

# ***Ldn Consulting, Inc.***

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February 19, 2020

Patrick Tritz  
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## **RE: Latitude Business Park Development Project Greenhouse Gas (GHG) Letter**

The purpose of this Greenhouse Gas (GHG) letter is to identify any impacts, if any, which may be created from the construction and operation of the proposed Latitude Business Park industrial/warehousing development. The proposed Project consists of developing multiple industrial/manufacturing/warehousing buildings totaling 379,830 Square Feet (SF) of industrial usage and 159,740 SF of manufacturing usage and 535,210 SF industrial offices within a 66-acre project site. The Project site is located on the west side of Temescal Canyon Road, between La Gloria Street Road and Tom Barnes Street, in the City of Corona, California. Project access will be provided via multiple points along Tom Barnes Street.

The project would start construction in early 2020 and would be completed roughly 18 months after permits are issued and would be fully occupied in 2022.

GHG emissions from daily operations which would include sources such as Area, Energy, Mobile, Waste and Water uses. Area Sources include usage of consumer products, landscaping and architectural coatings as part of regular maintenance. Energy sources would be from uses such as electricity and natural gas. Solid waste generated in the form of trash is also considered as decomposition of organic material breaks down to form GHGs. GHGs from water are also indirectly generated through the conveyance of the resource via pumping throughout the state and as necessary for wastewater treatment. Finally, the project would also generate air quality emissions and GHG through the use of carbon fuel burning vehicles for transportation.

GHG impacts related to construction and daily operations were calculated using the latest CalEEMod 2016.3.2 air quality and GHG model, which was developed by Breeze Software for South Coast Air Quality Management District (SCAQMD) in 2017. The City of Corona recognizes the CalEEMod Version 2016.3.2 as an acceptable model for projects of this nature.

The City of Corona guidelines for determining significance for GHGs under CEQA are identified in the CEQA Thresholds and Screening Tables prepared for the City of Corona by ATKINS in 2012. The CEQA thresholds give initial guidance for determining significance and also offer methodologies for screening out proposed land use developments. The document recommends completing a screening checklist or direct calculations for larger projects. The City has also indicated that small projects could alternatively demonstrate that the emissions for the development would not exceed a 3,000 MT for residential and mixed use projects and up to 10,000 MT for industrial projects per SCAQMD GHG screening thresholds (SCAQMD, 2008). Should emissions exceed these thresholds, projects would be required to demonstrate compliance with the City's Climate Action Plan (CAP) by indicating how the project would achieve 100 points based on the City's Screening Checklist guidance shown below (Atkins, 2012). This demonstration would equally screen out the project with respect to CEQA.

*"The City will implement the reduction measures for new development during the CEQA review, through the use of a City GHG Significance Threshold document based upon the CAP. The City GHG Significance Threshold document will provide guidance for the analysis of discretionary development projects and divide projects into two broad categories based upon the CEQA review they are going through. For smaller projects, that through mitigation can support a Mitigated Negative Declaration (MND), a screening table will be developed. The screening table will provide a menu of reduction options. If a project can garnish 100 points from the screening table, the mitigated project will implement pertinent reduction measures such that it meets the reduction goals of the CAP and a less-than significant finding can be made for the project. The menu of options in the screening table is tied to the R2 Measures in the CAP such that 100 points will meet the emission reductions associated with the R2 Measures. This menu allows for maximum flexibility for projects to meet their reduction allocation.*

*Screening tables may also be used if an EIR is the appropriate CEQA clearance document. For larger projects that exceed the maximum size by land use in the top tier of the screening table, a more detailed analysis will need to be done. The City GHG Significance Threshold document will describe the methodology of quantifying and analyzing GHG emissions. The analysis for larger projects will need to quantify project-generated GHG emissions, compare project design features with the R2 Measures in the C-CAP, if required, provide mitigation such that the project is consistent with all relevant R2 Measures, and quantify the reduced (mitigated) GHG emissions attributable to the project. If a large project is consistent with all the relevant R2 Measures, then a less-than-significant GHG impact finding can be made for the project. The methodology discussed above and described in more detail in the forthcoming City GHG Significance Threshold document will be consistent with the analysis and quantification methodology used in the C-CAP."*

## Project Related Construction Emissions

The Construction of the project would be within a 66 Acre project site. The proposed construction schedule and construction equipment list is identified in Table 1.

**Table 1: Proposed Construction Phase and Duration**

Equipment Identification	Proposed Start	Proposed Completion	Quantity
<b>Site Preparation</b>	01/01/2020	01/14/2020	
Rubber Tired Dozers			3
Tractors/Loaders/Backhoes			4
<b>Grading</b>	01/15/2020	02/25/2020	
Excavators			2
Graders			1
Rubber Tired Dozers			1
Scrapers			2
Tractors/Loaders/Backhoes			2
<b>Paving</b>	02/26/2020	03/24/2020	
Pavers			2
Paving Equipment			2
Rollers			2
<b>Building Construction</b>	03/25/2020	05/18/2021	
Cranes			1
Forklifts			3
Generator Sets			1
Tractors/Loaders/Backhoes			3
Welders			1
<b>Architectural Coating</b>	08/12/2020	05/18/2021	
Air Compressors			1
This equipment list is based upon equipment inventory and estimates within CalEEMod 2016.3.2.			

The CalEEMod 2016.3.2 model was utilized to determine annual CO<sub>2</sub> emissions for the proposed construction years. The construction emissions as calculated in CalEEMod are reported in Metric Tons and are shown in Table 2. It should be noted that GHGs are analyzed on a Metric Ton per year (MT/year) which is why Annual emissions are estimated. Based upon the findings for the proposed industrial project, construction activities would not be expected to exceed the 10,000

MT industrial threshold any given construction year. Therefore, the construction emissions would be considered less than significant.

**Table 2: Expected Annual Construction CO<sub>2</sub> Emissions Summary - MT/Year**

Year	Bio-CO <sub>2</sub>	NBio-CO <sub>2</sub>	Total CO <sub>2</sub>	CH <sub>4</sub>	N <sub>2</sub> O	CO <sub>2</sub> e
2020	0.00	2,080.34	2,080.34	0.18	0.00	2,084.74
2021	0.00	1,973.37	1,973.37	0.13	0.00	1,976.68

Expected Construction emissions are based upon CalEEMod modeling assumptions for equipment and durations listed in Table 1 above.  
 CalEEMod annual output is attached to this letter.

**Project Related Operational Emissions**

As previously discussed, emissions generated from Area, Energy, Mobile, Solid Waste and Water uses is also calculated within CalEEMod. The program is largely based on default settings which are automatically populated throughout the model based on the imputed land use. Statewide averages for utility emissions were utilized for the calculations throughout the model. The calculated operational emissions are identified in Table 3 and the CalEEMod outputs are shown in **Attachment A** to this letter.

**Table 3: Expected Operational Emissions Summary - MT/Year**

Year	Bio-CO <sub>2</sub>	NBio-CO <sub>2</sub>	Total CO <sub>2</sub>	CH <sub>4</sub>	N <sub>2</sub> O	CO <sub>2</sub> e
Area	0.00	0.08	0.08	0.00	0.00	0.09
Energy	0.00	1,930.08	1,930.08	0.06	0.02	1,938.97
Mobile	0.00	4,755.94	4,755.94	0.23	0.00	4,761.64
Waste	178.45	0.00	178.45	10.55	0.00	442.11
Water	78.85	787.29	866.14	8.13	0.20	1,128.59
<b>Total Operations</b>	<b>257.30</b>	<b>7,473.40</b>	<b>7,730.70</b>	<b>18.97</b>	<b>0.22</b>	<b>8,271.40</b>

Expected Construction emissions are based upon CalEEMod 2016.3.2 modeling assumptions for equipment and durations listed in Table 1 above.  
 CalEEMod annual output is attached to this letter.  
 Data is presented in decimal format and may have rounding errors.

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It should be noted that the GHG model includes the project estimated vehicular trips (3,167 daily trips) which were broken down within the project traffic study (LL&G Engineers, November 2019). Additionally, the model was updated to reflect the estimated weekday Vehicle Miles Traveled (VMT) expected by the project (PEER, 2019) with a yearly estimate of 10,802,025 VMT which would be expected based on the 3,167 trips identified the Supplemental Traffic study.

Based upon the operations emissions as calculated by CalEEMod, the operational annual emissions were found to be less than the general 10,000 MT screening threshold for industrial projects and would therefore comply with the City's GHG policies under the CAP without mitigation. Based on this, the project would not be required to implement GHG design features beyond those required by local state and City regulations. Based on this, the project would be considered less than significant for GHG emissions. If you have any questions, please do not hesitate to contact me directly at (760) 473-1253.

**Sincerely,**  
Ldn Consulting, Inc.



Jeremy Loudon

**Sources:**

Atkins. (2012). *City of Corona - Climate Action Plan - Environmental Impact Report*. Corona.

LL&G Engineers. (November 2019). *General Plan Conformance Traffic Analysis for the Proposed Latitude Business Park Project*.

PEER, F. (2019). *Latitude Business Park Project Vehicle Miles Traveled Assessment*.

SCAQMD. (2008). *Interim CEQA GHG Significance Threshold for Stationary Sources, Rules and Plans*. Retrieved from [http://www.aqmd.gov/docs/default-source/ceqa/handbook/greenhouse-gases-\(ghg\)-ceqa-significance-thresholds/ghgboardsynopsis.pdf?sfvrsn=2](http://www.aqmd.gov/docs/default-source/ceqa/handbook/greenhouse-gases-(ghg)-ceqa-significance-thresholds/ghgboardsynopsis.pdf?sfvrsn=2)

**Attachment A: CalEEMod Model Results**

## Latitude Business Park - South Coast Air Basin, Annual

**Latitude Business Park**  
**South Coast Air Basin, Annual**

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

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	205.77	1000sqft	10.50	205,770.00	0
Industrial Park	174.06	1000sqft	10.50	174,060.00	0
Manufacturing	159.74	1000sqft	10.50	159,740.00	0
Unrefrigerated Warehouse-No Rail	535.21	1000sqft	10.50	535,205.00	0
Parking Lot	2,247.00	Space	24.00	898,800.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	31
<b>Climate Zone</b>	10			<b>Operational Year</b>	2022
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	536.32	<b>CH4 Intensity (lb/MW hr)</b>	0.022	<b>N2O Intensity (lb/MW hr)</b>	0.005

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

Latitude Business Park - South Coast Air Basin, Annual

Project Characteristics - RPS 2022 included

Land Use - site ac

Construction Phase - CS

Trips and VMT -

Architectural Coating -

Vehicle Trips - Default

Area Coating - sf

Energy Use -

Water And Wastewater -

Solid Waste -

Construction Off-road Equipment Mitigation - Tier 4

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Fleet Mix - adjusted to fit TS... General Industrial, Industrial Park set to default as TS doesn't estimate

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00

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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	40.00	10.00
tblConstructionPhase	NumDays	110.00	30.00
tblConstructionPhase	NumDays	75.00	20.00
tblConstructionPhase	NumDays	1,110.00	400.00
tblConstructionPhase	NumDays	75.00	300.00
tblFleetMix	HHD	0.03	0.01
tblFleetMix	HHD	0.03	0.09
tblFleetMix	HHD	0.03	0.01
tblFleetMix	HHD	0.03	0.09
tblFleetMix	LDT2	0.20	0.24
tblFleetMix	LDT2	0.20	0.08



## Latitude Business Park - South Coast Air Basin, Annual

tblFleetMix	LDT2	0.20	0.24
tblFleetMix	LDT2	0.20	0.08
tblFleetMix	LHD2	5.8630e-003	2.5000e-003
tblFleetMix	LHD2	5.8630e-003	0.05
tblFleetMix	LHD2	5.8630e-003	2.5000e-003
tblFleetMix	LHD2	5.8630e-003	0.05
tblFleetMix	MHD	0.02	5.0000e-003
tblFleetMix	MHD	0.02	0.04
tblFleetMix	MHD	0.02	5.0000e-003
tblFleetMix	MHD	0.02	0.04
tblLandUse	LandUseSquareFeet	535,210.00	535,205.00
tblLandUse	LotAcreage	4.72	10.50
tblLandUse	LotAcreage	4.00	10.50
tblLandUse	LotAcreage	3.67	10.50
tblLandUse	LotAcreage	12.29	10.50
tblLandUse	LotAcreage	20.22	24.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.022
tblProjectCharacteristics	CO2IntensityFactor	702.44	536.32
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblVehicleTrips	CW_TL	16.60	19.02
tblVehicleTrips	CW_TL	16.60	19.02
tblVehicleTrips	CW_TL	16.60	19.02
tblVehicleTrips	CW_TL	16.60	19.02
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	2.49	0.00
tblVehicleTrips	ST_TR	1.49	0.00
tblVehicleTrips	ST_TR	1.68	0.00

## Latitude Business Park - South Coast Air Basin, Annual

tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	0.73	0.00
tblVehicleTrips	SU_TR	0.62	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	6.97	4.96
tblVehicleTrips	WD_TR	6.83	3.37
tblVehicleTrips	WD_TR	3.82	3.93
tblVehicleTrips	WD_TR	1.68	1.74

## 2.0 Emissions Summary

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Latitude Business Park - South Coast Air Basin, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2020	3-31-2020	1.4005	0.2356
2	4-1-2020	6-30-2020	2.0355	1.4263
3	7-1-2020	9-30-2020	2.7224	2.0750
4	10-1-2020	12-31-2020	3.3063	2.6324
5	1-1-2021	3-31-2021	3.0378	2.4477
6	4-1-2021	6-30-2021	3.0499	2.4533
7	7-1-2021	9-30-2021	3.0835	2.4803
		Highest	3.3063	2.6324

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	4.4564	3.9000e-004	0.0425	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	0.0824	0.0824	2.2000e-004	0.0000	0.0879
Energy	0.0732	0.6650	0.5586	3.9900e-003		0.0505	0.0505		0.0505	0.0505	0.0000	2,413.3542	2,413.3542	0.0832	0.0290	2,424.0822
Mobile	0.8153	6.0530	12.0934	0.0512	4.1297	0.0423	4.1720	1.1094	0.0397	1.1491	0.0000	4,755.9449	4,755.9449	0.2277	0.0000	4,761.6363
Waste						0.0000	0.0000		0.0000	0.0000	237.9379	0.0000	237.9379	14.0617	0.0000	589.4810
Water						0.0000	0.0000		0.0000	0.0000	78.8512	787.2912	866.1424	8.1311	0.1986	1,128.5927
<b>Total</b>	<b>5.3449</b>	<b>6.7184</b>	<b>12.6945</b>	<b>0.0552</b>	<b>4.1297</b>	<b>0.0930</b>	<b>4.2227</b>	<b>1.1094</b>	<b>0.0903</b>	<b>1.1998</b>	<b>316.7891</b>	<b>7,956.6727</b>	<b>8,273.4618</b>	<b>22.5039</b>	<b>0.2276</b>	<b>8,903.8802</b>

Latitude Business Park - South Coast Air Basin, 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	4.4564	3.9000e-004	0.0425	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	0.0824	0.0824	2.2000e-004	0.0000	0.0879
Energy	0.0732	0.6650	0.5586	3.9900e-003		0.0505	0.0505		0.0505	0.0505	0.0000	1,930.0775	1,930.0775	0.0634	0.0245	1,938.9673
Mobile	0.8153	6.0530	12.0934	0.0512	4.1297	0.0423	4.1720	1.1094	0.0397	1.1491	0.0000	4,755.9449	4,755.9449	0.2277	0.0000	4,761.6363
Waste						0.0000	0.0000		0.0000	0.0000	178.4534	0.0000	178.4534	10.5463	0.0000	442.1108
Water						0.0000	0.0000		0.0000	0.0000	78.8512	787.2912	866.1424	8.1311	0.1986	1,128.5927
<b>Total</b>	<b>5.3449</b>	<b>6.7184</b>	<b>12.6945</b>	<b>0.0552</b>	<b>4.1297</b>	<b>0.0930</b>	<b>4.2227</b>	<b>1.1094</b>	<b>0.0903</b>	<b>1.1998</b>	<b>257.3046</b>	<b>7,473.3960</b>	<b>7,730.7006</b>	<b>18.9686</b>	<b>0.2231</b>	<b>8,271.3950</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>18.78</b>	<b>6.07</b>	<b>6.56</b>	<b>15.71</b>	<b>1.98</b>	<b>7.10</b>

**3.0 Construction Detail**

**Construction Phase**

Latitude Business Park - South Coast Air Basin, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2020	1/14/2020	5	10	
2	Grading	Grading	1/15/2020	2/25/2020	5	30	
3	Paving	Paving	2/26/2020	3/24/2020	5	20	
4	Building Construction	Building Construction	3/25/2020	10/5/2021	5	400	
5	Architectural Coating	Architectural Coating	8/12/2020	10/5/2021	5	300	

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

**Acres of Grading (Grading Phase): 75**

**Acres of Paving: 24**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,612,163; Non-Residential Outdoor: 537,388; Striped Parking Area: 53,928 (Architectural Coating – sqft)**

**OffRoad Equipment**

Latitude Business Park - South Coast Air Basin, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
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
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	829.00	323.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	166.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Latitude Business Park - South Coast Air Basin, Annual

**3.1 Mitigation Measures Construction**

Use Cleaner Engines for Construction Equipment

**3.2 Site Preparation - 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					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0204	0.2121	0.1076	1.9000e-004		0.0110	0.0110		0.0101	0.0101	0.0000	16.7153	16.7153	5.4100e-003	0.0000	16.8505
<b>Total</b>	<b>0.0204</b>	<b>0.2121</b>	<b>0.1076</b>	<b>1.9000e-004</b>	<b>0.0903</b>	<b>0.0110</b>	<b>0.1013</b>	<b>0.0497</b>	<b>0.0101</b>	<b>0.0598</b>	<b>0.0000</b>	<b>16.7153</b>	<b>16.7153</b>	<b>5.4100e-003</b>	<b>0.0000</b>	<b>16.8505</b>



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**3.2 Site Preparation - 2020**

**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	3.1000e-004	3.4100e-003	1.0000e-005	9.9000e-004	1.0000e-005	1.0000e-003	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.8898	0.8898	3.0000e-005	0.0000	0.8904
<b>Total</b>	<b>4.0000e-004</b>	<b>3.1000e-004</b>	<b>3.4100e-003</b>	<b>1.0000e-005</b>	<b>9.9000e-004</b>	<b>1.0000e-005</b>	<b>1.0000e-003</b>	<b>2.6000e-004</b>	<b>1.0000e-005</b>	<b>2.7000e-004</b>	<b>0.0000</b>	<b>0.8898</b>	<b>0.8898</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.8904</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.3300e-003	0.0101	0.1043	1.9000e-004		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004	0.0000	16.7153	16.7153	5.4100e-003	0.0000	16.8505
<b>Total</b>	<b>2.3300e-003</b>	<b>0.0101</b>	<b>0.1043</b>	<b>1.9000e-004</b>	<b>0.0903</b>	<b>3.1000e-004</b>	<b>0.0906</b>	<b>0.0497</b>	<b>3.1000e-004</b>	<b>0.0500</b>	<b>0.0000</b>	<b>16.7153</b>	<b>16.7153</b>	<b>5.4100e-003</b>	<b>0.0000</b>	<b>16.8505</b>

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**3.2 Site Preparation - 2020**

**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	4.0000e-004	3.1000e-004	3.4100e-003	1.0000e-005	9.9000e-004	1.0000e-005	1.0000e-003	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.8898	0.8898	3.0000e-005	0.0000	0.8904
<b>Total</b>	<b>4.0000e-004</b>	<b>3.1000e-004</b>	<b>3.4100e-003</b>	<b>1.0000e-005</b>	<b>9.9000e-004</b>	<b>1.0000e-005</b>	<b>1.0000e-003</b>	<b>2.6000e-004</b>	<b>1.0000e-005</b>	<b>2.7000e-004</b>	<b>0.0000</b>	<b>0.8898</b>	<b>0.8898</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.8904</b>

**3.3 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					0.1301	0.0000	0.1301	0.0540	0.0000	0.0540	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0668	0.7530	0.4794	9.3000e-004		0.0326	0.0326		0.0300	0.0300	0.0000	81.7264	81.7264	0.0264	0.0000	82.3872
<b>Total</b>	<b>0.0668</b>	<b>0.7530</b>	<b>0.4794</b>	<b>9.3000e-004</b>	<b>0.1301</b>	<b>0.0326</b>	<b>0.1627</b>	<b>0.0540</b>	<b>0.0300</b>	<b>0.0840</b>	<b>0.0000</b>	<b>81.7264</b>	<b>81.7264</b>	<b>0.0264</b>	<b>0.0000</b>	<b>82.3872</b>

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**3.3 Grading - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3400e-003	1.0300e-003	0.0114	3.0000e-005	3.2900e-003	3.0000e-005	3.3200e-003	8.7000e-004	2.0000e-005	9.0000e-004	0.0000	2.9659	2.9659	9.0000e-005	0.0000	2.9680
<b>Total</b>	<b>1.3400e-003</b>	<b>1.0300e-003</b>	<b>0.0114</b>	<b>3.0000e-005</b>	<b>3.2900e-003</b>	<b>3.0000e-005</b>	<b>3.3200e-003</b>	<b>8.7000e-004</b>	<b>2.0000e-005</b>	<b>9.0000e-004</b>	<b>0.0000</b>	<b>2.9659</b>	<b>2.9659</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>2.9680</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1301	0.0000	0.1301	0.0540	0.0000	0.0540	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0114	0.0495	0.4950	9.3000e-004		1.5200e-003	1.5200e-003		1.5200e-003	1.5200e-003	0.0000	81.7263	81.7263	0.0264	0.0000	82.3871
<b>Total</b>	<b>0.0114</b>	<b>0.0495</b>	<b>0.4950</b>	<b>9.3000e-004</b>	<b>0.1301</b>	<b>1.5200e-003</b>	<b>0.1316</b>	<b>0.0540</b>	<b>1.5200e-003</b>	<b>0.0555</b>	<b>0.0000</b>	<b>81.7263</b>	<b>81.7263</b>	<b>0.0264</b>	<b>0.0000</b>	<b>82.3871</b>

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**3.3 Grading - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3400e-003	1.0300e-003	0.0114	3.0000e-005	3.2900e-003	3.0000e-005	3.3200e-003	8.7000e-004	2.0000e-005	9.0000e-004	0.0000	2.9659	2.9659	9.0000e-005	0.0000	2.9680
<b>Total</b>	<b>1.3400e-003</b>	<b>1.0300e-003</b>	<b>0.0114</b>	<b>3.0000e-005</b>	<b>3.2900e-003</b>	<b>3.0000e-005</b>	<b>3.3200e-003</b>	<b>8.7000e-004</b>	<b>2.0000e-005</b>	<b>9.0000e-004</b>	<b>0.0000</b>	<b>2.9659</b>	<b>2.9659</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>2.9680</b>

**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	0.0136	0.1407	0.1465	2.3000e-004		7.5300e-003	7.5300e-003		6.9300e-003	6.9300e-003	0.0000	20.0282	20.0282	6.4800e-003	0.0000	20.1902
Paving	0.0314					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0450</b>	<b>0.1407</b>	<b>0.1465</b>	<b>2.3000e-004</b>		<b>7.5300e-003</b>	<b>7.5300e-003</b>		<b>6.9300e-003</b>	<b>6.9300e-003</b>	<b>0.0000</b>	<b>20.0282</b>	<b>20.0282</b>	<b>6.4800e-003</b>	<b>0.0000</b>	<b>20.1902</b>

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**3.4 Paving - 2020**

**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	6.7000e-004	5.1000e-004	5.6900e-003	2.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4829	1.4829	4.0000e-005	0.0000	1.4840
<b>Total</b>	<b>6.7000e-004</b>	<b>5.1000e-004</b>	<b>5.6900e-003</b>	<b>2.0000e-005</b>	<b>1.6500e-003</b>	<b>1.0000e-005</b>	<b>1.6600e-003</b>	<b>4.4000e-004</b>	<b>1.0000e-005</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>1.4829</b>	<b>1.4829</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>1.4840</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.8000e-003	0.0122	0.1730	2.3000e-004		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004	0.0000	20.0282	20.0282	6.4800e-003	0.0000	20.1901
Paving	0.0314					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0342</b>	<b>0.0122</b>	<b>0.1730</b>	<b>2.3000e-004</b>		<b>3.7000e-004</b>	<b>3.7000e-004</b>		<b>3.7000e-004</b>	<b>3.7000e-004</b>	<b>0.0000</b>	<b>20.0282</b>	<b>20.0282</b>	<b>6.4800e-003</b>	<b>0.0000</b>	<b>20.1901</b>

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**3.4 Paving - 2020**

**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	6.7000e-004	5.1000e-004	5.6900e-003	2.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4829	1.4829	4.0000e-005	0.0000	1.4840
<b>Total</b>	<b>6.7000e-004</b>	<b>5.1000e-004</b>	<b>5.6900e-003</b>	<b>2.0000e-005</b>	<b>1.6500e-003</b>	<b>1.0000e-005</b>	<b>1.6600e-003</b>	<b>4.4000e-004</b>	<b>1.0000e-005</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>1.4829</b>	<b>1.4829</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>1.4840</b>

**3.5 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	0.2141	1.9378	1.7017	2.7200e-003		0.1128	0.1128		0.1061	0.1061	0.0000	233.9261	233.9261	0.0571	0.0000	235.3528
<b>Total</b>	<b>0.2141</b>	<b>1.9378</b>	<b>1.7017</b>	<b>2.7200e-003</b>		<b>0.1128</b>	<b>0.1128</b>		<b>0.1061</b>	<b>0.1061</b>	<b>0.0000</b>	<b>233.9261</b>	<b>233.9261</b>	<b>0.0571</b>	<b>0.0000</b>	<b>235.3528</b>

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**3.5 Building Construction - 2020**

**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	0.1104	3.4981	0.8821	8.2300e-003	0.2056	0.0171	0.2227	0.0593	0.0164	0.0757	0.0000	798.1130	798.1130	0.0533	0.0000	799.4446
Worker	0.3727	0.2869	3.1765	9.1600e-003	0.9186	7.1400e-003	0.9258	0.2440	6.5800e-003	0.2505	0.0000	827.7696	827.7696	0.0238	0.0000	828.3655
<b>Total</b>	<b>0.4831</b>	<b>3.7850</b>	<b>4.0585</b>	<b>0.0174</b>	<b>1.1242</b>	<b>0.0243</b>	<b>1.1485</b>	<b>0.3033</b>	<b>0.0230</b>	<b>0.3262</b>	<b>0.0000</b>	<b>1,625.8826</b>	<b>1,625.8826</b>	<b>0.0771</b>	<b>0.0000</b>	<b>1,627.8100</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0331	0.2257	1.7635	2.7200e-003		4.1200e-003	4.1200e-003		4.1200e-003	4.1200e-003	0.0000	233.9258	233.9258	0.0571	0.0000	235.3526
<b>Total</b>	<b>0.0331</b>	<b>0.2257</b>	<b>1.7635</b>	<b>2.7200e-003</b>		<b>4.1200e-003</b>	<b>4.1200e-003</b>		<b>4.1200e-003</b>	<b>4.1200e-003</b>	<b>0.0000</b>	<b>233.9258</b>	<b>233.9258</b>	<b>0.0571</b>	<b>0.0000</b>	<b>235.3526</b>

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**3.5 Building Construction - 2020**

**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	0.1104	3.4981	0.8821	8.2300e-003	0.2056	0.0171	0.2227	0.0593	0.0164	0.0757	0.0000	798.1130	798.1130	0.0533	0.0000	799.4446
Worker	0.3727	0.2869	3.1765	9.1600e-003	0.9186	7.1400e-003	0.9258	0.2440	6.5800e-003	0.2505	0.0000	827.7696	827.7696	0.0238	0.0000	828.3655
<b>Total</b>	<b>0.4831</b>	<b>3.7850</b>	<b>4.0585</b>	<b>0.0174</b>	<b>1.1242</b>	<b>0.0243</b>	<b>1.1485</b>	<b>0.3033</b>	<b>0.0230</b>	<b>0.3262</b>	<b>0.0000</b>	<b>1,625.8826</b>	<b>1,625.8826</b>	<b>0.0771</b>	<b>0.0000</b>	<b>1,627.8100</b>

**3.5 Building Construction - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1882	1.7258	1.6409	2.6700e-003		0.0949	0.0949		0.0892	0.0892	0.0000	229.3209	229.3209	0.0553	0.0000	230.7040
<b>Total</b>	<b>0.1882</b>	<b>1.7258</b>	<b>1.6409</b>	<b>2.6700e-003</b>		<b>0.0949</b>	<b>0.0949</b>		<b>0.0892</b>	<b>0.0892</b>	<b>0.0000</b>	<b>229.3209</b>	<b>229.3209</b>	<b>0.0553</b>	<b>0.0000</b>	<b>230.7040</b>



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**3.5 Building Construction - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0919	3.1104	0.7861	8.0000e-003	0.2015	6.3400e-003	0.2079	0.0581	6.0600e-003	0.0642	0.0000	776.4226	776.4226	0.0501	0.0000	777.6739
Worker	0.3411	0.2532	2.8642	8.6800e-003	0.9004	6.7900e-003	0.9072	0.2391	6.2500e-003	0.2454	0.0000	785.1339	785.1339	0.0211	0.0000	785.6621
<b>Total</b>	<b>0.4330</b>	<b>3.3636</b>	<b>3.6503</b>	<b>0.0167</b>	<b>1.1020</b>	<b>0.0131</b>	<b>1.1151</b>	<b>0.2973</b>	<b>0.0123</b>	<b>0.3096</b>	<b>0.0000</b>	<b>1,561.5565</b>	<b>1,561.5565</b>	<b>0.0712</b>	<b>0.0000</b>	<b>1,563.3360</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0325	0.2212	1.7286	2.6700e-003		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003	0.0000	229.3206	229.3206	0.0553	0.0000	230.7038
<b>Total</b>	<b>0.0325</b>	<b>0.2212</b>	<b>1.7286</b>	<b>2.6700e-003</b>		<b>4.0400e-003</b>	<b>4.0400e-003</b>		<b>4.0400e-003</b>	<b>4.0400e-003</b>	<b>0.0000</b>	<b>229.3206</b>	<b>229.3206</b>	<b>0.0553</b>	<b>0.0000</b>	<b>230.7038</b>

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**3.5 Building Construction - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0919	3.1104	0.7861	8.0000e-003	0.2015	6.3400e-003	0.2079	0.0581	6.0600e-003	0.0642	0.0000	776.4226	776.4226	0.0501	0.0000	777.6739
Worker	0.3411	0.2532	2.8642	8.6800e-003	0.9004	6.7900e-003	0.9072	0.2391	6.2500e-003	0.2454	0.0000	785.1339	785.1339	0.0211	0.0000	785.6621
<b>Total</b>	<b>0.4330</b>	<b>3.3636</b>	<b>3.6503</b>	<b>0.0167</b>	<b>1.1020</b>	<b>0.0131</b>	<b>1.1151</b>	<b>0.2973</b>	<b>0.0123</b>	<b>0.3096</b>	<b>0.0000</b>	<b>1,561.5565</b>	<b>1,561.5565</b>	<b>0.0712</b>	<b>0.0000</b>	<b>1,563.3360</b>

**3.6 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	1.7362					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0124	0.0859	0.0934	1.5000e-004		5.6600e-003	5.6600e-003		5.6600e-003	5.6600e-003	0.0000	13.0216	13.0216	1.0100e-003	0.0000	13.0468
<b>Total</b>	<b>1.7486</b>	<b>0.0859</b>	<b>0.0934</b>	<b>1.5000e-004</b>		<b>5.6600e-003</b>	<b>5.6600e-003</b>		<b>5.6600e-003</b>	<b>5.6600e-003</b>	<b>0.0000</b>	<b>13.0216</b>	<b>13.0216</b>	<b>1.0100e-003</b>	<b>0.0000</b>	<b>13.0468</b>

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**3.6 Architectural Coating - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0377	0.0290	0.3212	9.3000e-004	0.0929	7.2000e-004	0.0936	0.0247	6.6000e-004	0.0253	0.0000	83.6974	83.6974	2.4100e-003	0.0000	83.7576
<b>Total</b>	<b>0.0377</b>	<b>0.0290</b>	<b>0.3212</b>	<b>9.3000e-004</b>	<b>0.0929</b>	<b>7.2000e-004</b>	<b>0.0936</b>	<b>0.0247</b>	<b>6.6000e-004</b>	<b>0.0253</b>	<b>0.0000</b>	<b>83.6974</b>	<b>83.6974</b>	<b>2.4100e-003</b>	<b>0.0000</b>	<b>83.7576</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.7362					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.5200e-003	6.5700e-003	0.0935	1.5000e-004		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	13.0216	13.0216	1.0100e-003	0.0000	13.0468
<b>Total</b>	<b>1.7378</b>	<b>6.5700e-003</b>	<b>0.0935</b>	<b>1.5000e-004</b>		<b>2.0000e-004</b>	<b>2.0000e-004</b>		<b>2.0000e-004</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>13.0216</b>	<b>13.0216</b>	<b>1.0100e-003</b>	<b>0.0000</b>	<b>13.0468</b>

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**3.6 Architectural Coating - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0377	0.0290	0.3212	9.3000e-004	0.0929	7.2000e-004	0.0936	0.0247	6.6000e-004	0.0253	0.0000	83.6974	83.6974	2.4100e-003	0.0000	83.7576
<b>Total</b>	<b>0.0377</b>	<b>0.0290</b>	<b>0.3212</b>	<b>9.3000e-004</b>	<b>0.0929</b>	<b>7.2000e-004</b>	<b>0.0936</b>	<b>0.0247</b>	<b>6.6000e-004</b>	<b>0.0253</b>	<b>0.0000</b>	<b>83.6974</b>	<b>83.6974</b>	<b>2.4100e-003</b>	<b>0.0000</b>	<b>83.7576</b>

**3.6 Architectural Coating - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.3703					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0217	0.1512	0.1799	2.9000e-004		9.3200e-003	9.3200e-003		9.3200e-003	9.3200e-003	0.0000	25.2772	25.2772	1.7300e-003	0.0000	25.3206
<b>Total</b>	<b>3.3920</b>	<b>0.1512</b>	<b>0.1799</b>	<b>2.9000e-004</b>		<b>9.3200e-003</b>	<b>9.3200e-003</b>		<b>9.3200e-003</b>	<b>9.3200e-003</b>	<b>0.0000</b>	<b>25.2772</b>	<b>25.2772</b>	<b>1.7300e-003</b>	<b>0.0000</b>	<b>25.3206</b>

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**3.6 Architectural Coating - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0683	0.0507	0.5735	1.7400e-003	0.1803	1.3600e-003	0.1817	0.0479	1.2500e-003	0.0491	0.0000	157.2162	157.2162	4.2300e-003	0.0000	157.3220
<b>Total</b>	<b>0.0683</b>	<b>0.0507</b>	<b>0.5735</b>	<b>1.7400e-003</b>	<b>0.1803</b>	<b>1.3600e-003</b>	<b>0.1817</b>	<b>0.0479</b>	<b>1.2500e-003</b>	<b>0.0491</b>	<b>0.0000</b>	<b>157.2162</b>	<b>157.2162</b>	<b>4.2300e-003</b>	<b>0.0000</b>	<b>157.3220</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.3703					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9400e-003	0.0128	0.1814	2.9000e-004		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004	0.0000	25.2772	25.2772	1.7300e-003	0.0000	25.3206
<b>Total</b>	<b>3.3733</b>	<b>0.0128</b>	<b>0.1814</b>	<b>2.9000e-004</b>		<b>3.9000e-004</b>	<b>3.9000e-004</b>		<b>3.9000e-004</b>	<b>3.9000e-004</b>	<b>0.0000</b>	<b>25.2772</b>	<b>25.2772</b>	<b>1.7300e-003</b>	<b>0.0000</b>	<b>25.3206</b>

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**3.6 Architectural Coating - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0683	0.0507	0.5735	1.7400e-003	0.1803	1.3600e-003	0.1817	0.0479	1.2500e-003	0.0491	0.0000	157.2162	157.2162	4.2300e-003	0.0000	157.3220
<b>Total</b>	<b>0.0683</b>	<b>0.0507</b>	<b>0.5735</b>	<b>1.7400e-003</b>	<b>0.1803</b>	<b>1.3600e-003</b>	<b>0.1817</b>	<b>0.0479</b>	<b>1.2500e-003</b>	<b>0.0491</b>	<b>0.0000</b>	<b>157.2162</b>	<b>157.2162</b>	<b>4.2300e-003</b>	<b>0.0000</b>	<b>157.3220</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.8153	6.0530	12.0934	0.0512	4.1297	0.0423	4.1720	1.1094	0.0397	1.1491	0.0000	4,755.9449	4,755.9449	0.2277	0.0000	4,761.6363
Unmitigated	0.8153	6.0530	12.0934	0.0512	4.1297	0.0423	4.1720	1.1094	0.0397	1.1491	0.0000	4,755.9449	4,755.9449	0.2277	0.0000	4,761.6363

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	1,020.62	0.00	0.00	3,581,583	3,581,583
Industrial Park	586.58	0.00	0.00	1,848,635	1,848,635
Manufacturing	627.78	0.00	0.00	2,203,015	2,203,015
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	931.27	0.00	0.00	3,173,190	3,173,190
Total	3,166.25	0.00	0.00	10,806,424	10,806,424

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
General Light Industry	19.02	8.40	6.90	59.00	28.00	13.00	92	5	3
Industrial Park	19.02	8.40	6.90	59.00	28.00	13.00	79	19	2
Manufacturing	19.02	8.40	6.90	59.00	28.00	13.00	92	5	3
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	19.02	8.40	6.90	59.00	0.00	41.00	92	5	3

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**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.552111	0.043066	0.242894	0.118512	0.015605	0.002500	0.005000	0.010000	0.002087	0.001818	0.004803	0.000708	0.000896
Manufacturing	0.552111	0.043066	0.082491	0.118512	0.015605	0.049000	0.041000	0.087900	0.002087	0.001818	0.004803	0.000708	0.000896
Industrial Park	0.552111	0.043066	0.242894	0.118512	0.015605	0.002500	0.005000	0.010000	0.002087	0.001818	0.004803	0.000708	0.000896
Parking Lot	0.552111	0.043066	0.201891	0.118512	0.015605	0.005863	0.021387	0.031253	0.002087	0.001818	0.004803	0.000708	0.000896
Unrefrigerated Warehouse-No Rail	0.552111	0.043066	0.082491	0.118512	0.015605	0.049000	0.041000	0.087900	0.002087	0.001818	0.004803	0.000708	0.000896

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

Install High Efficiency Lighting

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,206.1508	1,206.1508	0.0495	0.0112	1,210.7387
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,689.4275	1,689.4275	0.0693	0.0158	1,695.8536
Natural Gas Mitigated	0.0732	0.6650	0.5586	3.9900e-003		0.0505	0.0505		0.0505	0.0505	0.0000	723.9267	723.9267	0.0139	0.0133	728.2287
Natural Gas Unmitigated	0.0732	0.6650	0.5586	3.9900e-003		0.0505	0.0505		0.0505	0.0505	0.0000	723.9267	723.9267	0.0139	0.0133	728.2287



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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					
General Light Industry	6.68547e+006	0.0361	0.3277	0.2753	1.9700e-003		0.0249	0.0249		0.0249	0.0249	0.0000	356.7620	356.7620	6.8400e-003	6.5400e-003	358.8821
Industrial Park	603988	3.2600e-003	0.0296	0.0249	1.8000e-004		2.2500e-003	2.2500e-003		2.2500e-003	2.2500e-003	0.0000	32.2311	32.2311	6.2000e-004	5.9000e-004	32.4226
Manufacturing	5.18995e+006	0.0280	0.2544	0.2137	1.5300e-003		0.0193	0.0193		0.0193	0.0193	0.0000	276.9556	276.9556	5.3100e-003	5.0800e-003	278.6014
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	1.08647e+006	5.8600e-003	0.0533	0.0447	3.2000e-004		4.0500e-003	4.0500e-003		4.0500e-003	4.0500e-003	0.0000	57.9780	57.9780	1.1100e-003	1.0600e-003	58.3225
<b>Total</b>		<b>0.0732</b>	<b>0.6650</b>	<b>0.5586</b>	<b>4.0000e-003</b>		<b>0.0506</b>	<b>0.0506</b>		<b>0.0506</b>	<b>0.0506</b>	<b>0.0000</b>	<b>723.9267</b>	<b>723.9267</b>	<b>0.0139</b>	<b>0.0133</b>	<b>728.2286</b>

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**5.2 Energy by Land Use - NaturalGas**

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	6.68547e+006	0.0361	0.3277	0.2753	1.9700e-003		0.0249	0.0249		0.0249	0.0249	0.0000	356.7620	356.7620	6.8400e-003	6.5400e-003	358.8821
Industrial Park	603988	3.2600e-003	0.0296	0.0249	1.8000e-004		2.2500e-003	2.2500e-003		2.2500e-003	2.2500e-003	0.0000	32.2311	32.2311	6.2000e-004	5.9000e-004	32.4226
Manufacturing	5.18995e+006	0.0280	0.2544	0.2137	1.5300e-003		0.0193	0.0193		0.0193	0.0193	0.0000	276.9556	276.9556	5.3100e-003	5.0800e-003	278.6014
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	1.08647e+006	5.8600e-003	0.0533	0.0447	3.2000e-004		4.0500e-003	4.0500e-003		4.0500e-003	4.0500e-003	0.0000	57.9780	57.9780	1.1100e-003	1.0600e-003	58.3225
<b>Total</b>		<b>0.0732</b>	<b>0.6650</b>	<b>0.5586</b>	<b>4.0000e-003</b>		<b>0.0506</b>	<b>0.0506</b>		<b>0.0506</b>	<b>0.0506</b>	<b>0.0000</b>	<b>723.9267</b>	<b>723.9267</b>	<b>0.0139</b>	<b>0.0133</b>	<b>728.2286</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			
General Light Industry	2.08857e+006	508.0867	0.0208	4.7400e-003	510.0193
Industrial Park	1.65705e+006	403.1119	0.0165	3.7600e-003	404.6453
Manufacturing	1.62136e+006	394.4296	0.0162	3.6800e-003	395.9299
Parking Lot	314580	76.5281	3.1400e-003	7.1000e-004	76.8192
Unrefrigerated Warehouse-No Rail	1.26308e+006	307.2712	0.0126	2.8600e-003	308.4400
<b>Total</b>		<b>1,689.4275</b>	<b>0.0693</b>	<b>0.0158</b>	<b>1,695.8536</b>

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**5.3 Energy by Land Use - Electricity****Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	1.63639e+006	398.0847	0.0163	3.7100e-003	399.5989
Industrial Park	1.17926e+006	286.8785	0.0118	2.6700e-003	287.9697
Manufacturing	1.27033e+006	309.0346	0.0127	2.8800e-003	310.2101
Parking Lot	78645	19.1320	7.8000e-004	1.8000e-004	19.2048
Unrefrigerated Warehouse-No Rail	793441	193.0210	7.9200e-003	1.8000e-003	193.7552
<b>Total</b>		<b>1,206.1508</b>	<b>0.0495</b>	<b>0.0112</b>	<b>1,210.7387</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	4.4564	3.9000e-004	0.0425	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	0.0824	0.0824	2.2000e-004	0.0000	0.0879
Unmitigated	4.4564	3.9000e-004	0.0425	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	0.0824	0.0824	2.2000e-004	0.0000	0.0879

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	0.5107					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.9418					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.9500e-003	3.9000e-004	0.0425	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	0.0824	0.0824	2.2000e-004	0.0000	0.0879
<b>Total</b>	<b>4.4564</b>	<b>3.9000e-004</b>	<b>0.0425</b>	<b>0.0000</b>		<b>1.5000e-004</b>	<b>1.5000e-004</b>		<b>1.5000e-004</b>	<b>1.5000e-004</b>	<b>0.0000</b>	<b>0.0824</b>	<b>0.0824</b>	<b>2.2000e-004</b>	<b>0.0000</b>	<b>0.0879</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	0.5107					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.9418					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.9500e-003	3.9000e-004	0.0425	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	0.0824	0.0824	2.2000e-004	0.0000	0.0879
<b>Total</b>	<b>4.4564</b>	<b>3.9000e-004</b>	<b>0.0425</b>	<b>0.0000</b>		<b>1.5000e-004</b>	<b>1.5000e-004</b>		<b>1.5000e-004</b>	<b>1.5000e-004</b>	<b>0.0000</b>	<b>0.0824</b>	<b>0.0824</b>	<b>2.2000e-004</b>	<b>0.0000</b>	<b>0.0879</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

Latitude Business Park - South Coast Air Basin, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	866.1424	8.1311	0.1986	1,128.5927
Unmitigated	866.1424	8.1311	0.1986	1,128.5927

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	47.5843 / 0	165.8257	1.5567	0.0380	216.0726
Industrial Park	40.2514 / 0	140.2713	1.3168	0.0322	182.7749
Manufacturing	36.9399 / 0	128.7311	1.2085	0.0295	167.7380
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	123.767 / 0	431.3144	4.0490	0.0989	562.0072
<b>Total</b>		<b>866.1424</b>	<b>8.1311</b>	<b>0.1986</b>	<b>1,128.5927</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			
General Light Industry	47.5843 / 0	165.8257	1.5567	0.0380	216.0726
Industrial Park	40.2514 / 0	140.2713	1.3168	0.0322	182.7749
Manufacturing	36.9399 / 0	128.7311	1.2085	0.0295	167.7380
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	123.767 / 0	431.3144	4.0490	0.0989	562.0072
<b>Total</b>		<b>866.1424</b>	<b>8.1311</b>	<b>0.1986</b>	<b>1,128.5927</b>

**8.0 Waste Detail****8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services



Latitude Business Park - South Coast Air Basin, Annual

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	178.4534	10.5463	0.0000	442.1108
Unmitigated	237.9379	14.0617	0.0000	589.4810

**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	255.15	51.7931	3.0609	0.0000	128.3153
Industrial Park	215.83	43.8115	2.5892	0.0000	108.5412
Manufacturing	198.08	40.2085	2.3763	0.0000	99.6147
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	503.1	102.1248	6.0354	0.0000	253.0098
<b>Total</b>		<b>237.9379</b>	<b>14.0617</b>	<b>0.0000</b>	<b>589.4810</b>

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**8.2 Waste by Land Use**

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	191.363	38.8449	2.2957	0.0000	96.2365
Industrial Park	161.873	32.8587	1.9419	0.0000	81.4059
Manufacturing	148.56	30.1563	1.7822	0.0000	74.7111
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	377.325	76.5936	4.5266	0.0000	189.7573
<b>Total</b>		<b>178.4534</b>	<b>10.5463</b>	<b>0.0000</b>	<b>442.1108</b>

**9.0 Operational Offroad**

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

**Fire Pumps and Emergency Generators**

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

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

Equipment Type	Number
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**11.0 Vegetation**

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