

MEMORANDUM

To: Brigid Skoog, 1784 Capital Holdings, LLC
From: Adam Poll and Samantha Wang, Dudek
Subject: Kellogg Self Storage Project
Air Quality and Greenhouse Gas Emissions Assessment
Date: September 12, 2019
cc: Jennifer Reed, Dudek
Attachment(s): A CalEEMod Output – Schwan Self Storage Project Construction and Operational Emissions

B CalEEMod Output – Kellogg Self Storage Project Construction and Operational Emissions

Dudek is pleased to submit this focused air quality and greenhouse gas (GHG) emission assessment to assist 1784 Capital Holdings, LLC (the applicant) with environmental planning requirements for the proposed Kellogg Self Storage Project located at 10 South Kellogg Avenue in the City of Goleta (City), California. The updated project, as described in the City’s Case No. 19-032-DPAM, provides the basis for this assessment (collectively, the “Amended Project”). This memorandum estimates criteria air pollutant and GHG emissions from construction and operation of the proposed Amended Project and compares them to the originally proposed project evaluated in the Schwan Self Storage Project Air Quality and Greenhouse Gas Emissions Assessment Memorandum, prepared by Dudek on June 29, 2017 (hereinafter referred to as the “2017 Memo” or “Original Project”). This assessment also compares the estimated Amended Project emissions to the Santa Barbara County Air Pollution Control District (SBCAPCD) emissions-based thresholds and the conclusions provided in the 2017 Memo. The analysis contained herein is based on updated Project information provided by the applicant.

The contents and organization of this memorandum are as follows: 1) project description and background; 2) general assessment and methodology, including construction and operation assumptions; 3) air quality assessment 4) GHG emissions assessment; 5) conclusions; and 6) references cited.

1 Project Description and Background

The proposed Amended Project is an update to the previously evaluated Schwan Self Storage Project in the 2017 Memo located at 10 South Kellogg Avenue within the City. The Original Project includes 863 storage units; a gross floor area of 135,741 square feet; grading of 13,365 cubic yards of cut and 1,950 cubic yards of fill with 11,400 cubic yards of soil export; and 24 total parking spaces.

The Amended Project increases the total number of storage units from 863 units to 1,043 units in the Amended Project and the gross floor area will increase from 135,741 square feet to 136,067 square feet. Grading is estimated to be 13,970 cubic yards of cut and 700 cubic yards of fill with 13,270 cubic yards of export. The Amended Project will also reduce the total number of parking spaces to 17, from 24.

2 General Assessment and Methodology

The Project site is located within the South Central Coast Air Basin, which includes Ventura County, Santa Barbara County, and San Luis Obispo County, and is within the jurisdictional boundaries of the SBCAPCD. Project-generated criteria air pollutant and GHG emissions are estimated using the California Emissions Estimator Model (CalEEMod) Version 2016.3.2.

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. Criteria air pollutants that are evaluated include reactive organic compounds (ROCs; also referred to as volatile organic compounds (VOCs) and reactive organic gases (ROGs)), oxides of nitrogen (NO_x), carbon monoxide (CO), sulfur oxides (SO_x), particulate matter with an aerodynamic diameter less than or equal to 10 microns in size (PM₁₀), and particulate matter with an aerodynamic diameter less than or equal to 2.5 microns in size (PM_{2.5}). ROCs and NO_x are important because they are precursors to ozone (O₃). Criteria air pollutant emissions associated with construction of the Amended Project and the Original Project were estimated for the following emission sources: operation of off-road construction equipment, on-road hauling and vendor (material delivery) trucks, and worker vehicles. Project operational emission sources evaluated include mobile sources (vehicle trips) and area sources (consumer product use, architectural coatings, energy use, and landscape maintenance equipment).

GHGs are gases that absorb infrared radiation in the atmosphere. The greenhouse effect is a natural process that contributes to regulating the Earth's temperature. Global climate change concerns are focused on whether human activities are leading to an enhancement of the greenhouse effect. Principal GHGs include carbon dioxide (CO₂), methane (CH₄), nitrous oxide (N₂O), O₃, and water vapor. If the atmospheric concentrations of GHGs rise, the average temperature of the lower atmosphere will gradually increase. Globally, climate change has the potential to impact numerous environmental resources though uncertain impacts related to future air temperatures and precipitation patterns. Although climate change is driven by global atmospheric conditions, climate change impacts are felt locally. Climate change is already affecting California: average temperatures have increased, leading to more extreme hot days and fewer cold nights; shifts in the water cycle have been observed, with less winter precipitation falling as snow, and both snowmelt and rainwater running off earlier in the year; sea levels have risen; and wildland fires are becoming more frequent and intense due to dry seasons that start earlier and end later (CAT 2016).

The effect each GHG has on climate change is measured as a combination of the mass of its emissions and the potential of a gas or aerosol to trap heat in the atmosphere, known as its global warming potential (GWP), which varies among GHGs. Total GHG emissions are expressed as a function of how much warming would be caused by the same mass of CO₂. Thus, GHG emissions are typically measured in terms of metric tons of CO₂ equivalent (MT CO₂e).

Global climate change is a cumulative impact; a project participates in this potential impact through its incremental contribution combined with the cumulative increase of all other sources of GHGs (SBCAPCD 2015a). This approach is consistent with the Final Statement of Reasons for Regulatory Action for amendments to the California Environmental Quality Act (CEQA) Guidelines, which confirms that an environmental impact report or other environmental document must analyze the incremental contribution of a project to GHG levels and determine whether those emissions are cumulatively considerable (CNRA 2009).

GHG emissions associated with construction of the Amended Project and the originally proposed project evaluated in the 2017 Memo were estimated for the following emission sources: operation of off-road construction equipment, on-road hauling and vendor trucks, and worker vehicles. GHG emission sources associated with operation of the Amended Project were evaluated for energy use (natural gas consumed by the Project) and Project-generated vehicular traffic. The results of the Amended Project were then compared to the results Original Project.

2.1 Construction Assumptions

Construction emissions were modeled for the Amended Project and the originally proposed project evaluated in the 2017 Memo. The Original Project evaluated in the 2017 Memo included development of 863 storage units. The Amended Project includes development of 1,043 storage units. Emissions for the Amended Project were estimated to determine the difference in construction emissions from the 2017 Memo. Estimated emissions were based on construction information provided by the project applicant (1784 Capital Holdings, LLC) and the previous assessment contained in the 2017 Memo. CalEEMod default values were utilized when project specific information was not available. Construction phasing (phase type and sequence) for the Amended Project was kept consistent with the 2017 Memo; however, the schedule and duration of each phase was updated to reflect the Project changes. The assessment contained herein is based on the following assumptions for the original and the Amended Projects (duration of phases is approximate):

Estimated Construction Phasing for the Original Project in the 2017 Memo

- Demolition – 20 days
- Grading – 52 days
- Building Construction – 213 days
- Paving – 10 days
- Application of Architectural Coatings – 29 days

Estimated Construction Phasing for Amended Project

- Demolition – 20 days
- Grading – 58 days
- Building Construction – 235 days
- Paving – 10 days
- Application of Architectural Coatings – 32 days

The variety of construction equipment used for estimating the construction emissions for the 2017 Memo and the Amended Project is shown in Table 1, Construction Scenario Assumptions. The Amended Project assumed the same construction equipment as assumed in the 2017 Memo as well as the hours of operation durations. Worker vehicle trips and vendor truck trips were based on CalEEMod default values. Haul truck assumptions for the Amended Project were based on the site plan assumption of 13,270 cubic yards of export and a 15 cubic yard truck.

Table 1
Construction Scenario Assumptions

| Construction Phase | One-Way Vehicle Trips | | | Equipment | | |
|------------------------------------|----------------------------|----------------------------------|------------------------|---------------------------|----------|-------------|
| | Average Daily Worker Trips | Average Daily Vendor Truck Trips | Total Haul Truck Trips | Type | Quantity | Usage Hours |
| 2017 Memo | | | | | | |
| Demolition | 14 | 0 | 32 | Concrete/Industrial Saws | 1 | 8 |
| | | | | Rubber Tired Dozers | 1 | 8 |
| | | | | Tractors/Loaders/Backhoes | 3 | 8 |
| Grading | 10 | 0 | 1,520 | Graders | 1 | 6 |
| | | | | Rubber Tired Dozers | 1 | 6 |
| | | | | Tractors/Loaders/Backhoes | 1 | 7 |
| Building Construction | 76 | 68 | 0 | Cranes | 1 | 4 |
| | | | | Forklifts | 2 | 6 |
| | | | | Tractors/Loaders/Backhoes | 1 | 8 |
| Paving | 18 | 0 | 0 | Pavers | 1 | 7 |
| | | | | Tractors/Loaders/Backhoes | 1 | 7 |
| | | | | Rollers | 1 | 7 |
| | | | | Cement and Mortar Mixers | 4 | 6 |
| Architectural Coating ¹ | 16 | 0 | 0 | NA | - | - |
| Amended Project | | | | | | |
| Demolition | 14 | 0 | 32 | Concrete/Industrial Saws | 1 | 8 |
| | | | | Rubber Tired Dozers | 1 | 8 |
| | | | | Tractors/Loaders/Backhoes | 3 | 8 |
| Grading | 10 | 0 | 1,770 | Graders | 1 | 6 |
| | | | | Rubber Tired Dozers | 1 | 6 |
| | | | | Tractors/Loaders/Backhoes | 1 | 7 |
| Building Construction | 76 | 68 | 0 | Cranes | 1 | 4 |
| | | | | Forklifts | 2 | 6 |
| | | | | Tractors/Loaders/Backhoes | 1 | 8 |
| Paving | 18 | 0 | 0 | Pavers | 1 | 7 |
| | | | | Tractors/Loaders/Backhoes | 1 | 7 |
| | | | | Rollers | 1 | 7 |
| | | | | Cement and Mortar Mixers | 4 | 6 |
| Architectural Coating ¹ | 16 | 0 | 0 | NA | - | - |

Notes: See Attachments A and B for details.

2.2 Operation Assumptions

As previously described in Section 1, Project Description and Background, the Amended Project would include development of 1,043 storage units instead of the 863 storage units previously analyzed in the 2017 Memo. Table 2, Operational Scenario Assumptions, presents a summary of the 2017 Memo and the Amended Project's proposed land uses, as well as an identification of the net change between the Amended Project and the Original Project in the 2017 Memo.

Table 2
Operational Scenario Assumptions

| Land Use Type | Units | 2017 Memo | Amended Project | Net Change (Amended Project Decrease) |
|------------------|-------------|-----------|-----------------|---|
| Gross Floor Area | Square Feet | 135,741 | 136,067 | 326 |
| Storage Units | Units | 863 | 1,043 | 180 |
| Parking | Spaces | 26 | 17 | (9) |

Source: City of Goleta 2019

As shown in Table 2, the Amended Project would include an additional 180 storage units and 326 square feet and 9 fewer parking spaces compared to the 2017 Memo.

The Amended Project and 2017 Memo-generated trip generation factor for mini storage units were based on 2017 Traffic Study (ATE 2017) which showed an average daily trip rate of 0.25 trips per storage unit. This trip rate was used for both the 2017 Memo and Amended Project.

3 Air Quality Assessment

3.1 Thresholds of Significance

The purpose of this focused memorandum is to compare Amended Project-generated construction and operational emissions to the original 2017 Memo-generated emissions as they relate to the 2017 Memo impact conclusions. For ease of reference, thresholds related to the potential for a project to generate criteria air pollutant emissions that would potentially result in a significant impact are summarized below. The relevant thresholds from the State of California's CEQA guidelines, the SBCAPCD *Scope and Content of Air Quality Sections in Environmental Documents*, and the City's *Environmental Thresholds and Guidelines Manual* are also presented below.

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

- Violate any air quality standard or contribute substantially to an existing or projected air quality violation.

As provided in the SBCAPCD's *Scope and Content of Air Quality Sections in Environmental Documents* (SBCAPCD 2015a), a project would have a significant air quality effect on the environment if operation of the project would:

- Emit (from all project sources, both stationary and mobile) more than the daily trigger for offsets or Air Quality Impact Analysis set in the SBCAPCD New Source Review Rule,¹ for any pollutant (i.e., 240 pounds per day for ROC or NO_x; and 80 pounds per day for PM₁₀);
- Emit 25 pounds per day or more of NO_x or ROC from motor vehicle trips only; or
- Cause or contribute to a violation of any California or National Ambient Air Quality Standard (except O₃).

The SBCAPCD does not currently have quantitative thresholds of significance in place for short-term construction emissions; however, the SBCAPCD uses 25 tons per year for any pollutant² as a guideline for determining the significance of construction impacts (Barham, pers. comm. 2015).

In addition, pursuant to the City's *Environmental Thresholds and Guidelines Manual*, a significant adverse air quality impact may occur when a project, individually or cumulatively, triggers either of the following (City of Goleta 2002):

- Interferes with progress toward the attainment of the O₃ standard by releasing emissions which equal or exceed the established long-term quantitative thresholds for NO_x and ROC
- Equals or exceeds the state or federal ambient air quality standards for any criteria pollutant (as determined by modeling)

The City does not specify quantitative thresholds of significance for short-term construction emissions because construction emissions from land development projects are assumed to have already been accounted for in the SBCAPCD's Clean Air Plan (City of Goleta 2006). However, because the region does not meet the state standards for O₃ and PM₁₀, the City requires implementation of standard emission and dust control techniques for all construction, as outlined in General Plan (GP)/Coastal Land Use Plan (CLUP) Policy CE 12.3 and listed as mitigation measures in the City's GP/CLUP Final Environmental Impact Report (FEIR) Air Quality section (City of Goleta 2006), to ensure that these emissions remain less than significant.

¹ The SBCAPCD New Source Review Rule as it existed at the time the SBCAPCD Environmental Review Guidelines were adopted in October 1995 and were subsequently revised in April 2015 (SBCAPCD 2015b).

² The 25 tons per year guideline is based on the SBCAPCD rule for stationary source construction emissions offsets (Rule 202 D.16), which considers any pollutant (i.e., all pollutants for which an AAQS has been established by the U.S. Environmental Protection Agency or the California Air Resources Board and the precursors to such pollutants), except CO. The SBCAPCD staff recommends that for CEQA assessments for typical land use projects that all criteria air pollutants estimated, which typically include ROC, NO_x, CO, SO_x, PM₁₀, and PM_{2.5}, be compared to the guideline of 25 tons per year (Barham, pers. comm. 2015). The approach utilized in this air quality assessment is consistent with the direction provided by the SBCAPCD staff.

3.2 Impact Assessment

3.2.1 Construction Criteria Air Pollutant Emission Assessment

Construction of either the Amended Project or the 2017 Memo would result in a temporary addition of pollutants to the local airshed. 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. Therefore, such emission levels can only be approximately estimated with a corresponding uncertainty in precise ambient air quality impacts.

Criteria air pollutant emissions associated with construction activity were quantified using CalEEMod. Default values provided by the model were used where detailed Project information was not available. A detailed depiction of the construction schedule—including information regarding phasing, equipment used during each phase, haul trucks, vendor trucks, and worker vehicles—is included in Section 2.1, Construction Assumptions, of this memorandum.

Implementation of the Project is anticipated to generate construction-related criteria air pollutant emissions from soil disturbance (fugitive dust), equipment and vehicle exhaust emissions (combustion pollutants), paving, and architectural coatings. Entrained dust results from the exposure of earth surfaces to wind from the direct disturbance and movement of soil, resulting in PM₁₀ and PM_{2.5} emissions. Because the County of Santa Barbara (County) is currently in nonattainment for the state PM₁₀ standard, standard dust control measures are required for all discretionary construction activities (regardless of the significance of the fugitive dust impacts), based on policies in the 1979 Air Quality Attainment Plan (SBCAPCD 2015a). Exhaust from internal combustion engines used by construction equipment, haul trucks (dump trucks), vendor trucks (delivery trucks), and worker vehicles would result in emissions of ROC, NO_x, CO, SO_x, PM₁₀, and PM_{2.5}. The application of architectural coatings, such as exterior/interior paint and pavement coatings, would also produce ROC emissions; however, the contractor is required to procure architectural coatings from a supplier in compliance with the requirements of SBCAPCD Rule 323.1 (Architectural Coatings).

Table 3, Estimated Annual Construction Emissions for the 2017 Memo and Amended Project, shows the estimated tons per year of construction emissions associated with the buildout of the Original Project and the Amended Project. The Amended Project's estimated emissions were modelled using CalEEMod.

Table 3
Estimated Annual Construction Emissions for the
Original Project and Amended Project

| | ROC | NO _x | CO | SO _x | PM ₁₀ | PM _{2.5} |
|---|-------------|-----------------|-------------|-----------------|------------------|-------------------|
| tons per year | | | | | | |
| Original Project | | | | | | |
| 2017 | 0.25 | 2.86 | 1.58 | <0.01 | 0.34 | 0.20 |
| 2018 | 1.62 | 0.28 | 0.20 | <0.01 | 0.03 | 0.01 |
| Total | 1.87 | 3.14 | 1.78 | <0.01 | 0.37 | 0.21 |
| Amended Project | | | | | | |
| 2017 | 0.45 | 2.96 | 1.62 | <0.01 | 0.36 | 0.21 |
| 2018 | 1.43 | 0.46 | 0.30 | <0.01 | 0.04 | 0.02 |
| Total | 1.88 | 3.42 | 1.92 | <0.01 | 0.40 | 0.23 |
| Net Annual Project Emissions (Amended Project Decreases) | 0.01 | 0.28 | 0.14 | <0.01 | 0.03 | 0.02 |

Notes: See Attachments A and B for detailed results.

ROC = reactive organic compounds; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM₁₀ = coarse particulate matter; PM_{2.5} = fine particulate matter; <0.01 = value reported is less than 0.01.

As shown in Table 3, the annual construction emissions estimated for the Original Project would not exceed the SBCAPCD threshold guidelines of 25 tons per year for any pollutant. Buildout of the Amended Project would result in a slight increase in estimated annual construction emissions for all criteria air pollutants compared to the Original Project. This can be accounted for by the increase in square footage and the increased grading quantities of the Amended Project compared to the 2017 Memo. The Amended Project's emissions still do not exceed the SBCAPCD threshold guidelines for construction. While the Amended Project would result in a slight increase in construction emissions, this minor increase in construction emissions would not represent a substantial change in Project-generated construction emissions and would not alter the impact significance conclusions of the previous 2017 Memo.

3.2.2 Operational Criteria Air Pollutant Emission Assessment

Following the completion of construction activities, the Project would generate ROC, NO_x, CO, SO_x, PM₁₀, and PM_{2.5} emissions from mobile sources, including vehicular traffic generated by employees and customers; area sources, including the use of consumer products, architectural coatings for repainting, and landscape maintenance equipment; and energy sources, including combustion of fuels used for space and water heating. Emissions associated with Project-generated daily traffic were estimated based on the trip generation factor for mini storage units from the 2017 Traffic Memo (ATE 2017). CalEEMod default values, including emission factors and trip distances were conservatively used.

Project operation was assumed to be the first full year of operation upon completion of construction, 2019 for the 2017 Memo and the Amended Project, in order to provide an accurate comparison. In addition to estimating mobile source emissions, CalEEMod was also used to estimate emissions from Project area and energy sources. Area sources include gasoline- and diesel-powered landscape maintenance equipment, consumer products, and

architectural coatings for building maintenance. Energy sources include space and water heating, which are included in the total estimated area source emissions for the air quality assessment.

As with construction emissions, CalEEMod was used to estimate the operational emissions associated with the Amended Project and original project described in the 2017 Memo. The assessment contained herein uses emissions estimated using the current version of CalEEMod to determine the operational emissions that would result with the changes proposed in the Amended Project. Table 4, Estimated Maximum Daily Operational Emissions for the 2017 Memo and Amended Project, presents the maximum daily summer or winter emissions associated with operation of the Original Project described in the 2017 Memo and the Amended Project. Details of the emission calculations are provided in Attachments A and B.

Table 4
Estimated Maximum Daily Operational Emissions for the
Original Project and Amended Project

| | ROC | NO _x | CO | SO _x | PM ₁₀ | PM _{2.5} |
|---|-------------|-----------------|-------------|-----------------|------------------|-------------------|
| pounds per day | | | | | | |
| Original Project | | | | | | |
| Area Source Emissions ^a | 3.82 | 0.14 | 0.14 | 0.00 | 0.01 | 0.01 |
| Vehicular (Mobile) Source Emissions | 0.49 | 1.83 | 5.56 | 0.01 | 1.04 | 0.29 |
| Combined Total Emissions | 4.31 | 1.97 | 5.70 | 0.01 | 1.05 | 0.30 |
| <i>Vehicle Source Emissions Threshold</i> | 25 | 25 | — | — | N/A | — |
| Threshold Exceeded? | No | No | | | N/A | |
| <i>Area + Vehicle Source Emissions Threshold</i> | 240 | 240 | | | 80 | |
| Area + Vehicle Source Emissions Threshold Exceeded? | No | No | | | No | |
| Amended Project | | | | | | |
| Area Source Emissions ^a | 3.82 | 0.14 | 0.14 | 0.00 | 0.01 | 0.01 |
| Vehicular (Mobile) Source Emissions | 0.60 | 2.22 | 6.74 | 0.01 | 1.26 | 0.35 |
| Combined Total Emissions | 4.42 | 2.36 | 6.88 | 0.01 | 1.27 | 0.36 |
| <i>Vehicle Source Emissions Threshold</i> | 25 | 25 | — | — | N/A | — |
| Threshold Exceeded? | No | No | | | N/A | |
| <i>Area + Vehicle Source Emissions Threshold</i> | 240 | 240 | | | 80 | |
| Area + Vehicle Source Emissions Threshold Exceeded? | No | No | | | No | |
| Net Amended Project Emissions | | | | | | |
| Original Project | 4.31 | 1.97 | 5.70 | 0.01 | 1.05 | 0.30 |
| Amended Project | 4.42 | 2.36 | 6.88 | 0.01 | 1.27 | 0.36 |

Table 4
Estimated Maximum Daily Operational Emissions for the
Original Project and Amended Project

| | ROC | NO _x | CO | SO _x | PM ₁₀ | PM _{2.5} |
|--|----------------|-----------------|-------------|-----------------|------------------|-------------------|
| | pounds per day | | | | | |
| Net Change in Total Emissions (Amended Project Decreases) | 0.11 | 0.39 | 1.18 | <0.01 | 0.22 | 0.06 |

Notes: See Attachments A and B for detailed results.

Emissions presented are the maximum daily summer or winter emissions results from CalEEMod.

ROC = reactive organic compounds; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM₁₀ = coarse particulate matter; PM_{2.5} = fine particulate matter, lbs/day = pounds per day; <0.01 = value reported is less than 0.01.

^a Emissions associated with natural gas usage (energy source emissions) are included in the Area Source Emissions.

As shown in Table 4, the previously evaluated project in the 2017 Memo was determined not to exceed any of the SBCAPCD emission thresholds. Similarly, the Amended Project would not exceed any of the SBCAPCD emission thresholds. Compared to the Original Project, the Amended Project would increase all criteria pollutant emissions during operation. This is due to an increase in the vehicle trips associated with the increased number of storage units compared to the 2017 Memo.

The Amended Project would result in slight increase in operational emissions for pollutants with adopted significance thresholds (i.e., ROC, NO_x, CO, and PM₁₀) but would not exceed the adopted thresholds. Therefore, the Amended Project would not represent a substantial change in operational emissions from the Original Project and would not alter the impact conclusions of the 2017 Memo.

4 Greenhouse Gas Emission Assessment

4.1 Thresholds of Significance

4.1.1 CEQA Guidelines

With respect to GHG emissions, the CEQA Guidelines state in Section 15064.4(a) that lead agencies should “make a good faith effort, to the extent possible on scientific and factual data, to describe, calculate or estimate” GHG emissions. The CEQA Guidelines note that an agency may identify emissions by either selecting a “model or methodology” to quantify the emissions or by relying on “qualitative analysis or other performance based standards” (14 CCR 15000 et seq.). Section 15064.4(b) states that the lead agency should consider the following when assessing the significance of impacts from GHG emissions on the environment:

1. The extent a project may increase or reduce GHG emissions as compared to the existing environmental setting.
2. Whether the project emissions exceed a threshold of significance that the lead agency determines applies to the project.
3. The extent to which the project complies with regulations or requirements adopted to implement a statewide, regional, or local plan for the reduction or mitigation of GHG emissions (14 CCR 15064.4(b)).

In addition, Section 15064.7(c) of the CEQA Guidelines specifies that “[w]hen adopting thresholds of significance, a lead agency may consider thresholds of significance previously adopted or recommended by other public agencies, or recommended by experts, provided the decision of the lead agency to adopt such thresholds is supported by substantial evidence” (14 CCR 15064.7(c)). Similarly, the revisions to Appendix G, Environmental Checklist Form, which is often used as a basis for lead agencies’ selection of significance thresholds, do not prescribe specific thresholds. Rather, the CEQA Guidelines establish two new CEQA thresholds related to GHGs, and these will therefore be used to discuss significance of project impacts:

- Would the project generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment?
- Would the project conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs?

Accordingly, the CEQA Guidelines do not prescribe specific methodologies for performing an assessment, do not establish specific thresholds of significance, and do not mandate specific mitigation measures. Rather, the CEQA Guidelines emphasize the lead agency’s discretion to determine the appropriate methodologies and thresholds of significance consistent with the manner in which other impact areas are handled in CEQA (14 CCR 15000 et seq.).

4.1.2 Local Guidance

At this time, neither the SBCAPCD nor the City has adopted numerical thresholds of significance for GHG emissions that would apply to the proposed project. The SBCAPCD recently amended its Environmental Review Guidelines (SBCAPCD 2015b) to include GHG thresholds for stationary source land uses; however, the proposed project is not a stationary source and this guidance would not apply.³ The SBCAPCD, however, recommends that all projects subject to CEQA review be considered in the context of GHG emissions and climate change impacts, and that CEQA documents should include a quantification of GHG emissions from all project sources, direct and indirect, as applicable (SBCAPCD 2015a). In addition, the SBCAPCD recommends that climate change impacts be mitigated to the extent reasonably possible, whether or not they are determined to be significant.

Pursuant to direction provided by City staff in the Planning and Environmental Review Department, the City is currently referring to the Bay Area Air Quality Management District’s (BAAQMD’s) thresholds for GHG emissions as guidance for City project-level projects. In accordance with CEQA Guidelines Sections 15064.4(b)(2) and 15064.7(c), the City has consistently relied upon Santa Barbara County’s *Support for Use of BAAQMD GHG Emissions Standards* (County of Santa Barbara 2010) as the recommended basis and threshold for establishing the GHG impacts of a project. The BAAQMD/County of Santa Barbara Interim Thresholds of Significance for operational GHG emissions for projects other than stationary sources is as follows, where any of these criteria can be used to evaluate a project’s GHG emissions (BAAQMD 2017):

- 1,100 MT CO₂e per year;
- 4.6 MT CO₂e per service population per year (service population = residents + employees); or

³ The SBCAPCD defines stationary source projects as “equipment, processes and operations that require an SBCAPCD permit to operate” (SBCAPCD 2015b).

- Compliance with a Qualified Climate Action Plan.

The per-service population guideline is intended to avoid penalizing large projects that incorporate GHG-reduction measures such that they may have high total annual GHG emissions, but would be relatively efficient, as compared to projects of similar scale. Consistent with the BAAQMD's *CEQA Air Quality Guidelines*, the construction emissions associated with the proposed project (e.g., those from off-road equipment, worker vehicles) will be estimated and reported; however, the GHG threshold applies only to the operational emissions (BAAQMD 2017). Although the BAAQMD guidance does not indicate that the short-term GHG emissions from the construction phase should be included in the emissions compared to the established threshold, it is common practice for GHG analyses performed for proposed projects in the City to amortize construction emissions over the life of the project, which is typically assumed to be 30 years, and add those emissions to the estimated annual operational emissions. Therefore, the project's construction GHG emissions are amortized over 30 years and added to operational emissions for determination of significance.

The 2017 Memo used the BAAQMD bright-line threshold of 1,100 MT CO₂e per year to determine the significance of potential project-generated GHG impacts under CEQA. As such, this assessment references the BAAQMD bright-line threshold of 1,100 MT CO₂e per year.

4.2 Impact Assessment

4.2.1 Construction Greenhouse Gas Emission Assessment

As with the air quality assessment, full buildout of the 2017 Memo and the Amended Project were evaluated to estimate the net change in GHG emissions associated with the change of the Amended Project. The construction assessment assumed buildout conditions to evaluate the change in GHG construction emissions associated with buildout of the Amended Project compared to buildout of the 2017 Memo. Construction of either project would result in GHG emissions associated with use of off-road construction equipment, hauling trucks (dump trucks), vendor (material delivery) trucks, and worker vehicles. GHG emissions associated with temporary construction activity were quantified using CalEEMod. A detailed depiction of the construction schedule—including information regarding phasing, equipment utilized during each phase, haul trucks, vendor trucks, and worker vehicles—is included in Section 2.1, Construction Assumptions, of this memorandum. Emissions from on-site sources (i.e., off-road equipment) and off-site sources (i.e., hauling and vendor trucks and worker vehicles) are combined for the purposes of this assessment; a breakdown of emissions by source is provided in Attachments A and B.

Table 5, Estimated Annual Construction Greenhouse Gas Emissions for the 2017 Memo and Amended Project, presents a comparison between the GHG emissions associated with the construction of the original and the Amended Project. The 2017 Memo and Amended Project-generated construction emissions were estimated using CalEEMod to accurately compare the GHG emissions generated from the original and the Amended Project.

Table 5

Estimated Annual Construction Greenhouse Gas Emissions for the Original Project and Amended Project

| | CO ₂ e |
|--|-------------------|
| | metric tons |
| Original Project | |
| 2017 | 383.96 |
| 2018 | 44.66 |
| Total | 428.62 |
| Amended Project | |
| 2017 | 396.85 |
| 2018 | 74.82 |
| Total | 471.67 |
| Net Annual Project Emissions (Amended Project Increase) | 43.05 |

Notes: See Attachments A and B for detailed results.
CO₂e – carbon dioxide equivalent.

As shown in Table 5, the estimated GHG emissions generated during the construction of the Amended Project would be approximately 472 MT CO₂e. The Original Project previously proposed for the same location would have resulted in approximately 429 MT CO₂e.

Implementation of the Amended Project would, therefore, result in an increase of approximately 43 MT CO₂e in GHG emissions generated during construction. Based on the estimated GHG emissions presented in Table 5, implementation of the Amended Project would not represent a substantial change in constructions emissions and, therefore, would not alter the impact conclusions of the previous 2017 Memo.

4.2.2 Operational Greenhouse Gas Emission Analysis

Operation of the 2017 Memo or the Amended Project would result in GHG emissions from area sources, energy use, and mobile sources. GHG emissions associated with vehicle travel to and from the Project site were estimated using CalEEMod and were based on the trip generation factor for mini storage units were based on the 2017 Traffic Memo (ATE 2017). CalEEMod default values for mobile sources were used consistent with the assumptions used in the air quality impact analysis (Section 3.2.2, Operational Emissions Analysis).

The estimation of proposed non-mobile operational emissions was based on CalEEMod land use defaults and total area (i.e., square footage) of the proposed land use. Default electricity and natural gas use in CalEEMod were used for proposed building operation.

The estimated operational Project-generated GHG emissions from area sources (landscape maintenance), energy usage, and motor vehicles for the 2017 Memo compared with operational GHG emissions of the Amended Project for 2019 (i.e., first full year of project operation), respectively, are shown in Table 6, Estimated Annual Operational Greenhouse Gas Emissions for the 2017 Memo and Amended Project. For the purpose of this analysis, the Original Project and the Amended Project were modeled using the same version of CalEEMod to estimate the net emissions that would result with the change from the previously proposed Project.

Table 6
Estimated Annual Operational Greenhouse Gas Emissions for
the Original Project and Amended Project

| | CO ₂ e |
|---|----------------------|
| | metric tons per year |
| Original Project | |
| Area Sources | <0.01 |
| Energy Sources | 210.27 |
| Mobile Sources | 195.33 |
| Waste Sources | 59.35 |
| Water Sources | 73.57 |
| Amortized Construction Emissions | 14.29 |
| Total | 552.81 |
| Amended Project | |
| Area Sources | <0.01 |
| Energy Sources | 210.46 |
| Mobile Sources | 236.92 |
| Waste Sources | 59.49 |
| Water Sources | 73.75 |
| Amortized Construction Emissions | 15.72 |
| Total | 596.35 |
| Net Annual Project Emissions (Amended Project Decreases) | 43.54 |

Notes: See Attachments A and B for detailed results.
CO₂e – carbon dioxide equivalent; <0.01 = value reported is less than 0.01.

The Original Project in 2019 was estimated to generate 553 MT CO₂e per year including amortized construction GHG emissions. Therefore, the Original Project was found to be below the threshold of 1,100 MT CO₂e per year threshold. As shown in Table 6, estimated annual GHG emissions for the Amended Project would be approximately 596 MT CO₂e per year. The Amended Project would result in an increase of GHG emissions when compared to the Original Project due to the increase in mobile source emissions. However, the Amended Project would not exceed the significance threshold of 1,100 MT CO₂e per year.

The implementation of the Amended Project would result in an increase in GHG emissions during operation but would not exceed adopted thresholds. The GHG analysis presented above would not represent a substantial change in operational emissions and therefore, would not alter the impact conclusions of the previous 2017 Memo.

5 Conclusion

Criteria Air Pollutant Emissions

Construction Emissions

Construction of the Amended Project would result in a slight increase in estimated annual construction emissions for all criteria air pollutants compared to the Original Project. This can be accounted for by the increase in square footage and the increased grading quantities of the Amended Project compared to the Original Project. The estimated construction emissions from both the Original Project and the Amended Project would not exceed the SBCAPCD's threshold guidelines of 25 tons per year. Although the Amended Project would result in a slight increase of construction emissions associated with the increased excavation, this minor increase would not represent a substantial change in construction emissions, and therefore, would not alter conclusions of the previous 2017 Memo.

Operational Emissions

Operation of the Original Project and Amended Project would result in criteria pollutant emissions from area sources and vehicles. Both the Original Project and Amended Project's operational emissions did not exceed the SBCAPCD's significance thresholds. The Amended Project's increase in vehicle emissions (and total emissions) is correlated with the increase in the number of storage units compared to the Original Project.

As the Amended Project would not exceed the adopted significance thresholds, this would not represent a substantial change in operational emissions, and therefore, would not alter the impact conclusions of the previous 2017 Memo.

Greenhouse Gas Emissions

Construction Emissions

Construction of the Original Project and Amended Project would result in GHG emissions from combustion of fuels in construction equipment and vehicles. The estimated construction related GHG emissions for the Amended Project were 472 MT CO_{2e} compared to 429 MT CO_{2e} for the Original Project. There is not a construction only GHG significance threshold; therefore, for determining significance, the total GHG emissions during construction were amortized over the project's lifetime and added to the operational emissions. The construction of the Amended Project would, therefore, result in a slight increase of approximately 43 MT CO_{2e} in GHG emissions generated during construction. The GHG analysis for the Amended Project would not represent a substantial change in constructions emissions, and therefore, would not alter the impact conclusions of the previous 2017 Memo.

Operational Emissions

Construction of the Amended Project would result in a slight increase in estimated annual operational GHG emissions compared to the Original Project. The Original Project would emit 553 MT CO_{2e} per year from operation and amortized construction. The Amended Project-generated operational and amortized construction GHG emissions were estimated to be approximately 596 MT CO_{2e} per year, which represents an increase of 43 MT CO_{2e} per year compared with the Original Project's operational emissions. The 2017 Memo concluded that total

combined Project emissions did not exceed the BAAQMD threshold of 1,100 MT CO₂e per year threshold. Similarly, the Amended Project's estimated operational GHG emissions would not exceed the threshold.

The implementation of the Amended Project would result in an increase in GHG operational emissions due to the increased number of storage units. The GHG analysis presented above would not represent a substantial change in operational emissions and therefore, would not alter the impact conclusions of the previous 2017 Memo.

6 References

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Attachment A

CalEEMod Output – Schwan Self Storage Project
Construction and Operational Emissions

Schwan Storage - Santa Barbara-South of Santa Ynez Range County, Annual

Schwan Storage
Santa Barbara-South of Santa Ynez Range County, Annual

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|----------------------------------|--------|----------|-------------|--------------------|------------|
| Unrefrigerated Warehouse-No Rail | 135.74 | 1000sqft | 0.89 | 135,741.00 | 0 |
| Other Asphalt Surfaces | 0.95 | Acre | 0.95 | 41,382.00 | 0 |
| Parking Lot | 24.00 | Space | 0.22 | 9,600.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|--------------------------------|----------------------------|--------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.7 | Precipitation Freq (Days) | 37 |
| Climate Zone | 8 | | | Operational Year | 2019 |
| Utility Company | Southern California Edison | | | | |
| CO2 Intensity (lb/MWhr) | 702.44 | CH4 Intensity (lb/MWhr) | 0.029 | N2O Intensity (lb/MWhr) | 0.006 |

1.3 User Entered Comments & Non-Default Data

Schwan Storage - Santa Barbara-South of Santa Ynez Range County, Annual

Project Characteristics -

Land Use - Data provided by applicant.

Construction Phase - Data provided by applicant.

Off-road Equipment - No equipment.

Off-road Equipment - Data provided by applicant.

Off-road Equipment - CalEEMod defaults.

Off-road Equipment - Data provided by applicant.

Off-road Equipment - Data provided by applicant.

Trips and VMT - Data provided by applicant.

On-road Fugitive Dust -

Demolition - Based on existing buildings to be removed.

Grading - Data provided by applicant.

Architectural Coating -

Vehicle Trips - Provided by project-specific traffic study.

Consumer Products - CalEEMod defaults.

Area Coating - CalEEMod defaults.

Landscape Equipment - CalEEMod defaults.

Energy Use - CalEEMod defaults.

Water And Wastewater - CalEEMod defaults.

Solid Waste - CalEEMod defaults.

| Table Name | Column Name | Default Value | New Value |
|----------------------|------------------|---------------|-----------|
| tblConstructionPhase | NumDays | 10.00 | 29.00 |
| tblConstructionPhase | NumDays | 220.00 | 213.00 |
| tblConstructionPhase | NumDays | 6.00 | 54.00 |
| tblConstructionPhase | NumDays | 10.00 | 11.00 |
| tblGrading | MaterialExported | 0.00 | 11,400.00 |

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| | | | |
|---------------------|----------------------------|------------|------------|
| tblLandUse | LandUseSquareFeet | 135,740.00 | 135,741.00 |
| tblLandUse | LotAcreage | 3.12 | 0.89 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 4.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 6.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 4.00 |
| tblOffRoadEquipment | UsageHours | 7.00 | 6.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 6.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 7.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 7.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 6.00 |
| tblOffRoadEquipment | UsageHours | 6.00 | 8.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 7.00 |
| tblTripsAndVMT | HaulingTripNumber | 1,425.00 | 1,520.00 |
| tblTripsAndVMT | VendorTripNumber | 31.00 | 68.00 |
| tblTripsAndVMT | WorkerTripNumber | 13.00 | 14.00 |
| tblTripsAndVMT | WorkerTripNumber | 8.00 | 10.00 |
| tblTripsAndVMT | WorkerTripNumber | 78.00 | 76.00 |
| tblTripsAndVMT | WorkerTripNumber | 20.00 | 18.00 |
| tblVehicleTrips | ST_TR | 1.68 | 1.59 |
| tblVehicleTrips | SU_TR | 1.68 | 1.59 |
| tblVehicleTrips | WD_TR | 1.68 | 1.59 |

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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 | | | | | |
| 2017 | 0.2463 | 2.8646 | 1.5757 | 4.0200e-003 | 0.2332 | 0.1109 | 0.3441 | 0.0954 | 0.1027 | 0.1980 | 0.0000 | 382.5406 | 382.5406 | 0.0569 | 0.0000 | 383.9624 |
| 2018 | 1.6189 | 0.2845 | 0.1992 | 4.8000e-004 | 0.0137 | 0.0110 | 0.0247 | 3.7700e-003 | 0.0102 | 0.0139 | 0.0000 | 44.4919 | 44.4919 | 6.6500e-003 | 0.0000 | 44.6581 |
| Maximum | 1.6189 | 2.8646 | 1.5757 | 4.0200e-003 | 0.2332 | 0.1109 | 0.3441 | 0.0954 | 0.1027 | 0.1980 | 0.0000 | 382.5406 | 382.5406 | 0.0569 | 0.0000 | 383.9624 |

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 | | | | | |
| 2017 | 0.2463 | 2.8646 | 1.5757 | 4.0200e-003 | 0.2332 | 0.1109 | 0.3441 | 0.0954 | 0.1027 | 0.1980 | 0.0000 | 382.5404 | 382.5404 | 0.0569 | 0.0000 | 383.9622 |
| 2018 | 1.6189 | 0.2845 | 0.1992 | 4.8000e-004 | 0.0137 | 0.0110 | 0.0247 | 3.7700e-003 | 0.0102 | 0.0139 | 0.0000 | 44.4918 | 44.4918 | 6.6500e-003 | 0.0000 | 44.6581 |
| Maximum | 1.6189 | 2.8646 | 1.5757 | 4.0200e-003 | 0.2332 | 0.1109 | 0.3441 | 0.0954 | 0.1027 | 0.1980 | 0.0000 | 382.5404 | 382.5404 | 0.0569 | 0.0000 | 383.9622 |

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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 |

| Quarter | Start Date | End Date | Maximum Unmitigated ROG + NOX (tons/quarter) | Maximum Mitigated ROG + NOX (tons/quarter) |
|---------|------------|-----------|--|--|
| 1 | 1-2-2017 | 4-1-2017 | 0.9934 | 0.9934 |
| 2 | 4-2-2017 | 7-1-2017 | 0.7226 | 0.7226 |
| 3 | 7-2-2017 | 10-1-2017 | 0.6866 | 0.6866 |
| 4 | 10-2-2017 | 1-1-2018 | 0.6895 | 0.6895 |
| 5 | 1-2-2018 | 4-1-2018 | 1.8296 | 1.8296 |
| | | Highest | 1.8296 | 1.8296 |

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 | 0.6926 | 1.0000e-005 | 1.4900e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | 0.0000 | 2.8700e-003 | 2.8700e-003 | 1.0000e-005 | 0.0000 | 3.0700e-003 |
| Energy | 2.8800e-003 | 0.0262 | 0.0220 | 1.6000e-004 | | 1.9900e-003 | 1.9900e-003 | | 1.9900e-003 | 1.9900e-003 | 0.0000 | 209.4581 | 209.4581 | 8.0200e-003 | 2.0700e-003 | 210.2748 |
| Mobile | 0.0880 | 0.3331 | 0.9768 | 2.1300e-003 | 0.1816 | 3.0200e-003 | 0.1846 | 0.0488 | 2.8500e-003 | 0.0517 | 0.0000 | 195.0590 | 195.0590 | 0.0107 | 0.0000 | 195.3256 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 26.4979 | 0.0000 | 26.4979 | 1.3139 | 0.0000 | 59.3464 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 11.1058 | 54.1180 | 65.2238 | 0.0405 | 0.0246 | 73.5702 |
| Total | 0.7835 | 0.3593 | 1.0002 | 2.2900e-003 | 0.1816 | 5.0200e-003 | 0.1866 | 0.0488 | 4.8500e-003 | 0.0537 | 37.6036 | 458.6380 | 496.2417 | 1.3731 | 0.0267 | 538.5200 |

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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 | 0.6926 | 1.0000e-005 | 1.4900e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | 0.0000 | 2.8700e-003 | 2.8700e-003 | 1.0000e-005 | 0.0000 | 3.0700e-003 |
| Energy | 2.8800e-003 | 0.0262 | 0.0220 | 1.6000e-004 | | 1.9900e-003 | 1.9900e-003 | | 1.9900e-003 | 1.9900e-003 | 0.0000 | 209.4581 | 209.4581 | 8.0200e-003 | 2.0700e-003 | 210.2748 |
| Mobile | 0.0880 | 0.3331 | 0.9768 | 2.1300e-003 | 0.1816 | 3.0200e-003 | 0.1846 | 0.0488 | 2.8500e-003 | 0.0517 | 0.0000 | 195.0590 | 195.0590 | 0.0107 | 0.0000 | 195.3256 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 26.4979 | 0.0000 | 26.4979 | 1.3139 | 0.0000 | 59.3464 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 11.1058 | 54.1180 | 65.2238 | 0.0405 | 0.0246 | 73.5702 |
| Total | 0.7835 | 0.3593 | 1.0002 | 2.2900e-003 | 0.1816 | 5.0200e-003 | 0.1866 | 0.0488 | 4.8500e-003 | 0.0537 | 37.6036 | 458.6380 | 496.2417 | 1.3731 | 0.0267 | 538.5200 |

| | ROG | NOx | CO | SO2 | 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

Schwan Storage - Santa Barbara-South of Santa Ynez Range County, Annual

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|-----------|---------------|----------|-------------------|
| 1 | Demolition | Demolition | 1/2/2017 | 1/27/2017 | 5 | 20 | |
| 2 | Grading | Grading | 1/28/2017 | 4/13/2017 | 5 | 54 | |
| 3 | Building Construction | Building Construction | 4/14/2017 | 2/6/2018 | 5 | 213 | |
| 4 | Architectural Coating | Architectural Coating | 1/2/2018 | 2/9/2018 | 5 | 29 | |
| 5 | Paving | Paving | 1/7/2018 | 1/22/2018 | 5 | 11 | |

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 20.25

Acres of Paving: 1.17

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 203,612; Non-Residential Outdoor: 67,871; Striped Parking Area: 3,059 (Architectural Coating – sqft)

OffRoad Equipment

Schwan Storage - Santa Barbara-South of Santa Ynez Range County, Annual

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Demolition | Concrete/Industrial Saws | 1 | 8.00 | 81 | 0.73 |
| Demolition | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Demolition | Tractors/Loaders/Backhoes | 3 | 8.00 | 97 | 0.37 |
| Grading | Graders | 1 | 6.00 | 187 | 0.41 |
| Grading | Rubber Tired Dozers | 1 | 6.00 | 247 | 0.40 |
| Grading | Tractors/Loaders/Backhoes | 1 | 7.00 | 97 | 0.37 |
| Building Construction | Cranes | 1 | 4.00 | 231 | 0.29 |
| Building Construction | Forklifts | 2 | 6.00 | 89 | 0.20 |
| Building Construction | Generator Sets | 0 | 8.00 | 84 | 0.74 |
| Building Construction | Tractors/Loaders/Backhoes | 1 | 8.00 | 97 | 0.37 |
| Building Construction | Welders | 0 | 8.00 | 46 | 0.45 |
| Architectural Coating | Air Compressors | 0 | 6.00 | 78 | 0.48 |
| Paving | Cement and Mortar Mixers | 4 | 6.00 | 9 | 0.56 |
| Paving | Pavers | 1 | 7.00 | 130 | 0.42 |
| Paving | Paving Equipment | 0 | 8.00 | 132 | 0.36 |
| Paving | Rollers | 1 | 7.00 | 80 | 0.38 |
| Paving | Tractors/Loaders/Backhoes | 1 | 7.00 | 97 | 0.37 |

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 | 5 | 14.00 | 0.00 | 32.00 | 8.30 | 6.40 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 3 | 10.00 | 0.00 | 1,520.00 | 8.30 | 6.40 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 8 | 76.00 | 68.00 | 0.00 | 8.30 | 6.40 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 16.00 | 0.00 | 0.00 | 8.30 | 6.40 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 8 | 18.00 | 0.00 | 0.00 | 8.30 | 6.40 | 20.00 | LD_Mix | HDT_Mix | HHDT |

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3.1 Mitigation Measures Construction

3.2 Demolition - 2017

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 | | | | | 3.5100e-003 | 0.0000 | 3.5100e-003 | 5.3000e-004 | 0.0000 | 5.3000e-004 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0276 | 0.2676 | 0.1556 | 2.4000e-004 | | 0.0165 | 0.0165 | | 0.0154 | 0.0154 | 0.0000 | 21.9668 | 21.9668 | 5.5600e-003 | 0.0000 | 22.1057 |
| Total | 0.0276 | 0.2676 | 0.1556 | 2.4000e-004 | 3.5100e-003 | 0.0165 | 0.0200 | 5.3000e-004 | 0.0154 | 0.0159 | 0.0000 | 21.9668 | 21.9668 | 5.5600e-003 | 0.0000 | 22.1057 |

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3.2 Demolition - 2017

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 | 2.1000e-004 | 6.2300e-003 | 1.8300e-003 | 1.0000e-005 | 2.7000e-004 | 5.0000e-005 | 3.3000e-004 | 7.0000e-005 | 5.0000e-005 | 1.3000e-004 | 0.0000 | 1.2932 | 1.2932 | 1.0000e-004 | 0.0000 | 1.2958 |
| 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 | 6.2000e-004 | 5.7000e-004 | 4.9200e-003 | 1.0000e-005 | 8.6000e-004 | 1.0000e-005 | 8.7000e-004 | 2.3000e-004 | 1.0000e-005 | 2.4000e-004 | 0.0000 | 0.7714 | 0.7714 | 4.0000e-005 | 0.0000 | 0.7723 |
| Total | 8.3000e-004 | 6.8000e-003 | 6.7500e-003 | 2.0000e-005 | 1.1300e-003 | 6.0000e-005 | 1.2000e-003 | 3.0000e-004 | 6.0000e-005 | 3.7000e-004 | 0.0000 | 2.0646 | 2.0646 | 1.4000e-004 | 0.0000 | 2.0681 |

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 | | | | | 3.5100e-003 | 0.0000 | 3.5100e-003 | 5.3000e-004 | 0.0000 | 5.3000e-004 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0276 | 0.2676 | 0.1556 | 2.4000e-004 | | 0.0165 | 0.0165 | | 0.0154 | 0.0154 | 0.0000 | 21.9668 | 21.9668 | 5.5600e-003 | 0.0000 | 22.1057 |
| Total | 0.0276 | 0.2676 | 0.1556 | 2.4000e-004 | 3.5100e-003 | 0.0165 | 0.0200 | 5.3000e-004 | 0.0154 | 0.0159 | 0.0000 | 21.9668 | 21.9668 | 5.5600e-003 | 0.0000 | 22.1057 |

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3.2 Demolition - 2017

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 | 2.1000e-004 | 6.2300e-003 | 1.8300e-003 | 1.0000e-005 | 2.7000e-004 | 5.0000e-005 | 3.3000e-004 | 7.0000e-005 | 5.0000e-005 | 1.3000e-004 | 0.0000 | 1.2932 | 1.2932 | 1.0000e-004 | 0.0000 | 1.2958 |
| 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 | 6.2000e-004 | 5.7000e-004 | 4.9200e-003 | 1.0000e-005 | 8.6000e-004 | 1.0000e-005 | 8.7000e-004 | 2.3000e-004 | 1.0000e-005 | 2.4000e-004 | 0.0000 | 0.7714 | 0.7714 | 4.0000e-005 | 0.0000 | 0.7723 |
| Total | 8.3000e-004 | 6.8000e-003 | 6.7500e-003 | 2.0000e-005 | 1.1300e-003 | 6.0000e-005 | 1.2000e-003 | 3.0000e-004 | 6.0000e-005 | 3.7000e-004 | 0.0000 | 2.0646 | 2.0646 | 1.4000e-004 | 0.0000 | 2.0681 |

3.3 Grading - 2017

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 | | | | | 0.1335 | 0.0000 | 0.1335 | 0.0683 | 0.0000 | 0.0683 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0433 | 0.4939 | 0.1899 | 3.8000e-004 | | 0.0236 | 0.0236 | | 0.0217 | 0.0217 | 0.0000 | 35.3913 | 35.3913 | 0.0108 | 0.0000 | 35.6624 |
| Total | 0.0433 | 0.4939 | 0.1899 | 3.8000e-004 | 0.1335 | 0.0236 | 0.1571 | 0.0683 | 0.0217 | 0.0900 | 0.0000 | 35.3913 | 35.3913 | 0.0108 | 0.0000 | 35.6624 |

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3.3 Grading - 2017

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 | 0.0102 | 0.2961 | 0.0871 | 6.2000e-004 | 0.0130 | 2.5600e-003 | 0.0155 | 3.5500e-003 | 2.4500e-003 | 6.0100e-003 | 0.0000 | 61.4272 | 61.4272 | 4.9500e-003 | 0.0000 | 61.5509 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 1.2000e-003 | 1.1000e-003 | 9.4900e-003 | 2.0000e-005 | 1.6700e-003 | 1.0000e-005 | 1.6800e-003 | 4.4000e-004 | 1.0000e-005 | 4.5000e-004 | 0.0000 | 1.4876 | 1.4876 | 7.0000e-005 | 0.0000 | 1.4894 |
| Total | 0.0114 | 0.2972 | 0.0966 | 6.4000e-004 | 0.0146 | 2.5700e-003 | 0.0172 | 3.9900e-003 | 2.4600e-003 | 6.4600e-003 | 0.0000 | 62.9148 | 62.9148 | 5.0200e-003 | 0.0000 | 63.0403 |

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 | | | | | 0.1335 | 0.0000 | 0.1335 | 0.0683 | 0.0000 | 0.0683 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0433 | 0.4939 | 0.1899 | 3.8000e-004 | | 0.0236 | 0.0236 | | 0.0217 | 0.0217 | 0.0000 | 35.3912 | 35.3912 | 0.0108 | 0.0000 | 35.6623 |
| Total | 0.0433 | 0.4939 | 0.1899 | 3.8000e-004 | 0.1335 | 0.0236 | 0.1571 | 0.0683 | 0.0217 | 0.0900 | 0.0000 | 35.3912 | 35.3912 | 0.0108 | 0.0000 | 35.6623 |

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3.3 Grading - 2017

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 | 0.0102 | 0.2961 | 0.0871 | 6.2000e-004 | 0.0130 | 2.5600e-003 | 0.0155 | 3.5500e-003 | 2.4500e-003 | 6.0100e-003 | 0.0000 | 61.4272 | 61.4272 | 4.9500e-003 | 0.0000 | 61.5509 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 1.2000e-003 | 1.1000e-003 | 9.4900e-003 | 2.0000e-005 | 1.6700e-003 | 1.0000e-005 | 1.6800e-003 | 4.4000e-004 | 1.0000e-005 | 4.5000e-004 | 0.0000 | 1.4876 | 1.4876 | 7.0000e-005 | 0.0000 | 1.4894 |
| Total | 0.0114 | 0.2972 | 0.0966 | 6.4000e-004 | 0.0146 | 2.5700e-003 | 0.0172 | 3.9900e-003 | 2.4600e-003 | 6.4600e-003 | 0.0000 | 62.9148 | 62.9148 | 5.0200e-003 | 0.0000 | 63.0403 |

3.4 Building Construction - 2017

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 | 0.0897 | 0.9035 | 0.5279 | 7.7000e-004 | | 0.0586 | 0.0586 | | 0.0539 | 0.0539 | 0.0000 | 71.5148 | 71.5148 | 0.0219 | 0.0000 | 72.0626 |
| Total | 0.0897 | 0.9035 | 0.5279 | 7.7000e-004 | | 0.0586 | 0.0586 | | 0.0539 | 0.0539 | 0.0000 | 71.5148 | 71.5148 | 0.0219 | 0.0000 | 72.0626 |

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3.4 Building Construction - 2017

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 | 0.0422 | 0.8670 | 0.3505 | 1.5400e-003 | 0.0368 | 9.2300e-003 | 0.0460 | 0.0106 | 8.8300e-003 | 0.0194 | 0.0000 | 149.7458 | 149.7458 | 0.0115 | 0.0000 | 150.0342 |
| Worker | 0.0314 | 0.0287 | 0.2484 | 4.3000e-004 | 0.0437 | 3.2000e-004 | 0.0440 | 0.0116 | 3.0000e-004 | 0.0119 | 0.0000 | 38.9425 | 38.9425 | 1.8700e-003 | 0.0000 | 38.9892 |
| Total | 0.0736 | 0.8957 | 0.5989 | 1.9700e-003 | 0.0804 | 9.5500e-003 | 0.0900 | 0.0222 | 9.1300e-003 | 0.0313 | 0.0000 | 188.6884 | 188.6884 | 0.0134 | 0.0000 | 189.0234 |

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 | 0.0897 | 0.9035 | 0.5279 | 7.7000e-004 | | 0.0586 | 0.0586 | | 0.0539 | 0.0539 | 0.0000 | 71.5147 | 71.5147 | 0.0219 | 0.0000 | 72.0625 |
| Total | 0.0897 | 0.9035 | 0.5279 | 7.7000e-004 | | 0.0586 | 0.0586 | | 0.0539 | 0.0539 | 0.0000 | 71.5147 | 71.5147 | 0.0219 | 0.0000 | 72.0625 |

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3.4 Building Construction - 2017

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 | 0.0422 | 0.8670 | 0.3505 | 1.5400e-003 | 0.0368 | 9.2300e-003 | 0.0460 | 0.0106 | 8.8300e-003 | 0.0194 | 0.0000 | 149.7458 | 149.7458 | 0.0115 | 0.0000 | 150.0342 |
| Worker | 0.0314 | 0.0287 | 0.2484 | 4.3000e-004 | 0.0437 | 3.2000e-004 | 0.0440 | 0.0116 | 3.0000e-004 | 0.0119 | 0.0000 | 38.9425 | 38.9425 | 1.8700e-003 | 0.0000 | 38.9892 |
| Total | 0.0736 | 0.8957 | 0.5989 | 1.9700e-003 | 0.0804 | 9.5500e-003 | 0.0900 | 0.0222 | 9.1300e-003 | 0.0313 | 0.0000 | 188.6884 | 188.6884 | 0.0134 | 0.0000 | 189.0234 |

3.4 Building Construction - 2018

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 | 0.0111 | 0.1134 | 0.0731 | 1.1000e-004 | | 7.0500e-003 | 7.0500e-003 | | 6.4900e-003 | 6.4900e-003 | 0.0000 | 10.2110 | 10.2110 | 3.1800e-003 | 0.0000 | 10.2905 |
| Total | 0.0111 | 0.1134 | 0.0731 | 1.1000e-004 | | 7.0500e-003 | 7.0500e-003 | | 6.4900e-003 | 6.4900e-003 | 0.0000 | 10.2110 | 10.2110 | 3.1800e-003 | 0.0000 | 10.2905 |

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3.4 Building Construction - 2018

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 | 5.2800e-003 | 0.1182 | 0.0450 | 2.2000e-004 | 5.3400e-003 | 1.0700e-003 | 6.4100e-003 | 1.5400e-003 | 1.0200e-003 | 2.5600e-003 | 0.0000 | 21.6660 | 21.6660 | 1.6600e-003 | 0.0000 | 21.7074 |
| Worker | 4.0300e-003 | 3.6100e-003 | 0.0313 | 6.0000e-005 | 6.3400e-003 | 4.0000e-005 | 6.3800e-003 | 1.6800e-003 | 4.0000e-005 | 1.7200e-003 | 0.0000 | 5.5008 | 5.5008 | 2.3000e-004 | 0.0000 | 5.5066 |
| Total | 9.3100e-003 | 0.1218 | 0.0763 | 2.8000e-004 | 0.0117 | 1.1100e-003 | 0.0128 | 3.2200e-003 | 1.0600e-003 | 4.2800e-003 | 0.0000 | 27.1668 | 27.1668 | 1.8900e-003 | 0.0000 | 27.2140 |

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 | 0.0111 | 0.1134 | 0.0731 | 1.1000e-004 | | 7.0500e-003 | 7.0500e-003 | | 6.4900e-003 | 6.4900e-003 | 0.0000 | 10.2110 | 10.2110 | 3.1800e-003 | 0.0000 | 10.2905 |
| Total | 0.0111 | 0.1134 | 0.0731 | 1.1000e-004 | | 7.0500e-003 | 7.0500e-003 | | 6.4900e-003 | 6.4900e-003 | 0.0000 | 10.2110 | 10.2110 | 3.1800e-003 | 0.0000 | 10.2905 |

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3.5 Architectural Coating - 2018

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 9.1000e-004 | 8.2000e-004 | 7.0800e-003 | 1.0000e-005 | 1.4300e-003 | 1.0000e-005 | 1.4400e-003 | 3.8000e-004 | 1.0000e-005 | 3.9000e-004 | 0.0000 | 1.2438 | 1.2438 | 5.0000e-005 | 0.0000 | 1.2452 |
| Total | 9.1000e-004 | 8.2000e-004 | 7.0800e-003 | 1.0000e-005 | 1.4300e-003 | 1.0000e-005 | 1.4400e-003 | 3.8000e-004 | 1.0000e-005 | 3.9000e-004 | 0.0000 | 1.2438 | 1.2438 | 5.0000e-005 | 0.0000 | 1.2452 |

3.6 Paving - 2018

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 | 5.0600e-003 | 0.0481 | 0.0397 | 6.0000e-005 | | 2.8100e-003 | 2.8100e-003 | | 2.6000e-003 | 2.6000e-003 | 0.0000 | 5.3395 | 5.3395 | 1.5100e-003 | 0.0000 | 5.3771 |
| Paving | 1.5300e-003 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 6.5900e-003 | 0.0481 | 0.0397 | 6.0000e-005 | | 2.8100e-003 | 2.8100e-003 | | 2.6000e-003 | 2.6000e-003 | 0.0000 | 5.3395 | 5.3395 | 1.5100e-003 | 0.0000 | 5.3771 |

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3.6 Paving - 2018

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 3.9000e-004 | 3.5000e-004 | 3.0200e-003 | 1.0000e-005 | 6.1000e-004 | 0.0000 | 6.2000e-004 | 1.6000e-004 | 0.0000 | 1.7000e-004 | 0.0000 | 0.5308 | 0.5308 | 2.0000e-005 | 0.0000 | 0.5313 |
| Total | 3.9000e-004 | 3.5000e-004 | 3.0200e-003 | 1.0000e-005 | 6.1000e-004 | 0.0000 | 6.2000e-004 | 1.6000e-004 | 0.0000 | 1.7000e-004 | 0.0000 | 0.5308 | 0.5308 | 2.0000e-005 | 0.0000 | 0.5313 |

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 | 5.0600e-003 | 0.0481 | 0.0397 | 6.0000e-005 | | 2.8100e-003 | 2.8100e-003 | | 2.6000e-003 | 2.6000e-003 | 0.0000 | 5.3395 | 5.3395 | 1.5100e-003 | 0.0000 | 5.3771 |
| Paving | 1.5300e-003 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 6.5900e-003 | 0.0481 | 0.0397 | 6.0000e-005 | | 2.8100e-003 | 2.8100e-003 | | 2.6000e-003 | 2.6000e-003 | 0.0000 | 5.3395 | 5.3395 | 1.5100e-003 | 0.0000 | 5.3771 |

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3.6 Paving - 2018

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 3.9000e-004 | 3.5000e-004 | 3.0200e-003 | 1.0000e-005 | 6.1000e-004 | 0.0000 | 6.2000e-004 | 1.6000e-004 | 0.0000 | 1.7000e-004 | 0.0000 | 0.5308 | 0.5308 | 2.0000e-005 | 0.0000 | 0.5313 |
| Total | 3.9000e-004 | 3.5000e-004 | 3.0200e-003 | 1.0000e-005 | 6.1000e-004 | 0.0000 | 6.2000e-004 | 1.6000e-004 | 0.0000 | 1.7000e-004 | 0.0000 | 0.5308 | 0.5308 | 2.0000e-005 | 0.0000 | 0.5313 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Schwan Storage - Santa Barbara-South of Santa Ynez Range County, Annual

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|---------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|--------|----------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Mitigated | 0.0880 | 0.3331 | 0.9768 | 2.1300e-003 | 0.1816 | 3.0200e-003 | 0.1846 | 0.0488 | 2.8500e-003 | 0.0517 | 0.0000 | 195.0590 | 195.0590 | 0.0107 | 0.0000 | 195.3256 |
| Unmitigated | 0.0880 | 0.3331 | 0.9768 | 2.1300e-003 | 0.1816 | 3.0200e-003 | 0.1846 | 0.0488 | 2.8500e-003 | 0.0517 | 0.0000 | 195.0590 | 195.0590 | 0.0107 | 0.0000 | 195.3256 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|----------------------------------|-------------------------|----------|--------|-------------|------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | | |
| Parking Lot | 0.00 | 0.00 | 0.00 | | |
| Unrefrigerated Warehouse-No Rail | 216.00 | 216.00 | 216.00 | 478,115 | 478,115 |
| Total | 216.00 | 216.00 | 216.00 | 478,115 | 478,115 |

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 |
| Other Asphalt Surfaces | 6.60 | 5.50 | 6.40 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Parking Lot | 6.60 | 5.50 | 6.40 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Unrefrigerated Warehouse-No | 6.60 | 5.50 | 6.40 | 59.00 | 0.00 | 41.00 | 92 | 5 | 3 |

4.4 Fleet Mix

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| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Other Asphalt Surfaces | 0.546962 | 0.032250 | 0.203301 | 0.133652 | 0.025574 | 0.006384 | 0.017070 | 0.018005 | 0.002749 | 0.002622 | 0.007451 | 0.002735 | 0.001244 |
| Parking Lot | 0.546962 | 0.032250 | 0.203301 | 0.133652 | 0.025574 | 0.006384 | 0.017070 | 0.018005 | 0.002749 | 0.002622 | 0.007451 | 0.002735 | 0.001244 |
| Unrefrigerated Warehouse-No Rail | 0.546962 | 0.032250 | 0.203301 | 0.133652 | 0.025574 | 0.006384 | 0.017070 | 0.018005 | 0.002749 | 0.002622 | 0.007451 | 0.002735 | 0.001244 |

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|-------------|--------|--------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-------------|----------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Electricity Mitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 180.9905 | 180.9905 | 7.4700e-003 | 1.5500e-003 | 181.6380 |
| Electricity Unmitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 180.9905 | 180.9905 | 7.4700e-003 | 1.5500e-003 | 181.6380 |
| NaturalGas Mitigated | 2.8800e-003 | 0.0262 | 0.0220 | 1.6000e-004 | | 1.9900e-003 | 1.9900e-003 | | 1.9900e-003 | 1.9900e-003 | 0.0000 | 28.4676 | 28.4676 | 5.5000e-004 | 5.2000e-004 | 28.6367 |
| NaturalGas Unmitigated | 2.8800e-003 | 0.0262 | 0.0220 | 1.6000e-004 | | 1.9900e-003 | 1.9900e-003 | | 1.9900e-003 | 1.9900e-003 | 0.0000 | 28.4676 | 28.4676 | 5.5000e-004 | 5.2000e-004 | 28.6367 |

Schwan Storage - Santa Barbara-South of Santa Ynez Range County, Annual

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 | | | | | |
| 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 |
| Unrefrigerated Warehouse-No Rail | 533462 | 2.8800e-003 | 0.0262 | 0.0220 | 1.6000e-004 | | 1.9900e-003 | 1.9900e-003 | | 1.9900e-003 | 1.9900e-003 | 0.0000 | 28.4676 | 28.4676 | 5.5000e-004 | 5.2000e-004 | 28.6367 |
| Total | | 2.8800e-003 | 0.0262 | 0.0220 | 1.6000e-004 | | 1.9900e-003 | 1.9900e-003 | | 1.9900e-003 | 1.9900e-003 | 0.0000 | 28.4676 | 28.4676 | 5.5000e-004 | 5.2000e-004 | 28.6367 |

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 | | | | | |
| 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 |
| Unrefrigerated Warehouse-No Rail | 533462 | 2.8800e-003 | 0.0262 | 0.0220 | 1.6000e-004 | | 1.9900e-003 | 1.9900e-003 | | 1.9900e-003 | 1.9900e-003 | 0.0000 | 28.4676 | 28.4676 | 5.5000e-004 | 5.2000e-004 | 28.6367 |
| Total | | 2.8800e-003 | 0.0262 | 0.0220 | 1.6000e-004 | | 1.9900e-003 | 1.9900e-003 | | 1.9900e-003 | 1.9900e-003 | 0.0000 | 28.4676 | 28.4676 | 5.5000e-004 | 5.2000e-004 | 28.6367 |

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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 | | | |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 3360 | 1.0706 | 4.0000e-005 | 1.0000e-005 | 1.0744 |
| Unrefrigerated Warehouse-No Rail | 564683 | 179.9200 | 7.4300e-003 | 1.5400e-003 | 180.5636 |
| Total | | 180.9905 | 7.4700e-003 | 1.5500e-003 | 181.6380 |

Mitigated

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|----------------------------------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Land Use | kWh/yr | MT/yr | | | |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 3360 | 1.0706 | 4.0000e-005 | 1.0000e-005 | 1.0744 |
| Unrefrigerated Warehouse-No Rail | 564683 | 179.9200 | 7.4300e-003 | 1.5400e-003 | 180.5636 |
| Total | | 180.9905 | 7.4700e-003 | 1.5500e-003 | 181.6380 |

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6.0 Area Detail

6.1 Mitigation Measures Area

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|---------|-------------|-------------|--------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-------------|-------------|-------------|--------|-------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Mitigated | 0.6926 | 1.0000e-005 | 1.4900e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | 0.0000 | 2.8700e-003 | 2.8700e-003 | 1.0000e-005 | 0.0000 | 3.0700e-003 |
| Unmitigated | 0.6926 | 1.0000e-005 | 1.4900e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | 0.0000 | 2.8700e-003 | 2.8700e-003 | 1.0000e-005 | 0.0000 | 3.0700e-003 |

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6.2 Area by SubCategory

Unmitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|--------------------|
| SubCategory | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Architectural Coating | 0.1591 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.5334 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 1.4000e-004 | 1.0000e-005 | 1.4900e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | 0.0000 | 2.8700e-003 | 2.8700e-003 | 1.0000e-005 | 0.0000 | 3.0700e-003 |
| Total | 0.6926 | 1.0000e-005 | 1.4900e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | 0.0000 | 2.8700e-003 | 2.8700e-003 | 1.0000e-005 | 0.0000 | 3.0700e-003 |

Mitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|--------------------|
| SubCategory | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Architectural Coating | 0.1591 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.5334 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 1.4000e-004 | 1.0000e-005 | 1.4900e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | 0.0000 | 2.8700e-003 | 2.8700e-003 | 1.0000e-005 | 0.0000 | 3.0700e-003 |
| Total | 0.6926 | 1.0000e-005 | 1.4900e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | 0.0000 | 2.8700e-003 | 2.8700e-003 | 1.0000e-005 | 0.0000 | 3.0700e-003 |

7.0 Water Detail

Schwan Storage - Santa Barbara-South of Santa Ynez Range County, Annual

7.1 Mitigation Measures Water

| | Total CO2 | CH4 | N2O | CO2e |
|-------------|-----------|--------|--------|---------|
| Category | MT/yr | | | |
| Mitigated | 65.2238 | 0.0405 | 0.0246 | 73.5702 |
| Unmitigated | 65.2238 | 0.0405 | 0.0246 | 73.5702 |

7.2 Water by Land Use**Unmitigated**

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|----------------------------------|--------------------|----------------|---------------|---------------|----------------|
| Land Use | Mgal | MT/yr | | | |
| 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 |
| Unrefrigerated Warehouse-No Rail | 31.3899 / 0 | 65.2238 | 0.0405 | 0.0246 | 73.5702 |
| Total | | 65.2238 | 0.0405 | 0.0246 | 73.5702 |

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7.2 Water by Land Use

Mitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|----------------------------------|--------------------|----------------|---------------|---------------|----------------|
| Land Use | Mgal | MT/yr | | | |
| 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 |
| Unrefrigerated Warehouse-No Rail | 31.3899 / 0 | 65.2238 | 0.0405 | 0.0246 | 73.5702 |
| Total | | 65.2238 | 0.0405 | 0.0246 | 73.5702 |

8.0 Waste Detail

8.1 Mitigation Measures Waste

Schwan Storage - Santa Barbara-South of Santa Ynez Range County, Annual

Category/Year

| | Total CO2 | CH4 | N2O | CO2e |
|-------------|-----------|--------|--------|---------|
| | MT/yr | | | |
| Mitigated | 26.4979 | 1.3139 | 0.0000 | 59.3464 |
| Unmitigated | 26.4979 | 1.3139 | 0.0000 | 59.3464 |

8.2 Waste by Land Use

Unmitigated

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|----------------------------------|----------------|----------------|---------------|---------------|----------------|
| Land Use | tons | MT/yr | | | |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unrefrigerated Warehouse-No Rail | 127.6 | 26.4979 | 1.3139 | 0.0000 | 59.3464 |
| Total | | 26.4979 | 1.3139 | 0.0000 | 59.3464 |

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8.2 Waste by Land Use

Mitigated

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|----------------------------------|----------------|----------------|---------------|---------------|----------------|
| Land Use | tons | MT/yr | | | |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unrefrigerated Warehouse-No Rail | 127.6 | 26.4979 | 1.3139 | 0.0000 | 59.3464 |
| Total | | 26.4979 | 1.3139 | 0.0000 | 59.3464 |

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

| Equipment Type | Number |
|----------------|--------|
|----------------|--------|

Schwan Storage - Santa Barbara-South of Santa Ynez Range County, Annual

11.0 Vegetation

Schwan Storage - Santa Barbara-South of Santa Ynez Range County, Summer

Schwan Storage
Santa Barbara-South of Santa Ynez Range County, Summer

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|----------------------------------|--------|----------|-------------|--------------------|------------|
| Unrefrigerated Warehouse-No Rail | 135.74 | 1000sqft | 0.89 | 135,741.00 | 0 |
| Other Asphalt Surfaces | 0.95 | Acre | 0.95 | 41,382.00 | 0 |
| Parking Lot | 24.00 | Space | 0.22 | 9,600.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|--------------------------------|----------------------------|--------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.7 | Precipitation Freq (Days) | 37 |
| Climate Zone | 8 | | | Operational Year | 2019 |
| Utility Company | Southern California Edison | | | | |
| CO2 Intensity (lb/MWhr) | 702.44 | CH4 Intensity (lb/MWhr) | 0.029 | N2O Intensity (lb/MWhr) | 0.006 |

1.3 User Entered Comments & Non-Default Data

Schwan Storage - Santa Barbara-South of Santa Ynez Range County, Summer

Project Characteristics -

Land Use - Data provided by applicant.

Construction Phase - Data provided by applicant.

Off-road Equipment - No equipment.

Off-road Equipment - Data provided by applicant.

Off-road Equipment - CalEEMod defaults.

Off-road Equipment - Data provided by applicant.

Off-road Equipment - Data provided by applicant.

Trips and VMT - Data provided by applicant.

On-road Fugitive Dust -

Demolition - Based on existing buildings to be removed.

Grading - Data provided by applicant.

Architectural Coating -

Vehicle Trips - Provided by project-specific traffic study.

Consumer Products - CalEEMod defaults.

Area Coating - CalEEMod defaults.

Landscape Equipment - CalEEMod defaults.

Energy Use - CalEEMod defaults.

Water And Wastewater - CalEEMod defaults.

Solid Waste - CalEEMod defaults.

| Table Name | Column Name | Default Value | New Value |
|----------------------|------------------|---------------|-----------|
| tblConstructionPhase | NumDays | 10.00 | 29.00 |
| tblConstructionPhase | NumDays | 220.00 | 213.00 |
| tblConstructionPhase | NumDays | 6.00 | 54.00 |
| tblConstructionPhase | NumDays | 10.00 | 11.00 |
| tblGrading | MaterialExported | 0.00 | 11,400.00 |

Schwan Storage - Santa Barbara-South of Santa Ynez Range County, Summer

| | | | |
|---------------------|----------------------------|------------|------------|
| tblLandUse | LandUseSquareFeet | 135,740.00 | 135,741.00 |
| tblLandUse | LotAcreage | 3.12 | 0.89 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 4.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 6.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 4.00 |
| tblOffRoadEquipment | UsageHours | 7.00 | 6.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 6.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 7.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 7.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 6.00 |
| tblOffRoadEquipment | UsageHours | 6.00 | 8.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 7.00 |
| tblTripsAndVMT | HaulingTripNumber | 1,425.00 | 1,520.00 |
| tblTripsAndVMT | VendorTripNumber | 31.00 | 68.00 |
| tblTripsAndVMT | WorkerTripNumber | 13.00 | 14.00 |
| tblTripsAndVMT | WorkerTripNumber | 8.00 | 10.00 |
| tblTripsAndVMT | WorkerTripNumber | 78.00 | 76.00 |
| tblTripsAndVMT | WorkerTripNumber | 20.00 | 18.00 |
| tblVehicleTrips | ST_TR | 1.68 | 1.59 |
| tblVehicleTrips | SU_TR | 1.68 | 1.59 |
| tblVehicleTrips | WD_TR | 1.68 | 1.59 |

Schwan Storage - Santa Barbara-South of Santa Ynez Range County, Summer

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|-----------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|---------------|-------------------|
| Year | lb/day | | | | | | | | | | lb/day | | | | | |
| 2017 | 2.8439 | 29.0266 | 16.2173 | 0.0377 | 5.4977 | 1.6537 | 6.4663 | 2.6809 | 1.5461 | 3.5755 | 0.0000 | 4,027.5475 | 4,027.5475 | 0.6452 | 0.0000 | 4,043.6778 |
| 2018 | 112.5179 | 26.1169 | 19.1058 | 0.0428 | 1.0974 | 1.1166 | 2.2141 | 0.3002 | 1.0337 | 1.3338 | 0.0000 | 4,354.1417 | 4,354.1417 | 0.7211 | 0.0000 | 4,372.1682 |
| Maximum | 112.5179 | 29.0266 | 19.1058 | 0.0428 | 5.4977 | 1.6537 | 6.4663 | 2.6809 | 1.5461 | 3.5755 | 0.0000 | 4,354.1417 | 4,354.1417 | 0.7211 | 0.0000 | 4,372.1682 |

Mitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|-----------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|---------------|-------------------|
| Year | lb/day | | | | | | | | | | lb/day | | | | | |
| 2017 | 2.8439 | 29.0266 | 16.2173 | 0.0377 | 5.4977 | 1.6537 | 6.4663 | 2.6809 | 1.5461 | 3.5755 | 0.0000 | 4,027.5475 | 4,027.5475 | 0.6452 | 0.0000 | 4,043.6778 |
| 2018 | 112.5179 | 26.1169 | 19.1058 | 0.0428 | 1.0974 | 1.1166 | 2.2141 | 0.3002 | 1.0337 | 1.3338 | 0.0000 | 4,354.1417 | 4,354.1417 | 0.7211 | 0.0000 | 4,372.1682 |
| Maximum | 112.5179 | 29.0266 | 19.1058 | 0.0428 | 5.4977 | 1.6537 | 6.4663 | 2.6809 | 1.5461 | 3.5755 | 0.0000 | 4,354.1417 | 4,354.1417 | 0.7211 | 0.0000 | 4,372.1682 |

Schwan Storage - Santa Barbara-South of Santa Ynez Range County, 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 | 3.7961 | 1.5000e-004 | 0.0166 | 0.0000 | | 6.0000e-005 | 6.0000e-005 | | 6.0000e-005 | 6.0000e-005 | | 0.0352 | 0.0352 | 1.0000e-004 | | 0.0376 |
| Energy | 0.0158 | 0.1433 | 0.1204 | 8.6000e-004 | | 0.0109 | 0.0109 | | 0.0109 | 0.0109 | | 171.9459 | 171.9459 | 3.3000e-003 | 3.1500e-003 | 172.9677 |
| Mobile | 0.4942 | 1.7502 | 5.1894 | 0.0119 | 1.0199 | 0.0166 | 1.0364 | 0.2736 | 0.0156 | 0.2893 | | 1,204.2203 | 1,204.2203 | 0.0638 | | 1,205.8158 |
| Total | 4.3060 | 1.8936 | 5.3263 | 0.0128 | 1.0199 | 0.0275 | 1.0474 | 0.2736 | 0.0266 | 0.3002 | | 1,376.2014 | 1,376.2014 | 0.0672 | 3.1500e-003 | 1,378.8211 |

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 | 3.7961 | 1.5000e-004 | 0.0166 | 0.0000 | | 6.0000e-005 | 6.0000e-005 | | 6.0000e-005 | 6.0000e-005 | | 0.0352 | 0.0352 | 1.0000e-004 | | 0.0376 |
| Energy | 0.0158 | 0.1433 | 0.1204 | 8.6000e-004 | | 0.0109 | 0.0109 | | 0.0109 | 0.0109 | | 171.9459 | 171.9459 | 3.3000e-003 | 3.1500e-003 | 172.9677 |
| Mobile | 0.4942 | 1.7502 | 5.1894 | 0.0119 | 1.0199 | 0.0166 | 1.0364 | 0.2736 | 0.0156 | 0.2893 | | 1,204.2203 | 1,204.2203 | 0.0638 | | 1,205.8158 |
| Total | 4.3060 | 1.8936 | 5.3263 | 0.0128 | 1.0199 | 0.0275 | 1.0474 | 0.2736 | 0.0266 | 0.3002 | | 1,376.2014 | 1,376.2014 | 0.0672 | 3.1500e-003 | 1,378.8211 |

Schwan Storage - Santa Barbara-South of Santa Ynez Range County, Summer

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------|------|------|------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|------|------|------|
| 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 | 1/2/2017 | 1/27/2017 | 5 | 20 | |
| 2 | Grading | Grading | 1/28/2017 | 4/13/2017 | 5 | 54 | |
| 3 | Building Construction | Building Construction | 4/14/2017 | 2/6/2018 | 5 | 213 | |
| 4 | Architectural Coating | Architectural Coating | 1/2/2018 | 2/9/2018 | 5 | 29 | |
| 5 | Paving | Paving | 1/7/2018 | 1/22/2018 | 5 | 11 | |

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 20.25

Acres of Paving: 1.17

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 203,612; Non-Residential Outdoor: 67,871; Striped Parking Area: 3,059 (Architectural Coating – sqft)

OffRoad Equipment

Schwan Storage - Santa Barbara-South of Santa Ynez Range County, Summer

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Demolition | Concrete/Industrial Saws | 1 | 8.00 | 81 | 0.73 |
| Demolition | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Demolition | Tractors/Loaders/Backhoes | 3 | 8.00 | 97 | 0.37 |
| Grading | Graders | 1 | 6.00 | 187 | 0.41 |
| Grading | Rubber Tired Dozers | 1 | 6.00 | 247 | 0.40 |
| Grading | Tractors/Loaders/Backhoes | 1 | 7.00 | 97 | 0.37 |
| Building Construction | Cranes | 1 | 4.00 | 231 | 0.29 |
| Building Construction | Forklifts | 2 | 6.00 | 89 | 0.20 |
| Building Construction | Generator Sets | 0 | 8.00 | 84 | 0.74 |
| Building Construction | Tractors/Loaders/Backhoes | 1 | 8.00 | 97 | 0.37 |
| Building Construction | Welders | 0 | 8.00 | 46 | 0.45 |
| Architectural Coating | Air Compressors | 0 | 6.00 | 78 | 0.48 |
| Paving | Cement and Mortar Mixers | 4 | 6.00 | 9 | 0.56 |
| Paving | Pavers | 1 | 7.00 | 130 | 0.42 |
| Paving | Paving Equipment | 0 | 8.00 | 132 | 0.36 |
| Paving | Rollers | 1 | 7.00 | 80 | 0.38 |
| Paving | Tractors/Loaders/Backhoes | 1 | 7.00 | 97 | 0.37 |

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 | 5 | 14.00 | 0.00 | 32.00 | 8.30 | 6.40 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 3 | 10.00 | 0.00 | 1,520.00 | 8.30 | 6.40 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 8 | 76.00 | 68.00 | 0.00 | 8.30 | 6.40 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 16.00 | 0.00 | 0.00 | 8.30 | 6.40 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 8 | 18.00 | 0.00 | 0.00 | 8.30 | 6.40 | 20.00 | LD_Mix | HDT_Mix | HHDT |

Schwan Storage - Santa Barbara-South of Santa Ynez Range County, Summer

3.1 Mitigation Measures Construction

3.2 Demolition - 2017

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 | | | | | 0.3512 | 0.0000 | 0.3512 | 0.0532 | 0.0000 | 0.0532 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.7625 | 26.7594 | 15.5573 | 0.0241 | | 1.6477 | 1.6477 | | 1.5404 | 1.5404 | | 2,421.4229 | 2,421.4229 | 0.6125 | | 2,436.7347 |
| Total | 2.7625 | 26.7594 | 15.5573 | 0.0241 | 0.3512 | 1.6477 | 1.9988 | 0.0532 | 1.5404 | 1.5935 | | 2,421.4229 | 2,421.4229 | 0.6125 | | 2,436.7347 |

Schwan Storage - Santa Barbara-South of Santa Ynez Range County, Summer

3.2 Demolition - 2017

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 | 0.0211 | 0.6081 | 0.1787 | 1.3000e-003 | 0.0278 | 5.3600e-003 | 0.0332 | 7.6100e-003 | 5.1300e-003 | 0.0127 | | 143.2746 | 143.2746 | 0.0114 | | 143.5583 |
| 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 | 0.0603 | 0.0508 | 0.4813 | 8.8000e-004 | 0.0884 | 6.3000e-004 | 0.0891 | 0.0235 | 5.9000e-004 | 0.0240 | | 86.9113 | 86.9113 | 4.0600e-003 | | 87.0127 |
| Total | 0.0814 | 0.6589 | 0.6600 | 2.1800e-003 | 0.1162 | 5.9900e-003 | 0.1222 | 0.0311 | 5.7200e-003 | 0.0368 | | 230.1859 | 230.1859 | 0.0154 | | 230.5710 |

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 | | | | | 0.3512 | 0.0000 | 0.3512 | 0.0532 | 0.0000 | 0.0532 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.7625 | 26.7594 | 15.5573 | 0.0241 | | 1.6477 | 1.6477 | | 1.5404 | 1.5404 | 0.0000 | 2,421.4229 | 2,421.4229 | 0.6125 | | 2,436.7347 |
| Total | 2.7625 | 26.7594 | 15.5573 | 0.0241 | 0.3512 | 1.6477 | 1.9988 | 0.0532 | 1.5404 | 1.5935 | 0.0000 | 2,421.4229 | 2,421.4229 | 0.6125 | | 2,436.7347 |

Schwan Storage - Santa Barbara-South of Santa Ynez Range County, Summer

3.2 Demolition - 2017

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 | 0.0211 | 0.6081 | 0.1787 | 1.3000e-003 | 0.0278 | 5.3600e-003 | 0.0332 | 7.6100e-003 | 5.1300e-003 | 0.0127 | | 143.2746 | 143.2746 | 0.0114 | | 143.5583 |
| 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 | 0.0603 | 0.0508 | 0.4813 | 8.8000e-004 | 0.0884 | 6.3000e-004 | 0.0891 | 0.0235 | 5.9000e-004 | 0.0240 | | 86.9113 | 86.9113 | 4.0600e-003 | | 87.0127 |
| Total | 0.0814 | 0.6589 | 0.6600 | 2.1800e-003 | 0.1162 | 5.9900e-003 | 0.1222 | 0.0311 | 5.7200e-003 | 0.0368 | | 230.1859 | 230.1859 | 0.0154 | | 230.5710 |

3.3 Grading - 2017

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 | | | | | 4.9454 | 0.0000 | 4.9454 | 2.5303 | 0.0000 | 2.5303 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.6023 | 18.2915 | 7.0342 | 0.0141 | | 0.8738 | 0.8738 | | 0.8039 | 0.8039 | | 1,444.8958 | 1,444.8958 | 0.4427 | | 1,455.9636 |
| Total | 1.6023 | 18.2915 | 7.0342 | 0.0141 | 4.9454 | 0.8738 | 5.8192 | 2.5303 | 0.8039 | 3.3342 | | 1,444.8958 | 1,444.8958 | 0.4427 | | 1,455.9636 |

Schwan Storage - Santa Barbara-South of Santa Ynez Range County, Summer

3.3 Grading - 2017

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 | 0.3715 | 10.6988 | 3.1434 | 0.0230 | 0.4892 | 0.0944 | 0.5835 | 0.1338 | 0.0903 | 0.2241 | | 2,520.572 2 | 2,520.572 2 | 0.1996 | | 2,525.562 3 |
| 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 | 0.0431 | 0.0363 | 0.3438 | 6.3000e-004 | 0.0632 | 4.5000e-004 | 0.0636 | 0.0168 | 4.2000e-004 | 0.0172 | | 62.0795 | 62.0795 | 2.9000e-003 | | 62.1520 |
| Total | 0.4146 | 10.7350 | 3.4872 | 0.0236 | 0.5523 | 0.0948 | 0.6471 | 0.1506 | 0.0907 | 0.2413 | | 2,582.651 7 | 2,582.651 7 | 0.2025 | | 2,587.714 2 |

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 | | | | | 4.9454 | 0.0000 | 4.9454 | 2.5303 | 0.0000 | 2.5303 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.6023 | 18.2915 | 7.0342 | 0.0141 | | 0.8738 | 0.8738 | | 0.8039 | 0.8039 | 0.0000 | 1,444.895 8 | 1,444.895 8 | 0.4427 | | 1,455.963 6 |
| Total | 1.6023 | 18.2915 | 7.0342 | 0.0141 | 4.9454 | 0.8738 | 5.8192 | 2.5303 | 0.8039 | 3.3342 | 0.0000 | 1,444.895 8 | 1,444.895 8 | 0.4427 | | 1,455.963 6 |

Schwan Storage - Santa Barbara-South of Santa Ynez Range County, Summer

3.3 Grading - 2017

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 | 0.3715 | 10.6988 | 3.1434 | 0.0230 | 0.4892 | 0.0944 | 0.5835 | 0.1338 | 0.0903 | 0.2241 | | 2,520.572 2 | 2,520.572 2 | 0.1996 | | 2,525.562 3 |
| 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 | 0.0431 | 0.0363 | 0.3438 | 6.3000e-004 | 0.0632 | 4.5000e-004 | 0.0636 | 0.0168 | 4.2000e-004 | 0.0172 | | 62.0795 | 62.0795 | 2.9000e-003 | | 62.1520 |
| Total | 0.4146 | 10.7350 | 3.4872 | 0.0236 | 0.5523 | 0.0948 | 0.6471 | 0.1506 | 0.0907 | 0.2413 | | 2,582.651 7 | 2,582.651 7 | 0.2025 | | 2,587.714 2 |

3.4 Building Construction - 2017

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 | 0.9644 | 9.7151 | 5.6762 | 8.2800e-003 | | 0.6302 | 0.6302 | | 0.5798 | 0.5798 | | 847.6515 | 847.6515 | 0.2597 | | 854.1444 |
| Total | 0.9644 | 9.7151 | 5.6762 | 8.2800e-003 | | 0.6302 | 0.6302 | | 0.5798 | 0.5798 | | 847.6515 | 847.6515 | 0.2597 | | 854.1444 |

Schwan Storage - Santa Barbara-South of Santa Ynez Range County, Summer

3.4 Building Construction - 2017

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 | 0.4435 | 9.1700 | 3.5862 | 0.0167 | 0.4027 | 0.0984 | 0.5011 | 0.1159 | 0.0941 | 0.2100 | | 1,790.8919 | 1,790.8919 | 0.1334 | | 1,794.2269 |
| Worker | 0.3273 | 0.2755 | 2.6127 | 4.7500e-003 | 0.4800 | 3.4400e-003 | 0.4834 | 0.1273 | 3.1800e-003 | 0.1305 | | 471.8041 | 471.8041 | 0.0220 | | 472.3548 |
| Total | 0.7708 | 9.4455 | 6.1989 | 0.0214 | 0.8827 | 0.1018 | 0.9845 | 0.2432 | 0.0973 | 0.3405 | | 2,262.6961 | 2,262.6961 | 0.1554 | | 2,266.5817 |

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 | 0.9644 | 9.7151 | 5.6762 | 8.2800e-003 | | 0.6302 | 0.6302 | | 0.5798 | 0.5798 | 0.0000 | 847.6515 | 847.6515 | 0.2597 | | 854.1444 |
| Total | 0.9644 | 9.7151 | 5.6762 | 8.2800e-003 | | 0.6302 | 0.6302 | | 0.5798 | 0.5798 | 0.0000 | 847.6515 | 847.6515 | 0.2597 | | 854.1444 |

Schwan Storage - Santa Barbara-South of Santa Ynez Range County, Summer

3.4 Building Construction - 2017

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 | 0.4435 | 9.1700 | 3.5862 | 0.0167 | 0.4027 | 0.0984 | 0.5011 | 0.1159 | 0.0941 | 0.2100 | | 1,790.8919 | 1,790.8919 | 0.1334 | | 1,794.2269 |
| Worker | 0.3273 | 0.2755 | 2.6127 | 4.7500e-003 | 0.4800 | 3.4400e-003 | 0.4834 | 0.1273 | 3.1800e-003 | 0.1305 | | 471.8041 | 471.8041 | 0.0220 | | 472.3548 |
| Total | 0.7708 | 9.4455 | 6.1989 | 0.0214 | 0.8827 | 0.1018 | 0.9845 | 0.2432 | 0.0973 | 0.3405 | | 2,262.6961 | 2,262.6961 | 0.1554 | | 2,266.5817 |

3.4 Building Construction - 2018

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 | 0.8187 | 8.4019 | 5.4145 | 8.2800e-003 | | 0.5224 | 0.5224 | | 0.4806 | 0.4806 | | 833.7563 | 833.7563 | 0.2596 | | 840.2453 |
| Total | 0.8187 | 8.4019 | 5.4145 | 8.2800e-003 | | 0.5224 | 0.5224 | | 0.4806 | 0.4806 | | 833.7563 | 833.7563 | 0.2596 | | 840.2453 |

Schwan Storage - Santa Barbara-South of Santa Ynez Range County, Summer

3.4 Building Construction - 2018

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 | 0.3825 | 8.6240 | 3.1714 | 0.0165 | 0.4027 | 0.0786 | 0.4813 | 0.1159 | 0.0752 | 0.1911 | | 1,785.7219 | 1,785.7219 | 0.1321 | | 1,789.0248 |
| Worker | 0.2898 | 0.2393 | 2.2771 | 4.6200e-003 | 0.4800 | 3.2700e-003 | 0.4833 | 0.1273 | 3.0200e-003 | 0.1304 | | 459.1272 | 459.1272 | 0.0191 | | 459.6054 |
| Total | 0.6723 | 8.8633 | 5.4486 | 0.0212 | 0.8827 | 0.0819 | 0.9646 | 0.2432 | 0.0782 | 0.3214 | | 2,244.8491 | 2,244.8491 | 0.1513 | | 2,248.6302 |

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 | 0.8187 | 8.4019 | 5.4145 | 8.2800e-003 | | 0.5224 | 0.5224 | | 0.4806 | 0.4806 | 0.0000 | 833.7563 | 833.7563 | 0.2596 | | 840.2453 |
| Total | 0.8187 | 8.4019 | 5.4145 | 8.2800e-003 | | 0.5224 | 0.5224 | | 0.4806 | 0.4806 | 0.0000 | 833.7563 | 833.7563 | 0.2596 | | 840.2453 |

Schwan Storage - Santa Barbara-South of Santa Ynez Range County, Summer

3.4 Building Construction - 2018

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 | 0.3825 | 8.6240 | 3.1714 | 0.0165 | 0.4027 | 0.0786 | 0.4813 | 0.1159 | 0.0752 | 0.1911 | | 1,785.7219 | 1,785.7219 | 0.1321 | | 1,789.0248 |
| Worker | 0.2898 | 0.2393 | 2.2771 | 4.6200e-003 | 0.4800 | 3.2700e-003 | 0.4833 | 0.1273 | 3.0200e-003 | 0.1304 | | 459.1272 | 459.1272 | 0.0191 | | 459.6054 |
| Total | 0.6723 | 8.8633 | 5.4486 | 0.0212 | 0.8827 | 0.0819 | 0.9646 | 0.2432 | 0.0782 | 0.3214 | | 2,244.8491 | 2,244.8491 | 0.1513 | | 2,248.6302 |

3.5 Architectural Coating - 2018

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 | 109.6985 | | | | | 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 |
| Total | 109.6985 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |

Schwan Storage - Santa Barbara-South of Santa Ynez Range County, Summer

3.5 Architectural Coating - 2018

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 | 0.0610 | 0.0504 | 0.4794 | 9.7000e-004 | 0.1011 | 6.9000e-004 | 0.1017 | 0.0268 | 6.4000e-004 | 0.0274 | | 96.6584 | 96.6584 | 4.0300e-003 | | 96.7590 |
| Total | 0.0610 | 0.0504 | 0.4794 | 9.7000e-004 | 0.1011 | 6.9000e-004 | 0.1017 | 0.0268 | 6.4000e-004 | 0.0274 | | 96.6584 | 96.6584 | 4.0300e-003 | | 96.7590 |

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 | 109.6985 | | | | | 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 |
| Total | 109.6985 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |

Schwan Storage - Santa Barbara-South of Santa Ynez Range County, Summer

3.5 Architectural Coating - 2018

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 | 0.0610 | 0.0504 | 0.4794 | 9.7000e-004 | 0.1011 | 6.9000e-004 | 0.1017 | 0.0268 | 6.4000e-004 | 0.0274 | | 96.6584 | 96.6584 | 4.0300e-003 | | 96.7590 |
| Total | 0.0610 | 0.0504 | 0.4794 | 9.7000e-004 | 0.1011 | 6.9000e-004 | 0.1017 | 0.0268 | 6.4000e-004 | 0.0274 | | 96.6584 | 96.6584 | 4.0300e-003 | | 96.7590 |

3.6 Paving - 2018

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 | 0.9202 | 8.7447 | 7.2240 | 0.0113 | | 0.5109 | 0.5109 | | 0.4735 | 0.4735 | | 1,070.1372 | 1,070.1372 | 0.3017 | | 1,077.6798 |
| Paving | 0.2787 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 1.1989 | 8.7447 | 7.2240 | 0.0113 | | 0.5109 | 0.5109 | | 0.4735 | 0.4735 | | 1,070.1372 | 1,070.1372 | 0.3017 | | 1,077.6798 |

Schwan Storage - Santa Barbara-South of Santa Ynez Range County, Summer

3.6 Paving - 2018

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 | 0.0686 | 0.0567 | 0.5393 | 1.0900e-003 | 0.1137 | 7.8000e-004 | 0.1145 | 0.0302 | 7.2000e-004 | 0.0309 | | 108.7407 | 108.7407 | 4.5300e-003 | | 108.8539 |
| Total | 0.0686 | 0.0567 | 0.5393 | 1.0900e-003 | 0.1137 | 7.8000e-004 | 0.1145 | 0.0302 | 7.2000e-004 | 0.0309 | | 108.7407 | 108.7407 | 4.5300e-003 | | 108.8539 |

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 | 0.9202 | 8.7447 | 7.2240 | 0.0113 | | 0.5109 | 0.5109 | | 0.4735 | 0.4735 | 0.0000 | 1,070.1372 | 1,070.1372 | 0.3017 | | 1,077.6798 |
| Paving | 0.2787 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 1.1989 | 8.7447 | 7.2240 | 0.0113 | | 0.5109 | 0.5109 | | 0.4735 | 0.4735 | 0.0000 | 1,070.1372 | 1,070.1372 | 0.3017 | | 1,077.6798 |

Schwan Storage - Santa Barbara-South of Santa Ynez Range County, Summer

3.6 Paving - 2018

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 | 0.0686 | 0.0567 | 0.5393 | 1.0900e-003 | 0.1137 | 7.8000e-004 | 0.1145 | 0.0302 | 7.2000e-004 | 0.0309 | | 108.7407 | 108.7407 | 4.5300e-003 | | 108.8539 |
| Total | 0.0686 | 0.0567 | 0.5393 | 1.0900e-003 | 0.1137 | 7.8000e-004 | 0.1145 | 0.0302 | 7.2000e-004 | 0.0309 | | 108.7407 | 108.7407 | 4.5300e-003 | | 108.8539 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Schwan Storage - Santa Barbara-South of Santa Ynez Range County, Summer

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|--------|--------|--------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|------------|------------|--------|-----|------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 0.4942 | 1.7502 | 5.1894 | 0.0119 | 1.0199 | 0.0166 | 1.0364 | 0.2736 | 0.0156 | 0.2893 | | 1,204.2203 | 1,204.2203 | 0.0638 | | 1,205.8158 |
| Unmitigated | 0.4942 | 1.7502 | 5.1894 | 0.0119 | 1.0199 | 0.0166 | 1.0364 | 0.2736 | 0.0156 | 0.2893 | | 1,204.2203 | 1,204.2203 | 0.0638 | | 1,205.8158 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|----------------------------------|-------------------------|----------|--------|-------------|------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | | |
| Parking Lot | 0.00 | 0.00 | 0.00 | | |
| Unrefrigerated Warehouse-No Rail | 216.00 | 216.00 | 216.00 | 478,115 | 478,115 |
| Total | 216.00 | 216.00 | 216.00 | 478,115 | 478,115 |

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 |
| Other Asphalt Surfaces | 6.60 | 5.50 | 6.40 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Parking Lot | 6.60 | 5.50 | 6.40 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Unrefrigerated Warehouse-No | 6.60 | 5.50 | 6.40 | 59.00 | 0.00 | 41.00 | 92 | 5 | 3 |

4.4 Fleet Mix

Schwan Storage - Santa Barbara-South of Santa Ynez Range County, Summer

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Other Asphalt Surfaces | 0.546962 | 0.032250 | 0.203301 | 0.133652 | 0.025574 | 0.006384 | 0.017070 | 0.018005 | 0.002749 | 0.002622 | 0.007451 | 0.002735 | 0.001244 |
| Parking Lot | 0.546962 | 0.032250 | 0.203301 | 0.133652 | 0.025574 | 0.006384 | 0.017070 | 0.018005 | 0.002749 | 0.002622 | 0.007451 | 0.002735 | 0.001244 |
| Unrefrigerated Warehouse-No Rail | 0.546962 | 0.032250 | 0.203301 | 0.133652 | 0.025574 | 0.006384 | 0.017070 | 0.018005 | 0.002749 | 0.002622 | 0.007451 | 0.002735 | 0.001244 |

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 | 0.0158 | 0.1433 | 0.1204 | 8.6000e-004 | | 0.0109 | 0.0109 | | 0.0109 | 0.0109 | | 171.9459 | 171.9459 | 3.3000e-003 | 3.1500e-003 | 172.9677 |
| NaturalGas Unmitigated | 0.0158 | 0.1433 | 0.1204 | 8.6000e-004 | | 0.0109 | 0.0109 | | 0.0109 | 0.0109 | | 171.9459 | 171.9459 | 3.3000e-003 | 3.1500e-003 | 172.9677 |

Schwan Storage - Santa Barbara-South of Santa Ynez Range County, 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 | | | | | |
| 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 |
| Unrefrigerated Warehouse-No Rail | 1461.54 | 0.0158 | 0.1433 | 0.1204 | 8.6000e-004 | | 0.0109 | 0.0109 | | 0.0109 | 0.0109 | | 171.9459 | 171.9459 | 3.3000e-003 | 3.1500e-003 | 172.9677 |
| Total | | 0.0158 | 0.1433 | 0.1204 | 8.6000e-004 | | 0.0109 | 0.0109 | | 0.0109 | 0.0109 | | 171.9459 | 171.9459 | 3.3000e-003 | 3.1500e-003 | 172.9677 |

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 | | | | | |
| 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 |
| Unrefrigerated Warehouse-No Rail | 1.46154 | 0.0158 | 0.1433 | 0.1204 | 8.6000e-004 | | 0.0109 | 0.0109 | | 0.0109 | 0.0109 | | 171.9459 | 171.9459 | 3.3000e-003 | 3.1500e-003 | 172.9677 |
| Total | | 0.0158 | 0.1433 | 0.1204 | 8.6000e-004 | | 0.0109 | 0.0109 | | 0.0109 | 0.0109 | | 171.9459 | 171.9459 | 3.3000e-003 | 3.1500e-003 | 172.9677 |

Schwan Storage - Santa Barbara-South of Santa Ynez Range County, Summer

6.0 Area Detail

6.1 Mitigation Measures Area

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|--------|-------------|--------|--------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-----|--------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 3.7961 | 1.5000e-004 | 0.0166 | 0.0000 | | 6.0000e-005 | 6.0000e-005 | | 6.0000e-005 | 6.0000e-005 | | 0.0352 | 0.0352 | 1.0000e-004 | | 0.0376 |
| Unmitigated | 3.7961 | 1.5000e-004 | 0.0166 | 0.0000 | | 6.0000e-005 | 6.0000e-005 | | 6.0000e-005 | 6.0000e-005 | | 0.0352 | 0.0352 | 1.0000e-004 | | 0.0376 |

Schwan Storage - Santa Barbara-South of Santa Ynez Range County, 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 | 0.8716 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 2.9229 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 1.5700e-003 | 1.5000e-004 | 0.0166 | 0.0000 | | 6.0000e-005 | 6.0000e-005 | | 6.0000e-005 | 6.0000e-005 | | 0.0352 | 0.0352 | 1.0000e-004 | | 0.0376 |
| Total | 3.7961 | 1.5000e-004 | 0.0166 | 0.0000 | | 6.0000e-005 | 6.0000e-005 | | 6.0000e-005 | 6.0000e-005 | | 0.0352 | 0.0352 | 1.0000e-004 | | 0.0376 |

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 | 0.8716 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 2.9229 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 1.5700e-003 | 1.5000e-004 | 0.0166 | 0.0000 | | 6.0000e-005 | 6.0000e-005 | | 6.0000e-005 | 6.0000e-005 | | 0.0352 | 0.0352 | 1.0000e-004 | | 0.0376 |
| Total | 3.7961 | 1.5000e-004 | 0.0166 | 0.0000 | | 6.0000e-005 | 6.0000e-005 | | 6.0000e-005 | 6.0000e-005 | | 0.0352 | 0.0352 | 1.0000e-004 | | 0.0376 |

7.0 Water Detail

Schwan Storage - Santa Barbara-South of Santa Ynez Range County, Summer

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

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

10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

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

Boilers

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

User Defined Equipment

| Equipment Type | Number |
|----------------|--------|
|----------------|--------|

11.0 Vegetation

Schwan Storage - Santa Barbara-South of Santa Ynez Range County, Winter

Schwan Storage
Santa Barbara-South of Santa Ynez Range County, Winter

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|----------------------------------|--------|----------|-------------|--------------------|------------|
| Unrefrigerated Warehouse-No Rail | 135.74 | 1000sqft | 0.89 | 135,741.00 | 0 |
| Other Asphalt Surfaces | 0.95 | Acre | 0.95 | 41,382.00 | 0 |
| Parking Lot | 24.00 | Space | 0.22 | 9,600.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|--------------------------------|----------------------------|--------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.7 | Precipitation Freq (Days) | 37 |
| Climate Zone | 8 | | | Operational Year | 2019 |
| Utility Company | Southern California Edison | | | | |
| CO2 Intensity (lb/MWhr) | 702.44 | CH4 Intensity (lb/MWhr) | 0.029 | N2O Intensity (lb/MWhr) | 0.006 |

1.3 User Entered Comments & Non-Default Data

Schwan Storage - Santa Barbara-South of Santa Ynez Range County, Winter

Project Characteristics -

Land Use - Data provided by applicant.

Construction Phase - Data provided by applicant.

Off-road Equipment - No equipment.

Off-road Equipment - Data provided by applicant.

Off-road Equipment - CalEEMod defaults.

Off-road Equipment - Data provided by applicant.

Off-road Equipment - Data provided by applicant.

Trips and VMT - Data provided by applicant.

On-road Fugitive Dust -

Demolition - Based on existing buildings to be removed.

Grading - Data provided by applicant.

Architectural Coating -

Vehicle Trips - Provided by project-specific traffic study.

Consumer Products - CalEEMod defaults.

Area Coating - CalEEMod defaults.

Landscape Equipment - CalEEMod defaults.

Energy Use - CalEEMod defaults.

Water And Wastewater - CalEEMod defaults.

Solid Waste - CalEEMod defaults.

| Table Name | Column Name | Default Value | New Value |
|----------------------|------------------|---------------|-----------|
| tblConstructionPhase | NumDays | 10.00 | 29.00 |
| tblConstructionPhase | NumDays | 220.00 | 213.00 |
| tblConstructionPhase | NumDays | 6.00 | 54.00 |
| tblConstructionPhase | NumDays | 10.00 | 11.00 |
| tblGrading | MaterialExported | 0.00 | 11,400.00 |

Schwan Storage - Santa Barbara-South of Santa Ynez Range County, Winter

| | | | |
|---------------------|----------------------------|------------|------------|
| tblLandUse | LandUseSquareFeet | 135,740.00 | 135,741.00 |
| tblLandUse | LotAcreage | 3.12 | 0.89 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 4.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 6.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 4.00 |
| tblOffRoadEquipment | UsageHours | 7.00 | 6.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 6.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 7.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 7.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 6.00 |
| tblOffRoadEquipment | UsageHours | 6.00 | 8.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 7.00 |
| tblTripsAndVMT | HaulingTripNumber | 1,425.00 | 1,520.00 |
| tblTripsAndVMT | VendorTripNumber | 31.00 | 68.00 |
| tblTripsAndVMT | WorkerTripNumber | 13.00 | 14.00 |
| tblTripsAndVMT | WorkerTripNumber | 8.00 | 10.00 |
| tblTripsAndVMT | WorkerTripNumber | 78.00 | 76.00 |
| tblTripsAndVMT | WorkerTripNumber | 20.00 | 18.00 |
| tblVehicleTrips | ST_TR | 1.68 | 1.59 |
| tblVehicleTrips | SU_TR | 1.68 | 1.59 |
| tblVehicleTrips | WD_TR | 1.68 | 1.59 |

Schwan Storage - Santa Barbara-South of Santa Ynez Range County, Winter

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|-----------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|---------------|-------------------|
| Year | lb/day | | | | | | | | | | lb/day | | | | | |
| 2017 | 2.8523 | 29.1262 | 16.2526 | 0.0374 | 5.4977 | 1.6537 | 6.4678 | 2.6809 | 1.5462 | 3.5769 | 0.0000 | 3,995.8211 | 3,995.8211 | 0.6503 | 0.0000 | 4,012.0775 |
| 2018 | 112.5908 | 26.1630 | 19.5695 | 0.0423 | 1.0974 | 1.1184 | 2.2158 | 0.3002 | 1.0354 | 1.3355 | 0.0000 | 4,299.2672 | 4,299.2672 | 0.7279 | 0.0000 | 4,317.4634 |
| Maximum | 112.5908 | 29.1262 | 19.5695 | 0.0423 | 5.4977 | 1.6537 | 6.4678 | 2.6809 | 1.5462 | 3.5769 | 0.0000 | 4,299.2672 | 4,299.2672 | 0.7279 | 0.0000 | 4,317.4634 |

Mitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|-----------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|---------------|-------------------|
| Year | lb/day | | | | | | | | | | lb/day | | | | | |
| 2017 | 2.8523 | 29.1262 | 16.2526 | 0.0374 | 5.4977 | 1.6537 | 6.4678 | 2.6809 | 1.5462 | 3.5769 | 0.0000 | 3,995.8211 | 3,995.8211 | 0.6503 | 0.0000 | 4,012.0775 |
| 2018 | 112.5908 | 26.1630 | 19.5695 | 0.0423 | 1.0974 | 1.1184 | 2.2158 | 0.3002 | 1.0354 | 1.3355 | 0.0000 | 4,299.2672 | 4,299.2672 | 0.7279 | 0.0000 | 4,317.4634 |
| Maximum | 112.5908 | 29.1262 | 19.5695 | 0.0423 | 5.4977 | 1.6537 | 6.4678 | 2.6809 | 1.5462 | 3.5769 | 0.0000 | 4,299.2672 | 4,299.2672 | 0.7279 | 0.0000 | 4,317.4634 |

Schwan Storage - Santa Barbara-South of Santa Ynez Range County, 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 | 3.7961 | 1.5000e-004 | 0.0166 | 0.0000 | | 6.0000e-005 | 6.0000e-005 | | 6.0000e-005 | 6.0000e-005 | | 0.0352 | 0.0352 | 1.0000e-004 | | 0.0376 |
| Energy | 0.0158 | 0.1433 | 0.1204 | 8.6000e-004 | | 0.0109 | 0.0109 | | 0.0109 | 0.0109 | | 171.9459 | 171.9459 | 3.3000e-003 | 3.1500e-003 | 172.9677 |
| Mobile | 0.4919 | 1.8267 | 5.5571 | 0.0117 | 1.0199 | 0.0167 | 1.0366 | 0.2736 | 0.0158 | 0.2894 | | 1,178.8653 | 1,178.8653 | 0.0656 | | 1,180.5064 |
| Total | 4.3037 | 1.9701 | 5.6940 | 0.0126 | 1.0199 | 0.0277 | 1.0476 | 0.2736 | 0.0268 | 0.3004 | | 1,350.8463 | 1,350.8463 | 0.0690 | 3.1500e-003 | 1,353.5116 |

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 | 3.7961 | 1.5000e-004 | 0.0166 | 0.0000 | | 6.0000e-005 | 6.0000e-005 | | 6.0000e-005 | 6.0000e-005 | | 0.0352 | 0.0352 | 1.0000e-004 | | 0.0376 |
| Energy | 0.0158 | 0.1433 | 0.1204 | 8.6000e-004 | | 0.0109 | 0.0109 | | 0.0109 | 0.0109 | | 171.9459 | 171.9459 | 3.3000e-003 | 3.1500e-003 | 172.9677 |
| Mobile | 0.4919 | 1.8267 | 5.5571 | 0.0117 | 1.0199 | 0.0167 | 1.0366 | 0.2736 | 0.0158 | 0.2894 | | 1,178.8653 | 1,178.8653 | 0.0656 | | 1,180.5064 |
| Total | 4.3037 | 1.9701 | 5.6940 | 0.0126 | 1.0199 | 0.0277 | 1.0476 | 0.2736 | 0.0268 | 0.3004 | | 1,350.8463 | 1,350.8463 | 0.0690 | 3.1500e-003 | 1,353.5116 |

Schwan Storage - Santa Barbara-South of Santa Ynez Range County, Winter

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------|------|------|------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|------|------|------|
| 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 | 1/2/2017 | 1/27/2017 | 5 | 20 | |
| 2 | Grading | Grading | 1/28/2017 | 4/13/2017 | 5 | 54 | |
| 3 | Building Construction | Building Construction | 4/14/2017 | 2/6/2018 | 5 | 213 | |
| 4 | Architectural Coating | Architectural Coating | 1/2/2018 | 2/9/2018 | 5 | 29 | |
| 5 | Paving | Paving | 1/7/2018 | 1/22/2018 | 5 | 11 | |

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 20.25

Acres of Paving: 1.17

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 203,612; Non-Residential Outdoor: 67,871; Striped Parking Area: 3,059 (Architectural Coating – sqft)

OffRoad Equipment

Schwan Storage - Santa Barbara-South of Santa Ynez Range County, Winter

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Demolition | Concrete/Industrial Saws | 1 | 8.00 | 81 | 0.73 |
| Demolition | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Demolition | Tractors/Loaders/Backhoes | 3 | 8.00 | 97 | 0.37 |
| Grading | Graders | 1 | 6.00 | 187 | 0.41 |
| Grading | Rubber Tired Dozers | 1 | 6.00 | 247 | 0.40 |
| Grading | Tractors/Loaders/Backhoes | 1 | 7.00 | 97 | 0.37 |
| Building Construction | Cranes | 1 | 4.00 | 231 | 0.29 |
| Building Construction | Forklifts | 2 | 6.00 | 89 | 0.20 |
| Building Construction | Generator Sets | 0 | 8.00 | 84 | 0.74 |
| Building Construction | Tractors/Loaders/Backhoes | 1 | 8.00 | 97 | 0.37 |
| Building Construction | Welders | 0 | 8.00 | 46 | 0.45 |
| Architectural Coating | Air Compressors | 0 | 6.00 | 78 | 0.48 |
| Paving | Cement and Mortar Mixers | 4 | 6.00 | 9 | 0.56 |
| Paving | Pavers | 1 | 7.00 | 130 | 0.42 |
| Paving | Paving Equipment | 0 | 8.00 | 132 | 0.36 |
| Paving | Rollers | 1 | 7.00 | 80 | 0.38 |
| Paving | Tractors/Loaders/Backhoes | 1 | 7.00 | 97 | 0.37 |

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 | 5 | 14.00 | 0.00 | 32.00 | 8.30 | 6.40 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 3 | 10.00 | 0.00 | 1,520.00 | 8.30 | 6.40 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 8 | 76.00 | 68.00 | 0.00 | 8.30 | 6.40 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 16.00 | 0.00 | 0.00 | 8.30 | 6.40 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 8 | 18.00 | 0.00 | 0.00 | 8.30 | 6.40 | 20.00 | LD_Mix | HDT_Mix | HHDT |

Schwan Storage - Santa Barbara-South of Santa Ynez Range County, Winter

3.1 Mitigation Measures Construction

3.2 Demolition - 2017

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 | | | | | 0.3512 | 0.0000 | 0.3512 | 0.0532 | 0.0000 | 0.0532 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.7625 | 26.7594 | 15.5573 | 0.0241 | | 1.6477 | 1.6477 | | 1.5404 | 1.5404 | | 2,421.4229 | 2,421.4229 | 0.6125 | | 2,436.7347 |
| Total | 2.7625 | 26.7594 | 15.5573 | 0.0241 | 0.3512 | 1.6477 | 1.9988 | 0.0532 | 1.5404 | 1.5935 | | 2,421.4229 | 2,421.4229 | 0.6125 | | 2,436.7347 |

Schwan Storage - Santa Barbara-South of Santa Ynez Range County, Winter

3.2 Demolition - 2017

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 | 0.0217 | 0.6135 | 0.1886 | 1.2900e-003 | 0.0278 | 5.4500e-003 | 0.0333 | 7.6100e-003 | 5.2100e-003 | 0.0128 | | 141.5525 | 141.5525 | 0.0116 | | 141.8432 |
| 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 | 0.0682 | 0.0580 | 0.5067 | 8.6000e-004 | 0.0884 | 6.3000e-004 | 0.0891 | 0.0235 | 5.9000e-004 | 0.0240 | | 84.9112 | 84.9112 | 4.1200e-003 | | 85.0143 |
| Total | 0.0898 | 0.6715 | 0.6953 | 2.1500e-003 | 0.1162 | 6.0800e-003 | 0.1223 | 0.0311 | 5.8000e-003 | 0.0369 | | 226.4636 | 226.4636 | 0.0158 | | 226.8575 |

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 | | | | | 0.3512 | 0.0000 | 0.3512 | 0.0532 | 0.0000 | 0.0532 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.7625 | 26.7594 | 15.5573 | 0.0241 | | 1.6477 | 1.6477 | | 1.5404 | 1.5404 | 0.0000 | 2,421.4229 | 2,421.4229 | 0.6125 | | 2,436.7347 |
| Total | 2.7625 | 26.7594 | 15.5573 | 0.0241 | 0.3512 | 1.6477 | 1.9988 | 0.0532 | 1.5404 | 1.5935 | 0.0000 | 2,421.4229 | 2,421.4229 | 0.6125 | | 2,436.7347 |

Schwan Storage - Santa Barbara-South of Santa Ynez Range County, Winter

3.2 Demolition - 2017

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 | 0.0217 | 0.6135 | 0.1886 | 1.2900e-003 | 0.0278 | 5.4500e-003 | 0.0333 | 7.6100e-003 | 5.2100e-003 | 0.0128 | | 141.5525 | 141.5525 | 0.0116 | | 141.8432 |
| 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 | 0.0682 | 0.0580 | 0.5067 | 8.6000e-004 | 0.0884 | 6.3000e-004 | 0.0891 | 0.0235 | 5.9000e-004 | 0.0240 | | 84.9112 | 84.9112 | 4.1200e-003 | | 85.0143 |
| Total | 0.0898 | 0.6715 | 0.6953 | 2.1500e-003 | 0.1162 | 6.0800e-003 | 0.1223 | 0.0311 | 5.8000e-003 | 0.0369 | | 226.4636 | 226.4636 | 0.0158 | | 226.8575 |

3.3 Grading - 2017

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 | | | | | 4.9454 | 0.0000 | 4.9454 | 2.5303 | 0.0000 | 2.5303 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.6023 | 18.2915 | 7.0342 | 0.0141 | | 0.8738 | 0.8738 | | 0.8039 | 0.8039 | | 1,444.8958 | 1,444.8958 | 0.4427 | | 1,455.9636 |
| Total | 1.6023 | 18.2915 | 7.0342 | 0.0141 | 4.9454 | 0.8738 | 5.8192 | 2.5303 | 0.8039 | 3.3342 | | 1,444.8958 | 1,444.8958 | 0.4427 | | 1,455.9636 |

Schwan Storage - Santa Barbara-South of Santa Ynez Range County, Winter

3.3 Grading - 2017

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 | 0.3815 | 10.7932 | 3.3181 | 0.0227 | 0.4892 | 0.0959 | 0.5850 | 0.1338 | 0.0917 | 0.2256 | | 2,490.2745 | 2,490.2745 | 0.2046 | | 2,495.3894 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0487 | 0.0414 | 0.3619 | 6.1000e-004 | 0.0632 | 4.5000e-004 | 0.0636 | 0.0168 | 4.2000e-004 | 0.0172 | | 60.6509 | 60.6509 | 2.9400e-003 | | 60.7245 |
| Total | 0.4302 | 10.8346 | 3.6800 | 0.0233 | 0.5523 | 0.0963 | 0.6486 | 0.1506 | 0.0921 | 0.2427 | | 2,550.9254 | 2,550.9254 | 0.2075 | | 2,556.1139 |

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 | | | | | 4.9454 | 0.0000 | 4.9454 | 2.5303 | 0.0000 | 2.5303 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.6023 | 18.2915 | 7.0342 | 0.0141 | | 0.8738 | 0.8738 | | 0.8039 | 0.8039 | 0.0000 | 1,444.8958 | 1,444.8958 | 0.4427 | | 1,455.9636 |
| Total | 1.6023 | 18.2915 | 7.0342 | 0.0141 | 4.9454 | 0.8738 | 5.8192 | 2.5303 | 0.8039 | 3.3342 | 0.0000 | 1,444.8958 | 1,444.8958 | 0.4427 | | 1,455.9636 |

Schwan Storage - Santa Barbara-South of Santa Ynez Range County, Winter

3.3 Grading - 2017

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 | 0.3815 | 10.7932 | 3.3181 | 0.0227 | 0.4892 | 0.0959 | 0.5850 | 0.1338 | 0.0917 | 0.2256 | | 2,490.2745 | 2,490.2745 | 0.2046 | | 2,495.3894 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0487 | 0.0414 | 0.3619 | 6.1000e-004 | 0.0632 | 4.5000e-004 | 0.0636 | 0.0168 | 4.2000e-004 | 0.0172 | | 60.6509 | 60.6509 | 2.9400e-003 | | 60.7245 |
| Total | 0.4302 | 10.8346 | 3.6800 | 0.0233 | 0.5523 | 0.0963 | 0.6486 | 0.1506 | 0.0921 | 0.2427 | | 2,550.9254 | 2,550.9254 | 0.2075 | | 2,556.1139 |

3.4 Building Construction - 2017

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 | 0.9644 | 9.7151 | 5.6762 | 8.2800e-003 | | 0.6302 | 0.6302 | | 0.5798 | 0.5798 | | 847.6515 | 847.6515 | 0.2597 | | 854.1444 |
| Total | 0.9644 | 9.7151 | 5.6762 | 8.2800e-003 | | 0.6302 | 0.6302 | | 0.5798 | 0.5798 | | 847.6515 | 847.6515 | 0.2597 | | 854.1444 |

Schwan Storage - Santa Barbara-South of Santa Ynez Range County, Winter

3.4 Building Construction - 2017

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 | 0.4659 | 9.1776 | 3.9356 | 0.0163 | 0.4027 | 0.1004 | 0.5032 | 0.1159 | 0.0961 | 0.2120 | | 1,752.9004 | 1,752.9004 | 0.1402 | | 1,756.4051 |
| Worker | 0.3700 | 0.3149 | 2.7504 | 4.6500e-003 | 0.4800 | 3.4400e-003 | 0.4834 | 0.1273 | 3.1800e-003 | 0.1305 | | 460.9465 | 460.9465 | 0.0224 | | 461.5060 |
| Total | 0.8359 | 9.4925 | 6.6860 | 0.0210 | 0.8827 | 0.1039 | 0.9866 | 0.2432 | 0.0992 | 0.3425 | | 2,213.8469 | 2,213.8469 | 0.1626 | | 2,217.9111 |

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 | 0.9644 | 9.7151 | 5.6762 | 8.2800e-003 | | 0.6302 | 0.6302 | | 0.5798 | 0.5798 | 0.0000 | 847.6515 | 847.6515 | 0.2597 | | 854.1444 |
| Total | 0.9644 | 9.7151 | 5.6762 | 8.2800e-003 | | 0.6302 | 0.6302 | | 0.5798 | 0.5798 | 0.0000 | 847.6515 | 847.6515 | 0.2597 | | 854.1444 |

Schwan Storage - Santa Barbara-South of Santa Ynez Range County, Winter

3.4 Building Construction - 2017

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 | 0.4659 | 9.1776 | 3.9356 | 0.0163 | 0.4027 | 0.1004 | 0.5032 | 0.1159 | 0.0961 | 0.2120 | | 1,752.9004 | 1,752.9004 | 0.1402 | | 1,756.4051 |
| Worker | 0.3700 | 0.3149 | 2.7504 | 4.6500e-003 | 0.4800 | 3.4400e-003 | 0.4834 | 0.1273 | 3.1800e-003 | 0.1305 | | 460.9465 | 460.9465 | 0.0224 | | 461.5060 |
| Total | 0.8359 | 9.4925 | 6.6860 | 0.0210 | 0.8827 | 0.1039 | 0.9866 | 0.2432 | 0.0992 | 0.3425 | | 2,213.8469 | 2,213.8469 | 0.1626 | | 2,217.9111 |

3.4 Building Construction - 2018

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 | 0.8187 | 8.4019 | 5.4145 | 8.2800e-003 | | 0.5224 | 0.5224 | | 0.4806 | 0.4806 | | 833.7563 | 833.7563 | 0.2596 | | 840.2453 |
| Total | 0.8187 | 8.4019 | 5.4145 | 8.2800e-003 | | 0.5224 | 0.5224 | | 0.4806 | 0.4806 | | 833.7563 | 833.7563 | 0.2596 | | 840.2453 |

Schwan Storage - Santa Barbara-South of Santa Ynez Range County, Winter

3.4 Building Construction - 2018

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 | 0.4016 | 8.6204 | 3.4795 | 0.0162 | 0.4027 | 0.0804 | 0.4831 | 0.1159 | 0.0769 | 0.1928 | | 1,746.1785 | 1,746.1785 | 0.1386 | | 1,749.6423 |
| Worker | 0.3269 | 0.2736 | 2.3847 | 4.5200e-003 | 0.4800 | 3.2700e-003 | 0.4833 | 0.1273 | 3.0200e-003 | 0.1304 | | 448.5348 | 448.5348 | 0.0194 | | 449.0191 |
| Total | 0.7286 | 8.8940 | 5.8642 | 0.0207 | 0.8827 | 0.0837 | 0.9664 | 0.2432 | 0.0799 | 0.3231 | | 2,194.7133 | 2,194.7133 | 0.1579 | | 2,198.6614 |

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 | 0.8187 | 8.4019 | 5.4145 | 8.2800e-003 | | 0.5224 | 0.5224 | | 0.4806 | 0.4806 | 0.0000 | 833.7563 | 833.7563 | 0.2596 | | 840.2453 |
| Total | 0.8187 | 8.4019 | 5.4145 | 8.2800e-003 | | 0.5224 | 0.5224 | | 0.4806 | 0.4806 | 0.0000 | 833.7563 | 833.7563 | 0.2596 | | 840.2453 |

Schwan Storage - Santa Barbara-South of Santa Ynez Range County, Winter

3.4 Building Construction - 2018

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 | 0.4016 | 8.6204 | 3.4795 | 0.0162 | 0.4027 | 0.0804 | 0.4831 | 0.1159 | 0.0769 | 0.1928 | | 1,746.1785 | 1,746.1785 | 0.1386 | | 1,749.6423 |
| Worker | 0.3269 | 0.2736 | 2.3847 | 4.5200e-003 | 0.4800 | 3.2700e-003 | 0.4833 | 0.1273 | 3.0200e-003 | 0.1304 | | 448.5348 | 448.5348 | 0.0194 | | 449.0191 |
| Total | 0.7286 | 8.8940 | 5.8642 | 0.0207 | 0.8827 | 0.0837 | 0.9664 | 0.2432 | 0.0799 | 0.3231 | | 2,194.7133 | 2,194.7133 | 0.1579 | | 2,198.6614 |

3.5 Architectural Coating - 2018

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 | 109.6985 | | | | | 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 |
| Total | 109.6985 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |

Schwan Storage - Santa Barbara-South of Santa Ynez Range County, Winter

3.5 Architectural Coating - 2018

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 | 0.0688 | 0.0576 | 0.5020 | 9.5000e-004 | 0.1011 | 6.9000e-004 | 0.1017 | 0.0268 | 6.4000e-004 | 0.0274 | | 94.4284 | 94.4284 | 4.0800e-003 | | 94.5303 |
| Total | 0.0688 | 0.0576 | 0.5020 | 9.5000e-004 | 0.1011 | 6.9000e-004 | 0.1017 | 0.0268 | 6.4000e-004 | 0.0274 | | 94.4284 | 94.4284 | 4.0800e-003 | | 94.5303 |

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 | 109.6985 | | | | | 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 |
| Total | 109.6985 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |

Schwan Storage - Santa Barbara-South of Santa Ynez Range County, Winter

3.5 Architectural Coating - 2018

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 | 0.0688 | 0.0576 | 0.5020 | 9.5000e-004 | 0.1011 | 6.9000e-004 | 0.1017 | 0.0268 | 6.4000e-004 | 0.0274 | | 94.4284 | 94.4284 | 4.0800e-003 | | 94.5303 |
| Total | 0.0688 | 0.0576 | 0.5020 | 9.5000e-004 | 0.1011 | 6.9000e-004 | 0.1017 | 0.0268 | 6.4000e-004 | 0.0274 | | 94.4284 | 94.4284 | 4.0800e-003 | | 94.5303 |

3.6 Paving - 2018

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 | 0.9202 | 8.7447 | 7.2240 | 0.0113 | | 0.5109 | 0.5109 | | 0.4735 | 0.4735 | | 1,070.1372 | 1,070.1372 | 0.3017 | | 1,077.6798 |
| Paving | 0.2787 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 1.1989 | 8.7447 | 7.2240 | 0.0113 | | 0.5109 | 0.5109 | | 0.4735 | 0.4735 | | 1,070.1372 | 1,070.1372 | 0.3017 | | 1,077.6798 |

Schwan Storage - Santa Barbara-South of Santa Ynez Range County, Winter

3.6 Paving - 2018

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 | 0.0774 | 0.0648 | 0.5648 | 1.0700e-003 | 0.1137 | 7.8000e-004 | 0.1145 | 0.0302 | 7.2000e-004 | 0.0309 | | 106.2319 | 106.2319 | 4.5900e-003 | | 106.3466 |
| Total | 0.0774 | 0.0648 | 0.5648 | 1.0700e-003 | 0.1137 | 7.8000e-004 | 0.1145 | 0.0302 | 7.2000e-004 | 0.0309 | | 106.2319 | 106.2319 | 4.5900e-003 | | 106.3466 |

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 | 0.9202 | 8.7447 | 7.2240 | 0.0113 | | 0.5109 | 0.5109 | | 0.4735 | 0.4735 | 0.0000 | 1,070.1372 | 1,070.1372 | 0.3017 | | 1,077.6798 |
| Paving | 0.2787 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 1.1989 | 8.7447 | 7.2240 | 0.0113 | | 0.5109 | 0.5109 | | 0.4735 | 0.4735 | 0.0000 | 1,070.1372 | 1,070.1372 | 0.3017 | | 1,077.6798 |

Schwan Storage - Santa Barbara-South of Santa Ynez Range County, Winter

3.6 Paving - 2018

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 | 0.0774 | 0.0648 | 0.5648 | 1.0700e-003 | 0.1137 | 7.8000e-004 | 0.1145 | 0.0302 | 7.2000e-004 | 0.0309 | | 106.2319 | 106.2319 | 4.5900e-003 | | 106.3466 |
| Total | 0.0774 | 0.0648 | 0.5648 | 1.0700e-003 | 0.1137 | 7.8000e-004 | 0.1145 | 0.0302 | 7.2000e-004 | 0.0309 | | 106.2319 | 106.2319 | 4.5900e-003 | | 106.3466 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Schwan Storage - Santa Barbara-South of Santa Ynez Range County, Winter

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|--------|--------|--------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|------------|------------|--------|-----|------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 0.4919 | 1.8267 | 5.5571 | 0.0117 | 1.0199 | 0.0167 | 1.0366 | 0.2736 | 0.0158 | 0.2894 | | 1,178.8653 | 1,178.8653 | 0.0656 | | 1,180.5064 |
| Unmitigated | 0.4919 | 1.8267 | 5.5571 | 0.0117 | 1.0199 | 0.0167 | 1.0366 | 0.2736 | 0.0158 | 0.2894 | | 1,178.8653 | 1,178.8653 | 0.0656 | | 1,180.5064 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|----------------------------------|-------------------------|----------|--------|-------------|------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | | |
| Parking Lot | 0.00 | 0.00 | 0.00 | | |
| Unrefrigerated Warehouse-No Rail | 216.00 | 216.00 | 216.00 | 478,115 | 478,115 |
| Total | 216.00 | 216.00 | 216.00 | 478,115 | 478,115 |

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 |
| Other Asphalt Surfaces | 6.60 | 5.50 | 6.40 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Parking Lot | 6.60 | 5.50 | 6.40 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Unrefrigerated Warehouse-No | 6.60 | 5.50 | 6.40 | 59.00 | 0.00 | 41.00 | 92 | 5 | 3 |

4.4 Fleet Mix

Schwan Storage - Santa Barbara-South of Santa Ynez Range County, Winter

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Other Asphalt Surfaces | 0.546962 | 0.032250 | 0.203301 | 0.133652 | 0.025574 | 0.006384 | 0.017070 | 0.018005 | 0.002749 | 0.002622 | 0.007451 | 0.002735 | 0.001244 |
| Parking Lot | 0.546962 | 0.032250 | 0.203301 | 0.133652 | 0.025574 | 0.006384 | 0.017070 | 0.018005 | 0.002749 | 0.002622 | 0.007451 | 0.002735 | 0.001244 |
| Unrefrigerated Warehouse-No Rail | 0.546962 | 0.032250 | 0.203301 | 0.133652 | 0.025574 | 0.006384 | 0.017070 | 0.018005 | 0.002749 | 0.002622 | 0.007451 | 0.002735 | 0.001244 |

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 | 0.0158 | 0.1433 | 0.1204 | 8.6000e-004 | | 0.0109 | 0.0109 | | 0.0109 | 0.0109 | | 171.9459 | 171.9459 | 3.3000e-003 | 3.1500e-003 | 172.9677 |
| NaturalGas Unmitigated | 0.0158 | 0.1433 | 0.1204 | 8.6000e-004 | | 0.0109 | 0.0109 | | 0.0109 | 0.0109 | | 171.9459 | 171.9459 | 3.3000e-003 | 3.1500e-003 | 172.9677 |

Schwan Storage - Santa Barbara-South of Santa Ynez Range County, 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 | | | | | |
| 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 |
| Unrefrigerated Warehouse-No Rail | 1461.54 | 0.0158 | 0.1433 | 0.1204 | 8.6000e-004 | | 0.0109 | 0.0109 | | 0.0109 | 0.0109 | | 171.9459 | 171.9459 | 3.3000e-003 | 3.1500e-003 | 172.9677 |
| Total | | 0.0158 | 0.1433 | 0.1204 | 8.6000e-004 | | 0.0109 | 0.0109 | | 0.0109 | 0.0109 | | 171.9459 | 171.9459 | 3.3000e-003 | 3.1500e-003 | 172.9677 |

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 | | | | | |
| 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 |
| Unrefrigerated Warehouse-No Rail | 1.46154 | 0.0158 | 0.1433 | 0.1204 | 8.6000e-004 | | 0.0109 | 0.0109 | | 0.0109 | 0.0109 | | 171.9459 | 171.9459 | 3.3000e-003 | 3.1500e-003 | 172.9677 |
| Total | | 0.0158 | 0.1433 | 0.1204 | 8.6000e-004 | | 0.0109 | 0.0109 | | 0.0109 | 0.0109 | | 171.9459 | 171.9459 | 3.3000e-003 | 3.1500e-003 | 172.9677 |

Schwan Storage - Santa Barbara-South of Santa Ynez Range County, Winter

6.0 Area Detail

6.1 Mitigation Measures Area

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|--------|-------------|--------|--------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-----|--------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 3.7961 | 1.5000e-004 | 0.0166 | 0.0000 | | 6.0000e-005 | 6.0000e-005 | | 6.0000e-005 | 6.0000e-005 | | 0.0352 | 0.0352 | 1.0000e-004 | | 0.0376 |
| Unmitigated | 3.7961 | 1.5000e-004 | 0.0166 | 0.0000 | | 6.0000e-005 | 6.0000e-005 | | 6.0000e-005 | 6.0000e-005 | | 0.0352 | 0.0352 | 1.0000e-004 | | 0.0376 |

Schwan Storage - Santa Barbara-South of Santa Ynez Range County, 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 | 0.8716 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 2.9229 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 1.5700e-003 | 1.5000e-004 | 0.0166 | 0.0000 | | 6.0000e-005 | 6.0000e-005 | | 6.0000e-005 | 6.0000e-005 | | 0.0352 | 0.0352 | 1.0000e-004 | | 0.0376 |
| Total | 3.7961 | 1.5000e-004 | 0.0166 | 0.0000 | | 6.0000e-005 | 6.0000e-005 | | 6.0000e-005 | 6.0000e-005 | | 0.0352 | 0.0352 | 1.0000e-004 | | 0.0376 |

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 | 0.8716 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 2.9229 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 1.5700e-003 | 1.5000e-004 | 0.0166 | 0.0000 | | 6.0000e-005 | 6.0000e-005 | | 6.0000e-005 | 6.0000e-005 | | 0.0352 | 0.0352 | 1.0000e-004 | | 0.0376 |
| Total | 3.7961 | 1.5000e-004 | 0.0166 | 0.0000 | | 6.0000e-005 | 6.0000e-005 | | 6.0000e-005 | 6.0000e-005 | | 0.0352 | 0.0352 | 1.0000e-004 | | 0.0376 |

7.0 Water Detail

Schwan Storage - Santa Barbara-South of Santa Ynez Range County, 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 |
|----------------|--------|-----------|-----------|-------------|-------------|-----------|
|----------------|--------|-----------|-----------|-------------|-------------|-----------|

10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

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

Boilers

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

User Defined Equipment

| Equipment Type | Number |
|----------------|--------|
|----------------|--------|

11.0 Vegetation

Attachment B

CalEEMod Output – Kellogg Self Storage Project
Construction and Operational Emissions

Kellogg Storage - Santa Barbara-South of Santa Ynez Range County, Annual

Kellogg Storage
Santa Barbara-South of Santa Ynez Range County, Annual

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|----------------------------------|--------|----------|-------------|--------------------|------------|
| Unrefrigerated Warehouse-No Rail | 136.07 | 1000sqft | 1.08 | 136,067.00 | 0 |
| Other Asphalt Surfaces | 35.43 | 1000sqft | 0.81 | 35,426.00 | 0 |
| Parking Lot | 17.00 | Space | 0.15 | 6,800.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|--------------------------------|----------------------------|--------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.7 | Precipitation Freq (Days) | 37 |
| Climate Zone | 8 | | | Operational Year | 2019 |
| Utility Company | Southern California Edison | | | | |
| CO2 Intensity (lb/MWhr) | 702.44 | CH4 Intensity (lb/MWhr) | 0.029 | N2O Intensity (lb/MWhr) | 0.006 |

1.3 User Entered Comments & Non-Default Data

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Project Characteristics -

Land Use - Data provided by applicant.

Construction Phase - Data provided by applicant.

Off-road Equipment - No equipment.

Off-road Equipment - Data provided by applicant.

Off-road Equipment - CalEEMod defaults.

Off-road Equipment - Data provided by applicant

Off-road Equipment - Data provided by applicant.

Trips and VMT - Haul truck trips based on 2017 Memo.

On-road Fugitive Dust - CalEEMod defaults.

Demolition - Based on 2017 memo.

Grading - Data provided by applicant.

Architectural Coating - CalEEMod defaults.

Vehicle Trips - Based on 2017 traffic memo of 0.25 trips per unit per day.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Consumer Products - CalEEMod defaults.

Area Coating - CalEEMod defaults.

Landscape Equipment - CalEEMod defaults.

Energy Use - CalEEMod defaults.

Water And Wastewater - CalEEMod defaults.

Solid Waste - CalEEMod defaults.

Construction Off-road Equipment Mitigation -

Fleet Mix -

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| Table Name | Column Name | Default Value | New Value |
|----------------------|----------------------------|---------------|------------|
| tblConstructionPhase | NumDays | 10.00 | 32.00 |
| tblConstructionPhase | NumDays | 220.00 | 235.00 |
| tblConstructionPhase | NumDays | 6.00 | 58.00 |
| tblGrading | MaterialExported | 0.00 | 13,270.00 |
| tblLandUse | LandUseSquareFeet | 136,070.00 | 136,067.00 |
| tblLandUse | LandUseSquareFeet | 35,430.00 | 35,426.00 |
| tblLandUse | LotAcreage | 3.12 | 1.08 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 4.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 6.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 4.00 |
| tblOffRoadEquipment | UsageHours | 7.00 | 6.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 6.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 7.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 7.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 6.00 |
| tblOffRoadEquipment | UsageHours | 6.00 | 8.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 7.00 |
| tblTripsAndVMT | HaulingTripNumber | 1,659.00 | 1,770.00 |
| tblTripsAndVMT | VendorTripNumber | 29.00 | 68.00 |
| tblTripsAndVMT | WorkerTripNumber | 13.00 | 14.00 |

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| | | | |
|-----------------|------------------|-------|-------|
| tblTripsAndVMT | WorkerTripNumber | 8.00 | 10.00 |
| tblTripsAndVMT | WorkerTripNumber | 75.00 | 76.00 |
| tblTripsAndVMT | WorkerTripNumber | 15.00 | 16.00 |
| tblVehicleTrips | ST_TR | 1.68 | 1.93 |
| tblVehicleTrips | SU_TR | 1.68 | 1.93 |
| tblVehicleTrips | WD_TR | 1.68 | 1.93 |

2.0 Emissions Summary

Kellogg Storage - Santa Barbara-South of Santa Ynez Range County, Annual

| Quarter | Start Date | End Date | Maximum Unmitigated ROG + NOX (tons/quarter) | Maximum Mitigated ROG + NOX (tons/quarter) |
|---------|------------|-----------|--|--|
| 1 | 1-2-2017 | 4-1-2017 | 1.0149 | 1.0149 |
| 2 | 4-2-2017 | 7-1-2017 | 0.7503 | 0.7503 |
| 3 | 7-2-2017 | 10-1-2017 | 0.6866 | 0.6866 |
| 4 | 10-2-2017 | 1-1-2018 | 0.9916 | 0.9916 |
| 5 | 1-2-2018 | 4-1-2018 | 1.8005 | 1.8005 |
| | | Highest | 1.8005 | 1.8005 |

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 | 0.6934 | 2.0000e-005 | 1.7500e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | 0.0000 | 3.3700e-003 | 3.3700e-003 | 1.0000e-005 | 0.0000 | 3.6000e-003 |
| Energy | 2.8800e-003 | 0.0262 | 0.0220 | 1.6000e-004 | | 1.9900e-003 | 1.9900e-003 | | 1.9900e-003 | 1.9900e-003 | 0.0000 | 209.6463 | 209.6463 | 8.0200e-003 | 2.0700e-003 | 210.4638 |
| Mobile | 0.1067 | 0.4040 | 1.1848 | 2.5800e-003 | 0.2203 | 3.6700e-003 | 0.2240 | 0.0592 | 3.4600e-003 | 0.0627 | 0.0000 | 236.5993 | 236.5993 | 0.0129 | 0.0000 | 236.9227 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 26.5622 | 0.0000 | 26.5622 | 1.3171 | 0.0000 | 59.4906 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 11.1328 | 54.2496 | 65.3824 | 0.0406 | 0.0247 | 73.7491 |
| Total | 0.8031 | 0.4303 | 1.2085 | 2.7400e-003 | 0.2203 | 5.6700e-003 | 0.2260 | 0.0592 | 5.4600e-003 | 0.0647 | 37.6950 | 500.4986 | 538.1937 | 1.3787 | 0.0267 | 580.6298 |

Kellogg Storage - Santa Barbara-South of Santa Ynez Range County, 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 | 0.6934 | 2.0000e-005 | 1.7500e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | 0.0000 | 3.3700e-003 | 3.3700e-003 | 1.0000e-005 | 0.0000 | 3.6000e-003 |
| Energy | 2.8800e-003 | 0.0262 | 0.0220 | 1.6000e-004 | | 1.9900e-003 | 1.9900e-003 | | 1.9900e-003 | 1.9900e-003 | 0.0000 | 209.6463 | 209.6463 | 8.0200e-003 | 2.0700e-003 | 210.4638 |
| Mobile | 0.1067 | 0.4040 | 1.1848 | 2.5800e-003 | 0.2203 | 3.6700e-003 | 0.2240 | 0.0592 | 3.4600e-003 | 0.0627 | 0.0000 | 236.5993 | 236.5993 | 0.0129 | 0.0000 | 236.9227 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 26.5622 | 0.0000 | 26.5622 | 1.3171 | 0.0000 | 59.4906 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 11.1328 | 54.2496 | 65.3824 | 0.0406 | 0.0247 | 73.7491 |
| Total | 0.8031 | 0.4303 | 1.2085 | 2.7400e-003 | 0.2203 | 5.6700e-003 | 0.2260 | 0.0592 | 5.4600e-003 | 0.0647 | 37.6950 | 500.4986 | 538.1937 | 1.3787 | 0.0267 | 580.6298 |

| | ROG | NOx | CO | SO2 | 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

Kellogg Storage - Santa Barbara-South of Santa Ynez Range County, Annual

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|------------|---------------|----------|-------------------|
| 1 | Demolition | Demolition | 1/2/2017 | 1/27/2017 | 5 | 20 | |
| 2 | Grading | Grading | 1/28/2017 | 4/19/2017 | 5 | 58 | |
| 3 | Building Construction | Building Construction | 4/20/2017 | 3/14/2018 | 5 | 235 | |
| 4 | Paving | Paving | 11/12/2017 | 11/24/2017 | 5 | 10 | |
| 5 | Architectural Coating | Architectural Coating | 12/26/2017 | 2/7/2018 | 5 | 32 | |

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 21.75

Acres of Paving: 0.96

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 204,101; Non-Residential Outdoor: 68,034; Striped Parking Area: 2,534 (Architectural Coating – sqft)

OffRoad Equipment

Kellogg Storage - Santa Barbara-South of Santa Ynez Range County, Annual

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Demolition | Concrete/Industrial Saws | 1 | 8.00 | 81 | 0.73 |
| Demolition | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Demolition | Tractors/Loaders/Backhoes | 3 | 8.00 | 97 | 0.37 |
| Grading | Graders | 1 | 6.00 | 187 | 0.41 |
| Grading | Rubber Tired Dozers | 1 | 6.00 | 247 | 0.40 |
| Grading | Tractors/Loaders/Backhoes | 1 | 7.00 | 97 | 0.37 |
| Building Construction | Cranes | 1 | 4.00 | 231 | 0.29 |
| Building Construction | Forklifts | 2 | 6.00 | 89 | 0.20 |
| Building Construction | Generator Sets | 0 | 8.00 | 84 | 0.74 |
| Building Construction | Tractors/Loaders/Backhoes | 1 | 8.00 | 97 | 0.37 |
| Building Construction | Welders | 0 | 8.00 | 46 | 0.45 |
| Paving | Cement and Mortar Mixers | 4 | 6.00 | 9 | 0.56 |
| Paving | Pavers | 1 | 7.00 | 130 | 0.42 |
| Paving | Paving Equipment | 0 | 8.00 | 132 | 0.36 |
| Paving | Rollers | 1 | 7.00 | 80 | 0.38 |
| Paving | Tractors/Loaders/Backhoes | 1 | 7.00 | 97 | 0.37 |
| 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 |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Demolition | 5 | 14.00 | 0.00 | 32.00 | 8.30 | 6.40 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 3 | 10.00 | 0.00 | 1,770.00 | 8.30 | 6.40 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 4 | 76.00 | 68.00 | 0.00 | 8.30 | 6.40 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 7 | 18.00 | 0.00 | 0.00 | 8.30 | 6.40 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 0 | 16.00 | 0.00 | 0.00 | 8.30 | 6.40 | 20.00 | LD_Mix | HDT_Mix | HHDT |

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3.1 Mitigation Measures Construction

3.2 Demolition - 2017

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 | | | | | 3.5100e-003 | 0.0000 | 3.5100e-003 | 5.3000e-004 | 0.0000 | 5.3000e-004 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0276 | 0.2676 | 0.1556 | 2.4000e-004 | | 0.0165 | 0.0165 | | 0.0154 | 0.0154 | 0.0000 | 21.9668 | 21.9668 | 5.5600e-003 | 0.0000 | 22.1057 |
| Total | 0.0276 | 0.2676 | 0.1556 | 2.4000e-004 | 3.5100e-003 | 0.0165 | 0.0200 | 5.3000e-004 | 0.0154 | 0.0159 | 0.0000 | 21.9668 | 21.9668 | 5.5600e-003 | 0.0000 | 22.1057 |

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3.2 Demolition - 2017

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 | 2.1000e-004 | 6.2300e-003 | 1.8300e-003 | 1.0000e-005 | 2.7000e-004 | 5.0000e-005 | 3.3000e-004 | 7.0000e-005 | 5.0000e-005 | 1.3000e-004 | 0.0000 | 1.2932 | 1.2932 | 1.0000e-004 | 0.0000 | 1.2958 |
| 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 | 6.2000e-004 | 5.7000e-004 | 4.9200e-003 | 1.0000e-005 | 8.6000e-004 | 1.0000e-005 | 8.7000e-004 | 2.3000e-004 | 1.0000e-005 | 2.4000e-004 | 0.0000 | 0.7714 | 0.7714 | 4.0000e-005 | 0.0000 | 0.7723 |
| Total | 8.3000e-004 | 6.8000e-003 | 6.7500e-003 | 2.0000e-005 | 1.1300e-003 | 6.0000e-005 | 1.2000e-003 | 3.0000e-004 | 6.0000e-005 | 3.7000e-004 | 0.0000 | 2.0646 | 2.0646 | 1.4000e-004 | 0.0000 | 2.0681 |

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 | | | | | 3.5100e-003 | 0.0000 | 3.5100e-003 | 5.3000e-004 | 0.0000 | 5.3000e-004 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0276 | 0.2676 | 0.1556 | 2.4000e-004 | | 0.0165 | 0.0165 | | 0.0154 | 0.0154 | 0.0000 | 21.9668 | 21.9668 | 5.5600e-003 | 0.0000 | 22.1057 |
| Total | 0.0276 | 0.2676 | 0.1556 | 2.4000e-004 | 3.5100e-003 | 0.0165 | 0.0200 | 5.3000e-004 | 0.0154 | 0.0159 | 0.0000 | 21.9668 | 21.9668 | 5.5600e-003 | 0.0000 | 22.1057 |

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3.2 Demolition - 2017

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 | 2.1000e-004 | 6.2300e-003 | 1.8300e-003 | 1.0000e-005 | 2.7000e-004 | 5.0000e-005 | 3.3000e-004 | 7.0000e-005 | 5.0000e-005 | 1.3000e-004 | 0.0000 | 1.2932 | 1.2932 | 1.0000e-004 | 0.0000 | 1.2958 |
| 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 | 6.2000e-004 | 5.7000e-004 | 4.9200e-003 | 1.0000e-005 | 8.6000e-004 | 1.0000e-005 | 8.7000e-004 | 2.3000e-004 | 1.0000e-005 | 2.4000e-004 | 0.0000 | 0.7714 | 0.7714 | 4.0000e-005 | 0.0000 | 0.7723 |
| Total | 8.3000e-004 | 6.8000e-003 | 6.7500e-003 | 2.0000e-005 | 1.1300e-003 | 6.0000e-005 | 1.2000e-003 | 3.0000e-004 | 6.0000e-005 | 3.7000e-004 | 0.0000 | 2.0646 | 2.0646 | 1.4000e-004 | 0.0000 | 2.0681 |

3.3 Grading - 2017

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 | | | | | 0.1435 | 0.0000 | 0.1435 | 0.0734 | 0.0000 | 0.0734 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0465 | 0.5305 | 0.2040 | 4.1000e-004 | | 0.0253 | 0.0253 | | 0.0233 | 0.0233 | 0.0000 | 38.0128 | 38.0128 | 0.0117 | 0.0000 | 38.3040 |
| Total | 0.0465 | 0.5305 | 0.2040 | 4.1000e-004 | 0.1435 | 0.0253 | 0.1688 | 0.0734 | 0.0233 | 0.0967 | 0.0000 | 38.0128 | 38.0128 | 0.0117 | 0.0000 | 38.3040 |

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3.3 Grading - 2017

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 | 0.0118 | 0.3447 | 0.1015 | 7.2000e-004 | 0.0151 | 2.9900e-003 | 0.0181 | 4.1400e-003 | 2.8600e-003 | 6.9900e-003 | 0.0000 | 71.5303 | 71.5303 | 5.7600e-003 | 0.0000 | 71.6743 |
| 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 | 1.2900e-003 | 1.1800e-003 | 0.0102 | 2.0000e-005 | 1.7900e-003 | 1.0000e-005 | 1.8000e-003 | 4.8000e-004 | 1.0000e-005 | 4.9000e-004 | 0.0000 | 1.5978 | 1.5978 | 8.0000e-005 | 0.0000 | 1.5997 |
| Total | 0.0131 | 0.3459 | 0.1116 | 7.4000e-004 | 0.0169 | 3.0000e-003 | 0.0199 | 4.6200e-003 | 2.8700e-003 | 7.4800e-003 | 0.0000 | 73.1281 | 73.1281 | 5.8400e-003 | 0.0000 | 73.2741 |

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 | | | | | 0.1435 | 0.0000 | 0.1435 | 0.0734 | 0.0000 | 0.0734 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0465 | 0.5305 | 0.2040 | 4.1000e-004 | | 0.0253 | 0.0253 | | 0.0233 | 0.0233 | 0.0000 | 38.0128 | 38.0128 | 0.0117 | 0.0000 | 38.3040 |
| Total | 0.0465 | 0.5305 | 0.2040 | 4.1000e-004 | 0.1435 | 0.0253 | 0.1688 | 0.0734 | 0.0233 | 0.0967 | 0.0000 | 38.0128 | 38.0128 | 0.0117 | 0.0000 | 38.3040 |

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3.3 Grading - 2017

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 | 0.0118 | 0.3447 | 0.1015 | 7.2000e-004 | 0.0151 | 2.9900e-003 | 0.0181 | 4.1400e-003 | 2.8600e-003 | 6.9900e-003 | 0.0000 | 71.5303 | 71.5303 | 5.7600e-003 | 0.0000 | 71.6743 |
| 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 | 1.2900e-003 | 1.1800e-003 | 0.0102 | 2.0000e-005 | 1.7900e-003 | 1.0000e-005 | 1.8000e-003 | 4.8000e-004 | 1.0000e-005 | 4.9000e-004 | 0.0000 | 1.5978 | 1.5978 | 8.0000e-005 | 0.0000 | 1.5997 |
| Total | 0.0131 | 0.3459 | 0.1116 | 7.4000e-004 | 0.0169 | 3.0000e-003 | 0.0199 | 4.6200e-003 | 2.8700e-003 | 7.4800e-003 | 0.0000 | 73.1281 | 73.1281 | 5.8400e-003 | 0.0000 | 73.2741 |

3.4 Building Construction - 2017

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 | 0.0878 | 0.8841 | 0.5165 | 7.5000e-004 | | 0.0574 | 0.0574 | | 0.0528 | 0.0528 | 0.0000 | 69.9769 | 69.9769 | 0.0214 | 0.0000 | 70.5129 |
| Total | 0.0878 | 0.8841 | 0.5165 | 7.5000e-004 | | 0.0574 | 0.0574 | | 0.0528 | 0.0528 | 0.0000 | 69.9769 | 69.9769 | 0.0214 | 0.0000 | 70.5129 |

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3.4 Building Construction - 2017

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 | 0.0413 | 0.8484 | 0.3430 | 1.5000e-003 | 0.0360 | 9.0300e-003 | 0.0450 | 0.0104 | 8.6400e-003 | 0.0190 | 0.0000 | 146.5255 | 146.5255 | 0.0113 | 0.0000 | 146.8077 |
| Worker | 0.0307 | 0.0281 | 0.2431 | 4.2000e-004 | 0.0427 | 3.1000e-004 | 0.0430 | 0.0114 | 2.9000e-004 | 0.0116 | 0.0000 | 38.1051 | 38.1051 | 1.8300e-003 | 0.0000 | 38.1507 |
| Total | 0.0720 | 0.8764 | 0.5860 | 1.9200e-003 | 0.0787 | 9.3400e-003 | 0.0881 | 0.0217 | 8.9300e-003 | 0.0307 | 0.0000 | 184.6306 | 184.6306 | 0.0131 | 0.0000 | 184.9584 |

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 | 0.0878 | 0.8841 | 0.5165 | 7.5000e-004 | | 0.0574 | 0.0574 | | 0.0528 | 0.0528 | 0.0000 | 69.9768 | 69.9768 | 0.0214 | 0.0000 | 70.5128 |
| Total | 0.0878 | 0.8841 | 0.5165 | 7.5000e-004 | | 0.0574 | 0.0574 | | 0.0528 | 0.0528 | 0.0000 | 69.9768 | 69.9768 | 0.0214 | 0.0000 | 70.5128 |

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3.4 Building Construction - 2017

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 | 0.0413 | 0.8484 | 0.3430 | 1.5000e-003 | 0.0360 | 9.0300e-003 | 0.0450 | 0.0104 | 8.6400e-003 | 0.0190 | 0.0000 | 146.5255 | 146.5255 | 0.0113 | 0.0000 | 146.8077 |
| Worker | 0.0307 | 0.0281 | 0.2431 | 4.2000e-004 | 0.0427 | 3.1000e-004 | 0.0430 | 0.0114 | 2.9000e-004 | 0.0116 | 0.0000 | 38.1051 | 38.1051 | 1.8300e-003 | 0.0000 | 38.1507 |
| Total | 0.0720 | 0.8764 | 0.5860 | 1.9200e-003 | 0.0787 | 9.3400e-003 | 0.0881 | 0.0217 | 8.9300e-003 | 0.0307 | 0.0000 | 184.6306 | 184.6306 | 0.0131 | 0.0000 | 184.9584 |

3.4 Building Construction - 2018

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 | 0.0217 | 0.2227 | 0.1435 | 2.2000e-004 | | 0.0138 | 0.0138 | | 0.0127 | 0.0127 | 0.0000 | 20.0438 | 20.0438 | 6.2400e-003 | 0.0000 | 20.1998 |
| Total | 0.0217 | 0.2227 | 0.1435 | 2.2000e-004 | | 0.0138 | 0.0138 | | 0.0127 | 0.0127 | 0.0000 | 20.0438 | 20.0438 | 6.2400e-003 | 0.0000 | 20.1998 |

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3.4 Building Construction - 2018

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 | 0.0104 | 0.2321 | 0.0883 | 4.3000e-004 | 0.0105 | 2.1000e-003 | 0.0126 | 3.0200e-003 | 2.0100e-003 | 5.0300e-003 | 0.0000 | 42.5296 | 42.5296 | 3.2500e-003 | 0.0000 | 42.6108 |
| Worker | 7.9000e-003 | 7.1000e-003 | 0.0615 | 1.2000e-004 | 0.0124 | 9.0000e-005 | 0.0125 | 3.3100e-003 | 8.0000e-005 | 3.3900e-003 | 0.0000 | 10.7978 | 10.7978 | 4.6000e-004 | 0.0000 | 10.8093 |
| Total | 0.0183 | 0.2392 | 0.1497 | 5.5000e-004 | 0.0229 | 2.1900e-003 | 0.0251 | 6.3300e-003 | 2.0900e-003 | 8.4200e-003 | 0.0000 | 53.3273 | 53.3273 | 3.7100e-003 | 0.0000 | 53.4201 |

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 | 0.0217 | 0.2227 | 0.1435 | 2.2000e-004 | | 0.0138 | 0.0138 | | 0.0127 | 0.0127 | 0.0000 | 20.0438 | 20.0438 | 6.2400e-003 | 0.0000 | 20.1998 |
| Total | 0.0217 | 0.2227 | 0.1435 | 2.2000e-004 | | 0.0138 | 0.0138 | | 0.0127 | 0.0127 | 0.0000 | 20.0438 | 20.0438 | 6.2400e-003 | 0.0000 | 20.1998 |

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3.4 Building Construction - 2018

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 | 0.0104 | 0.2321 | 0.0883 | 4.3000e-004 | 0.0105 | 2.1000e-003 | 0.0126 | 3.0200e-003 | 2.0100e-003 | 5.0300e-003 | 0.0000 | 42.5296 | 42.5296 | 3.2500e-003 | 0.0000 | 42.6108 |
| Worker | 7.9000e-003 | 7.1000e-003 | 0.0615 | 1.2000e-004 | 0.0124 | 9.0000e-005 | 0.0125 | 3.3100e-003 | 8.0000e-005 | 3.3900e-003 | 0.0000 | 10.7978 | 10.7978 | 4.6000e-004 | 0.0000 | 10.8093 |
| Total | 0.0183 | 0.2392 | 0.1497 | 5.5000e-004 | 0.0229 | 2.1900e-003 | 0.0251 | 6.3300e-003 | 2.0900e-003 | 8.4200e-003 | 0.0000 | 53.3273 | 53.3273 | 3.7100e-003 | 0.0000 | 53.4201 |

3.5 Paving - 2017

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 | 5.2700e-003 | 0.0499 | 0.0367 | 6.0000e-005 | | 3.0400e-003 | 3.0400e-003 | | 2.8200e-003 | 2.8200e-003 | 0.0000 | 4.9220 | 4.9220 | 1.3700e-003 | 0.0000 | 4.9562 |
| Paving | 1.2600e-003 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 6.5300e-003 | 0.0499 | 0.0367 | 6.0000e-005 | | 3.0400e-003 | 3.0400e-003 | | 2.8200e-003 | 2.8200e-003 | 0.0000 | 4.9220 | 4.9220 | 1.3700e-003 | 0.0000 | 4.9562 |

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3.5 Paving - 2017

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 4.0000e-004 | 3.7000e-004 | 3.1600e-003 | 1.0000e-005 | 5.6000e-004 | 0.0000 | 5.6000e-004 | 1.5000e-004 | 0.0000 | 1.5000e-004 | 0.0000 | 0.4959 | 0.4959 | 2.0000e-005 | 0.0000 | 0.4965 |
| Total | 4.0000e-004 | 3.7000e-004 | 3.1600e-003 | 1.0000e-005 | 5.6000e-004 | 0.0000 | 5.6000e-004 | 1.5000e-004 | 0.0000 | 1.5000e-004 | 0.0000 | 0.4959 | 0.4959 | 2.0000e-005 | 0.0000 | 0.4965 |

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 | 5.2700e-003 | 0.0499 | 0.0367 | 6.0000e-005 | | 3.0400e-003 | 3.0400e-003 | | 2.8200e-003 | 2.8200e-003 | 0.0000 | 4.9220 | 4.9220 | 1.3700e-003 | 0.0000 | 4.9562 |
| Paving | 1.2600e-003 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 6.5300e-003 | 0.0499 | 0.0367 | 6.0000e-005 | | 3.0400e-003 | 3.0400e-003 | | 2.8200e-003 | 2.8200e-003 | 0.0000 | 4.9220 | 4.9220 | 1.3700e-003 | 0.0000 | 4.9562 |

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3.6 Architectural Coating - 2018

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 | 8.8000e-004 | 7.9000e-004 | 6.8400e-003 | 1.0000e-005 | 1.3800e-003 | 1.0000e-005 | 1.3900e-003 | 3.7000e-004 | 1.0000e-005 | 3.8000e-004 | 0.0000 | 1.2009 | 1.2009 | 5.0000e-005 | 0.0000 | 1.2022 |
| Total | 8.8000e-004 | 7.9000e-004 | 6.8400e-003 | 1.0000e-005 | 1.3800e-003 | 1.0000e-005 | 1.3900e-003 | 3.7000e-004 | 1.0000e-005 | 3.8000e-004 | 0.0000 | 1.2009 | 1.2009 | 5.0000e-005 | 0.0000 | 1.2022 |

4.0 Operational Detail - Mobile

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 | 0.1067 | 0.4040 | 1.1848 | 2.5800e-003 | 0.2203 | 3.6700e-003 | 0.2240 | 0.0592 | 3.4600e-003 | 0.0627 | 0.0000 | 236.5993 | 236.5993 | 0.0129 | 0.0000 | 236.9227 |
| Unmitigated | 0.1067 | 0.4040 | 1.1848 | 2.5800e-003 | 0.2203 | 3.6700e-003 | 0.2240 | 0.0592 | 3.4600e-003 | 0.0627 | 0.0000 | 236.5993 | 236.5993 | 0.0129 | 0.0000 | 236.9227 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|----------------------------------|-------------------------|----------|--------|-------------|------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | | |
| Parking Lot | 0.00 | 0.00 | 0.00 | | |
| Unrefrigerated Warehouse-No Rail | 262.00 | 262.00 | 262.00 | 579,936 | 579,936 |
| Total | 262.00 | 262.00 | 262.00 | 579,936 | 579,936 |

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 |
| Other Asphalt Surfaces | 6.60 | 5.50 | 6.40 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Parking Lot | 6.60 | 5.50 | 6.40 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Unrefrigerated Warehouse-No | 6.60 | 5.50 | 6.40 | 59.00 | 0.00 | 41.00 | 92 | 5 | 3 |

4.4 Fleet Mix

Kellogg Storage - Santa Barbara-South of Santa Ynez Range County, Annual

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Other Asphalt Surfaces | 0.546962 | 0.032250 | 0.203301 | 0.133652 | 0.025574 | 0.006384 | 0.017070 | 0.018005 | 0.002749 | 0.002622 | 0.007451 | 0.002735 | 0.001244 |
| Parking Lot | 0.546962 | 0.032250 | 0.203301 | 0.133652 | 0.025574 | 0.006384 | 0.017070 | 0.018005 | 0.002749 | 0.002622 | 0.007451 | 0.002735 | 0.001244 |
| Unrefrigerated Warehouse-No Rail | 0.546962 | 0.032250 | 0.203301 | 0.133652 | 0.025574 | 0.006384 | 0.017070 | 0.018005 | 0.002749 | 0.002622 | 0.007451 | 0.002735 | 0.001244 |

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|-------------|--------|--------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-------------|----------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Electricity Mitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 181.1104 | 181.1104 | 7.4800e-003 | 1.5500e-003 | 181.7583 |
| Electricity Unmitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 181.1104 | 181.1104 | 7.4800e-003 | 1.5500e-003 | 181.7583 |
| NaturalGas Mitigated | 2.8800e-003 | 0.0262 | 0.0220 | 1.6000e-004 | | 1.9900e-003 | 1.9900e-003 | | 1.9900e-003 | 1.9900e-003 | 0.0000 | 28.5359 | 28.5359 | 5.5000e-004 | 5.2000e-004 | 28.7055 |
| NaturalGas Unmitigated | 2.8800e-003 | 0.0262 | 0.0220 | 1.6000e-004 | | 1.9900e-003 | 1.9900e-003 | | 1.9900e-003 | 1.9900e-003 | 0.0000 | 28.5359 | 28.5359 | 5.5000e-004 | 5.2000e-004 | 28.7055 |

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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 | | | | | |
| 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 |
| Unrefrigerated Warehouse-No Rail | 534743 | 2.8800e-003 | 0.0262 | 0.0220 | 1.6000e-004 | | 1.9900e-003 | 1.9900e-003 | | 1.9900e-003 | 1.9900e-003 | 0.0000 | 28.5359 | 28.5359 | 5.5000e-004 | 5.2000e-004 | 28.7055 |
| Total | | 2.8800e-003 | 0.0262 | 0.0220 | 1.6000e-004 | | 1.9900e-003 | 1.9900e-003 | | 1.9900e-003 | 1.9900e-003 | 0.0000 | 28.5359 | 28.5359 | 5.5000e-004 | 5.2000e-004 | 28.7055 |

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 | | | | | |
| 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 |
| Unrefrigerated Warehouse-No Rail | 534743 | 2.8800e-003 | 0.0262 | 0.0220 | 1.6000e-004 | | 1.9900e-003 | 1.9900e-003 | | 1.9900e-003 | 1.9900e-003 | 0.0000 | 28.5359 | 28.5359 | 5.5000e-004 | 5.2000e-004 | 28.7055 |
| Total | | 2.8800e-003 | 0.0262 | 0.0220 | 1.6000e-004 | | 1.9900e-003 | 1.9900e-003 | | 1.9900e-003 | 1.9900e-003 | 0.0000 | 28.5359 | 28.5359 | 5.5000e-004 | 5.2000e-004 | 28.7055 |

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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 | | | |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 2380 | 0.7583 | 3.0000e-005 | 1.0000e-005 | 0.7610 |
| Unrefrigerated Warehouse-No Rail | 566039 | 180.3521 | 7.4500e-003 | 1.5400e-003 | 180.9973 |
| Total | | 181.1104 | 7.4800e-003 | 1.5500e-003 | 181.7583 |

Mitigated

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|----------------------------------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Land Use | kWh/yr | MT/yr | | | |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 2380 | 0.7583 | 3.0000e-005 | 1.0000e-005 | 0.7610 |
| Unrefrigerated Warehouse-No Rail | 566039 | 180.3521 | 7.4500e-003 | 1.5400e-003 | 180.9973 |
| Total | | 181.1104 | 7.4800e-003 | 1.5500e-003 | 181.7583 |

Kellogg Storage - Santa Barbara-South of Santa Ynez Range County, Annual

6.0 Area Detail

6.1 Mitigation Measures Area

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|---------|-------------|-------------|--------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-------------|-------------|-------------|--------|-------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Mitigated | 0.6934 | 2.0000e-005 | 1.7500e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | 0.0000 | 3.3700e-003 | 3.3700e-003 | 1.0000e-005 | 0.0000 | 3.6000e-003 |
| Unmitigated | 0.6934 | 2.0000e-005 | 1.7500e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | 0.0000 | 3.3700e-003 | 3.3700e-003 | 1.0000e-005 | 0.0000 | 3.6000e-003 |

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6.2 Area by SubCategory

Unmitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|--------------------|
| SubCategory | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Architectural Coating | 0.1591 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.5341 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 1.7000e-004 | 2.0000e-005 | 1.7500e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | 0.0000 | 3.3700e-003 | 3.3700e-003 | 1.0000e-005 | 0.0000 | 3.6000e-003 |
| Total | 0.6935 | 2.0000e-005 | 1.7500e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | 0.0000 | 3.3700e-003 | 3.3700e-003 | 1.0000e-005 | 0.0000 | 3.6000e-003 |

Mitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|--------------------|
| SubCategory | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Architectural Coating | 0.1591 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.5341 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 1.7000e-004 | 2.0000e-005 | 1.7500e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | 0.0000 | 3.3700e-003 | 3.3700e-003 | 1.0000e-005 | 0.0000 | 3.6000e-003 |
| Total | 0.6935 | 2.0000e-005 | 1.7500e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | 0.0000 | 3.3700e-003 | 3.3700e-003 | 1.0000e-005 | 0.0000 | 3.6000e-003 |

7.0 Water Detail

Kellogg Storage - Santa Barbara-South of Santa Ynez Range County, Annual

7.1 Mitigation Measures Water

| | Total CO2 | CH4 | N2O | CO2e |
|-------------|-----------|--------|--------|---------|
| Category | MT/yr | | | |
| Mitigated | 65.3824 | 0.0406 | 0.0247 | 73.7491 |
| Unmitigated | 65.3824 | 0.0406 | 0.0247 | 73.7491 |

7.2 Water by Land Use

Unmitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|----------------------------------|--------------------|----------------|---------------|---------------|----------------|
| Land Use | Mgal | MT/yr | | | |
| 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 |
| Unrefrigerated Warehouse-No Rail | 31.4662 / 0 | 65.3824 | 0.0406 | 0.0247 | 73.7491 |
| Total | | 65.3824 | 0.0406 | 0.0247 | 73.7491 |

Kellogg Storage - Santa Barbara-South of Santa Ynez Range County, Annual

7.2 Water by Land Use

Mitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|----------------------------------|--------------------|----------------|---------------|---------------|----------------|
| Land Use | Mgal | MT/yr | | | |
| 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 |
| Unrefrigerated Warehouse-No Rail | 31.4662 / 0 | 65.3824 | 0.0406 | 0.0247 | 73.7491 |
| Total | | 65.3824 | 0.0406 | 0.0247 | 73.7491 |

8.0 Waste Detail

8.1 Mitigation Measures Waste

Kellogg Storage - Santa Barbara-South of Santa Ynez Range County, Annual

Category/Year

| | Total CO2 | CH4 | N2O | CO2e |
|-------------|-----------|--------|--------|---------|
| | MT/yr | | | |
| Mitigated | 26.5622 | 1.3171 | 0.0000 | 59.4906 |
| Unmitigated | 26.5622 | 1.3171 | 0.0000 | 59.4906 |

8.2 Waste by Land Use

Unmitigated

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|----------------------------------|----------------|----------------|---------------|---------------|----------------|
| Land Use | tons | MT/yr | | | |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unrefrigerated Warehouse-No Rail | 127.91 | 26.5622 | 1.3171 | 0.0000 | 59.4906 |
| Total | | 26.5622 | 1.3171 | 0.0000 | 59.4906 |

Kellogg Storage - Santa Barbara-South of Santa Ynez Range County, Annual

8.2 Waste by Land Use

Mitigated

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|----------------------------------|----------------|----------------|---------------|---------------|----------------|
| Land Use | tons | MT/yr | | | |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unrefrigerated Warehouse-No Rail | 127.91 | 26.5622 | 1.3171 | 0.0000 | 59.4906 |
| Total | | 26.5622 | 1.3171 | 0.0000 | 59.4906 |

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

| Equipment Type | Number |
|----------------|--------|
|----------------|--------|

Kellogg Storage - Santa Barbara-South of Santa Ynez Range County, Annual

11.0 Vegetation

Kellogg Storage - Santa Barbara-South of Santa Ynez Range County, Summer

Kellogg Storage
Santa Barbara-South of Santa Ynez Range County, Summer

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|----------------------------------|--------|----------|-------------|--------------------|------------|
| Unrefrigerated Warehouse-No Rail | 136.07 | 1000sqft | 1.08 | 136,067.00 | 0 |
| Other Asphalt Surfaces | 35.43 | 1000sqft | 0.81 | 35,426.00 | 0 |
| Parking Lot | 17.00 | Space | 0.15 | 6,800.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|--------------------------------|----------------------------|--------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.7 | Precipitation Freq (Days) | 37 |
| Climate Zone | 8 | | | Operational Year | 2019 |
| Utility Company | Southern California Edison | | | | |
| CO2 Intensity (lb/MWhr) | 702.44 | CH4 Intensity (lb/MWhr) | 0.029 | N2O Intensity (lb/MWhr) | 0.006 |

1.3 User Entered Comments & Non-Default Data

Kellogg Storage - Santa Barbara-South of Santa Ynez Range County, Summer

Project Characteristics -

Land Use - Data provided by applicant.

Construction Phase - Data provided by applicant.

Off-road Equipment - No equipment.

Off-road Equipment - Data provided by applicant.

Off-road Equipment - CalEEMod defaults.

Off-road Equipment - Data provided by applicant

Off-road Equipment - Data provided by applicant.

Trips and VMT - Haul truck trips based on 2017 Memo.

On-road Fugitive Dust - CalEEMod defaults.

Demolition - Based on 2017 memo.

Grading - Data provided by applicant.

Architectural Coating - CalEEMod defaults.

Vehicle Trips - Based on 2017 traffic memo of 0.25 trips per unit per day.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Consumer Products - CalEEMod defaults.

Area Coating - CalEEMod defaults.

Landscape Equipment - CalEEMod defaults.

Energy Use - CalEEMod defaults.

Water And Wastewater - CalEEMod defaults.

Solid Waste - CalEEMod defaults.

Construction Off-road Equipment Mitigation -

Fleet Mix -

Kellogg Storage - Santa Barbara-South of Santa Ynez Range County, Summer

| Table Name | Column Name | Default Value | New Value |
|----------------------|----------------------------|---------------|------------|
| tblConstructionPhase | NumDays | 10.00 | 32.00 |
| tblConstructionPhase | NumDays | 220.00 | 235.00 |
| tblConstructionPhase | NumDays | 6.00 | 58.00 |
| tblGrading | MaterialExported | 0.00 | 13,270.00 |
| tblLandUse | LandUseSquareFeet | 136,070.00 | 136,067.00 |
| tblLandUse | LandUseSquareFeet | 35,430.00 | 35,426.00 |
| tblLandUse | LotAcreage | 3.12 | 1.08 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 4.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 6.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 4.00 |
| tblOffRoadEquipment | UsageHours | 7.00 | 6.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 6.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 7.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 7.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 6.00 |
| tblOffRoadEquipment | UsageHours | 6.00 | 8.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 7.00 |
| tblTripsAndVMT | HaulingTripNumber | 1,659.00 | 1,770.00 |
| tblTripsAndVMT | VendorTripNumber | 29.00 | 68.00 |
| tblTripsAndVMT | WorkerTripNumber | 13.00 | 14.00 |

Kellogg Storage - Santa Barbara-South of Santa Ynez Range County, Summer

| | | | |
|-----------------|------------------|-------|-------|
| tblTripsAndVMT | WorkerTripNumber | 8.00 | 10.00 |
| tblTripsAndVMT | WorkerTripNumber | 75.00 | 76.00 |
| tblTripsAndVMT | WorkerTripNumber | 15.00 | 16.00 |
| tblVehicleTrips | ST_TR | 1.68 | 1.93 |
| tblVehicleTrips | SU_TR | 1.68 | 1.93 |
| tblVehicleTrips | WD_TR | 1.68 | 1.93 |

2.0 Emissions Summary

Kellogg Storage - Santa Barbara-South of Santa Ynez Range County, 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 | 3.8006 | 1.8000e-004 | 0.0194 | 0.0000 | | 7.0000e-005 | 7.0000e-005 | | 7.0000e-005 | 7.0000e-005 | | 0.0413 | 0.0413 | 1.1000e-004 | | 0.0441 |
| Energy | 0.0158 | 0.1436 | 0.1207 | 8.6000e-004 | | 0.0109 | 0.0109 | | 0.0109 | 0.0109 | | 172.3588 | 172.3588 | 3.3000e-003 | 3.1600e-003 | 173.3831 |
| Mobile | 0.5994 | 2.1229 | 6.2946 | 0.0145 | 1.2371 | 0.0201 | 1.2571 | 0.3319 | 0.0189 | 0.3509 | | 1,460.6747 | 1,460.6747 | 0.0774 | | 1,462.6100 |
| Total | 4.4158 | 2.2667 | 6.4346 | 0.0153 | 1.2371 | 0.0311 | 1.2681 | 0.3319 | 0.0299 | 0.3618 | | 1,633.0748 | 1,633.0748 | 0.0808 | 3.1600e-003 | 1,636.0371 |

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 | 3.8006 | 1.8000e-004 | 0.0194 | 0.0000 | | 7.0000e-005 | 7.0000e-005 | | 7.0000e-005 | 7.0000e-005 | | 0.0413 | 0.0413 | 1.1000e-004 | | 0.0441 |
| Energy | 0.0158 | 0.1436 | 0.1207 | 8.6000e-004 | | 0.0109 | 0.0109 | | 0.0109 | 0.0109 | | 172.3588 | 172.3588 | 3.3000e-003 | 3.1600e-003 | 173.3831 |
| Mobile | 0.5994 | 2.1229 | 6.2946 | 0.0145 | 1.2371 | 0.0201 | 1.2571 | 0.3319 | 0.0189 | 0.3509 | | 1,460.6747 | 1,460.6747 | 0.0774 | | 1,462.6100 |
| Total | 4.4158 | 2.2667 | 6.4346 | 0.0153 | 1.2371 | 0.0311 | 1.2681 | 0.3319 | 0.0299 | 0.3618 | | 1,633.0748 | 1,633.0748 | 0.0808 | 3.1600e-003 | 1,636.0371 |

Kellogg Storage - Santa Barbara-South of Santa Ynez Range County, Summer

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------|------|------|------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|------|------|------|
| 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 | 1/2/2017 | 1/27/2017 | 5 | 20 | |
| 2 | Grading | Grading | 1/28/2017 | 4/19/2017 | 5 | 58 | |
| 3 | Building Construction | Building Construction | 4/20/2017 | 3/14/2018 | 5 | 235 | |
| 4 | Paving | Paving | 11/12/2017 | 11/24/2017 | 5 | 10 | |
| 5 | Architectural Coating | Architectural Coating | 12/26/2017 | 2/7/2018 | 5 | 32 | |

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 21.75

Acres of Paving: 0.96

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 204,101; Non-Residential Outdoor: 68,034; Striped Parking Area: 2,534 (Architectural Coating – sqft)

OffRoad Equipment

Kellogg Storage - Santa Barbara-South of Santa Ynez Range County, Summer

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Demolition | Concrete/Industrial Saws | 1 | 8.00 | 81 | 0.73 |
| Demolition | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Demolition | Tractors/Loaders/Backhoes | 3 | 8.00 | 97 | 0.37 |
| Grading | Graders | 1 | 6.00 | 187 | 0.41 |
| Grading | Rubber Tired Dozers | 1 | 6.00 | 247 | 0.40 |
| Grading | Tractors/Loaders/Backhoes | 1 | 7.00 | 97 | 0.37 |
| Building Construction | Cranes | 1 | 4.00 | 231 | 0.29 |
| Building Construction | Forklifts | 2 | 6.00 | 89 | 0.20 |
| Building Construction | Generator Sets | 0 | 8.00 | 84 | 0.74 |
| Building Construction | Tractors/Loaders/Backhoes | 1 | 8.00 | 97 | 0.37 |
| Building Construction | Welders | 0 | 8.00 | 46 | 0.45 |
| Paving | Cement and Mortar Mixers | 4 | 6.00 | 9 | 0.56 |
| Paving | Pavers | 1 | 7.00 | 130 | 0.42 |
| Paving | Paving Equipment | 0 | 8.00 | 132 | 0.36 |
| Paving | Rollers | 1 | 7.00 | 80 | 0.38 |
| Paving | Tractors/Loaders/Backhoes | 1 | 7.00 | 97 | 0.37 |
| 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 |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Demolition | 5 | 14.00 | 0.00 | 32.00 | 8.30 | 6.40 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 3 | 10.00 | 0.00 | 1,770.00 | 8.30 | 6.40 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 4 | 76.00 | 68.00 | 0.00 | 8.30 | 6.40 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 7 | 18.00 | 0.00 | 0.00 | 8.30 | 6.40 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 0 | 16.00 | 0.00 | 0.00 | 8.30 | 6.40 | 20.00 | LD_Mix | HDT_Mix | HHDT |

Kellogg Storage - Santa Barbara-South of Santa Ynez Range County, Summer

3.1 Mitigation Measures Construction

3.2 Demolition - 2017

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 | | | | | 0.3512 | 0.0000 | 0.3512 | 0.0532 | 0.0000 | 0.0532 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.7625 | 26.7594 | 15.5573 | 0.0241 | | 1.6477 | 1.6477 | | 1.5404 | 1.5404 | | 2,421.4229 | 2,421.4229 | 0.6125 | | 2,436.7347 |
| Total | 2.7625 | 26.7594 | 15.5573 | 0.0241 | 0.3512 | 1.6477 | 1.9988 | 0.0532 | 1.5404 | 1.5935 | | 2,421.4229 | 2,421.4229 | 0.6125 | | 2,436.7347 |

Kellogg Storage - Santa Barbara-South of Santa Ynez Range County, Summer

3.2 Demolition - 2017

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 | 0.0211 | 0.6081 | 0.1787 | 1.3000e-003 | 0.0278 | 5.3600e-003 | 0.0332 | 7.6100e-003 | 5.1300e-003 | 0.0127 | | 143.2746 | 143.2746 | 0.0114 | | 143.5583 |
| 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 | 0.0603 | 0.0508 | 0.4813 | 8.8000e-004 | 0.0884 | 6.3000e-004 | 0.0891 | 0.0235 | 5.9000e-004 | 0.0240 | | 86.9113 | 86.9113 | 4.0600e-003 | | 87.0127 |
| Total | 0.0814 | 0.6589 | 0.6600 | 2.1800e-003 | 0.1162 | 5.9900e-003 | 0.1222 | 0.0311 | 5.7200e-003 | 0.0368 | | 230.1859 | 230.1859 | 0.0154 | | 230.5710 |

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 | | | | | 0.3512 | 0.0000 | 0.3512 | 0.0532 | 0.0000 | 0.0532 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.7625 | 26.7594 | 15.5573 | 0.0241 | | 1.6477 | 1.6477 | | 1.5404 | 1.5404 | 0.0000 | 2,421.4229 | 2,421.4229 | 0.6125 | | 2,436.7347 |
| Total | 2.7625 | 26.7594 | 15.5573 | 0.0241 | 0.3512 | 1.6477 | 1.9988 | 0.0532 | 1.5404 | 1.5935 | 0.0000 | 2,421.4229 | 2,421.4229 | 0.6125 | | 2,436.7347 |

Kellogg Storage - Santa Barbara-South of Santa Ynez Range County, Summer

3.2 Demolition - 2017

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 | 0.0211 | 0.6081 | 0.1787 | 1.3000e-003 | 0.0278 | 5.3600e-003 | 0.0332 | 7.6100e-003 | 5.1300e-003 | 0.0127 | | 143.2746 | 143.2746 | 0.0114 | | 143.5583 |
| 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 | 0.0603 | 0.0508 | 0.4813 | 8.8000e-004 | 0.0884 | 6.3000e-004 | 0.0891 | 0.0235 | 5.9000e-004 | 0.0240 | | 86.9113 | 86.9113 | 4.0600e-003 | | 87.0127 |
| Total | 0.0814 | 0.6589 | 0.6600 | 2.1800e-003 | 0.1162 | 5.9900e-003 | 0.1222 | 0.0311 | 5.7200e-003 | 0.0368 | | 230.1859 | 230.1859 | 0.0154 | | 230.5710 |

3.3 Grading - 2017

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 | | | | | 4.9480 | 0.0000 | 4.9480 | 2.5307 | 0.0000 | 2.5307 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.6023 | 18.2915 | 7.0342 | 0.0141 | | 0.8738 | 0.8738 | | 0.8039 | 0.8039 | | 1,444.8958 | 1,444.8958 | 0.4427 | | 1,455.9636 |
| Total | 1.6023 | 18.2915 | 7.0342 | 0.0141 | 4.9480 | 0.8738 | 5.8218 | 2.5307 | 0.8039 | 3.3346 | | 1,444.8958 | 1,444.8958 | 0.4427 | | 1,455.9636 |

Kellogg Storage - Santa Barbara-South of Santa Ynez Range County, Summer

3.3 Grading - 2017

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 | 0.4028 | 11.5992 | 3.4080 | 0.0249 | 0.5303 | 0.1023 | 0.6326 | 0.1451 | 0.0979 | 0.2430 | | 2,732.7165 | 2,732.7165 | 0.2164 | | 2,738.1266 |
| 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 | 0.0431 | 0.0363 | 0.3438 | 6.3000e-004 | 0.0632 | 4.5000e-004 | 0.0636 | 0.0168 | 4.2000e-004 | 0.0172 | | 62.0795 | 62.0795 | 2.9000e-003 | | 62.1520 |
| Total | 0.4458 | 11.6355 | 3.7518 | 0.0255 | 0.5935 | 0.1028 | 0.6962 | 0.1619 | 0.0983 | 0.2602 | | 2,794.7960 | 2,794.7960 | 0.2193 | | 2,800.2786 |

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 | | | | | 4.9480 | 0.0000 | 4.9480 | 2.5307 | 0.0000 | 2.5307 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.6023 | 18.2915 | 7.0342 | 0.0141 | | 0.8738 | 0.8738 | | 0.8039 | 0.8039 | 0.0000 | 1,444.8958 | 1,444.8958 | 0.4427 | | 1,455.9636 |
| Total | 1.6023 | 18.2915 | 7.0342 | 0.0141 | 4.9480 | 0.8738 | 5.8218 | 2.5307 | 0.8039 | 3.3346 | 0.0000 | 1,444.8958 | 1,444.8958 | 0.4427 | | 1,455.9636 |

Kellogg Storage - Santa Barbara-South of Santa Ynez Range County, Summer

3.3 Grading - 2017

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 | 0.4028 | 11.5992 | 3.4080 | 0.0249 | 0.5303 | 0.1023 | 0.6326 | 0.1451 | 0.0979 | 0.2430 | | 2,732.7165 | 2,732.7165 | 0.2164 | | 2,738.1266 |
| 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 | 0.0431 | 0.0363 | 0.3438 | 6.3000e-004 | 0.0632 | 4.5000e-004 | 0.0636 | 0.0168 | 4.2000e-004 | 0.0172 | | 62.0795 | 62.0795 | 2.9000e-003 | | 62.1520 |
| Total | 0.4458 | 11.6355 | 3.7518 | 0.0255 | 0.5935 | 0.1028 | 0.6962 | 0.1619 | 0.0983 | 0.2602 | | 2,794.7960 | 2,794.7960 | 0.2193 | | 2,800.2786 |

3.4 Building Construction - 2017

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 | 0.9644 | 9.7151 | 5.6762 | 8.2800e-003 | | 0.6302 | 0.6302 | | 0.5798 | 0.5798 | | 847.6515 | 847.6515 | 0.2597 | | 854.1444 |
| Total | 0.9644 | 9.7151 | 5.6762 | 8.2800e-003 | | 0.6302 | 0.6302 | | 0.5798 | 0.5798 | | 847.6515 | 847.6515 | 0.2597 | | 854.1444 |

Kellogg Storage - Santa Barbara-South of Santa Ynez Range County, Summer

3.4 Building Construction - 2017

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 | 0.4435 | 9.1700 | 3.5862 | 0.0167 | 0.4027 | 0.0984 | 0.5011 | 0.1159 | 0.0941 | 0.2100 | | 1,790.8919 | 1,790.8919 | 0.1334 | | 1,794.2269 |
| Worker | 0.3273 | 0.2755 | 2.6127 | 4.7500e-003 | 0.4800 | 3.4400e-003 | 0.4834 | 0.1273 | 3.1800e-003 | 0.1305 | | 471.8041 | 471.8041 | 0.0220 | | 472.3548 |
| Total | 0.7708 | 9.4455 | 6.1989 | 0.0214 | 0.8827 | 0.1018 | 0.9845 | 0.2432 | 0.0973 | 0.3405 | | 2,262.6961 | 2,262.6961 | 0.1554 | | 2,266.5817 |

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 | 0.9644 | 9.7151 | 5.6762 | 8.2800e-003 | | 0.6302 | 0.6302 | | 0.5798 | 0.5798 | 0.0000 | 847.6515 | 847.6515 | 0.2597 | | 854.1444 |
| Total | 0.9644 | 9.7151 | 5.6762 | 8.2800e-003 | | 0.6302 | 0.6302 | | 0.5798 | 0.5798 | 0.0000 | 847.6515 | 847.6515 | 0.2597 | | 854.1444 |

Kellogg Storage - Santa Barbara-South of Santa Ynez Range County, Summer

3.4 Building Construction - 2017

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 | 0.4435 | 9.1700 | 3.5862 | 0.0167 | 0.4027 | 0.0984 | 0.5011 | 0.1159 | 0.0941 | 0.2100 | | 1,790.8919 | 1,790.8919 | 0.1334 | | 1,794.2269 |
| Worker | 0.3273 | 0.2755 | 2.6127 | 4.7500e-003 | 0.4800 | 3.4400e-003 | 0.4834 | 0.1273 | 3.1800e-003 | 0.1305 | | 471.8041 | 471.8041 | 0.0220 | | 472.3548 |
| Total | 0.7708 | 9.4455 | 6.1989 | 0.0214 | 0.8827 | 0.1018 | 0.9845 | 0.2432 | 0.0973 | 0.3405 | | 2,262.6961 | 2,262.6961 | 0.1554 | | 2,266.5817 |

3.4 Building Construction - 2018

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 | 0.8187 | 8.4019 | 5.4145 | 8.2800e-003 | | 0.5224 | 0.5224 | | 0.4806 | 0.4806 | | 833.7563 | 833.7563 | 0.2596 | | 840.2453 |
| Total | 0.8187 | 8.4019 | 5.4145 | 8.2800e-003 | | 0.5224 | 0.5224 | | 0.4806 | 0.4806 | | 833.7563 | 833.7563 | 0.2596 | | 840.2453 |

Kellogg Storage - Santa Barbara-South of Santa Ynez Range County, Summer

3.4 Building Construction - 2018

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 | 0.3825 | 8.6240 | 3.1714 | 0.0165 | 0.4027 | 0.0786 | 0.4813 | 0.1159 | 0.0752 | 0.1911 | | 1,785.7219 | 1,785.7219 | 0.1321 | | 1,789.0248 |
| Worker | 0.2898 | 0.2393 | 2.2771 | 4.6200e-003 | 0.4800 | 3.2700e-003 | 0.4833 | 0.1273 | 3.0200e-003 | 0.1304 | | 459.1272 | 459.1272 | 0.0191 | | 459.6054 |
| Total | 0.6723 | 8.8633 | 5.4486 | 0.0212 | 0.8827 | 0.0819 | 0.9646 | 0.2432 | 0.0782 | 0.3214 | | 2,244.8491 | 2,244.8491 | 0.1513 | | 2,248.6302 |

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 | 0.8187 | 8.4019 | 5.4145 | 8.2800e-003 | | 0.5224 | 0.5224 | | 0.4806 | 0.4806 | 0.0000 | 833.7563 | 833.7563 | 0.2596 | | 840.2453 |
| Total | 0.8187 | 8.4019 | 5.4145 | 8.2800e-003 | | 0.5224 | 0.5224 | | 0.4806 | 0.4806 | 0.0000 | 833.7563 | 833.7563 | 0.2596 | | 840.2453 |

Kellogg Storage - Santa Barbara-South of Santa Ynez Range County, Summer

3.4 Building Construction - 2018

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 | 0.3825 | 8.6240 | 3.1714 | 0.0165 | 0.4027 | 0.0786 | 0.4813 | 0.1159 | 0.0752 | 0.1911 | | 1,785.7219 | 1,785.7219 | 0.1321 | | 1,789.0248 |
| Worker | 0.2898 | 0.2393 | 2.2771 | 4.6200e-003 | 0.4800 | 3.2700e-003 | 0.4833 | 0.1273 | 3.0200e-003 | 0.1304 | | 459.1272 | 459.1272 | 0.0191 | | 459.6054 |
| Total | 0.6723 | 8.8633 | 5.4486 | 0.0212 | 0.8827 | 0.0819 | 0.9646 | 0.2432 | 0.0782 | 0.3214 | | 2,244.8491 | 2,244.8491 | 0.1513 | | 2,248.6302 |

3.5 Paving - 2017

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 | 1.0532 | 9.9754 | 7.3425 | 0.0113 | | 0.6087 | 0.6087 | | 0.5636 | 0.5636 | | 1,085.1071 | 1,085.1071 | 0.3018 | | 1,092.6515 |
| Paving | 0.2515 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 1.3047 | 9.9754 | 7.3425 | 0.0113 | | 0.6087 | 0.6087 | | 0.5636 | 0.5636 | | 1,085.1071 | 1,085.1071 | 0.3018 | | 1,092.6515 |

Kellogg Storage - Santa Barbara-South of Santa Ynez Range County, Summer

3.5 Paving - 2017

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 | 0.0775 | 0.0653 | 0.6188 | 1.1300e-003 | 0.1137 | 8.2000e-004 | 0.1145 | 0.0302 | 7.5000e-004 | 0.0309 | | 111.7431 | 111.7431 | 5.2200e-003 | | 111.8735 |
| Total | 0.0775 | 0.0653 | 0.6188 | 1.1300e-003 | 0.1137 | 8.2000e-004 | 0.1145 | 0.0302 | 7.5000e-004 | 0.0309 | | 111.7431 | 111.7431 | 5.2200e-003 | | 111.8735 |

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 | 1.0532 | 9.9754 | 7.3425 | 0.0113 | | 0.6087 | 0.6087 | | 0.5636 | 0.5636 | 0.0000 | 1,085.1071 | 1,085.1071 | 0.3018 | | 1,092.6515 |
| Paving | 0.2515 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 1.3047 | 9.9754 | 7.3425 | 0.0113 | | 0.6087 | 0.6087 | | 0.5636 | 0.5636 | 0.0000 | 1,085.1071 | 1,085.1071 | 0.3018 | | 1,092.6515 |

Kellogg Storage - Santa Barbara-South of Santa Ynez Range County, Summer

3.5 Paving - 2017

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 | 0.0775 | 0.0653 | 0.6188 | 1.1300e-003 | 0.1137 | 8.2000e-004 | 0.1145 | 0.0302 | 7.5000e-004 | 0.0309 | | 111.7431 | 111.7431 | 5.2200e-003 | | 111.8735 |
| Total | 0.0775 | 0.0653 | 0.6188 | 1.1300e-003 | 0.1137 | 8.2000e-004 | 0.1145 | 0.0302 | 7.5000e-004 | 0.0309 | | 111.7431 | 111.7431 | 5.2200e-003 | | 111.8735 |

3.6 Architectural Coating - 2017

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 | 99.4602 | | | | | 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 |
| Total | 99.4602 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |

Kellogg Storage - Santa Barbara-South of Santa Ynez Range County, Summer

3.6 Architectural Coating - 2017

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 | 0.0689 | 0.0580 | 0.5501 | 1.0000e-003 | 0.1011 | 7.2000e-004 | 0.1018 | 0.0268 | 6.7000e-004 | 0.0275 | | 99.3272 | 99.3272 | 4.6400e-003 | | 99.4431 |
| Total | 0.0689 | 0.0580 | 0.5501 | 1.0000e-003 | 0.1011 | 7.2000e-004 | 0.1018 | 0.0268 | 6.7000e-004 | 0.0275 | | 99.3272 | 99.3272 | 4.6400e-003 | | 99.4431 |

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 | 99.4602 | | | | | 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 |
| Total | 99.4602 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |

Kellogg Storage - Santa Barbara-South of Santa Ynez Range County, Summer

3.6 Architectural Coating - 2017

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 | 0.0689 | 0.0580 | 0.5501 | 1.0000e-003 | 0.1011 | 7.2000e-004 | 0.1018 | 0.0268 | 6.7000e-004 | 0.0275 | | 99.3272 | 99.3272 | 4.6400e-003 | | 99.4431 |
| Total | 0.0689 | 0.0580 | 0.5501 | 1.0000e-003 | 0.1011 | 7.2000e-004 | 0.1018 | 0.0268 | 6.7000e-004 | 0.0275 | | 99.3272 | 99.3272 | 4.6400e-003 | | 99.4431 |

3.6 Architectural Coating - 2018

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 | 99.4602 | | | | | 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 |
| Total | 99.4602 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |

Kellogg Storage - Santa Barbara-South of Santa Ynez Range County, Summer

3.6 Architectural Coating - 2018

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 | 0.0610 | 0.0504 | 0.4794 | 9.7000e-004 | 0.1011 | 6.9000e-004 | 0.1017 | 0.0268 | 6.4000e-004 | 0.0274 | | 96.6584 | 96.6584 | 4.0300e-003 | | 96.7590 |
| Total | 0.0610 | 0.0504 | 0.4794 | 9.7000e-004 | 0.1011 | 6.9000e-004 | 0.1017 | 0.0268 | 6.4000e-004 | 0.0274 | | 96.6584 | 96.6584 | 4.0300e-003 | | 96.7590 |

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 | 99.4602 | | | | | 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 |
| Total | 99.4602 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |

Kellogg Storage - Santa Barbara-South of Santa Ynez Range County, Summer

3.6 Architectural Coating - 2018

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 | 0.0610 | 0.0504 | 0.4794 | 9.7000e-004 | 0.1011 | 6.9000e-004 | 0.1017 | 0.0268 | 6.4000e-004 | 0.0274 | | 96.6584 | 96.6584 | 4.0300e-003 | | 96.7590 |
| Total | 0.0610 | 0.0504 | 0.4794 | 9.7000e-004 | 0.1011 | 6.9000e-004 | 0.1017 | 0.0268 | 6.4000e-004 | 0.0274 | | 96.6584 | 96.6584 | 4.0300e-003 | | 96.7590 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Kellogg Storage - Santa Barbara-South of Santa Ynez Range County, Summer

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|--------|--------|--------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|------------|------------|--------|-----|------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 0.5994 | 2.1229 | 6.2946 | 0.0145 | 1.2371 | 0.0201 | 1.2571 | 0.3319 | 0.0189 | 0.3509 | | 1,460.6747 | 1,460.6747 | 0.0774 | | 1,462.6100 |
| Unmitigated | 0.5994 | 2.1229 | 6.2946 | 0.0145 | 1.2371 | 0.0201 | 1.2571 | 0.3319 | 0.0189 | 0.3509 | | 1,460.6747 | 1,460.6747 | 0.0774 | | 1,462.6100 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|----------------------------------|-------------------------|----------|--------|-------------|------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | | |
| Parking Lot | 0.00 | 0.00 | 0.00 | | |
| Unrefrigerated Warehouse-No Rail | 262.00 | 262.00 | 262.00 | 579,936 | 579,936 |
| Total | 262.00 | 262.00 | 262.00 | 579,936 | 579,936 |

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 |
| Other Asphalt Surfaces | 6.60 | 5.50 | 6.40 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Parking Lot | 6.60 | 5.50 | 6.40 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Unrefrigerated Warehouse-No | 6.60 | 5.50 | 6.40 | 59.00 | 0.00 | 41.00 | 92 | 5 | 3 |

4.4 Fleet Mix

Kellogg Storage - Santa Barbara-South of Santa Ynez Range County, Summer

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Other Asphalt Surfaces | 0.546962 | 0.032250 | 0.203301 | 0.133652 | 0.025574 | 0.006384 | 0.017070 | 0.018005 | 0.002749 | 0.002622 | 0.007451 | 0.002735 | 0.001244 |
| Parking Lot | 0.546962 | 0.032250 | 0.203301 | 0.133652 | 0.025574 | 0.006384 | 0.017070 | 0.018005 | 0.002749 | 0.002622 | 0.007451 | 0.002735 | 0.001244 |
| Unrefrigerated Warehouse-No Rail | 0.546962 | 0.032250 | 0.203301 | 0.133652 | 0.025574 | 0.006384 | 0.017070 | 0.018005 | 0.002749 | 0.002622 | 0.007451 | 0.002735 | 0.001244 |

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 | 0.0158 | 0.1436 | 0.1207 | 8.6000e-004 | | 0.0109 | 0.0109 | | 0.0109 | 0.0109 | | 172.3588 | 172.3588 | 3.3000e-003 | 3.1600e-003 | 173.3831 |
| NaturalGas Unmitigated | 0.0158 | 0.1436 | 0.1207 | 8.6000e-004 | | 0.0109 | 0.0109 | | 0.0109 | 0.0109 | | 172.3588 | 172.3588 | 3.3000e-003 | 3.1600e-003 | 173.3831 |

Kellogg Storage - Santa Barbara-South of Santa Ynez Range County, 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 | | | | | |
| 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 |
| Unrefrigerated Warehouse-No Rail | 1465.05 | 0.0158 | 0.1436 | 0.1207 | 8.6000e-004 | | 0.0109 | 0.0109 | | 0.0109 | 0.0109 | | 172.3588 | 172.3588 | 3.3000e-003 | 3.1600e-003 | 173.3831 |
| Total | | 0.0158 | 0.1436 | 0.1207 | 8.6000e-004 | | 0.0109 | 0.0109 | | 0.0109 | 0.0109 | | 172.3588 | 172.3588 | 3.3000e-003 | 3.1600e-003 | 173.3831 |

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 | | | | | |
| 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 |
| Unrefrigerated Warehouse-No Rail | 1.46505 | 0.0158 | 0.1436 | 0.1207 | 8.6000e-004 | | 0.0109 | 0.0109 | | 0.0109 | 0.0109 | | 172.3588 | 172.3588 | 3.3000e-003 | 3.1600e-003 | 173.3831 |
| Total | | 0.0158 | 0.1436 | 0.1207 | 8.6000e-004 | | 0.0109 | 0.0109 | | 0.0109 | 0.0109 | | 172.3588 | 172.3588 | 3.3000e-003 | 3.1600e-003 | 173.3831 |

Kellogg Storage - Santa Barbara-South of Santa Ynez Range County, Summer

6.0 Area Detail

6.1 Mitigation Measures Area

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|--------|-------------|--------|--------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-----|--------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 3.8006 | 1.8000e-004 | 0.0194 | 0.0000 | | 7.0000e-005 | 7.0000e-005 | | 7.0000e-005 | 7.0000e-005 | | 0.0413 | 0.0413 | 1.1000e-004 | | 0.0441 |
| Unmitigated | 3.8006 | 1.8000e-004 | 0.0194 | 0.0000 | | 7.0000e-005 | 7.0000e-005 | | 7.0000e-005 | 7.0000e-005 | | 0.0413 | 0.0413 | 1.1000e-004 | | 0.0441 |

Kellogg Storage - Santa Barbara-South of Santa Ynez Range County, 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 | 0.8720 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 2.9268 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 1.8400e-003 | 1.8000e-004 | 0.0194 | 0.0000 | | 7.0000e-005 | 7.0000e-005 | | 7.0000e-005 | 7.0000e-005 | | 0.0413 | 0.0413 | 1.1000e-004 | | 0.0441 |
| Total | 3.8006 | 1.8000e-004 | 0.0194 | 0.0000 | | 7.0000e-005 | 7.0000e-005 | | 7.0000e-005 | 7.0000e-005 | | 0.0413 | 0.0413 | 1.1000e-004 | | 0.0441 |

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 | 0.8720 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 2.9268 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 1.8400e-003 | 1.8000e-004 | 0.0194 | 0.0000 | | 7.0000e-005 | 7.0000e-005 | | 7.0000e-005 | 7.0000e-005 | | 0.0413 | 0.0413 | 1.1000e-004 | | 0.0441 |
| Total | 3.8006 | 1.8000e-004 | 0.0194 | 0.0000 | | 7.0000e-005 | 7.0000e-005 | | 7.0000e-005 | 7.0000e-005 | | 0.0413 | 0.0413 | 1.1000e-004 | | 0.0441 |

7.0 Water Detail

Kellogg Storage - Santa Barbara-South of Santa Ynez Range County, Summer

7.1 Mitigation Measures Water**8.0 Waste Detail**

8.1 Mitigation Measures Waste**9.0 Operational Offroad**

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

| Equipment Type | Number |
|----------------|--------|
|----------------|--------|

11.0 Vegetation

Kellogg Storage - Santa Barbara-South of Santa Ynez Range County, Winter

Kellogg Storage
Santa Barbara-South of Santa Ynez Range County, Winter

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|----------------------------------|--------|----------|-------------|--------------------|------------|
| Unrefrigerated Warehouse-No Rail | 136.07 | 1000sqft | 1.08 | 136,067.00 | 0 |
| Other Asphalt Surfaces | 35.43 | 1000sqft | 0.81 | 35,426.00 | 0 |
| Parking Lot | 17.00 | Space | 0.15 | 6,800.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|--------------------------------|----------------------------|--------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.7 | Precipitation Freq (Days) | 37 |
| Climate Zone | 8 | | | Operational Year | 2019 |
| Utility Company | Southern California Edison | | | | |
| CO2 Intensity (lb/MWhr) | 702.44 | CH4 Intensity (lb/MWhr) | 0.029 | N2O Intensity (lb/MWhr) | 0.006 |

1.3 User Entered Comments & Non-Default Data

Kellogg Storage - Santa Barbara-South of Santa Ynez Range County, Winter

Project Characteristics -

Land Use - Data provided by applicant.

Construction Phase - Data provided by applicant.

Off-road Equipment - No equipment.

Off-road Equipment - Data provided by applicant.

Off-road Equipment - CalEEMod defaults.

Off-road Equipment - Data provided by applicant

Off-road Equipment - Data provided by applicant.

Trips and VMT - Haul truck trips based on 2017 Memo.

On-road Fugitive Dust - CalEEMod defaults.

Demolition - Based on 2017 memo.

Grading - Data provided by applicant.

Architectural Coating - CalEEMod defaults.

Vehicle Trips - Based on 2017 traffic memo of 0.25 trips per unit per day.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Consumer Products - CalEEMod defaults.

Area Coating - CalEEMod defaults.

Landscape Equipment - CalEEMod defaults.

Energy Use - CalEEMod defaults.

Water And Wastewater - CalEEMod defaults.

Solid Waste - CalEEMod defaults.

Construction Off-road Equipment Mitigation -

Fleet Mix -

Kellogg Storage - Santa Barbara-South of Santa Ynez Range County, Winter

| Table Name | Column Name | Default Value | New Value |
|----------------------|----------------------------|---------------|------------|
| tblConstructionPhase | NumDays | 10.00 | 32.00 |
| tblConstructionPhase | NumDays | 220.00 | 235.00 |
| tblConstructionPhase | NumDays | 6.00 | 58.00 |
| tblGrading | MaterialExported | 0.00 | 13,270.00 |
| tblLandUse | LandUseSquareFeet | 136,070.00 | 136,067.00 |
| tblLandUse | LandUseSquareFeet | 35,430.00 | 35,426.00 |
| tblLandUse | LotAcreage | 3.12 | 1.08 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 4.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 6.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 4.00 |
| tblOffRoadEquipment | UsageHours | 7.00 | 6.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 6.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 7.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 7.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 6.00 |
| tblOffRoadEquipment | UsageHours | 6.00 | 8.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 7.00 |
| tblTripsAndVMT | HaulingTripNumber | 1,659.00 | 1,770.00 |
| tblTripsAndVMT | VendorTripNumber | 29.00 | 68.00 |
| tblTripsAndVMT | WorkerTripNumber | 13.00 | 14.00 |

Kellogg Storage - Santa Barbara-South of Santa Ynez Range County, Winter

| | | | |
|-----------------|------------------|-------|-------|
| tblTripsAndVMT | WorkerTripNumber | 8.00 | 10.00 |
| tblTripsAndVMT | WorkerTripNumber | 75.00 | 76.00 |
| tblTripsAndVMT | WorkerTripNumber | 15.00 | 16.00 |
| tblVehicleTrips | ST_TR | 1.68 | 1.93 |
| tblVehicleTrips | SU_TR | 1.68 | 1.93 |
| tblVehicleTrips | WD_TR | 1.68 | 1.93 |

2.0 Emissions Summary

Kellogg Storage - Santa Barbara-South of Santa Ynez Range County, 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 | 3.8006 | 1.8000e-004 | 0.0194 | 0.0000 | | 7.0000e-005 | 7.0000e-005 | | 7.0000e-005 | 7.0000e-005 | | 0.0413 | 0.0413 | 1.1000e-004 | | 0.0441 |
| Energy | 0.0158 | 0.1436 | 0.1207 | 8.6000e-004 | | 0.0109 | 0.0109 | | 0.0109 | 0.0109 | | 172.3588 | 172.3588 | 3.3000e-003 | 3.1600e-003 | 173.3831 |
| Mobile | 0.5967 | 2.2157 | 6.7405 | 0.0142 | 1.2371 | 0.0203 | 1.2574 | 0.3319 | 0.0192 | 0.3511 | | 1,429.9199 | 1,429.9199 | 0.0796 | | 1,431.9105 |
| Total | 4.4131 | 2.3595 | 6.8806 | 0.0150 | 1.2371 | 0.0313 | 1.2684 | 0.3319 | 0.0302 | 0.3621 | | 1,602.3200 | 1,602.3200 | 0.0830 | 3.1600e-003 | 1,605.3377 |

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 | 3.8006 | 1.8000e-004 | 0.0194 | 0.0000 | | 7.0000e-005 | 7.0000e-005 | | 7.0000e-005 | 7.0000e-005 | | 0.0413 | 0.0413 | 1.1000e-004 | | 0.0441 |
| Energy | 0.0158 | 0.1436 | 0.1207 | 8.6000e-004 | | 0.0109 | 0.0109 | | 0.0109 | 0.0109 | | 172.3588 | 172.3588 | 3.3000e-003 | 3.1600e-003 | 173.3831 |
| Mobile | 0.5967 | 2.2157 | 6.7405 | 0.0142 | 1.2371 | 0.0203 | 1.2574 | 0.3319 | 0.0192 | 0.3511 | | 1,429.9199 | 1,429.9199 | 0.0796 | | 1,431.9105 |
| Total | 4.4131 | 2.3595 | 6.8806 | 0.0150 | 1.2371 | 0.0313 | 1.2684 | 0.3319 | 0.0302 | 0.3621 | | 1,602.3200 | 1,602.3200 | 0.0830 | 3.1600e-003 | 1,605.3377 |

Kellogg Storage - Santa Barbara-South of Santa Ynez Range County, Winter

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------|------|------|------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|------|------|------|
| 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 | 1/2/2017 | 1/27/2017 | 5 | 20 | |
| 2 | Grading | Grading | 1/28/2017 | 4/19/2017 | 5 | 58 | |
| 3 | Building Construction | Building Construction | 4/20/2017 | 3/14/2018 | 5 | 235 | |
| 4 | Paving | Paving | 11/12/2017 | 11/24/2017 | 5 | 10 | |
| 5 | Architectural Coating | Architectural Coating | 12/26/2017 | 2/7/2018 | 5 | 32 | |

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 21.75

Acres of Paving: 0.96

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 204,101; Non-Residential Outdoor: 68,034; Striped Parking Area: 2,534 (Architectural Coating – sqft)

OffRoad Equipment

Kellogg Storage - Santa Barbara-South of Santa Ynez Range County, Winter

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Demolition | Concrete/Industrial Saws | 1 | 8.00 | 81 | 0.73 |
| Demolition | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Demolition | Tractors/Loaders/Backhoes | 3 | 8.00 | 97 | 0.37 |
| Grading | Graders | 1 | 6.00 | 187 | 0.41 |
| Grading | Rubber Tired Dozers | 1 | 6.00 | 247 | 0.40 |
| Grading | Tractors/Loaders/Backhoes | 1 | 7.00 | 97 | 0.37 |
| Building Construction | Cranes | 1 | 4.00 | 231 | 0.29 |
| Building Construction | Forklifts | 2 | 6.00 | 89 | 0.20 |
| Building Construction | Generator Sets | 0 | 8.00 | 84 | 0.74 |
| Building Construction | Tractors/Loaders/Backhoes | 1 | 8.00 | 97 | 0.37 |
| Building Construction | Welders | 0 | 8.00 | 46 | 0.45 |
| Paving | Cement and Mortar Mixers | 4 | 6.00 | 9 | 0.56 |
| Paving | Pavers | 1 | 7.00 | 130 | 0.42 |
| Paving | Paving Equipment | 0 | 8.00 | 132 | 0.36 |
| Paving | Rollers | 1 | 7.00 | 80 | 0.38 |
| Paving | Tractors/Loaders/Backhoes | 1 | 7.00 | 97 | 0.37 |
| 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 |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Demolition | 5 | 14.00 | 0.00 | 32.00 | 8.30 | 6.40 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 3 | 10.00 | 0.00 | 1,770.00 | 8.30 | 6.40 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 4 | 76.00 | 68.00 | 0.00 | 8.30 | 6.40 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 7 | 18.00 | 0.00 | 0.00 | 8.30 | 6.40 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 0 | 16.00 | 0.00 | 0.00 | 8.30 | 6.40 | 20.00 | LD_Mix | HDT_Mix | HHDT |

Kellogg Storage - Santa Barbara-South of Santa Ynez Range County, Winter

3.1 Mitigation Measures Construction

3.2 Demolition - 2017

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 | | | | | 0.3512 | 0.0000 | 0.3512 | 0.0532 | 0.0000 | 0.0532 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.7625 | 26.7594 | 15.5573 | 0.0241 | | 1.6477 | 1.6477 | | 1.5404 | 1.5404 | | 2,421.4229 | 2,421.4229 | 0.6125 | | 2,436.7347 |
| Total | 2.7625 | 26.7594 | 15.5573 | 0.0241 | 0.3512 | 1.6477 | 1.9988 | 0.0532 | 1.5404 | 1.5935 | | 2,421.4229 | 2,421.4229 | 0.6125 | | 2,436.7347 |

Kellogg Storage - Santa Barbara-South of Santa Ynez Range County, Winter

3.2 Demolition - 2017

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 | 0.0217 | 0.6135 | 0.1886 | 1.2900e-003 | 0.0278 | 5.4500e-003 | 0.0333 | 7.6100e-003 | 5.2100e-003 | 0.0128 | | 141.5525 | 141.5525 | 0.0116 | | 141.8432 |
| 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 | 0.0682 | 0.0580 | 0.5067 | 8.6000e-004 | 0.0884 | 6.3000e-004 | 0.0891 | 0.0235 | 5.9000e-004 | 0.0240 | | 84.9112 | 84.9112 | 4.1200e-003 | | 85.0143 |
| Total | 0.0898 | 0.6715 | 0.6953 | 2.1500e-003 | 0.1162 | 6.0800e-003 | 0.1223 | 0.0311 | 5.8000e-003 | 0.0369 | | 226.4636 | 226.4636 | 0.0158 | | 226.8575 |

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 | | | | | 0.3512 | 0.0000 | 0.3512 | 0.0532 | 0.0000 | 0.0532 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.7625 | 26.7594 | 15.5573 | 0.0241 | | 1.6477 | 1.6477 | | 1.5404 | 1.5404 | 0.0000 | 2,421.4229 | 2,421.4229 | 0.6125 | | 2,436.7347 |
| Total | 2.7625 | 26.7594 | 15.5573 | 0.0241 | 0.3512 | 1.6477 | 1.9988 | 0.0532 | 1.5404 | 1.5935 | 0.0000 | 2,421.4229 | 2,421.4229 | 0.6125 | | 2,436.7347 |

Kellogg Storage - Santa Barbara-South of Santa Ynez Range County, Winter

3.2 Demolition - 2017

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 | 0.0217 | 0.6135 | 0.1886 | 1.2900e-003 | 0.0278 | 5.4500e-003 | 0.0333 | 7.6100e-003 | 5.2100e-003 | 0.0128 | | 141.5525 | 141.5525 | 0.0116 | | 141.8432 |
| 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 | 0.0682 | 0.0580 | 0.5067 | 8.6000e-004 | 0.0884 | 6.3000e-004 | 0.0891 | 0.0235 | 5.9000e-004 | 0.0240 | | 84.9112 | 84.9112 | 4.1200e-003 | | 85.0143 |
| Total | 0.0898 | 0.6715 | 0.6953 | 2.1500e-003 | 0.1162 | 6.0800e-003 | 0.1223 | 0.0311 | 5.8000e-003 | 0.0369 | | 226.4636 | 226.4636 | 0.0158 | | 226.8575 |

3.3 Grading - 2017

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 | | | | | 4.9480 | 0.0000 | 4.9480 | 2.5307 | 0.0000 | 2.5307 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.6023 | 18.2915 | 7.0342 | 0.0141 | | 0.8738 | 0.8738 | | 0.8039 | 0.8039 | | 1,444.8958 | 1,444.8958 | 0.4427 | | 1,455.9636 |
| Total | 1.6023 | 18.2915 | 7.0342 | 0.0141 | 4.9480 | 0.8738 | 5.8218 | 2.5307 | 0.8039 | 3.3346 | | 1,444.8958 | 1,444.8958 | 0.4427 | | 1,455.9636 |

Kellogg Storage - Santa Barbara-South of Santa Ynez Range County, Winter

3.3 Grading - 2017

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 | 0.4136 | 11.7016 | 3.5974 | 0.0246 | 0.5303 | 0.1039 | 0.6343 | 0.1451 | 0.0994 | 0.2445 | | 2,699.8688 | 2,699.8688 | 0.2218 | | 2,705.4142 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0487 | 0.0414 | 0.3619 | 6.1000e-004 | 0.0632 | 4.5000e-004 | 0.0636 | 0.0168 | 4.2000e-004 | 0.0172 | | 60.6509 | 60.6509 | 2.9400e-003 | | 60.7245 |
| Total | 0.4623 | 11.7431 | 3.9593 | 0.0252 | 0.5935 | 0.1044 | 0.6979 | 0.1619 | 0.0999 | 0.2617 | | 2,760.5197 | 2,760.5197 | 0.2248 | | 2,766.1387 |

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 | | | | | 4.9480 | 0.0000 | 4.9480 | 2.5307 | 0.0000 | 2.5307 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.6023 | 18.2915 | 7.0342 | 0.0141 | | 0.8738 | 0.8738 | | 0.8039 | 0.8039 | 0.0000 | 1,444.8958 | 1,444.8958 | 0.4427 | | 1,455.9636 |
| Total | 1.6023 | 18.2915 | 7.0342 | 0.0141 | 4.9480 | 0.8738 | 5.8218 | 2.5307 | 0.8039 | 3.3346 | 0.0000 | 1,444.8958 | 1,444.8958 | 0.4427 | | 1,455.9636 |

Kellogg Storage - Santa Barbara-South of Santa Ynez Range County, Winter

3.3 Grading - 2017

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 | 0.4136 | 11.7016 | 3.5974 | 0.0246 | 0.5303 | 0.1039 | 0.6343 | 0.1451 | 0.0994 | 0.2445 | | 2,699.8688 | 2,699.8688 | 0.2218 | | 2,705.4142 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0487 | 0.0414 | 0.3619 | 6.1000e-004 | 0.0632 | 4.5000e-004 | 0.0636 | 0.0168 | 4.2000e-004 | 0.0172 | | 60.6509 | 60.6509 | 2.9400e-003 | | 60.7245 |
| Total | 0.4623 | 11.7431 | 3.9593 | 0.0252 | 0.5935 | 0.1044 | 0.6979 | 0.1619 | 0.0999 | 0.2617 | | 2,760.5197 | 2,760.5197 | 0.2248 | | 2,766.1387 |

3.4 Building Construction - 2017

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 | 0.9644 | 9.7151 | 5.6762 | 8.2800e-003 | | 0.6302 | 0.6302 | | 0.5798 | 0.5798 | | 847.6515 | 847.6515 | 0.2597 | | 854.1444 |
| Total | 0.9644 | 9.7151 | 5.6762 | 8.2800e-003 | | 0.6302 | 0.6302 | | 0.5798 | 0.5798 | | 847.6515 | 847.6515 | 0.2597 | | 854.1444 |

Kellogg Storage - Santa Barbara-South of Santa Ynez Range County, Winter

3.4 Building Construction - 2017

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 | 0.4659 | 9.1776 | 3.9356 | 0.0163 | 0.4027 | 0.1004 | 0.5032 | 0.1159 | 0.0961 | 0.2120 | | 1,752.9004 | 1,752.9004 | 0.1402 | | 1,756.4051 |
| Worker | 0.3700 | 0.3149 | 2.7504 | 4.6500e-003 | 0.4800 | 3.4400e-003 | 0.4834 | 0.1273 | 3.1800e-003 | 0.1305 | | 460.9465 | 460.9465 | 0.0224 | | 461.5060 |
| Total | 0.8359 | 9.4925 | 6.6860 | 0.0210 | 0.8827 | 0.1039 | 0.9866 | 0.2432 | 0.0992 | 0.3425 | | 2,213.8469 | 2,213.8469 | 0.1626 | | 2,217.9111 |

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 | 0.9644 | 9.7151 | 5.6762 | 8.2800e-003 | | 0.6302 | 0.6302 | | 0.5798 | 0.5798 | 0.0000 | 847.6515 | 847.6515 | 0.2597 | | 854.1444 |
| Total | 0.9644 | 9.7151 | 5.6762 | 8.2800e-003 | | 0.6302 | 0.6302 | | 0.5798 | 0.5798 | 0.0000 | 847.6515 | 847.6515 | 0.2597 | | 854.1444 |

Kellogg Storage - Santa Barbara-South of Santa Ynez Range County, Winter

3.4 Building Construction - 2017

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 | 0.4659 | 9.1776 | 3.9356 | 0.0163 | 0.4027 | 0.1004 | 0.5032 | 0.1159 | 0.0961 | 0.2120 | | 1,752.9004 | 1,752.9004 | 0.1402 | | 1,756.4051 |
| Worker | 0.3700 | 0.3149 | 2.7504 | 4.6500e-003 | 0.4800 | 3.4400e-003 | 0.4834 | 0.1273 | 3.1800e-003 | 0.1305 | | 460.9465 | 460.9465 | 0.0224 | | 461.5060 |
| Total | 0.8359 | 9.4925 | 6.6860 | 0.0210 | 0.8827 | 0.1039 | 0.9866 | 0.2432 | 0.0992 | 0.3425 | | 2,213.8469 | 2,213.8469 | 0.1626 | | 2,217.9111 |

3.4 Building Construction - 2018

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 | 0.8187 | 8.4019 | 5.4145 | 8.2800e-003 | | 0.5224 | 0.5224 | | 0.4806 | 0.4806 | | 833.7563 | 833.7563 | 0.2596 | | 840.2453 |
| Total | 0.8187 | 8.4019 | 5.4145 | 8.2800e-003 | | 0.5224 | 0.5224 | | 0.4806 | 0.4806 | | 833.7563 | 833.7563 | 0.2596 | | 840.2453 |

Kellogg Storage - Santa Barbara-South of Santa Ynez Range County, Winter

3.4 Building Construction - 2018

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 | 0.4016 | 8.6204 | 3.4795 | 0.0162 | 0.4027 | 0.0804 | 0.4831 | 0.1159 | 0.0769 | 0.1928 | | 1,746.1785 | 1,746.1785 | 0.1386 | | 1,749.6423 |
| Worker | 0.3269 | 0.2736 | 2.3847 | 4.5200e-003 | 0.4800 | 3.2700e-003 | 0.4833 | 0.1273 | 3.0200e-003 | 0.1304 | | 448.5348 | 448.5348 | 0.0194 | | 449.0191 |
| Total | 0.7286 | 8.8940 | 5.8642 | 0.0207 | 0.8827 | 0.0837 | 0.9664 | 0.2432 | 0.0799 | 0.3231 | | 2,194.7133 | 2,194.7133 | 0.1579 | | 2,198.6614 |

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 | 0.8187 | 8.4019 | 5.4145 | 8.2800e-003 | | 0.5224 | 0.5224 | | 0.4806 | 0.4806 | 0.0000 | 833.7563 | 833.7563 | 0.2596 | | 840.2453 |
| Total | 0.8187 | 8.4019 | 5.4145 | 8.2800e-003 | | 0.5224 | 0.5224 | | 0.4806 | 0.4806 | 0.0000 | 833.7563 | 833.7563 | 0.2596 | | 840.2453 |

Kellogg Storage - Santa Barbara-South of Santa Ynez Range County, Winter

3.4 Building Construction - 2018

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 | 0.4016 | 8.6204 | 3.4795 | 0.0162 | 0.4027 | 0.0804 | 0.4831 | 0.1159 | 0.0769 | 0.1928 | | 1,746.1785 | 1,746.1785 | 0.1386 | | 1,749.6423 |
| Worker | 0.3269 | 0.2736 | 2.3847 | 4.5200e-003 | 0.4800 | 3.2700e-003 | 0.4833 | 0.1273 | 3.0200e-003 | 0.1304 | | 448.5348 | 448.5348 | 0.0194 | | 449.0191 |
| Total | 0.7286 | 8.8940 | 5.8642 | 0.0207 | 0.8827 | 0.0837 | 0.9664 | 0.2432 | 0.0799 | 0.3231 | | 2,194.7133 | 2,194.7133 | 0.1579 | | 2,198.6614 |

3.5 Paving - 2017

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 | 1.0532 | 9.9754 | 7.3425 | 0.0113 | | 0.6087 | 0.6087 | | 0.5636 | 0.5636 | | 1,085.1071 | 1,085.1071 | 0.3018 | | 1,092.6515 |
| Paving | 0.2515 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 1.3047 | 9.9754 | 7.3425 | 0.0113 | | 0.6087 | 0.6087 | | 0.5636 | 0.5636 | | 1,085.1071 | 1,085.1071 | 0.3018 | | 1,092.6515 |

Kellogg Storage - Santa Barbara-South of Santa Ynez Range County, Winter

3.5 Paving - 2017

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 | 0.0876 | 0.0746 | 0.6514 | 1.1000e-003 | 0.1137 | 8.2000e-004 | 0.1145 | 0.0302 | 7.5000e-004 | 0.0309 | | 109.1715 | 109.1715 | 5.3000e-003 | | 109.3040 |
| Total | 0.0876 | 0.0746 | 0.6514 | 1.1000e-003 | 0.1137 | 8.2000e-004 | 0.1145 | 0.0302 | 7.5000e-004 | 0.0309 | | 109.1715 | 109.1715 | 5.3000e-003 | | 109.3040 |

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 | 1.0532 | 9.9754 | 7.3425 | 0.0113 | | 0.6087 | 0.6087 | | 0.5636 | 0.5636 | 0.0000 | 1,085.1071 | 1,085.1071 | 0.3018 | | 1,092.6515 |
| Paving | 0.2515 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 1.3047 | 9.9754 | 7.3425 | 0.0113 | | 0.6087 | 0.6087 | | 0.5636 | 0.5636 | 0.0000 | 1,085.1071 | 1,085.1071 | 0.3018 | | 1,092.6515 |

Kellogg Storage - Santa Barbara-South of Santa Ynez Range County, Winter

3.5 Paving - 2017

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 | 0.0876 | 0.0746 | 0.6514 | 1.1000e-003 | 0.1137 | 8.2000e-004 | 0.1145 | 0.0302 | 7.5000e-004 | 0.0309 | | 109.1715 | 109.1715 | 5.3000e-003 | | 109.3040 |
| Total | 0.0876 | 0.0746 | 0.6514 | 1.1000e-003 | 0.1137 | 8.2000e-004 | 0.1145 | 0.0302 | 7.5000e-004 | 0.0309 | | 109.1715 | 109.1715 | 5.3000e-003 | | 109.3040 |

3.6 Architectural Coating - 2017

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 | 99.4602 | | | | | 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 |
| Total | 99.4602 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |

Kellogg Storage - Santa Barbara-South of Santa Ynez Range County, Winter

3.6 Architectural Coating - 2017

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 | 0.0779 | 0.0663 | 0.5790 | 9.8000e-004 | 0.1011 | 7.2000e-004 | 0.1018 | 0.0268 | 6.7000e-004 | 0.0275 | | 97.0414 | 97.0414 | 4.7100e-003 | | 97.1592 |
| Total | 0.0779 | 0.0663 | 0.5790 | 9.8000e-004 | 0.1011 | 7.2000e-004 | 0.1018 | 0.0268 | 6.7000e-004 | 0.0275 | | 97.0414 | 97.0414 | 4.7100e-003 | | 97.1592 |

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 | 99.4602 | | | | | 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 |
| Total | 99.4602 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |

Kellogg Storage - Santa Barbara-South of Santa Ynez Range County, Winter

3.6 Architectural Coating - 2017

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 | 0.0779 | 0.0663 | 0.5790 | 9.8000e-004 | 0.1011 | 7.2000e-004 | 0.1018 | 0.0268 | 6.7000e-004 | 0.0275 | | 97.0414 | 97.0414 | 4.7100e-003 | | 97.1592 |
| Total | 0.0779 | 0.0663 | 0.5790 | 9.8000e-004 | 0.1011 | 7.2000e-004 | 0.1018 | 0.0268 | 6.7000e-004 | 0.0275 | | 97.0414 | 97.0414 | 4.7100e-003 | | 97.1592 |

3.6 Architectural Coating - 2018

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 | 99.4602 | | | | | 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 |
| Total | 99.4602 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |

Kellogg Storage - Santa Barbara-South of Santa Ynez Range County, Winter

3.6 Architectural Coating - 2018

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 | 0.0688 | 0.0576 | 0.5020 | 9.5000e-004 | 0.1011 | 6.9000e-004 | 0.1017 | 0.0268 | 6.4000e-004 | 0.0274 | | 94.4284 | 94.4284 | 4.0800e-003 | | 94.5303 |
| Total | 0.0688 | 0.0576 | 0.5020 | 9.5000e-004 | 0.1011 | 6.9000e-004 | 0.1017 | 0.0268 | 6.4000e-004 | 0.0274 | | 94.4284 | 94.4284 | 4.0800e-003 | | 94.5303 |

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 | 99.4602 | | | | | 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 |
| Total | 99.4602 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |

Kellogg Storage - Santa Barbara-South of Santa Ynez Range County, Winter

3.6 Architectural Coating - 2018

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 | 0.0688 | 0.0576 | 0.5020 | 9.5000e-004 | 0.1011 | 6.9000e-004 | 0.1017 | 0.0268 | 6.4000e-004 | 0.0274 | | 94.4284 | 94.4284 | 4.0800e-003 | | 94.5303 |
| Total | 0.0688 | 0.0576 | 0.5020 | 9.5000e-004 | 0.1011 | 6.9000e-004 | 0.1017 | 0.0268 | 6.4000e-004 | 0.0274 | | 94.4284 | 94.4284 | 4.0800e-003 | | 94.5303 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Kellogg Storage - Santa Barbara-South of Santa Ynez Range County, Winter

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|--------|--------|--------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|------------|------------|--------|-----|------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 0.5967 | 2.2157 | 6.7405 | 0.0142 | 1.2371 | 0.0203 | 1.2574 | 0.3319 | 0.0192 | 0.3511 | | 1,429.9199 | 1,429.9199 | 0.0796 | | 1,431.9105 |
| Unmitigated | 0.5967 | 2.2157 | 6.7405 | 0.0142 | 1.2371 | 0.0203 | 1.2574 | 0.3319 | 0.0192 | 0.3511 | | 1,429.9199 | 1,429.9199 | 0.0796 | | 1,431.9105 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|----------------------------------|-------------------------|----------|--------|-------------|------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | | |
| Parking Lot | 0.00 | 0.00 | 0.00 | | |
| Unrefrigerated Warehouse-No Rail | 262.00 | 262.00 | 262.00 | 579,936 | 579,936 |
| Total | 262.00 | 262.00 | 262.00 | 579,936 | 579,936 |

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 |
| Other Asphalt Surfaces | 6.60 | 5.50 | 6.40 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Parking Lot | 6.60 | 5.50 | 6.40 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Unrefrigerated Warehouse-No | 6.60 | 5.50 | 6.40 | 59.00 | 0.00 | 41.00 | 92 | 5 | 3 |

4.4 Fleet Mix

Kellogg Storage - Santa Barbara-South of Santa Ynez Range County, Winter

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Other Asphalt Surfaces | 0.546962 | 0.032250 | 0.203301 | 0.133652 | 0.025574 | 0.006384 | 0.017070 | 0.018005 | 0.002749 | 0.002622 | 0.007451 | 0.002735 | 0.001244 |
| Parking Lot | 0.546962 | 0.032250 | 0.203301 | 0.133652 | 0.025574 | 0.006384 | 0.017070 | 0.018005 | 0.002749 | 0.002622 | 0.007451 | 0.002735 | 0.001244 |
| Unrefrigerated Warehouse-No Rail | 0.546962 | 0.032250 | 0.203301 | 0.133652 | 0.025574 | 0.006384 | 0.017070 | 0.018005 | 0.002749 | 0.002622 | 0.007451 | 0.002735 | 0.001244 |

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 | 0.0158 | 0.1436 | 0.1207 | 8.6000e-004 | | 0.0109 | 0.0109 | | 0.0109 | 0.0109 | | 172.3588 | 172.3588 | 3.3000e-003 | 3.1600e-003 | 173.3831 |
| NaturalGas Unmitigated | 0.0158 | 0.1436 | 0.1207 | 8.6000e-004 | | 0.0109 | 0.0109 | | 0.0109 | 0.0109 | | 172.3588 | 172.3588 | 3.3000e-003 | 3.1600e-003 | 173.3831 |

Kellogg Storage - Santa Barbara-South of Santa Ynez Range County, 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 | | | | | |
| 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 |
| Unrefrigerated Warehouse-No Rail | 1465.05 | 0.0158 | 0.1436 | 0.1207 | 8.6000e-004 | | 0.0109 | 0.0109 | | 0.0109 | 0.0109 | | 172.3588 | 172.3588 | 3.3000e-003 | 3.1600e-003 | 173.3831 |
| Total | | 0.0158 | 0.1436 | 0.1207 | 8.6000e-004 | | 0.0109 | 0.0109 | | 0.0109 | 0.0109 | | 172.3588 | 172.3588 | 3.3000e-003 | 3.1600e-003 | 173.3831 |

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 | | | | | |
| 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 |
| Unrefrigerated Warehouse-No Rail | 1.46505 | 0.0158 | 0.1436 | 0.1207 | 8.6000e-004 | | 0.0109 | 0.0109 | | 0.0109 | 0.0109 | | 172.3588 | 172.3588 | 3.3000e-003 | 3.1600e-003 | 173.3831 |
| Total | | 0.0158 | 0.1436 | 0.1207 | 8.6000e-004 | | 0.0109 | 0.0109 | | 0.0109 | 0.0109 | | 172.3588 | 172.3588 | 3.3000e-003 | 3.1600e-003 | 173.3831 |

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6.0 Area Detail

6.1 Mitigation Measures Area

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|--------|-------------|--------|--------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-----|--------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 3.8006 | 1.8000e-004 | 0.0194 | 0.0000 | | 7.0000e-005 | 7.0000e-005 | | 7.0000e-005 | 7.0000e-005 | | 0.0413 | 0.0413 | 1.1000e-004 | | 0.0441 |
| Unmitigated | 3.8006 | 1.8000e-004 | 0.0194 | 0.0000 | | 7.0000e-005 | 7.0000e-005 | | 7.0000e-005 | 7.0000e-005 | | 0.0413 | 0.0413 | 1.1000e-004 | | 0.0441 |

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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 | 0.8720 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 2.9268 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 1.8400e-003 | 1.8000e-004 | 0.0194 | 0.0000 | | 7.0000e-005 | 7.0000e-005 | | 7.0000e-005 | 7.0000e-005 | | 0.0413 | 0.0413 | 1.1000e-004 | | 0.0441 |
| Total | 3.8006 | 1.8000e-004 | 0.0194 | 0.0000 | | 7.0000e-005 | 7.0000e-005 | | 7.0000e-005 | 7.0000e-005 | | 0.0413 | 0.0413 | 1.1000e-004 | | 0.0441 |

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 | 0.8720 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 2.9268 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 1.8400e-003 | 1.8000e-004 | 0.0194 | 0.0000 | | 7.0000e-005 | 7.0000e-005 | | 7.0000e-005 | 7.0000e-005 | | 0.0413 | 0.0413 | 1.1000e-004 | | 0.0441 |
| Total | 3.8006 | 1.8000e-004 | 0.0194 | 0.0000 | | 7.0000e-005 | 7.0000e-005 | | 7.0000e-005 | 7.0000e-005 | | 0.0413 | 0.0413 | 1.1000e-004 | | 0.0441 |

7.0 Water Detail

Kellogg Storage - Santa Barbara-South of Santa Ynez Range County, 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 |
|----------------|--------|-----------|-----------|-------------|-------------|-----------|
|----------------|--------|-----------|-----------|-------------|-------------|-----------|

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

| Equipment Type | Number |
|----------------|--------|
|----------------|--------|

11.0 Vegetation
