
Worker	0.0312	0.0164	0.3282	1.2500e-003	0.1889	4.9000e-004	0.1894	0.0501	4.5000e-004	0.0506		138.9567	138.9567	1.8100e-003	2.6000e-003	139.7771
<b>Total</b>	<b>0.0332</b>	<b>0.0953</b>	<b>0.3569</b>	<b>1.5800e-003</b>	<b>0.2025</b>	<b>9.8000e-004</b>	<b>0.2035</b>	<b>0.0540</b>	<b>9.2000e-004</b>	<b>0.0549</b>		<b>175.0016</b>	<b>175.0016</b>	<b>3.4700e-003</b>	<b>7.8100e-003</b>	<b>177.4167</b>

De Anza Amendment - San Diego Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.5 Building Construction - 2035**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904	0.0000	2,897.5468	2,897.5468	0.1079		2,900.2448
<b>Total</b>	<b>1.2168</b>	<b>7.1613</b>	<b>16.1178</b>	<b>0.0310</b>		<b>0.0904</b>	<b>0.0904</b>		<b>0.0904</b>	<b>0.0904</b>	<b>0.0000</b>	<b>2,897.5468</b>	<b>2,897.5468</b>	<b>0.1079</b>		<b>2,900.2448</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9500e-003	0.0790	0.0287	3.3000e-004	0.0136	4.9000e-004	0.0140	3.9000e-003	4.7000e-004	4.3700e-003		36.0449	36.0449	1.6600e-003	5.2100e-003	37.6396
Worker	0.0312	0.0164	0.3282	1.2500e-003	0.1889	4.9000e-004	0.1894	0.0501	4.5000e-004	0.0506		138.9567	138.9567	1.8100e-003	2.6000e-003	139.7771
<b>Total</b>	<b>0.0332</b>	<b>0.0953</b>	<b>0.3569</b>	<b>1.5800e-003</b>	<b>0.2025</b>	<b>9.8000e-004</b>	<b>0.2035</b>	<b>0.0540</b>	<b>9.2000e-004</b>	<b>0.0549</b>		<b>175.0016</b>	<b>175.0016</b>	<b>3.4700e-003</b>	<b>7.8100e-003</b>	<b>177.4167</b>

De Anza Amendment - San Diego Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.5 Building Construction - 2036**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904		2,897.5468	2,897.5468	0.1079		2,900.2448
<b>Total</b>	<b>1.2168</b>	<b>7.1613</b>	<b>16.1178</b>	<b>0.0310</b>		<b>0.0904</b>	<b>0.0904</b>		<b>0.0904</b>	<b>0.0904</b>		<b>2,897.5468</b>	<b>2,897.5468</b>	<b>0.1079</b>		<b>2,900.2448</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9500e-003	0.0790	0.0287	3.3000e-004	0.0136	4.9000e-004	0.0140	3.9000e-003	4.7000e-004	4.3700e-003		36.0449	36.0449	1.6600e-003	5.2100e-003	37.6396
Worker	0.0312	0.0164	0.3282	1.2500e-003	0.1889	4.9000e-004	0.1894	0.0501	4.5000e-004	0.0506		138.9567	138.9567	1.8100e-003	2.6000e-003	139.7771
<b>Total</b>	<b>0.0332</b>	<b>0.0953</b>	<b>0.3569</b>	<b>1.5800e-003</b>	<b>0.2025</b>	<b>9.8000e-004</b>	<b>0.2035</b>	<b>0.0540</b>	<b>9.2000e-004</b>	<b>0.0549</b>		<b>175.0016</b>	<b>175.0016</b>	<b>3.4700e-003</b>	<b>7.8100e-003</b>	<b>177.4167</b>

De Anza Amendment - San Diego Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.5 Building Construction - 2036**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904	0.0000	2,897.5468	2,897.5468	0.1079		2,900.2448
<b>Total</b>	<b>1.2168</b>	<b>7.1613</b>	<b>16.1178</b>	<b>0.0310</b>		<b>0.0904</b>	<b>0.0904</b>		<b>0.0904</b>	<b>0.0904</b>	<b>0.0000</b>	<b>2,897.5468</b>	<b>2,897.5468</b>	<b>0.1079</b>		<b>2,900.2448</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9500e-003	0.0790	0.0287	3.3000e-004	0.0136	4.9000e-004	0.0140	3.9000e-003	4.7000e-004	4.3700e-003		36.0449	36.0449	1.6600e-003	5.2100e-003	37.6396
Worker	0.0312	0.0164	0.3282	1.2500e-003	0.1889	4.9000e-004	0.1894	0.0501	4.5000e-004	0.0506		138.9567	138.9567	1.8100e-003	2.6000e-003	139.7771
<b>Total</b>	<b>0.0332</b>	<b>0.0953</b>	<b>0.3569</b>	<b>1.5800e-003</b>	<b>0.2025</b>	<b>9.8000e-004</b>	<b>0.2035</b>	<b>0.0540</b>	<b>9.2000e-004</b>	<b>0.0549</b>		<b>175.0016</b>	<b>175.0016</b>	<b>3.4700e-003</b>	<b>7.8100e-003</b>	<b>177.4167</b>

De Anza Amendment - San Diego Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.5 Building Construction - 2037**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904		2,897.5468	2,897.5468	0.1079		2,900.2448
<b>Total</b>	<b>1.2168</b>	<b>7.1613</b>	<b>16.1178</b>	<b>0.0310</b>		<b>0.0904</b>	<b>0.0904</b>		<b>0.0904</b>	<b>0.0904</b>		<b>2,897.5468</b>	<b>2,897.5468</b>	<b>0.1079</b>		<b>2,900.2448</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9500e-003	0.0790	0.0287	3.3000e-004	0.0136	4.9000e-004	0.0140	3.9000e-003	4.7000e-004	4.3700e-003		36.0449	36.0449	1.6600e-003	5.2100e-003	37.6396
Worker	0.0312	0.0164	0.3282	1.2500e-003	0.1889	4.9000e-004	0.1894	0.0501	4.5000e-004	0.0506		138.9567	138.9567	1.8100e-003	2.6000e-003	139.7771
<b>Total</b>	<b>0.0332</b>	<b>0.0953</b>	<b>0.3569</b>	<b>1.5800e-003</b>	<b>0.2025</b>	<b>9.8000e-004</b>	<b>0.2035</b>	<b>0.0540</b>	<b>9.2000e-004</b>	<b>0.0549</b>		<b>175.0016</b>	<b>175.0016</b>	<b>3.4700e-003</b>	<b>7.8100e-003</b>	<b>177.4167</b>



De Anza Amendment - San Diego Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.5 Building Construction - 2037**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904	0.0000	2,897.5468	2,897.5468	0.1079		2,900.2448
<b>Total</b>	<b>1.2168</b>	<b>7.1613</b>	<b>16.1178</b>	<b>0.0310</b>		<b>0.0904</b>	<b>0.0904</b>		<b>0.0904</b>	<b>0.0904</b>	<b>0.0000</b>	<b>2,897.5468</b>	<b>2,897.5468</b>	<b>0.1079</b>		<b>2,900.2448</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9500e-003	0.0790	0.0287	3.3000e-004	0.0136	4.9000e-004	0.0140	3.9000e-003	4.7000e-004	4.3700e-003		36.0449	36.0449	1.6600e-003	5.2100e-003	37.6396
Worker	0.0312	0.0164	0.3282	1.2500e-003	0.1889	4.9000e-004	0.1894	0.0501	4.5000e-004	0.0506		138.9567	138.9567	1.8100e-003	2.6000e-003	139.7771
<b>Total</b>	<b>0.0332</b>	<b>0.0953</b>	<b>0.3569</b>	<b>1.5800e-003</b>	<b>0.2025</b>	<b>9.8000e-004</b>	<b>0.2035</b>	<b>0.0540</b>	<b>9.2000e-004</b>	<b>0.0549</b>		<b>175.0016</b>	<b>175.0016</b>	<b>3.4700e-003</b>	<b>7.8100e-003</b>	<b>177.4167</b>

De Anza Amendment - San Diego Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.5 Building Construction - 2038**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904		2,897.5468	2,897.5468	0.1079		2,900.2448
<b>Total</b>	<b>1.2168</b>	<b>7.1613</b>	<b>16.1178</b>	<b>0.0310</b>		<b>0.0904</b>	<b>0.0904</b>		<b>0.0904</b>	<b>0.0904</b>		<b>2,897.5468</b>	<b>2,897.5468</b>	<b>0.1079</b>		<b>2,900.2448</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9500e-003	0.0790	0.0287	3.3000e-004	0.0136	4.9000e-004	0.0140	3.9000e-003	4.7000e-004	4.3700e-003		36.0449	36.0449	1.6600e-003	5.2100e-003	37.6396
Worker	0.0312	0.0164	0.3282	1.2500e-003	0.1889	4.9000e-004	0.1894	0.0501	4.5000e-004	0.0506		138.9567	138.9567	1.8100e-003	2.6000e-003	139.7771
<b>Total</b>	<b>0.0332</b>	<b>0.0953</b>	<b>0.3569</b>	<b>1.5800e-003</b>	<b>0.2025</b>	<b>9.8000e-004</b>	<b>0.2035</b>	<b>0.0540</b>	<b>9.2000e-004</b>	<b>0.0549</b>		<b>175.0016</b>	<b>175.0016</b>	<b>3.4700e-003</b>	<b>7.8100e-003</b>	<b>177.4167</b>

De Anza Amendment - San Diego Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.5 Building Construction - 2038**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904	0.0000	2,897.5468	2,897.5468	0.1079		2,900.2448
<b>Total</b>	<b>1.2168</b>	<b>7.1613</b>	<b>16.1178</b>	<b>0.0310</b>		<b>0.0904</b>	<b>0.0904</b>		<b>0.0904</b>	<b>0.0904</b>	<b>0.0000</b>	<b>2,897.5468</b>	<b>2,897.5468</b>	<b>0.1079</b>		<b>2,900.2448</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9500e-003	0.0790	0.0287	3.3000e-004	0.0136	4.9000e-004	0.0140	3.9000e-003	4.7000e-004	4.3700e-003		36.0449	36.0449	1.6600e-003	5.2100e-003	37.6396
Worker	0.0312	0.0164	0.3282	1.2500e-003	0.1889	4.9000e-004	0.1894	0.0501	4.5000e-004	0.0506		138.9567	138.9567	1.8100e-003	2.6000e-003	139.7771
<b>Total</b>	<b>0.0332</b>	<b>0.0953</b>	<b>0.3569</b>	<b>1.5800e-003</b>	<b>0.2025</b>	<b>9.8000e-004</b>	<b>0.2035</b>	<b>0.0540</b>	<b>9.2000e-004</b>	<b>0.0549</b>		<b>175.0016</b>	<b>175.0016</b>	<b>3.4700e-003</b>	<b>7.8100e-003</b>	<b>177.4167</b>

De Anza Amendment - San Diego Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.5 Building Construction - 2039**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904		2,897.5468	2,897.5468	0.1079		2,900.2448
<b>Total</b>	<b>1.2168</b>	<b>7.1613</b>	<b>16.1178</b>	<b>0.0310</b>		<b>0.0904</b>	<b>0.0904</b>		<b>0.0904</b>	<b>0.0904</b>		<b>2,897.5468</b>	<b>2,897.5468</b>	<b>0.1079</b>		<b>2,900.2448</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9500e-003	0.0790	0.0287	3.3000e-004	0.0136	4.9000e-004	0.0140	3.9000e-003	4.7000e-004	4.3700e-003		36.0449	36.0449	1.6600e-003	5.2100e-003	37.6396
Worker	0.0312	0.0164	0.3282	1.2500e-003	0.1889	4.9000e-004	0.1894	0.0501	4.5000e-004	0.0506		138.9567	138.9567	1.8100e-003	2.6000e-003	139.7771
<b>Total</b>	<b>0.0332</b>	<b>0.0953</b>	<b>0.3569</b>	<b>1.5800e-003</b>	<b>0.2025</b>	<b>9.8000e-004</b>	<b>0.2035</b>	<b>0.0540</b>	<b>9.2000e-004</b>	<b>0.0549</b>		<b>175.0016</b>	<b>175.0016</b>	<b>3.4700e-003</b>	<b>7.8100e-003</b>	<b>177.4167</b>

De Anza Amendment - San Diego Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.5 Building Construction - 2039**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904	0.0000	2,897.5468	2,897.5468	0.1079		2,900.2448
<b>Total</b>	<b>1.2168</b>	<b>7.1613</b>	<b>16.1178</b>	<b>0.0310</b>		<b>0.0904</b>	<b>0.0904</b>		<b>0.0904</b>	<b>0.0904</b>	<b>0.0000</b>	<b>2,897.5468</b>	<b>2,897.5468</b>	<b>0.1079</b>		<b>2,900.2448</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9500e-003	0.0790	0.0287	3.3000e-004	0.0136	4.9000e-004	0.0140	3.9000e-003	4.7000e-004	4.3700e-003		36.0449	36.0449	1.6600e-003	5.2100e-003	37.6396
Worker	0.0312	0.0164	0.3282	1.2500e-003	0.1889	4.9000e-004	0.1894	0.0501	4.5000e-004	0.0506		138.9567	138.9567	1.8100e-003	2.6000e-003	139.7771
<b>Total</b>	<b>0.0332</b>	<b>0.0953</b>	<b>0.3569</b>	<b>1.5800e-003</b>	<b>0.2025</b>	<b>9.8000e-004</b>	<b>0.2035</b>	<b>0.0540</b>	<b>9.2000e-004</b>	<b>0.0549</b>		<b>175.0016</b>	<b>175.0016</b>	<b>3.4700e-003</b>	<b>7.8100e-003</b>	<b>177.4167</b>

De Anza Amendment - San Diego Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.5 Building Construction - 2040**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1970	6.8903	16.1185	0.0310		0.0737	0.0737		0.0737	0.0737		2,897.547 1	2,897.547 1	0.1041		2,900.150 3
<b>Total</b>	<b>1.1970</b>	<b>6.8903</b>	<b>16.1185</b>	<b>0.0310</b>		<b>0.0737</b>	<b>0.0737</b>		<b>0.0737</b>	<b>0.0737</b>		<b>2,897.547 1</b>	<b>2,897.547 1</b>	<b>0.1041</b>		<b>2,900.150 3</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9400e-003	0.0785	0.0289	3.2000e-004	0.0136	4.8000e-004	0.0140	3.9000e-003	4.6000e-004	4.3600e-003		34.6393	34.6393	1.6800e-003	5.0200e-003	36.1776
Worker	0.0248	0.0144	0.3014	1.2000e-003	0.1889	3.9000e-004	0.1893	0.0501	3.6000e-004	0.0505		135.2003	135.2003	1.4400e-003	2.4700e-003	135.9730
<b>Total</b>	<b>0.0267</b>	<b>0.0929</b>	<b>0.3303</b>	<b>1.5200e-003</b>	<b>0.2025</b>	<b>8.7000e-004</b>	<b>0.2034</b>	<b>0.0540</b>	<b>8.2000e-004</b>	<b>0.0548</b>		<b>169.8395</b>	<b>169.8395</b>	<b>3.1200e-003</b>	<b>7.4900e-003</b>	<b>172.1506</b>

De Anza Amendment - San Diego Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.5 Building Construction - 2040**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1970	6.8903	16.1185	0.0310		0.0737	0.0737		0.0737	0.0737	0.0000	2,897.547 1	2,897.547 1	0.1041		2,900.150 3
<b>Total</b>	<b>1.1970</b>	<b>6.8903</b>	<b>16.1185</b>	<b>0.0310</b>		<b>0.0737</b>	<b>0.0737</b>		<b>0.0737</b>	<b>0.0737</b>	<b>0.0000</b>	<b>2,897.547 1</b>	<b>2,897.547 1</b>	<b>0.1041</b>		<b>2,900.150 3</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9400e-003	0.0785	0.0289	3.2000e-004	0.0136	4.8000e-004	0.0140	3.9000e-003	4.6000e-004	4.3600e-003		34.6393	34.6393	1.6800e-003	5.0200e-003	36.1776
Worker	0.0248	0.0144	0.3014	1.2000e-003	0.1889	3.9000e-004	0.1893	0.0501	3.6000e-004	0.0505		135.2003	135.2003	1.4400e-003	2.4700e-003	135.9730
<b>Total</b>	<b>0.0267</b>	<b>0.0929</b>	<b>0.3303</b>	<b>1.5200e-003</b>	<b>0.2025</b>	<b>8.7000e-004</b>	<b>0.2034</b>	<b>0.0540</b>	<b>8.2000e-004</b>	<b>0.0548</b>		<b>169.8395</b>	<b>169.8395</b>	<b>3.1200e-003</b>	<b>7.4900e-003</b>	<b>172.1506</b>

De Anza Amendment - San Diego Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.5 Building Construction - 2041**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1970	6.8903	16.1185	0.0310		0.0737	0.0737		0.0737	0.0737		2,897.547 1	2,897.547 1	0.1041		2,900.150 3
<b>Total</b>	<b>1.1970</b>	<b>6.8903</b>	<b>16.1185</b>	<b>0.0310</b>		<b>0.0737</b>	<b>0.0737</b>		<b>0.0737</b>	<b>0.0737</b>		<b>2,897.547 1</b>	<b>2,897.547 1</b>	<b>0.1041</b>		<b>2,900.150 3</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9400e-003	0.0785	0.0289	3.2000e-004	0.0136	4.8000e-004	0.0140	3.9000e-003	4.6000e-004	4.3600e-003		34.6393	34.6393	1.6800e-003	5.0200e-003	36.1776
Worker	0.0248	0.0144	0.3014	1.2000e-003	0.1889	3.9000e-004	0.1893	0.0501	3.6000e-004	0.0505		135.2003	135.2003	1.4400e-003	2.4700e-003	135.9730
<b>Total</b>	<b>0.0267</b>	<b>0.0929</b>	<b>0.3303</b>	<b>1.5200e-003</b>	<b>0.2025</b>	<b>8.7000e-004</b>	<b>0.2034</b>	<b>0.0540</b>	<b>8.2000e-004</b>	<b>0.0548</b>		<b>169.8395</b>	<b>169.8395</b>	<b>3.1200e-003</b>	<b>7.4900e-003</b>	<b>172.1506</b>



De Anza Amendment - San Diego Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.5 Building Construction - 2041**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1970	6.8903	16.1185	0.0310		0.0737	0.0737		0.0737	0.0737	0.0000	2,897.547 1	2,897.547 1	0.1041		2,900.150 3
<b>Total</b>	<b>1.1970</b>	<b>6.8903</b>	<b>16.1185</b>	<b>0.0310</b>		<b>0.0737</b>	<b>0.0737</b>		<b>0.0737</b>	<b>0.0737</b>	<b>0.0000</b>	<b>2,897.547 1</b>	<b>2,897.547 1</b>	<b>0.1041</b>		<b>2,900.150 3</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9400e-003	0.0785	0.0289	3.2000e-004	0.0136	4.8000e-004	0.0140	3.9000e-003	4.6000e-004	4.3600e-003		34.6393	34.6393	1.6800e-003	5.0200e-003	36.1776
Worker	0.0248	0.0144	0.3014	1.2000e-003	0.1889	3.9000e-004	0.1893	0.0501	3.6000e-004	0.0505		135.2003	135.2003	1.4400e-003	2.4700e-003	135.9730
<b>Total</b>	<b>0.0267</b>	<b>0.0929</b>	<b>0.3303</b>	<b>1.5200e-003</b>	<b>0.2025</b>	<b>8.7000e-004</b>	<b>0.2034</b>	<b>0.0540</b>	<b>8.2000e-004</b>	<b>0.0548</b>		<b>169.8395</b>	<b>169.8395</b>	<b>3.1200e-003</b>	<b>7.4900e-003</b>	<b>172.1506</b>

De Anza Amendment - San Diego Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.5 Building Construction - 2042**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1970	6.8903	16.1185	0.0310		0.0737	0.0737		0.0737	0.0737		2,897.547 1	2,897.547 1	0.1041		2,900.150 3
<b>Total</b>	<b>1.1970</b>	<b>6.8903</b>	<b>16.1185</b>	<b>0.0310</b>		<b>0.0737</b>	<b>0.0737</b>		<b>0.0737</b>	<b>0.0737</b>		<b>2,897.547 1</b>	<b>2,897.547 1</b>	<b>0.1041</b>		<b>2,900.150 3</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9400e-003	0.0785	0.0289	3.2000e-004	0.0136	4.8000e-004	0.0140	3.9000e-003	4.6000e-004	4.3600e-003		34.6393	34.6393	1.6800e-003	5.0200e-003	36.1776
Worker	0.0248	0.0144	0.3014	1.2000e-003	0.1889	3.9000e-004	0.1893	0.0501	3.6000e-004	0.0505		135.2003	135.2003	1.4400e-003	2.4700e-003	135.9730
<b>Total</b>	<b>0.0267</b>	<b>0.0929</b>	<b>0.3303</b>	<b>1.5200e-003</b>	<b>0.2025</b>	<b>8.7000e-004</b>	<b>0.2034</b>	<b>0.0540</b>	<b>8.2000e-004</b>	<b>0.0548</b>		<b>169.8395</b>	<b>169.8395</b>	<b>3.1200e-003</b>	<b>7.4900e-003</b>	<b>172.1506</b>

De Anza Amendment - San Diego Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.5 Building Construction - 2042**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1970	6.8903	16.1185	0.0310		0.0737	0.0737		0.0737	0.0737	0.0000	2,897.547 1	2,897.547 1	0.1041		2,900.150 3
<b>Total</b>	<b>1.1970</b>	<b>6.8903</b>	<b>16.1185</b>	<b>0.0310</b>		<b>0.0737</b>	<b>0.0737</b>		<b>0.0737</b>	<b>0.0737</b>	<b>0.0000</b>	<b>2,897.547 1</b>	<b>2,897.547 1</b>	<b>0.1041</b>		<b>2,900.150 3</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9400e-003	0.0785	0.0289	3.2000e-004	0.0136	4.8000e-004	0.0140	3.9000e-003	4.6000e-004	4.3600e-003		34.6393	34.6393	1.6800e-003	5.0200e-003	36.1776
Worker	0.0248	0.0144	0.3014	1.2000e-003	0.1889	3.9000e-004	0.1893	0.0501	3.6000e-004	0.0505		135.2003	135.2003	1.4400e-003	2.4700e-003	135.9730
<b>Total</b>	<b>0.0267</b>	<b>0.0929</b>	<b>0.3303</b>	<b>1.5200e-003</b>	<b>0.2025</b>	<b>8.7000e-004</b>	<b>0.2034</b>	<b>0.0540</b>	<b>8.2000e-004</b>	<b>0.0548</b>		<b>169.8395</b>	<b>169.8395</b>	<b>3.1200e-003</b>	<b>7.4900e-003</b>	<b>172.1506</b>

De Anza Amendment - San Diego Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.5 Building Construction - 2043**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1970	6.8903	16.1185	0.0310		0.0737	0.0737		0.0737	0.0737		2,897.547 1	2,897.547 1	0.1041		2,900.150 3
<b>Total</b>	<b>1.1970</b>	<b>6.8903</b>	<b>16.1185</b>	<b>0.0310</b>		<b>0.0737</b>	<b>0.0737</b>		<b>0.0737</b>	<b>0.0737</b>		<b>2,897.547 1</b>	<b>2,897.547 1</b>	<b>0.1041</b>		<b>2,900.150 3</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9400e-003	0.0785	0.0289	3.2000e-004	0.0136	4.8000e-004	0.0140	3.9000e-003	4.6000e-004	4.3600e-003		34.6393	34.6393	1.6800e-003	5.0200e-003	36.1776
Worker	0.0248	0.0144	0.3014	1.2000e-003	0.1889	3.9000e-004	0.1893	0.0501	3.6000e-004	0.0505		135.2003	135.2003	1.4400e-003	2.4700e-003	135.9730
<b>Total</b>	<b>0.0267</b>	<b>0.0929</b>	<b>0.3303</b>	<b>1.5200e-003</b>	<b>0.2025</b>	<b>8.7000e-004</b>	<b>0.2034</b>	<b>0.0540</b>	<b>8.2000e-004</b>	<b>0.0548</b>		<b>169.8395</b>	<b>169.8395</b>	<b>3.1200e-003</b>	<b>7.4900e-003</b>	<b>172.1506</b>

De Anza Amendment - San Diego Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.5 Building Construction - 2043**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1970	6.8903	16.1185	0.0310		0.0737	0.0737		0.0737	0.0737	0.0000	2,897.547 1	2,897.547 1	0.1041		2,900.150 3
<b>Total</b>	<b>1.1970</b>	<b>6.8903</b>	<b>16.1185</b>	<b>0.0310</b>		<b>0.0737</b>	<b>0.0737</b>		<b>0.0737</b>	<b>0.0737</b>	<b>0.0000</b>	<b>2,897.547 1</b>	<b>2,897.547 1</b>	<b>0.1041</b>		<b>2,900.150 3</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9400e-003	0.0785	0.0289	3.2000e-004	0.0136	4.8000e-004	0.0140	3.9000e-003	4.6000e-004	4.3600e-003		34.6393	34.6393	1.6800e-003	5.0200e-003	36.1776
Worker	0.0248	0.0144	0.3014	1.2000e-003	0.1889	3.9000e-004	0.1893	0.0501	3.6000e-004	0.0505		135.2003	135.2003	1.4400e-003	2.4700e-003	135.9730
<b>Total</b>	<b>0.0267</b>	<b>0.0929</b>	<b>0.3303</b>	<b>1.5200e-003</b>	<b>0.2025</b>	<b>8.7000e-004</b>	<b>0.2034</b>	<b>0.0540</b>	<b>8.2000e-004</b>	<b>0.0548</b>		<b>169.8395</b>	<b>169.8395</b>	<b>3.1200e-003</b>	<b>7.4900e-003</b>	<b>172.1506</b>

De Anza Amendment - San Diego Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.5 Building Construction - 2044**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1970	6.8903	16.1185	0.0310		0.0737	0.0737		0.0737	0.0737		2,897.547 1	2,897.547 1	0.1041		2,900.150 3
<b>Total</b>	<b>1.1970</b>	<b>6.8903</b>	<b>16.1185</b>	<b>0.0310</b>		<b>0.0737</b>	<b>0.0737</b>		<b>0.0737</b>	<b>0.0737</b>		<b>2,897.547 1</b>	<b>2,897.547 1</b>	<b>0.1041</b>		<b>2,900.150 3</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9400e-003	0.0785	0.0289	3.2000e-004	0.0136	4.8000e-004	0.0140	3.9000e-003	4.6000e-004	4.3600e-003		34.6393	34.6393	1.6800e-003	5.0200e-003	36.1776
Worker	0.0248	0.0144	0.3014	1.2000e-003	0.1889	3.9000e-004	0.1893	0.0501	3.6000e-004	0.0505		135.2003	135.2003	1.4400e-003	2.4700e-003	135.9730
<b>Total</b>	<b>0.0267</b>	<b>0.0929</b>	<b>0.3303</b>	<b>1.5200e-003</b>	<b>0.2025</b>	<b>8.7000e-004</b>	<b>0.2034</b>	<b>0.0540</b>	<b>8.2000e-004</b>	<b>0.0548</b>		<b>169.8395</b>	<b>169.8395</b>	<b>3.1200e-003</b>	<b>7.4900e-003</b>	<b>172.1506</b>

De Anza Amendment - San Diego Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.5 Building Construction - 2044**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1970	6.8903	16.1185	0.0310		0.0737	0.0737		0.0737	0.0737	0.0000	2,897.547 1	2,897.547 1	0.1041		2,900.150 3
<b>Total</b>	<b>1.1970</b>	<b>6.8903</b>	<b>16.1185</b>	<b>0.0310</b>		<b>0.0737</b>	<b>0.0737</b>		<b>0.0737</b>	<b>0.0737</b>	<b>0.0000</b>	<b>2,897.547 1</b>	<b>2,897.547 1</b>	<b>0.1041</b>		<b>2,900.150 3</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9400e-003	0.0785	0.0289	3.2000e-004	0.0136	4.8000e-004	0.0140	3.9000e-003	4.6000e-004	4.3600e-003		34.6393	34.6393	1.6800e-003	5.0200e-003	36.1776
Worker	0.0248	0.0144	0.3014	1.2000e-003	0.1889	3.9000e-004	0.1893	0.0501	3.6000e-004	0.0505		135.2003	135.2003	1.4400e-003	2.4700e-003	135.9730
<b>Total</b>	<b>0.0267</b>	<b>0.0929</b>	<b>0.3303</b>	<b>1.5200e-003</b>	<b>0.2025</b>	<b>8.7000e-004</b>	<b>0.2034</b>	<b>0.0540</b>	<b>8.2000e-004</b>	<b>0.0548</b>		<b>169.8395</b>	<b>169.8395</b>	<b>3.1200e-003</b>	<b>7.4900e-003</b>	<b>172.1506</b>

De Anza Amendment - San Diego Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.6 Paving - 2044**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0112	3.6566	15.8177	0.0281		0.1164	0.1164		0.1164	0.1164		2,656.5168	2,656.5168	0.0893		2,658.7489
Paving	0.0191					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.0303</b>	<b>3.6566</b>	<b>15.8177</b>	<b>0.0281</b>		<b>0.1164</b>	<b>0.1164</b>		<b>0.1164</b>	<b>0.1164</b>		<b>2,656.5168</b>	<b>2,656.5168</b>	<b>0.0893</b>		<b>2,658.7489</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0162	9.4000e-003	0.1965	7.8000e-004	0.1232	2.6000e-004	0.1235	0.0327	2.4000e-004	0.0329		88.1741	88.1741	9.4000e-004	1.6100e-003	88.6781
<b>Total</b>	<b>0.0162</b>	<b>9.4000e-003</b>	<b>0.1965</b>	<b>7.8000e-004</b>	<b>0.1232</b>	<b>2.6000e-004</b>	<b>0.1235</b>	<b>0.0327</b>	<b>2.4000e-004</b>	<b>0.0329</b>		<b>88.1741</b>	<b>88.1741</b>	<b>9.4000e-004</b>	<b>1.6100e-003</b>	<b>88.6781</b>



De Anza Amendment - San Diego Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.6 Paving - 2044**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0112	3.6566	15.8177	0.0281		0.1164	0.1164		0.1164	0.1164	0.0000	2,656.5168	2,656.5168	0.0893		2,658.7489
Paving	0.0191					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.0303</b>	<b>3.6566</b>	<b>15.8177</b>	<b>0.0281</b>		<b>0.1164</b>	<b>0.1164</b>		<b>0.1164</b>	<b>0.1164</b>	<b>0.0000</b>	<b>2,656.5168</b>	<b>2,656.5168</b>	<b>0.0893</b>		<b>2,658.7489</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0162	9.4000e-003	0.1965	7.8000e-004	0.1232	2.6000e-004	0.1235	0.0327	2.4000e-004	0.0329		88.1741	88.1741	9.4000e-004	1.6100e-003	88.6781
<b>Total</b>	<b>0.0162</b>	<b>9.4000e-003</b>	<b>0.1965</b>	<b>7.8000e-004</b>	<b>0.1232</b>	<b>2.6000e-004</b>	<b>0.1235</b>	<b>0.0327</b>	<b>2.4000e-004</b>	<b>0.0329</b>		<b>88.1741</b>	<b>88.1741</b>	<b>9.4000e-004</b>	<b>1.6100e-003</b>	<b>88.6781</b>

De Anza Amendment - San Diego Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.6 Paving - 2045**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0112	3.6566	15.8177	0.0281		0.1164	0.1164		0.1164	0.1164		2,656.5168	2,656.5168	0.0893		2,658.7489
Paving	0.0191					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.0303</b>	<b>3.6566</b>	<b>15.8177</b>	<b>0.0281</b>		<b>0.1164</b>	<b>0.1164</b>		<b>0.1164</b>	<b>0.1164</b>		<b>2,656.5168</b>	<b>2,656.5168</b>	<b>0.0893</b>		<b>2,658.7489</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0142	8.9100e-003	0.1888	7.7000e-004	0.1232	2.3000e-004	0.1235	0.0327	2.1000e-004	0.0329		87.1369	87.1369	8.3000e-004	1.5800e-003	87.6285
<b>Total</b>	<b>0.0142</b>	<b>8.9100e-003</b>	<b>0.1888</b>	<b>7.7000e-004</b>	<b>0.1232</b>	<b>2.3000e-004</b>	<b>0.1235</b>	<b>0.0327</b>	<b>2.1000e-004</b>	<b>0.0329</b>		<b>87.1369</b>	<b>87.1369</b>	<b>8.3000e-004</b>	<b>1.5800e-003</b>	<b>87.6285</b>

De Anza Amendment - San Diego Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.6 Paving - 2045**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0112	3.6566	15.8177	0.0281		0.1164	0.1164		0.1164	0.1164	0.0000	2,656.5168	2,656.5168	0.0893		2,658.7489
Paving	0.0191					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.0303</b>	<b>3.6566</b>	<b>15.8177</b>	<b>0.0281</b>		<b>0.1164</b>	<b>0.1164</b>		<b>0.1164</b>	<b>0.1164</b>	<b>0.0000</b>	<b>2,656.5168</b>	<b>2,656.5168</b>	<b>0.0893</b>		<b>2,658.7489</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0142	8.9100e-003	0.1888	7.7000e-004	0.1232	2.3000e-004	0.1235	0.0327	2.1000e-004	0.0329		87.1369	87.1369	8.3000e-004	1.5800e-003	87.6285
<b>Total</b>	<b>0.0142</b>	<b>8.9100e-003</b>	<b>0.1888</b>	<b>7.7000e-004</b>	<b>0.1232</b>	<b>2.3000e-004</b>	<b>0.1235</b>	<b>0.0327</b>	<b>2.1000e-004</b>	<b>0.0329</b>		<b>87.1369</b>	<b>87.1369</b>	<b>8.3000e-004</b>	<b>1.5800e-003</b>	<b>87.6285</b>

De Anza Amendment - San Diego Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.7 Architectural Coating - 2045**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.1408					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1149	0.7270	1.7923	2.9700e-003		7.4300e-003	7.4300e-003		7.4300e-003	7.4300e-003		281.4481	281.4481	9.9000e-003		281.6957
<b>Total</b>	<b>0.2557</b>	<b>0.7270</b>	<b>1.7923</b>	<b>2.9700e-003</b>		<b>7.4300e-003</b>	<b>7.4300e-003</b>		<b>7.4300e-003</b>	<b>7.4300e-003</b>		<b>281.4481</b>	<b>281.4481</b>	<b>9.9000e-003</b>		<b>281.6957</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0142	8.9100e-003	0.1888	7.7000e-004	0.1232	2.3000e-004	0.1235	0.0327	2.1000e-004	0.0329		87.1369	87.1369	8.3000e-004	1.5800e-003	87.6285
<b>Total</b>	<b>0.0142</b>	<b>8.9100e-003</b>	<b>0.1888</b>	<b>7.7000e-004</b>	<b>0.1232</b>	<b>2.3000e-004</b>	<b>0.1235</b>	<b>0.0327</b>	<b>2.1000e-004</b>	<b>0.0329</b>		<b>87.1369</b>	<b>87.1369</b>	<b>8.3000e-004</b>	<b>1.5800e-003</b>	<b>87.6285</b>

De Anza Amendment - San Diego Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.7 Architectural Coating - 2045**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.1408					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1149	0.7270	1.7923	2.9700e-003		7.4300e-003	7.4300e-003		7.4300e-003	7.4300e-003	0.0000	281.4481	281.4481	9.9000e-003		281.6957
<b>Total</b>	<b>0.2557</b>	<b>0.7270</b>	<b>1.7923</b>	<b>2.9700e-003</b>		<b>7.4300e-003</b>	<b>7.4300e-003</b>		<b>7.4300e-003</b>	<b>7.4300e-003</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>9.9000e-003</b>		<b>281.6957</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0142	8.9100e-003	0.1888	7.7000e-004	0.1232	2.3000e-004	0.1235	0.0327	2.1000e-004	0.0329		87.1369	87.1369	8.3000e-004	1.5800e-003	87.6285
<b>Total</b>	<b>0.0142</b>	<b>8.9100e-003</b>	<b>0.1888</b>	<b>7.7000e-004</b>	<b>0.1232</b>	<b>2.3000e-004</b>	<b>0.1235</b>	<b>0.0327</b>	<b>2.1000e-004</b>	<b>0.0329</b>		<b>87.1369</b>	<b>87.1369</b>	<b>8.3000e-004</b>	<b>1.5800e-003</b>	<b>87.6285</b>

De Anza Amendment - San Diego Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	9.8237	8.2854	85.3115	0.1832	24.6028	0.1061	24.7088	6.5524	0.0990	6.6513		20,197.3646	20,197.3646	1.3325	0.8398	20,480.9244
Unmitigated	9.8237	8.2854	85.3115	0.1832	24.6028	0.1061	24.7088	6.5524	0.0990	6.6513		20,197.3646	20,197.3646	1.3325	0.8398	20,480.9244

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	5,476.24	4,847.59	5476.24	11,499,241	11,499,241
Parking Lot	0.00	0.00	0.00		
Total	5,476.24	4,847.59	5,476.24	11,499,241	11,499,241

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.581445	0.061322	0.168269	0.110400	0.022610	0.006703	0.010268	0.006246	0.000647	0.000667	0.027159	0.000784	0.003479
Parking Lot	0.581445	0.061322	0.168269	0.110400	0.022610	0.006703	0.010268	0.006246	0.000647	0.000667	0.027159	0.000784	0.003479

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**6.0 Area Detail**



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.3822	1.3000e-004	0.0143	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0309	0.0309	8.0000e-005		0.0329
Unmitigated	0.3822	1.3000e-004	0.0143	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0309	0.0309	8.0000e-005		0.0329

**6.2 Area by SubCategory**

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3809					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.3100e-003	1.3000e-004	0.0143	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0309	0.0309	8.0000e-005		0.0329
<b>Total</b>	<b>0.3822</b>	<b>1.3000e-004</b>	<b>0.0143</b>	<b>0.0000</b>		<b>5.0000e-005</b>	<b>5.0000e-005</b>		<b>5.0000e-005</b>	<b>5.0000e-005</b>		<b>0.0309</b>	<b>0.0309</b>	<b>8.0000e-005</b>		<b>0.0329</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3809					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.3100e-003	1.3000e-004	0.0143	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0309	0.0309	8.0000e-005		0.0329
<b>Total</b>	<b>0.3822</b>	<b>1.3000e-004</b>	<b>0.0143</b>	<b>0.0000</b>		<b>5.0000e-005</b>	<b>5.0000e-005</b>		<b>5.0000e-005</b>	<b>5.0000e-005</b>		<b>0.0309</b>	<b>0.0309</b>	<b>8.0000e-005</b>		<b>0.0329</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

De Anza Amendment - San Diego Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

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**Fire Pumps and Emergency Generators**

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**11.0 Vegetation**

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