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**APPENDIX B**

**AIR QUALITY AND GREENHOUSE GAS STUDY**

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## **1.0 PROJECT LOCATION AND DESCRIPTION**

Air quality and greenhouse gas (GHG) emissions impacts were evaluated in support of an Addendum to the Certified Southwest Industrial Park (SWIP) Specific Plan Program Environmental Impact Report (PEIR) prepared under the California Environmental Quality Act (CEQA). The addendum covers a specific project under the SWIP: a proposed warehouse facility at 15950 Boyle Avenue, in Fontana, California. It is in a predominantly industrial area, with residential neighborhoods on the east and south.

The proposed project consists of the development of a 126,655-square-foot warehouse/manufacturing facility, located on a 5.54-acre parcel. The proposed warehouse building would include 3,000 square feet of built-out office improvements on the ground floor and a 3,000-square-foot mezzanine floor for additional office space.

## **2.0 NEED AND METHODOLOGY**

Under the California Environmental Quality Act and its guidelines, impacts on air quality and impacts of GHG emissions must be addressed for discretionary projects, unless specifically exempted. Any warehouse project has the potential for both short- and long-term air quality and GHG emissions impacts.

### **2.1 Air Quality Methods**

UltraSystems reviewed federal, State of California and South Coast Air Management District (SCAQMD) laws, regulations and standards for their applicability to the proposed project. The South Coast Air Basin, in which Fontana is located, is currently in nonattainment of federal standards for ambient concentrations of the criteria pollutants ozone (O<sub>3</sub>) and fine particulate matter (PM<sub>2.5</sub>) and of state standards for O<sub>3</sub>, PM<sub>2.5</sub>, and respirable particulate matter (PM<sub>10</sub>). Recent data demonstrating nonattainment are summarized in the Addendum. The SCAQMD, in concert with the Southern California Association of Governments (SCAG) has developed an air quality management plan (AQMP) to reduce criteria pollutant emissions enough to reach attainment with ambient air quality standards. It has also published CEQA-related significance thresholds for criteria pollutant emissions.

#### **2.1.1 Short-term (Construction) Impacts**

For the purpose of this analysis, it was estimated that the construction of the proposed project would begin in January 2020 and end in November 2020. The types and numbers of pieces of equipment anticipated in each phase of construction and development were estimated using the California Emissions Estimator Model (CalEEMod), Version 2016.3.2. The CalEEMod equipment mix is based on a construction survey performed by the South Coast Air Quality Management District. CalEEMod was used to estimate the maximum daily emissions of each criteria pollutant,

The SCAQMD has also developed a screening method for “localized significance analysis” of nitrogen dioxide (NO<sub>2</sub>), carbon monoxide (CO), PM<sub>10</sub> and PM<sub>2.5</sub>, which compares onsite construction emissions with thresholds based on geographical location and project area (in acres). If onsite emissions of nitrogen oxides (NO<sub>x</sub>), CO, PM<sub>10</sub>, or PM<sub>2.5</sub> exceed their published thresholds, then they are considered to be significant under CEQA. The method is conservative, in that in some cases a more detailed analysis, such as dispersion modeling, predicts lower exposures.

### **2.1.2 Long-term (Operational) Impacts**

The main sources of long-term air quality impacts are onroad motor vehicles, including trucks in freight service. For air quality analysis purposes, the traffic generated by the project was estimated by a combination of the results of the trip generation analysis for the project (**Appendix K**) and algorithms built into CalEEMod. CalEEMod was used to estimate maximum daily regional emissions of all criteria pollutants; these were then compared with the aforementioned SCAQMD CEQA thresholds.

Carbon monoxide exposures due to increases in traffic can be locally significant. Because CO concentrations are so low that they are no longer even monitored, and project emissions are also small, localized impacts of CO were evaluated qualitatively.

A large percentage of the traffic generated by the project will comprise diesel trucks. Diesel trucks emit diesel particulate matter (DPM), a mixture of various compounds that, in the aggregate, is a known and potent human carcinogen. UltraSystems prepared a formal health risk assessment, based on use of the U.S. Environmental Protection Agency's AERMOD dispersion model, to estimate incremental cancer risk in the neighborhoods surrounding the project site.

## **2.2 Greenhouse Gas Emissions Methods**

Temporary construction and long-term operational GHG emissions from the project's onsite and offsite project activities were calculated using the aforementioned CalEEMod software. Operational emissions consider area emissions, such as space heating, from energy use associated with land uses, and from the vehicle trips associated with the land uses. To assess the overall lifetime project GHG emissions, the SCAQMD developed an Interim Guidance that recommends that construction emissions should be amortized over the life of the project, defined in the guidance as 30 years. Annualized GHG emissions are then added to the operational emissions and the sum is compared to the applicable interim GHG significance threshold.

CEQA Guidelines require a determination of whether the project would interfere with various plans, policies, and regulations aimed at reducing GHG emissions. This evaluation was "tiered" from the one in the SWIP PEIR.

## **3.0 PROJECT IMPACTS**

### **3.1 Air Quality**

#### **3.1.1 Regional Criteria Pollutant Emissions**

The CalEEMod analysis determined that emissions of all the criteria pollutants during both construction and operation of the project would be below their respective SCAQMD thresholds. However, the proposed project would not change the SWIP PEIR determination that the impact would remain significant and unavoidable.

### 3.1.2 Localized Significance Analysis

The residences adjacent to the east and west of the project site and to the south, across Boyle Avenue, are the nearest sensitive receptors (about 25 meters from the project border). Localized significance thresholds for projects in Source Receptor Area 34 were obtained from tables in Appendix C of the SCAQMD's Final Localized Significance Threshold Methodology. Comparison of these thresholds with onsite construction emissions showed that localized short-term air quality impacts from construction of the proposed project would be less than significant.

### 3.1.3 Health Risk Assessment

A detailed description of the methods and results of the health risk assessment (HRA) for this project is provided in **Appendix G**. The maximum individual cancer risk for an offsite sensitive receptor was estimated to be 0.63 in one million, in the residential neighborhood to the south and across Boyle Avenue from the project. This is lower than the SCAQMD's significance threshold of 10 in one million. The cancer risk from diesel truck traffic generated by the project is therefore less than significant.

## 3.2 Greenhouse Gas Emissions

### 3.2.1 Emission Estimates

CalEEMod estimated construction GHG emissions to be 339.8 metric tons (MT) of CO<sub>2</sub>e. The 30-year annualized value is 11.33 MT per year. CalEEMod estimate annual operating GHG emissions to be 973.7 MT per year. Mobile sources account for about 66% of these emissions.

With the addition of the amortized construction emissions, the total project GHG emissions would be 985.1 MT per year, less than the SCAQMD's recommended significance threshold of 3,000 MT of CO<sub>2</sub>e per year. Therefore, GHG emissions would be less than significant, and no mitigation is necessary.

### 3.2.2 Consistency with GHG Reduction Plans

The SWIP PEIR concluded that the proposed Specific Plan Update would not conflict with an applicable greenhouse gas reduction plan, policy, or regulation leading to the determination that the impact would be less than significant with mitigation incorporated. The impact determination was made assuming full buildout in the specific plan area.

As was noted in Section 4.8.5 of the Addendum, the City, through its partnership in the San Bernardino County Regional Greenhouse Gas Reduction Plan, identified measures that it could take to reduce GHG emissions from City operations and from development in its jurisdiction. However, the City has not yet completed and formally adopted a climate action plan based on those and/or other measures.

Another approach to identifying potential conflict with GHG reduction plans, policies, or regulations is to examine General Plan provisions that prescribe or enable GHG emissions control. The EIR for the General Plan Update lists policies in the General Plan Update that reduce GHG emissions and help to quantify emissions reductions. Even though the policies prescribe actions to be taken by the City, and not measures to be implemented by a project proponent, the proposed project would not conflict with any of the GHG emission reduction policies. Furthermore, the EIR determined that implementation of the updated general plan will result in significantly lower GHG emissions from

Fontana than would continuation of the 2003 General Plan. As was demonstrated in the Addendum, the proposed project would have less than significant impacts in relation to consistency with local land use plans, policies, or regulations. Therefore, the project would not hinder the GHG emission reductions of the General Plan Update.

Finally, as noted in Section 3.3.1 of the Addendum, buildings will be designed to comply with the provisions of the California Green Building Code, Title 24, Part 11 of the California Code of Regulations. As noted in Section 3.3.4, the proposed project would comply with the requirements of Fontana Municipal Code §§ 30-260, 30-265, and 30-266 with wall-mounted light-emitting diode (LED) lighting fixtures on the northern, eastern and western sides of the building and five pole-mounted LED lighting fixtures are proposed along the northern property line, in the truck yard area. Additionally, as noted in Section 3.3.5 of the Addendum, new landscaping would include drought-resistant species including trees, tall shrubs, low shrubs and groundcovers. These project features will assist the City in meeting its GHG emission reduction targets.

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**ATTACHMENT**  
**CALEEMOD OUTPUT DATA**

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Boyle Warehousing - San Bernardino-South Coast County, Summer

**Boyle Warehousing**  
**San Bernardino-South Coast County, Summer**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	126.35	1000sqft	2.90	126,350.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	32
<b>Climate Zone</b>	10			<b>Operational Year</b>	2021
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	702.44	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

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

Boyle Warehousing - San Bernardino-South Coast County, Summer

Project Characteristics -

Land Use -

Construction Phase - General construction schedule provided by client

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Demolition -

Grading - Site is 5.16 net acres

Architectural Coating - Using flat or non-flat paint VOC limits as listed in SCAQMD Rule 1113 Table of Standards

Vehicle Trips - Recommended average trip rates as proposed in the SCAQMD Warehouse Truck Study for cold storage facilities

Area Coating - Using flat & non-flat VOC limits from SCAQMD Rule 1113 Table of Standards

Fleet Mix - Adjusted to reflect CalEEMod Ver 2013.2 Appendix E Analysis of Warehouse TRip Generation Rates by SCAQMD



## Boyle Warehousing - San Bernardino-South Coast County, Summer

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Parking	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblAreaCoating	Area_EF_Parking	100	50
tblConstructionPhase	NumDays	220.00	200.00
tblConstructionPhase	NumDays	6.00	18.00
tblConstructionPhase	PhaseEndDate	1/6/2021	11/27/2020
tblConstructionPhase	PhaseEndDate	12/9/2020	10/30/2020
tblConstructionPhase	PhaseEndDate	2/5/2020	1/24/2020
tblConstructionPhase	PhaseEndDate	12/23/2020	11/13/2020
tblConstructionPhase	PhaseStartDate	12/24/2020	11/14/2020
tblConstructionPhase	PhaseStartDate	2/6/2020	1/25/2020
tblConstructionPhase	PhaseStartDate	1/29/2020	1/1/2020
tblConstructionPhase	PhaseStartDate	12/10/2020	11/1/2020
tblGrading	AcresOfGrading	9.00	3.00
tblVehicleTrips	ST_TR	1.68	2.59
tblVehicleTrips	SU_TR	1.68	2.59
tblVehicleTrips	WD_TR	1.68	2.59

## 2.0 Emissions Summary

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Boyle Warehousing - San Bernardino-South Coast 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	2.6634	1.2000e-004	0.0130	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0277	0.0277	7.0000e-005		0.0295
Energy	7.5800e-003	0.0689	0.0579	4.1000e-004		5.2400e-003	5.2400e-003		5.2400e-003	5.2400e-003		82.6722	82.6722	1.5800e-003	1.5200e-003	83.1635
Mobile	0.8126	5.2801	10.8337	0.0406	2.9902	0.0284	3.0186	0.8002	0.0266	0.8268		4,136.0475	4,136.0475	0.1943		4,140.9045
<b>Total</b>	<b>3.4836</b>	<b>5.3492</b>	<b>10.9045</b>	<b>0.0410</b>	<b>2.9902</b>	<b>0.0337</b>	<b>3.0239</b>	<b>0.8002</b>	<b>0.0319</b>	<b>0.8321</b>		<b>4,218.7473</b>	<b>4,218.7473</b>	<b>0.1959</b>	<b>1.5200e-003</b>	<b>4,224.0975</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.6634	1.2000e-004	0.0130	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0277	0.0277	7.0000e-005		0.0295
Energy	7.5800e-003	0.0689	0.0579	4.1000e-004		5.2400e-003	5.2400e-003		5.2400e-003	5.2400e-003		82.6722	82.6722	1.5800e-003	1.5200e-003	83.1635
Mobile	0.8126	5.2801	10.8337	0.0406	2.9902	0.0284	3.0186	0.8002	0.0266	0.8268		4,136.0475	4,136.0475	0.1943		4,140.9045
<b>Total</b>	<b>3.4836</b>	<b>5.3492</b>	<b>10.9045</b>	<b>0.0410</b>	<b>2.9902</b>	<b>0.0337</b>	<b>3.0239</b>	<b>0.8002</b>	<b>0.0319</b>	<b>0.8321</b>		<b>4,218.7473</b>	<b>4,218.7473</b>	<b>0.1959</b>	<b>1.5200e-003</b>	<b>4,224.0975</b>

Boyle Warehousing - San Bernardino-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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	Grading	Grading	1/1/2020	1/24/2020	5	18	
2	Building Construction	Building Construction	1/25/2020	10/30/2020	5	200	
3	Paving	Paving	11/1/2020	11/13/2020	5	10	
4	Architectural Coating	Architectural Coating	11/14/2020	11/27/2020	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 3

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 189,525; Non-Residential Outdoor: 63,175; Striped Parking Area: 0 (Architectural Coating – sqft)

#### OffRoad Equipment

Boyle Warehousing - San Bernardino-South Coast County, Summer

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

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	53.00	21.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	11.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Boyle Warehousing - San Bernardino-South Coast County, Summer

**3.2 Grading - 2020**

**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					6.1988	0.0000	6.1988	3.3293	0.0000	3.3293			0.0000			0.0000
Off-Road	1.9219	21.3418	9.9355	0.0206		0.9902	0.9902		0.9110	0.9110		1,996.406 1	1,996.406 1	0.6457		2,012.548 0
<b>Total</b>	<b>1.9219</b>	<b>21.3418</b>	<b>9.9355</b>	<b>0.0206</b>	<b>6.1988</b>	<b>0.9902</b>	<b>7.1890</b>	<b>3.3293</b>	<b>0.9110</b>	<b>4.2403</b>		<b>1,996.406 1</b>	<b>1,996.406 1</b>	<b>0.6457</b>		<b>2,012.548 0</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0546	0.0350	0.4497	1.1400e-003	0.1118	7.3000e-004	0.1125	0.0296	6.7000e-004	0.0303		113.0084	113.0084	3.4500e-003		113.0947
<b>Total</b>	<b>0.0546</b>	<b>0.0350</b>	<b>0.4497</b>	<b>1.1400e-003</b>	<b>0.1118</b>	<b>7.3000e-004</b>	<b>0.1125</b>	<b>0.0296</b>	<b>6.7000e-004</b>	<b>0.0303</b>		<b>113.0084</b>	<b>113.0084</b>	<b>3.4500e-003</b>		<b>113.0947</b>

Boyle Warehousing - San Bernardino-South Coast County, Summer

**3.2 Grading - 2020**

**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					6.1988	0.0000	6.1988	3.3293	0.0000	3.3293			0.0000			0.0000
Off-Road	1.9219	21.3418	9.9355	0.0206		0.9902	0.9902		0.9110	0.9110	0.0000	1,996.406 1	1,996.406 1	0.6457		2,012.548 0
<b>Total</b>	<b>1.9219</b>	<b>21.3418</b>	<b>9.9355</b>	<b>0.0206</b>	<b>6.1988</b>	<b>0.9902</b>	<b>7.1890</b>	<b>3.3293</b>	<b>0.9110</b>	<b>4.2403</b>	<b>0.0000</b>	<b>1,996.406 1</b>	<b>1,996.406 1</b>	<b>0.6457</b>		<b>2,012.548 0</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0546	0.0350	0.4497	1.1400e-003	0.1118	7.3000e-004	0.1125	0.0296	6.7000e-004	0.0303		113.0084	113.0084	3.4500e-003		113.0947
<b>Total</b>	<b>0.0546</b>	<b>0.0350</b>	<b>0.4497</b>	<b>1.1400e-003</b>	<b>0.1118</b>	<b>7.3000e-004</b>	<b>0.1125</b>	<b>0.0296</b>	<b>6.7000e-004</b>	<b>0.0303</b>		<b>113.0084</b>	<b>113.0084</b>	<b>3.4500e-003</b>		<b>113.0947</b>

Boyle Warehousing - San Bernardino-South Coast County, Summer

**3.3 Building Construction - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2879	17.4336	14.8972	0.0250		0.9482	0.9482		0.9089	0.9089		2,288.8877	2,288.8877	0.4646		2,300.5014
<b>Total</b>	<b>2.2879</b>	<b>17.4336</b>	<b>14.8972</b>	<b>0.0250</b>		<b>0.9482</b>	<b>0.9482</b>		<b>0.9089</b>	<b>0.9089</b>		<b>2,288.8877</b>	<b>2,288.8877</b>	<b>0.4646</b>		<b>2,300.5014</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0638	2.2161	0.4319	5.7000e-003	0.1345	0.0102	0.1447	0.0387	9.7600e-003	0.0485		600.8129	600.8129	0.0390		601.7885
Worker	0.2893	0.1857	2.3836	6.0200e-003	0.5924	3.8800e-003	0.5963	0.1571	3.5800e-003	0.1607		598.9446	598.9446	0.0183		599.4017
<b>Total</b>	<b>0.3530</b>	<b>2.4018</b>	<b>2.8154</b>	<b>0.0117</b>	<b>0.7269</b>	<b>0.0141</b>	<b>0.7410</b>	<b>0.1958</b>	<b>0.0133</b>	<b>0.2092</b>		<b>1,199.7575</b>	<b>1,199.7575</b>	<b>0.0573</b>		<b>1,201.1902</b>



Boyle Warehousing - San Bernardino-South Coast County, Summer

**3.3 Building Construction - 2020**

**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	2.2879	17.4336	14.8972	0.0250		0.9482	0.9482		0.9089	0.9089	0.0000	2,288.8877	2,288.8877	0.4646		2,300.5014
<b>Total</b>	<b>2.2879</b>	<b>17.4336</b>	<b>14.8972</b>	<b>0.0250</b>		<b>0.9482</b>	<b>0.9482</b>		<b>0.9089</b>	<b>0.9089</b>	<b>0.0000</b>	<b>2,288.8877</b>	<b>2,288.8877</b>	<b>0.4646</b>		<b>2,300.5014</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0638	2.2161	0.4319	5.7000e-003	0.1345	0.0102	0.1447	0.0387	9.7600e-003	0.0485		600.8129	600.8129	0.0390		601.7885
Worker	0.2893	0.1857	2.3836	6.0200e-003	0.5924	3.8800e-003	0.5963	0.1571	3.5800e-003	0.1607		598.9446	598.9446	0.0183		599.4017
<b>Total</b>	<b>0.3530</b>	<b>2.4018</b>	<b>2.8154</b>	<b>0.0117</b>	<b>0.7269</b>	<b>0.0141</b>	<b>0.7410</b>	<b>0.1958</b>	<b>0.0133</b>	<b>0.2092</b>		<b>1,199.7575</b>	<b>1,199.7575</b>	<b>0.0573</b>		<b>1,201.1902</b>

Boyle Warehousing - San Bernardino-South Coast County, Summer

**3.4 Paving - 2020**

**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	1.1547	11.5873	11.8076	0.0178		0.6565	0.6565		0.6051	0.6051		1,709.2180	1,709.2180	0.5417		1,722.7605
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.1547</b>	<b>11.5873</b>	<b>11.8076</b>	<b>0.0178</b>		<b>0.6565</b>	<b>0.6565</b>		<b>0.6051</b>	<b>0.6051</b>		<b>1,709.2180</b>	<b>1,709.2180</b>	<b>0.5417</b>		<b>1,722.7605</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0819	0.0525	0.6746	1.7000e-003	0.1677	1.1000e-003	0.1688	0.0445	1.0100e-003	0.0455		169.5126	169.5126	5.1700e-003		169.6420
<b>Total</b>	<b>0.0819</b>	<b>0.0525</b>	<b>0.6746</b>	<b>1.7000e-003</b>	<b>0.1677</b>	<b>1.1000e-003</b>	<b>0.1688</b>	<b>0.0445</b>	<b>1.0100e-003</b>	<b>0.0455</b>		<b>169.5126</b>	<b>169.5126</b>	<b>5.1700e-003</b>		<b>169.6420</b>

Boyle Warehousing - San Bernardino-South Coast County, Summer

**3.4 Paving - 2020**

**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	1.1547	11.5873	11.8076	0.0178		0.6565	0.6565		0.6051	0.6051	0.0000	1,709.2180	1,709.2180	0.5417		1,722.7605
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.1547</b>	<b>11.5873</b>	<b>11.8076</b>	<b>0.0178</b>		<b>0.6565</b>	<b>0.6565</b>		<b>0.6051</b>	<b>0.6051</b>	<b>0.0000</b>	<b>1,709.2180</b>	<b>1,709.2180</b>	<b>0.5417</b>		<b>1,722.7605</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0819	0.0525	0.6746	1.7000e-003	0.1677	1.1000e-003	0.1688	0.0445	1.0100e-003	0.0455		169.5126	169.5126	5.1700e-003		169.6420
<b>Total</b>	<b>0.0819</b>	<b>0.0525</b>	<b>0.6746</b>	<b>1.7000e-003</b>	<b>0.1677</b>	<b>1.1000e-003</b>	<b>0.1688</b>	<b>0.0445</b>	<b>1.0100e-003</b>	<b>0.0455</b>		<b>169.5126</b>	<b>169.5126</b>	<b>5.1700e-003</b>		<b>169.6420</b>

Boyle Warehousing - San Bernardino-South Coast County, Summer

**3.5 Architectural Coating - 2020**

**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	58.5632					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
<b>Total</b>	<b>58.8054</b>	<b>1.6838</b>	<b>1.8314</b>	<b>2.9700e-003</b>		<b>0.1109</b>	<b>0.1109</b>		<b>0.1109</b>	<b>0.1109</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0218</b>		<b>281.9928</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0600	0.0385	0.4947	1.2500e-003	0.1230	8.1000e-004	0.1238	0.0326	7.4000e-004	0.0334		124.3093	124.3093	3.7900e-003		124.4041
<b>Total</b>	<b>0.0600</b>	<b>0.0385</b>	<b>0.4947</b>	<b>1.2500e-003</b>	<b>0.1230</b>	<b>8.1000e-004</b>	<b>0.1238</b>	<b>0.0326</b>	<b>7.4000e-004</b>	<b>0.0334</b>		<b>124.3093</b>	<b>124.3093</b>	<b>3.7900e-003</b>		<b>124.4041</b>

Boyle Warehousing - San Bernardino-South Coast County, Summer

**3.5 Architectural Coating - 2020**

**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	58.5632					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928
<b>Total</b>	<b>58.8054</b>	<b>1.6838</b>	<b>1.8314</b>	<b>2.9700e-003</b>		<b>0.1109</b>	<b>0.1109</b>		<b>0.1109</b>	<b>0.1109</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0218</b>		<b>281.9928</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0600	0.0385	0.4947	1.2500e-003	0.1230	8.1000e-004	0.1238	0.0326	7.4000e-004	0.0334		124.3093	124.3093	3.7900e-003		124.4041
<b>Total</b>	<b>0.0600</b>	<b>0.0385</b>	<b>0.4947</b>	<b>1.2500e-003</b>	<b>0.1230</b>	<b>8.1000e-004</b>	<b>0.1238</b>	<b>0.0326</b>	<b>7.4000e-004</b>	<b>0.0334</b>		<b>124.3093</b>	<b>124.3093</b>	<b>3.7900e-003</b>		<b>124.4041</b>

**4.0 Operational Detail - Mobile**

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Boyle Warehousing - San Bernardino-South Coast County, Summer

**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.8126	5.2801	10.8337	0.0406	2.9902	0.0284	3.0186	0.8002	0.0266	0.8268		4,136.0475	4,136.0475	0.1943		4,140.9045
Unmitigated	0.8126	5.2801	10.8337	0.0406	2.9902	0.0284	3.0186	0.8002	0.0266	0.8268		4,136.0475	4,136.0475	0.1943		4,140.9045

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	327.25	327.25	327.25	1,402,486	1,402,486
Total	327.25	327.25	327.25	1,402,486	1,402,486

**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
Unrefrigerated Warehouse-No Rail	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unrefrigerated Warehouse-No Rail	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010

Boyle Warehousing - San Bernardino-South Coast County, Summer

**5.0 Energy Detail**

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Historical Energy Use: N

**5.1 Mitigation Measures Energy**

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	7.5800e-003	0.0689	0.0579	4.1000e-004		5.2400e-003	5.2400e-003		5.2400e-003	5.2400e-003		82.6722	82.6722	1.5800e-003	1.5200e-003	83.1635
NaturalGas Unmitigated	7.5800e-003	0.0689	0.0579	4.1000e-004		5.2400e-003	5.2400e-003		5.2400e-003	5.2400e-003		82.6722	82.6722	1.5800e-003	1.5200e-003	83.1635

Boyle Warehousing - San Bernardino-South Coast 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					
Unrefrigerated Warehouse-No Rail	702.714	7.5800e-003	0.0689	0.0579	4.1000e-004		5.2400e-003	5.2400e-003		5.2400e-003	5.2400e-003		82.6722	82.6722	1.5800e-003	1.5200e-003	83.1635
<b>Total</b>		<b>7.5800e-003</b>	<b>0.0689</b>	<b>0.0579</b>	<b>4.1000e-004</b>		<b>5.2400e-003</b>	<b>5.2400e-003</b>		<b>5.2400e-003</b>	<b>5.2400e-003</b>		<b>82.6722</b>	<b>82.6722</b>	<b>1.5800e-003</b>	<b>1.5200e-003</b>	<b>83.1635</b>

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Unrefrigerated Warehouse-No Rail	0.702714	7.5800e-003	0.0689	0.0579	4.1000e-004		5.2400e-003	5.2400e-003		5.2400e-003	5.2400e-003		82.6722	82.6722	1.5800e-003	1.5200e-003	83.1635
<b>Total</b>		<b>7.5800e-003</b>	<b>0.0689</b>	<b>0.0579</b>	<b>4.1000e-004</b>		<b>5.2400e-003</b>	<b>5.2400e-003</b>		<b>5.2400e-003</b>	<b>5.2400e-003</b>		<b>82.6722</b>	<b>82.6722</b>	<b>1.5800e-003</b>	<b>1.5200e-003</b>	<b>83.1635</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**



Boyle Warehousing - San Bernardino-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.6634	1.2000e-004	0.0130	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0277	0.0277	7.0000e-005		0.0295
Unmitigated	2.6634	1.2000e-004	0.0130	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0277	0.0277	7.0000e-005		0.0295

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	0.1605					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.5017					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.2100e-003	1.2000e-004	0.0130	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0277	0.0277	7.0000e-005		0.0295
<b>Total</b>	<b>2.6634</b>	<b>1.2000e-004</b>	<b>0.0130</b>	<b>0.0000</b>		<b>5.0000e-005</b>	<b>5.0000e-005</b>		<b>5.0000e-005</b>	<b>5.0000e-005</b>		<b>0.0277</b>	<b>0.0277</b>	<b>7.0000e-005</b>		<b>0.0295</b>

Boyle Warehousing - San Bernardino-South Coast County, Summer

**6.2 Area by SubCategory**

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1605					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.5017					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.2100e-003	1.2000e-004	0.0130	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0277	0.0277	7.0000e-005		0.0295
<b>Total</b>	<b>2.6634</b>	<b>1.2000e-004</b>	<b>0.0130</b>	<b>0.0000</b>		<b>5.0000e-005</b>	<b>5.0000e-005</b>		<b>5.0000e-005</b>	<b>5.0000e-005</b>		<b>0.0277</b>	<b>0.0277</b>	<b>7.0000e-005</b>		<b>0.0295</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

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**Fire Pumps and Emergency Generators**

Boyle Warehousing - San Bernardino-South Coast County, Summer

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

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

Equipment Type	Number
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**11.0 Vegetation**

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Boyle Warehousing - San Bernardino-South Coast County, Winter

**Boyle Warehousing**  
**San Bernardino-South Coast County, Winter**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	126.35	1000sqft	2.90	126,350.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	32
<b>Climate Zone</b>	10			<b>Operational Year</b>	2021
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	702.44	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

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

Boyle Warehousing - San Bernardino-South Coast County, Winter

Project Characteristics -

Land Use -

Construction Phase - General construction schedule provided by client

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Demolition -

Grading - Site is 5.16 net acres

Architectural Coating - Using flat or non-flat paint VOC limits as listed in SCAQMD Rule 1113 Table of Standards

Vehicle Trips - Recommended average trip rates as proposed in the SCAQMD Warehouse Truck Study for cold storage facilities

Area Coating - Using flat & non-flat VOC limits from SCAQMD Rule 1113 Table of Standards

Fleet Mix - Adjusted to reflect CalEEMod Ver 2013.2 Appendix E Analysis of Warehouse TRip Generation Rates by SCAQMD

## Boyle Warehousing - San Bernardino-South Coast County, Winter

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Parking	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblAreaCoating	Area_EF_Parking	100	50
tblConstructionPhase	NumDays	220.00	200.00
tblConstructionPhase	NumDays	6.00	18.00
tblConstructionPhase	PhaseEndDate	1/6/2021	11/27/2020
tblConstructionPhase	PhaseEndDate	12/9/2020	10/30/2020
tblConstructionPhase	PhaseEndDate	2/5/2020	1/24/2020
tblConstructionPhase	PhaseEndDate	12/23/2020	11/13/2020
tblConstructionPhase	PhaseStartDate	12/24/2020	11/14/2020
tblConstructionPhase	PhaseStartDate	2/6/2020	1/25/2020
tblConstructionPhase	PhaseStartDate	1/29/2020	1/1/2020
tblConstructionPhase	PhaseStartDate	12/10/2020	11/1/2020
tblGrading	AcresOfGrading	9.00	3.00
tblVehicleTrips	ST_TR	1.68	2.59
tblVehicleTrips	SU_TR	1.68	2.59
tblVehicleTrips	WD_TR	1.68	2.59

## 2.0 Emissions Summary

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Boyle Warehousing - San Bernardino-South Coast 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	2.6634	1.2000e-004	0.0130	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0277	0.0277	7.0000e-005		0.0295
Energy	7.5800e-003	0.0689	0.0579	4.1000e-004		5.2400e-003	5.2400e-003		5.2400e-003	5.2400e-003		82.6722	82.6722	1.5800e-003	1.5200e-003	83.1635
Mobile	0.7153	5.3243	9.3679	0.0374	2.9902	0.0286	3.0188	0.8002	0.0268	0.8270		3,819.2042	3,819.2042	0.1948		3,824.0734
<b>Total</b>	<b>3.3862</b>	<b>5.3933</b>	<b>9.4387</b>	<b>0.0379</b>	<b>2.9902</b>	<b>0.0339</b>	<b>3.0241</b>	<b>0.8002</b>	<b>0.0321</b>	<b>0.8323</b>		<b>3,901.9040</b>	<b>3,901.9040</b>	<b>0.1964</b>	<b>1.5200e-003</b>	<b>3,907.2664</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.6634	1.2000e-004	0.0130	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0277	0.0277	7.0000e-005		0.0295
Energy	7.5800e-003	0.0689	0.0579	4.1000e-004		5.2400e-003	5.2400e-003		5.2400e-003	5.2400e-003		82.6722	82.6722	1.5800e-003	1.5200e-003	83.1635
Mobile	0.7153	5.3243	9.3679	0.0374	2.9902	0.0286	3.0188	0.8002	0.0268	0.8270		3,819.2042	3,819.2042	0.1948		3,824.0734
<b>Total</b>	<b>3.3862</b>	<b>5.3933</b>	<b>9.4387</b>	<b>0.0379</b>	<b>2.9902</b>	<b>0.0339</b>	<b>3.0241</b>	<b>0.8002</b>	<b>0.0321</b>	<b>0.8323</b>		<b>3,901.9040</b>	<b>3,901.9040</b>	<b>0.1964</b>	<b>1.5200e-003</b>	<b>3,907.2664</b>



Boyle Warehousing - San Bernardino-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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	Grading	Grading	1/1/2020	1/24/2020	5	18	
2	Building Construction	Building Construction	1/25/2020	10/30/2020	5	200	
3	Paving	Paving	11/1/2020	11/13/2020	5	10	
4	Architectural Coating	Architectural Coating	11/14/2020	11/27/2020	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 3

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 189,525; Non-Residential Outdoor: 63,175; Striped Parking Area: 0 (Architectural Coating – sqft)

#### OffRoad Equipment

Boyle Warehousing - San Bernardino-South Coast County, Winter

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

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	53.00	21.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	11.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Boyle Warehousing - San Bernardino-South Coast County, Winter

**3.2 Grading - 2020**

**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					6.1988	0.0000	6.1988	3.3293	0.0000	3.3293			0.0000			0.0000
Off-Road	1.9219	21.3418	9.9355	0.0206		0.9902	0.9902		0.9110	0.9110		1,996.4061	1,996.4061	0.6457		2,012.5480
<b>Total</b>	<b>1.9219</b>	<b>21.3418</b>	<b>9.9355</b>	<b>0.0206</b>	<b>6.1988</b>	<b>0.9902</b>	<b>7.1890</b>	<b>3.3293</b>	<b>0.9110</b>	<b>4.2403</b>		<b>1,996.4061</b>	<b>1,996.4061</b>	<b>0.6457</b>		<b>2,012.5480</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0546	0.0369	0.3696	1.0200e-003	0.1118	7.3000e-004	0.1125	0.0296	6.7000e-004	0.0303		101.3750	101.3750	3.0300e-003		101.4506
<b>Total</b>	<b>0.0546</b>	<b>0.0369</b>	<b>0.3696</b>	<b>1.0200e-003</b>	<b>0.1118</b>	<b>7.3000e-004</b>	<b>0.1125</b>	<b>0.0296</b>	<b>6.7000e-004</b>	<b>0.0303</b>		<b>101.3750</b>	<b>101.3750</b>	<b>3.0300e-003</b>		<b>101.4506</b>

Boyle Warehousing - San Bernardino-South Coast County, Winter

**3.2 Grading - 2020**

**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					6.1988	0.0000	6.1988	3.3293	0.0000	3.3293			0.0000			0.0000
Off-Road	1.9219	21.3418	9.9355	0.0206		0.9902	0.9902		0.9110	0.9110	0.0000	1,996.406 1	1,996.406 1	0.6457		2,012.548 0
<b>Total</b>	<b>1.9219</b>	<b>21.3418</b>	<b>9.9355</b>	<b>0.0206</b>	<b>6.1988</b>	<b>0.9902</b>	<b>7.1890</b>	<b>3.3293</b>	<b>0.9110</b>	<b>4.2403</b>	<b>0.0000</b>	<b>1,996.406 1</b>	<b>1,996.406 1</b>	<b>0.6457</b>		<b>2,012.548 0</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0546	0.0369	0.3696	1.0200e-003	0.1118	7.3000e-004	0.1125	0.0296	6.7000e-004	0.0303		101.3750	101.3750	3.0300e-003		101.4506
<b>Total</b>	<b>0.0546</b>	<b>0.0369</b>	<b>0.3696</b>	<b>1.0200e-003</b>	<b>0.1118</b>	<b>7.3000e-004</b>	<b>0.1125</b>	<b>0.0296</b>	<b>6.7000e-004</b>	<b>0.0303</b>		<b>101.3750</b>	<b>101.3750</b>	<b>3.0300e-003</b>		<b>101.4506</b>

Boyle Warehousing - San Bernardino-South Coast County, Winter

**3.3 Building Construction - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2879	17.4336	14.8972	0.0250		0.9482	0.9482		0.9089	0.9089		2,288.8877	2,288.8877	0.4646		2,300.5014
<b>Total</b>	<b>2.2879</b>	<b>17.4336</b>	<b>14.8972</b>	<b>0.0250</b>		<b>0.9482</b>	<b>0.9482</b>		<b>0.9089</b>	<b>0.9089</b>		<b>2,288.8877</b>	<b>2,288.8877</b>	<b>0.4646</b>		<b>2,300.5014</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0672	2.1981	0.5006	5.4800e-003	0.1345	0.0103	0.1448	0.0387	9.8800e-003	0.0486		577.5002	577.5002	0.0432		578.5789
Worker	0.2894	0.1954	1.9590	5.3900e-003	0.5924	3.8800e-003	0.5963	0.1571	3.5800e-003	0.1607		537.2874	537.2874	0.0160		537.6884
<b>Total</b>	<b>0.3567</b>	<b>2.3935</b>	<b>2.4596</b>	<b>0.0109</b>	<b>0.7269</b>	<b>0.0142</b>	<b>0.7411</b>	<b>0.1958</b>	<b>0.0135</b>	<b>0.2093</b>		<b>1,114.7876</b>	<b>1,114.7876</b>	<b>0.0592</b>		<b>1,116.2673</b>

Boyle Warehousing - San Bernardino-South Coast County, Winter

**3.3 Building Construction - 2020**

**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	2.2879	17.4336	14.8972	0.0250		0.9482	0.9482		0.9089	0.9089	0.0000	2,288.8877	2,288.8877	0.4646		2,300.5014
<b>Total</b>	<b>2.2879</b>	<b>17.4336</b>	<b>14.8972</b>	<b>0.0250</b>		<b>0.9482</b>	<b>0.9482</b>		<b>0.9089</b>	<b>0.9089</b>	<b>0.0000</b>	<b>2,288.8877</b>	<b>2,288.8877</b>	<b>0.4646</b>		<b>2,300.5014</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0672	2.1981	0.5006	5.4800e-003	0.1345	0.0103	0.1448	0.0387	9.8800e-003	0.0486		577.5002	577.5002	0.0432		578.5789
Worker	0.2894	0.1954	1.9590	5.3900e-003	0.5924	3.8800e-003	0.5963	0.1571	3.5800e-003	0.1607		537.2874	537.2874	0.0160		537.6884
<b>Total</b>	<b>0.3567</b>	<b>2.3935</b>	<b>2.4596</b>	<b>0.0109</b>	<b>0.7269</b>	<b>0.0142</b>	<b>0.7411</b>	<b>0.1958</b>	<b>0.0135</b>	<b>0.2093</b>		<b>1,114.7876</b>	<b>1,114.7876</b>	<b>0.0592</b>		<b>1,116.2673</b>

Boyle Warehousing - San Bernardino-South Coast County, Winter

**3.4 Paving - 2020**

**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	1.1547	11.5873	11.8076	0.0178		0.6565	0.6565		0.6051	0.6051		1,709.2180	1,709.2180	0.5417		1,722.7605
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.1547</b>	<b>11.5873</b>	<b>11.8076</b>	<b>0.0178</b>		<b>0.6565</b>	<b>0.6565</b>		<b>0.6051</b>	<b>0.6051</b>		<b>1,709.2180</b>	<b>1,709.2180</b>	<b>0.5417</b>		<b>1,722.7605</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0819	0.0553	0.5544	1.5300e-003	0.1677	1.1000e-003	0.1688	0.0445	1.0100e-003	0.0455		152.0625	152.0625	4.5400e-003		152.1760
<b>Total</b>	<b>0.0819</b>	<b>0.0553</b>	<b>0.5544</b>	<b>1.5300e-003</b>	<b>0.1677</b>	<b>1.1000e-003</b>	<b>0.1688</b>	<b>0.0445</b>	<b>1.0100e-003</b>	<b>0.0455</b>		<b>152.0625</b>	<b>152.0625</b>	<b>4.5400e-003</b>		<b>152.1760</b>

Boyle Warehousing - San Bernardino-South Coast County, Winter

**3.4 Paving - 2020**

**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	1.1547	11.5873	11.8076	0.0178		0.6565	0.6565		0.6051	0.6051	0.0000	1,709.2180	1,709.2180	0.5417		1,722.7605
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.1547</b>	<b>11.5873</b>	<b>11.8076</b>	<b>0.0178</b>		<b>0.6565</b>	<b>0.6565</b>		<b>0.6051</b>	<b>0.6051</b>	<b>0.0000</b>	<b>1,709.2180</b>	<b>1,709.2180</b>	<b>0.5417</b>		<b>1,722.7605</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0819	0.0553	0.5544	1.5300e-003	0.1677	1.1000e-003	0.1688	0.0445	1.0100e-003	0.0455		152.0625	152.0625	4.5400e-003		152.1760
<b>Total</b>	<b>0.0819</b>	<b>0.0553</b>	<b>0.5544</b>	<b>1.5300e-003</b>	<b>0.1677</b>	<b>1.1000e-003</b>	<b>0.1688</b>	<b>0.0445</b>	<b>1.0100e-003</b>	<b>0.0455</b>		<b>152.0625</b>	<b>152.0625</b>	<b>4.5400e-003</b>		<b>152.1760</b>



Boyle Warehousing - San Bernardino-South Coast County, Winter

**3.5 Architectural Coating - 2020**

**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	58.5632					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
<b>Total</b>	<b>58.8054</b>	<b>1.6838</b>	<b>1.8314</b>	<b>2.9700e-003</b>		<b>0.1109</b>	<b>0.1109</b>		<b>0.1109</b>	<b>0.1109</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0218</b>		<b>281.9928</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0601	0.0405	0.4066	1.1200e-003	0.1230	8.1000e-004	0.1238	0.0326	7.4000e-004	0.0334		111.5125	111.5125	3.3300e-003		111.5957
<b>Total</b>	<b>0.0601</b>	<b>0.0405</b>	<b>0.4066</b>	<b>1.1200e-003</b>	<b>0.1230</b>	<b>8.1000e-004</b>	<b>0.1238</b>	<b>0.0326</b>	<b>7.4000e-004</b>	<b>0.0334</b>		<b>111.5125</b>	<b>111.5125</b>	<b>3.3300e-003</b>		<b>111.5957</b>

Boyle Warehousing - San Bernardino-South Coast County, Winter

**3.5 Architectural Coating - 2020**

**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	58.5632					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928
<b>Total</b>	<b>58.8054</b>	<b>1.6838</b>	<b>1.8314</b>	<b>2.9700e-003</b>		<b>0.1109</b>	<b>0.1109</b>		<b>0.1109</b>	<b>0.1109</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0218</b>		<b>281.9928</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0601	0.0405	0.4066	1.1200e-003	0.1230	8.1000e-004	0.1238	0.0326	7.4000e-004	0.0334		111.5125	111.5125	3.3300e-003		111.5957
<b>Total</b>	<b>0.0601</b>	<b>0.0405</b>	<b>0.4066</b>	<b>1.1200e-003</b>	<b>0.1230</b>	<b>8.1000e-004</b>	<b>0.1238</b>	<b>0.0326</b>	<b>7.4000e-004</b>	<b>0.0334</b>		<b>111.5125</b>	<b>111.5125</b>	<b>3.3300e-003</b>		<b>111.5957</b>

**4.0 Operational Detail - Mobile**

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Boyle Warehousing - San Bernardino-South Coast County, Winter

**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.7153	5.3243	9.3679	0.0374	2.9902	0.0286	3.0188	0.8002	0.0268	0.8270		3,819.204 2	3,819.204 2	0.1948		3,824.073 4
Unmitigated	0.7153	5.3243	9.3679	0.0374	2.9902	0.0286	3.0188	0.8002	0.0268	0.8270		3,819.204 2	3,819.204 2	0.1948		3,824.073 4

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	327.25	327.25	327.25	1,402,486	1,402,486
Total	327.25	327.25	327.25	1,402,486	1,402,486

**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
Unrefrigerated Warehouse-No Rail	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unrefrigerated Warehouse-No Rail	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010

Boyle Warehousing - San Bernardino-South Coast County, Winter

**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	7.5800e-003	0.0689	0.0579	4.1000e-004		5.2400e-003	5.2400e-003		5.2400e-003	5.2400e-003		82.6722	82.6722	1.5800e-003	1.5200e-003	83.1635
NaturalGas Unmitigated	7.5800e-003	0.0689	0.0579	4.1000e-004		5.2400e-003	5.2400e-003		5.2400e-003	5.2400e-003		82.6722	82.6722	1.5800e-003	1.5200e-003	83.1635

Boyle Warehousing - San Bernardino-South Coast 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					
Unrefrigerated Warehouse-No Rail	702.714	7.5800e-003	0.0689	0.0579	4.1000e-004		5.2400e-003	5.2400e-003		5.2400e-003	5.2400e-003		82.6722	82.6722	1.5800e-003	1.5200e-003	83.1635
<b>Total</b>		<b>7.5800e-003</b>	<b>0.0689</b>	<b>0.0579</b>	<b>4.1000e-004</b>		<b>5.2400e-003</b>	<b>5.2400e-003</b>		<b>5.2400e-003</b>	<b>5.2400e-003</b>		<b>82.6722</b>	<b>82.6722</b>	<b>1.5800e-003</b>	<b>1.5200e-003</b>	<b>83.1635</b>

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Unrefrigerated Warehouse-No Rail	0.702714	7.5800e-003	0.0689	0.0579	4.1000e-004		5.2400e-003	5.2400e-003		5.2400e-003	5.2400e-003		82.6722	82.6722	1.5800e-003	1.5200e-003	83.1635
<b>Total</b>		<b>7.5800e-003</b>	<b>0.0689</b>	<b>0.0579</b>	<b>4.1000e-004</b>		<b>5.2400e-003</b>	<b>5.2400e-003</b>		<b>5.2400e-003</b>	<b>5.2400e-003</b>		<b>82.6722</b>	<b>82.6722</b>	<b>1.5800e-003</b>	<b>1.5200e-003</b>	<b>83.1635</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Boyle Warehousing - San Bernardino-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.6634	1.2000e-004	0.0130	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0277	0.0277	7.0000e-005		0.0295
Unmitigated	2.6634	1.2000e-004	0.0130	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0277	0.0277	7.0000e-005		0.0295

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	0.1605					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.5017					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.2100e-003	1.2000e-004	0.0130	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0277	0.0277	7.0000e-005		0.0295
<b>Total</b>	<b>2.6634</b>	<b>1.2000e-004</b>	<b>0.0130</b>	<b>0.0000</b>		<b>5.0000e-005</b>	<b>5.0000e-005</b>		<b>5.0000e-005</b>	<b>5.0000e-005</b>		<b>0.0277</b>	<b>0.0277</b>	<b>7.0000e-005</b>		<b>0.0295</b>

Boyle Warehousing - San Bernardino-South Coast County, Winter

**6.2 Area by SubCategory**

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1605					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.5017					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.2100e-003	1.2000e-004	0.0130	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0277	0.0277	7.0000e-005		0.0295
<b>Total</b>	<b>2.6634</b>	<b>1.2000e-004</b>	<b>0.0130</b>	<b>0.0000</b>		<b>5.0000e-005</b>	<b>5.0000e-005</b>		<b>5.0000e-005</b>	<b>5.0000e-005</b>		<b>0.0277</b>	<b>0.0277</b>	<b>7.0000e-005</b>		<b>0.0295</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

**Fire Pumps and Emergency Generators**

Boyle Warehousing - San Bernardino-South Coast County, Winter

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

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

Equipment Type	Number
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**11.0 Vegetation**

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**Boyle Warehousing**  
**San Bernardino-South Coast County, Annual**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	126.35	1000sqft	2.90	126,350.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	32
<b>Climate Zone</b>	10			<b>Operational Year</b>	2021
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	702.44	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

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

Boyle Warehousing - San Bernardino-South Coast County, Annual

Project Characteristics -

Land Use -

Construction Phase - General construction schedule provided by client

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Demolition -

Grading - Site is 5.16 net acres

Architectural Coating - Using flat or non-flat paint VOC limits as listed in SCAQMD Rule 1113 Table of Standards

Vehicle Trips - Recommended average trip rates as proposed in the SCAQMD Warehouse Truck Study for cold storage facilities

Area Coating - Using flat & non-flat VOC limits from SCAQMD Rule 1113 Table of Standards

Fleet Mix - Adjusted to reflect CalEEMod Ver 2013.2 Appendix E Analysis of Warehouse TRip Generation Rates by SCAQMD

## Boyle Warehousing - San Bernardino-South Coast County, Annual

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Parking	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblAreaCoating	Area_EF_Parking	100	50
tblConstructionPhase	NumDays	220.00	200.00
tblConstructionPhase	NumDays	6.00	18.00
tblConstructionPhase	PhaseEndDate	1/6/2021	11/27/2020
tblConstructionPhase	PhaseEndDate	12/9/2020	10/30/2020
tblConstructionPhase	PhaseEndDate	2/5/2020	1/24/2020
tblConstructionPhase	PhaseEndDate	12/23/2020	11/13/2020
tblConstructionPhase	PhaseStartDate	12/24/2020	11/14/2020
tblConstructionPhase	PhaseStartDate	2/6/2020	1/25/2020
tblConstructionPhase	PhaseStartDate	1/29/2020	1/1/2020
tblConstructionPhase	PhaseStartDate	12/10/2020	11/1/2020
tblGrading	AcresOfGrading	9.00	3.00
tblVehicleTrips	ST_TR	1.68	2.59
tblVehicleTrips	SU_TR	1.68	2.59
tblVehicleTrips	WD_TR	1.68	2.59

## 2.0 Emissions Summary

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2020	3-31-2020	0.7379	0.7379
2	4-1-2020	6-30-2020	0.7305	0.7305
3	7-1-2020	9-30-2020	0.7385	0.7385
		Highest	0.7385	0.7385

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	0.4860	1.0000e-005	1.6200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.1400e-003	3.1400e-003	1.0000e-005	0.0000	3.3400e-003
Energy	1.3800e-003	0.0126	0.0106	8.0000e-005		9.6000e-004	9.6000e-004		9.6000e-004	9.6000e-004	0.0000	108.6958	108.6958	4.1800e-003	1.0600e-003	109.1170
Mobile	0.1278	0.9918	1.7660	6.9500e-003	0.5341	5.1800e-003	0.5392	0.1431	4.8600e-003	0.1480	0.0000	642.6630	642.6630	0.0317	0.0000	643.4555
Waste						0.0000	0.0000		0.0000	0.0000	24.1092	0.0000	24.1092	1.4248	0.0000	59.7296
Water						0.0000	0.0000		0.0000	0.0000	9.2697	121.2206	130.4902	0.9571	0.0235	161.4252
<b>Total</b>	<b>0.6152</b>	<b>1.0044</b>	<b>1.7782</b>	<b>7.0300e-003</b>	<b>0.5341</b>	<b>6.1500e-003</b>	<b>0.5402</b>	<b>0.1431</b>	<b>5.8300e-003</b>	<b>0.1490</b>	<b>33.3789</b>	<b>872.5825</b>	<b>905.9614</b>	<b>2.4178</b>	<b>0.0246</b>	<b>973.7307</b>

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**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.4860	1.0000e-005	1.6200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.1400e-003	3.1400e-003	1.0000e-005	0.0000	3.3400e-003
Energy	1.3800e-003	0.0126	0.0106	8.0000e-005		9.6000e-004	9.6000e-004		9.6000e-004	9.6000e-004	0.0000	108.6958	108.6958	4.1800e-003	1.0600e-003	109.1170
Mobile	0.1278	0.9918	1.7660	6.9500e-003	0.5341	5.1800e-003	0.5392	0.1431	4.8600e-003	0.1480	0.0000	642.6630	642.6630	0.0317	0.0000	643.4555
Waste						0.0000	0.0000		0.0000	0.0000	24.1092	0.0000	24.1092	1.4248	0.0000	59.7296
Water						0.0000	0.0000		0.0000	0.0000	9.2697	121.2206	130.4902	0.9571	0.0235	161.4252
<b>Total</b>	<b>0.6152</b>	<b>1.0044</b>	<b>1.7782</b>	<b>7.0300e-003</b>	<b>0.5341</b>	<b>6.1500e-003</b>	<b>0.5402</b>	<b>0.1431</b>	<b>5.8300e-003</b>	<b>0.1490</b>	<b>33.3789</b>	<b>872.5825</b>	<b>905.9614</b>	<b>2.4178</b>	<b>0.0246</b>	<b>973.7307</b>

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

**3.0 Construction Detail**

**Construction Phase**

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	1/1/2020	1/24/2020	5	18	
2	Building Construction	Building Construction	1/25/2020	10/30/2020	5	200	
3	Paving	Paving	11/1/2020	11/13/2020	5	10	
4	Architectural Coating	Architectural Coating	11/14/2020	11/27/2020	5	10	

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

**Acres of Grading (Grading Phase): 3**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 189,525; Non-Residential Outdoor: 63,175; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

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

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	53.00	21.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	11.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**



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**3.2 Grading - 2020**

**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					0.0558	0.0000	0.0558	0.0300	0.0000	0.0300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0173	0.1921	0.0894	1.9000e-004		8.9100e-003	8.9100e-003		8.2000e-003	8.2000e-003	0.0000	16.3000	16.3000	5.2700e-003	0.0000	16.4318
<b>Total</b>	<b>0.0173</b>	<b>0.1921</b>	<b>0.0894</b>	<b>1.9000e-004</b>	<b>0.0558</b>	<b>8.9100e-003</b>	<b>0.0647</b>	<b>0.0300</b>	<b>8.2000e-003</b>	<b>0.0382</b>	<b>0.0000</b>	<b>16.3000</b>	<b>16.3000</b>	<b>5.2700e-003</b>	<b>0.0000</b>	<b>16.4318</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.4000e-004	3.5000e-004	3.4900e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.8458	0.8458	3.0000e-005	0.0000	0.8465
<b>Total</b>	<b>4.4000e-004</b>	<b>3.5000e-004</b>	<b>3.4900e-003</b>	<b>1.0000e-005</b>	<b>9.9000e-004</b>	<b>1.0000e-005</b>	<b>9.9000e-004</b>	<b>2.6000e-004</b>	<b>1.0000e-005</b>	<b>2.7000e-004</b>	<b>0.0000</b>	<b>0.8458</b>	<b>0.8458</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.8465</b>

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**3.2 Grading - 2020**

**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					0.0558	0.0000	0.0558	0.0300	0.0000	0.0300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0173	0.1921	0.0894	1.9000e-004		8.9100e-003	8.9100e-003		8.2000e-003	8.2000e-003	0.0000	16.3000	16.3000	5.2700e-003	0.0000	16.4318
<b>Total</b>	<b>0.0173</b>	<b>0.1921</b>	<b>0.0894</b>	<b>1.9000e-004</b>	<b>0.0558</b>	<b>8.9100e-003</b>	<b>0.0647</b>	<b>0.0300</b>	<b>8.2000e-003</b>	<b>0.0382</b>	<b>0.0000</b>	<b>16.3000</b>	<b>16.3000</b>	<b>5.2700e-003</b>	<b>0.0000</b>	<b>16.4318</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.4000e-004	3.5000e-004	3.4900e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.8458	0.8458	3.0000e-005	0.0000	0.8465
<b>Total</b>	<b>4.4000e-004</b>	<b>3.5000e-004</b>	<b>3.4900e-003</b>	<b>1.0000e-005</b>	<b>9.9000e-004</b>	<b>1.0000e-005</b>	<b>9.9000e-004</b>	<b>2.6000e-004</b>	<b>1.0000e-005</b>	<b>2.7000e-004</b>	<b>0.0000</b>	<b>0.8458</b>	<b>0.8458</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.8465</b>

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**3.3 Building Construction - 2020**

**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	0.2288	1.7434	1.4897	2.5000e-003		0.0948	0.0948		0.0909	0.0909	0.0000	207.6444	207.6444	0.0421	0.0000	208.6980
<b>Total</b>	<b>0.2288</b>	<b>1.7434</b>	<b>1.4897</b>	<b>2.5000e-003</b>		<b>0.0948</b>	<b>0.0948</b>		<b>0.0909</b>	<b>0.0909</b>	<b>0.0000</b>	<b>207.6444</b>	<b>207.6444</b>	<b>0.0421</b>	<b>0.0000</b>	<b>208.6980</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.5100e-003	0.2242	0.0469	5.6000e-004	0.0132	1.0300e-003	0.0143	3.8200e-003	9.8000e-004	4.8000e-003	0.0000	53.6166	53.6166	3.7100e-003	0.0000	53.7093
Worker	0.0262	0.0206	0.2056	5.5000e-004	0.0581	3.9000e-004	0.0585	0.0154	3.6000e-004	0.0158	0.0000	49.8105	49.8105	1.5000e-003	0.0000	49.8479
<b>Total</b>	<b>0.0327</b>	<b>0.2448</b>	<b>0.2524</b>	<b>1.1100e-003</b>	<b>0.0714</b>	<b>1.4200e-003</b>	<b>0.0728</b>	<b>0.0193</b>	<b>1.3400e-003</b>	<b>0.0206</b>	<b>0.0000</b>	<b>103.4271</b>	<b>103.4271</b>	<b>5.2100e-003</b>	<b>0.0000</b>	<b>103.5572</b>

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**3.3 Building Construction - 2020**

**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	0.2288	1.7434	1.4897	2.5000e-003		0.0948	0.0948		0.0909	0.0909	0.0000	207.6442	207.6442	0.0421	0.0000	208.6977
<b>Total</b>	<b>0.2288</b>	<b>1.7434</b>	<b>1.4897</b>	<b>2.5000e-003</b>		<b>0.0948</b>	<b>0.0948</b>		<b>0.0909</b>	<b>0.0909</b>	<b>0.0000</b>	<b>207.6442</b>	<b>207.6442</b>	<b>0.0421</b>	<b>0.0000</b>	<b>208.6977</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.5100e-003	0.2242	0.0469	5.6000e-004	0.0132	1.0300e-003	0.0143	3.8200e-003	9.8000e-004	4.8000e-003	0.0000	53.6166	53.6166	3.7100e-003	0.0000	53.7093
Worker	0.0262	0.0206	0.2056	5.5000e-004	0.0581	3.9000e-004	0.0585	0.0154	3.6000e-004	0.0158	0.0000	49.8105	49.8105	1.5000e-003	0.0000	49.8479
<b>Total</b>	<b>0.0327</b>	<b>0.2448</b>	<b>0.2524</b>	<b>1.1100e-003</b>	<b>0.0714</b>	<b>1.4200e-003</b>	<b>0.0728</b>	<b>0.0193</b>	<b>1.3400e-003</b>	<b>0.0206</b>	<b>0.0000</b>	<b>103.4271</b>	<b>103.4271</b>	<b>5.2100e-003</b>	<b>0.0000</b>	<b>103.5572</b>

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**3.4 Paving - 2020**

**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	5.7700e-003	0.0579	0.0590	9.0000e-005		3.2800e-003	3.2800e-003		3.0300e-003	3.0300e-003	0.0000	7.7529	7.7529	2.4600e-003	0.0000	7.8143
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>5.7700e-003</b>	<b>0.0579</b>	<b>0.0590</b>	<b>9.0000e-005</b>		<b>3.2800e-003</b>	<b>3.2800e-003</b>		<b>3.0300e-003</b>	<b>3.0300e-003</b>	<b>0.0000</b>	<b>7.7529</b>	<b>7.7529</b>	<b>2.4600e-003</b>	<b>0.0000</b>	<b>7.8143</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7000e-004	2.9000e-004	2.9100e-003	1.0000e-005	8.2000e-004	1.0000e-005	8.3000e-004	2.2000e-004	1.0000e-005	2.2000e-004	0.0000	0.7049	0.7049	2.0000e-005	0.0000	0.7054
<b>Total</b>	<b>3.7000e-004</b>	<b>2.9000e-004</b>	<b>2.9100e-003</b>	<b>1.0000e-005</b>	<b>8.2000e-004</b>	<b>1.0000e-005</b>	<b>8.3000e-004</b>	<b>2.2000e-004</b>	<b>1.0000e-005</b>	<b>2.2000e-004</b>	<b>0.0000</b>	<b>0.7049</b>	<b>0.7049</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.7054</b>

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**3.4 Paving - 2020**

**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	5.7700e-003	0.0579	0.0590	9.0000e-005		3.2800e-003	3.2800e-003		3.0300e-003	3.0300e-003	0.0000	7.7529	7.7529	2.4600e-003	0.0000	7.8143
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>5.7700e-003</b>	<b>0.0579</b>	<b>0.0590</b>	<b>9.0000e-005</b>		<b>3.2800e-003</b>	<b>3.2800e-003</b>		<b>3.0300e-003</b>	<b>3.0300e-003</b>	<b>0.0000</b>	<b>7.7529</b>	<b>7.7529</b>	<b>2.4600e-003</b>	<b>0.0000</b>	<b>7.8143</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7000e-004	2.9000e-004	2.9100e-003	1.0000e-005	8.2000e-004	1.0000e-005	8.3000e-004	2.2000e-004	1.0000e-005	2.2000e-004	0.0000	0.7049	0.7049	2.0000e-005	0.0000	0.7054
<b>Total</b>	<b>3.7000e-004</b>	<b>2.9000e-004</b>	<b>2.9100e-003</b>	<b>1.0000e-005</b>	<b>8.2000e-004</b>	<b>1.0000e-005</b>	<b>8.3000e-004</b>	<b>2.2000e-004</b>	<b>1.0000e-005</b>	<b>2.2000e-004</b>	<b>0.0000</b>	<b>0.7049</b>	<b>0.7049</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.7054</b>

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**3.5 Architectural Coating - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2928					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2100e-003	8.4200e-003	9.1600e-003	1.0000e-005		5.5000e-004	5.5000e-004		5.5000e-004	5.5000e-004	0.0000	1.2766	1.2766	1.0000e-004	0.0000	1.2791
<b>Total</b>	<b>0.2940</b>	<b>8.4200e-003</b>	<b>9.1600e-003</b>	<b>1.0000e-005</b>		<b>5.5000e-004</b>	<b>5.5000e-004</b>		<b>5.5000e-004</b>	<b>5.5000e-004</b>	<b>0.0000</b>	<b>1.2766</b>	<b>1.2766</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>1.2791</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7000e-004	2.1000e-004	2.1300e-003	1.0000e-005	6.0000e-004	0.0000	6.1000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.5169	0.5169	2.0000e-005	0.0000	0.5173
<b>Total</b>	<b>2.7000e-004</b>	<b>2.1000e-004</b>	<b>2.1300e-003</b>	<b>1.0000e-005</b>	<b>6.0000e-004</b>	<b>0.0000</b>	<b>6.1000e-004</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>0.5169</b>	<b>0.5169</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.5173</b>

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**3.5 Architectural Coating - 2020**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2928					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2100e-003	8.4200e-003	9.1600e-003	1.0000e-005		5.5000e-004	5.5000e-004		5.5000e-004	5.5000e-004	0.0000	1.2766	1.2766	1.0000e-004	0.0000	1.2791
<b>Total</b>	<b>0.2940</b>	<b>8.4200e-003</b>	<b>9.1600e-003</b>	<b>1.0000e-005</b>		<b>5.5000e-004</b>	<b>5.5000e-004</b>		<b>5.5000e-004</b>	<b>5.5000e-004</b>	<b>0.0000</b>	<b>1.2766</b>	<b>1.2766</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>1.2791</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7000e-004	2.1000e-004	2.1300e-003	1.0000e-005	6.0000e-004	0.0000	6.1000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.5169	0.5169	2.0000e-005	0.0000	0.5173
<b>Total</b>	<b>2.7000e-004</b>	<b>2.1000e-004</b>	<b>2.1300e-003</b>	<b>1.0000e-005</b>	<b>6.0000e-004</b>	<b>0.0000</b>	<b>6.1000e-004</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>0.5169</b>	<b>0.5169</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.5173</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1278	0.9918	1.7660	6.9500e-003	0.5341	5.1800e-003	0.5392	0.1431	4.8600e-003	0.1480	0.0000	642.6630	642.6630	0.0317	0.0000	643.4555
Unmitigated	0.1278	0.9918	1.7660	6.9500e-003	0.5341	5.1800e-003	0.5392	0.1431	4.8600e-003	0.1480	0.0000	642.6630	642.6630	0.0317	0.0000	643.4555

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	327.25	327.25	327.25	1,402,486	1,402,486
Total	327.25	327.25	327.25	1,402,486	1,402,486

**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
Unrefrigerated Warehouse-No Rail	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unrefrigerated Warehouse-No Rail	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010

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**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	95.0085	95.0085	3.9200e-003	8.1000e-004	95.3483
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	95.0085	95.0085	3.9200e-003	8.1000e-004	95.3483
NaturalGas Mitigated	1.3800e-003	0.0126	0.0106	8.0000e-005		9.6000e-004	9.6000e-004		9.6000e-004	9.6000e-004	0.0000	13.6873	13.6873	2.6000e-004	2.5000e-004	13.7687
NaturalGas Unmitigated	1.3800e-003	0.0126	0.0106	8.0000e-005		9.6000e-004	9.6000e-004		9.6000e-004	9.6000e-004	0.0000	13.6873	13.6873	2.6000e-004	2.5000e-004	13.7687

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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					
Unrefrigerated Warehouse-No Rail	256490	1.3800e-003	0.0126	0.0106	8.0000e-005		9.6000e-004	9.6000e-004		9.6000e-004	9.6000e-004	0.0000	13.6873	13.6873	2.6000e-004	2.5000e-004	13.7687
<b>Total</b>		<b>1.3800e-003</b>	<b>0.0126</b>	<b>0.0106</b>	<b>8.0000e-005</b>		<b>9.6000e-004</b>	<b>9.6000e-004</b>		<b>9.6000e-004</b>	<b>9.6000e-004</b>	<b>0.0000</b>	<b>13.6873</b>	<b>13.6873</b>	<b>2.6000e-004</b>	<b>2.5000e-004</b>	<b>13.7687</b>

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Unrefrigerated Warehouse-No Rail	256490	1.3800e-003	0.0126	0.0106	8.0000e-005		9.6000e-004	9.6000e-004		9.6000e-004	9.6000e-004	0.0000	13.6873	13.6873	2.6000e-004	2.5000e-004	13.7687
<b>Total</b>		<b>1.3800e-003</b>	<b>0.0126</b>	<b>0.0106</b>	<b>8.0000e-005</b>		<b>9.6000e-004</b>	<b>9.6000e-004</b>		<b>9.6000e-004</b>	<b>9.6000e-004</b>	<b>0.0000</b>	<b>13.6873</b>	<b>13.6873</b>	<b>2.6000e-004</b>	<b>2.5000e-004</b>	<b>13.7687</b>

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**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Unrefrigerated Warehouse-No Rail	298186	95.0085	3.9200e-003	8.1000e-004	95.3483
<b>Total</b>		<b>95.0085</b>	<b>3.9200e-003</b>	<b>8.1000e-004</b>	<b>95.3483</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Unrefrigerated Warehouse-No Rail	298186	95.0085	3.9200e-003	8.1000e-004	95.3483
<b>Total</b>		<b>95.0085</b>	<b>3.9200e-003</b>	<b>8.1000e-004</b>	<b>95.3483</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

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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	0.4860	1.0000e-005	1.6200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.1400e-003	3.1400e-003	1.0000e-005	0.0000	3.3400e-003
Unmitigated	0.4860	1.0000e-005	1.6200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.1400e-003	3.1400e-003	1.0000e-005	0.0000	3.3400e-003

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	0.0293					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4566					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.5000e-004	1.0000e-005	1.6200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.1400e-003	3.1400e-003	1.0000e-005	0.0000	3.3400e-003
<b>Total</b>	<b>0.4860</b>	<b>1.0000e-005</b>	<b>1.6200e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>3.1400e-003</b>	<b>3.1400e-003</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>3.3400e-003</b>

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**6.2 Area by SubCategory**

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0293					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4566					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.5000e-004	1.0000e-005	1.6200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.1400e-003	3.1400e-003	1.0000e-005	0.0000	3.3400e-003
<b>Total</b>	<b>0.4860</b>	<b>1.0000e-005</b>	<b>1.6200e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>3.1400e-003</b>	<b>3.1400e-003</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>3.3400e-003</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	130.4902	0.9571	0.0235	161.4252
Unmitigated	130.4902	0.9571	0.0235	161.4252

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Unrefrigerated Warehouse-No Rail	29.2184 / 0	130.4902	0.9571	0.0235	161.4252
<b>Total</b>		<b>130.4902</b>	<b>0.9571</b>	<b>0.0235</b>	<b>161.4252</b>

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**7.2 Water by Land Use**

**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Unrefrigerated Warehouse-No Rail	29.2184 / 0	130.4902	0.9571	0.0235	161.4252
<b>Total</b>		<b>130.4902</b>	<b>0.9571</b>	<b>0.0235</b>	<b>161.4252</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	24.1092	1.4248	0.0000	59.7296
Unmitigated	24.1092	1.4248	0.0000	59.7296



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**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Unrefrigerated Warehouse-No Rail	118.77	24.1092	1.4248	0.0000	59.7296
<b>Total</b>		<b>24.1092</b>	<b>1.4248</b>	<b>0.0000</b>	<b>59.7296</b>

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Unrefrigerated Warehouse-No Rail	118.77	24.1092	1.4248	0.0000	59.7296
<b>Total</b>		<b>24.1092</b>	<b>1.4248</b>	<b>0.0000</b>	<b>59.7296</b>

**9.0 Operational Offroad**

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

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**Fire Pumps and Emergency Generators**

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

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

Equipment Type	Number
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**11.0 Vegetation**

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