

1705 S. State College Blvd - South Coast Air Basin, Winter

1705 S. State College Blvd
South Coast Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	147.67	1000sqft	5.32	147,670.00	0
Parking Lot	45.00	Space	0.00	12,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	8			Operational Year	2021
Utility Company	Anaheim Public Utilities				
CO2 Intensity (lb/MW hr)	1047.47	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

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Project Characteristics - APUD Carbon Intensity Factor Latest Update

Land Use - Project Information From Site Plan

Construction Phase - Construction Information provided by applicant.

Off-road Equipment - Construction Information provided by applicant.

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Off-road Equipment - Construction Information provided by applicant.

Demolition - Data Provided by Applicant

Grading -

Trips and VMT - Construction Information provided by applicant.

Fleet Mix -

Consumer Products -

Area Coating -

Energy Use -

Construction Off-road Equipment Mitigation - SCAQMD RULE #403

Area Mitigation -

Vehicle Trips - Traffic Trip generation Report

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Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	10.00	5.00
tblConstructionPhase	NumDays	20.00	30.00
tblConstructionPhase	NumDays	230.00	140.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	25.00
tblLandUse	LandUseSquareFeet	18,000.00	12,000.00
tblLandUse	LotAcreage	3.39	5.32
tblLandUse	LotAcreage	0.41	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblProjectCharacteristics	CO2IntensityFactor	1543.28	1047.47
tblTripsAndVMT	HaulingTripNumber	100.00	40.00
tblVehicleTrips	ST_TR	1.32	0.86
tblVehicleTrips	SU_TR	0.68	0.86
tblVehicleTrips	WD_TR	6.97	0.86

2.0 Emissions Summary

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2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.3059	1.8000e-004	0.0198	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0422	0.0422	1.1000e-004		0.0450
Energy	0.0912	0.8290	0.6964	4.9700e-003		0.0630	0.0630		0.0630	0.0630		994.7794	994.7794	0.0191	0.0182	1,000.6909
Mobile	0.2541	1.3799	3.7124	0.0139	1.1952	0.0114	1.2066	0.3198	0.0107	0.3304		1,409.6369	1,409.6369	0.0682		1,411.3410
Total	3.6512	2.2090	4.4285	0.0188	1.1952	0.0745	1.2697	0.3198	0.0737	0.3935		2,404.4584	2,404.4584	0.0874	0.0182	2,412.0769

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.3059	1.8000e-004	0.0198	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0422	0.0422	1.1000e-004		0.0450
Energy	0.0912	0.8290	0.6964	4.9700e-003		0.0630	0.0630		0.0630	0.0630		994.7794	994.7794	0.0191	0.0182	1,000.6909
Mobile	0.2541	1.3799	3.7124	0.0139	1.1952	0.0114	1.2066	0.3198	0.0107	0.3304		1,409.6369	1,409.6369	0.0682		1,411.3410
Total	3.6512	2.2090	4.4285	0.0188	1.1952	0.0745	1.2697	0.3198	0.0737	0.3935		2,404.4584	2,404.4584	0.0874	0.0182	2,412.0769

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	8/31/2020	9/11/2020	5	10	
2	Site Preparation	Site Preparation	9/14/2020	9/18/2020	5	5	
3	Grading	Grading	9/21/2020	10/30/2020	5	30	
4	Building Construction	Building Construction	11/2/2020	5/14/2021	5	140	
5	Paving	Paving	5/17/2021	5/28/2021	5	10	
6	Architectural Coating	Architectural Coating	5/31/2021	7/2/2021	5	25	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 15

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 221,505; Non-Residential Outdoor: 73,835; Striped Parking Area: 720 (Architectural Coating – sqft)

OffRoad Equipment

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Excavators	1	8.00	158	0.38
Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Excavators	1	8.00	158	0.38
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Generator Sets	2	8.00	84	0.74
Building Construction	Rough Terrain Forklifts	2	8.00	100	0.40
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Rollers	1	8.00	80	0.38
Paving	Skid Steer Loaders	1	8.00	65	0.37
Architectural Coating	Air Compressors	2	8.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	2	5.00	0.00	40.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	1	3.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	4	67.00	26.00	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	2	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

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3.2 Demolition - 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					2.1656	0.0000	2.1656	0.3279	0.0000	0.3279			0.0000			0.0000
Off-Road	0.4545	4.5178	5.5475	8.2700e-003		0.2500	0.2500		0.2300	0.2300		800.8869	800.8869	0.2590		807.3625
Total	0.4545	4.5178	5.5475	8.2700e-003	2.1656	0.2500	2.4156	0.3279	0.2300	0.5579		800.8869	800.8869	0.2590		807.3625

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	0.0327	1.1291	0.2475	3.0500e-003	0.0699	3.6600e-003	0.0735	0.0191	3.5000e-003	0.0227		331.2051	331.2051	0.0248		331.8239
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	0.0247	0.0167	0.1848	5.4000e-004	0.0559	4.3000e-004	0.0563	0.0148	3.9000e-004	0.0152		53.6426	53.6426	1.5400e-003		53.6812
Total	0.0573	1.1457	0.4323	3.5900e-003	0.1258	4.0900e-003	0.1298	0.0340	3.8900e-003	0.0379		384.8476	384.8476	0.0263		385.5050

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3.2 Demolition - 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					0.8446	0.0000	0.8446	0.1279	0.0000	0.1279			0.0000			0.0000
Off-Road	0.4545	4.5178	5.5475	8.2700e-003		0.2500	0.2500		0.2300	0.2300	0.0000	800.8869	800.8869	0.2590		807.3625
Total	0.4545	4.5178	5.5475	8.2700e-003	0.8446	0.2500	1.0946	0.1279	0.2300	0.3579	0.0000	800.8869	800.8869	0.2590		807.3625

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	0.0327	1.1291	0.2475	3.0500e-003	0.0699	3.6600e-003	0.0735	0.0191	3.5000e-003	0.0227		331.2051	331.2051	0.0248		331.8239
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	0.0247	0.0167	0.1848	5.4000e-004	0.0559	4.3000e-004	0.0563	0.0148	3.9000e-004	0.0152		53.6426	53.6426	1.5400e-003		53.6812
Total	0.0573	1.1457	0.4323	3.5900e-003	0.1258	4.0900e-003	0.1298	0.0340	3.8900e-003	0.0379		384.8476	384.8476	0.0263		385.5050

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3.3 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	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2450	2.4126	3.2678	5.1700e-003		0.1169	0.1169		0.1075	0.1075		500.1184	500.1184	0.1618		504.1621
Total	0.2450	2.4126	3.2678	5.1700e-003	0.0000	0.1169	0.1169	0.0000	0.1075	0.1075		500.1184	500.1184	0.1618		504.1621

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	0.0148	9.9900e-003	0.1109	3.2000e-004	0.0335	2.6000e-004	0.0338	8.8900e-003	2.4000e-004	9.1300e-003		32.1855	32.1855	9.3000e-004		32.2087
Total	0.0148	9.9900e-003	0.1109	3.2000e-004	0.0335	2.6000e-004	0.0338	8.8900e-003	2.4000e-004	9.1300e-003		32.1855	32.1855	9.3000e-004		32.2087

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3.3 Site Preparation - 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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2450	2.4126	3.2678	5.1700e-003		0.1169	0.1169		0.1075	0.1075	0.0000	500.1184	500.1184	0.1618		504.1621
Total	0.2450	2.4126	3.2678	5.1700e-003	0.0000	0.1169	0.1169	0.0000	0.1075	0.1075	0.0000	500.1184	500.1184	0.1618		504.1621

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	0.0148	9.9900e-003	0.1109	3.2000e-004	0.0335	2.6000e-004	0.0338	8.8900e-003	2.4000e-004	9.1300e-003		32.1855	32.1855	9.3000e-004		32.2087
Total	0.0148	9.9900e-003	0.1109	3.2000e-004	0.0335	2.6000e-004	0.0338	8.8900e-003	2.4000e-004	9.1300e-003		32.1855	32.1855	9.3000e-004		32.2087

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3.4 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					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.9303	10.8433	7.3620	0.0149		0.4522	0.4522		0.4160	0.4160		1,443.6056	1,443.6056	0.4669		1,455.2779
Total	0.9303	10.8433	7.3620	0.0149	0.5303	0.4522	0.9825	0.0573	0.4160	0.4733		1,443.6056	1,443.6056	0.4669		1,455.2779

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	0.0395	0.0267	0.2957	8.6000e-004	0.0894	6.8000e-004	0.0901	0.0237	6.3000e-004	0.0243		85.8281	85.8281	2.4700e-003		85.8899
Total	0.0395	0.0267	0.2957	8.6000e-004	0.0894	6.8000e-004	0.0901	0.0237	6.3000e-004	0.0243		85.8281	85.8281	2.4700e-003		85.8899

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3.4 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					0.2068	0.0000	0.2068	0.0223	0.0000	0.0223			0.0000			0.0000
Off-Road	0.9303	10.8433	7.3620	0.0149		0.4522	0.4522		0.4160	0.4160	0.0000	1,443.6056	1,443.6056	0.4669		1,455.2779
Total	0.9303	10.8433	7.3620	0.0149	0.2068	0.4522	0.6590	0.0223	0.4160	0.4384	0.0000	1,443.6056	1,443.6056	0.4669		1,455.2779

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	0.0395	0.0267	0.2957	8.6000e-004	0.0894	6.8000e-004	0.0901	0.0237	6.3000e-004	0.0243		85.8281	85.8281	2.4700e-003		85.8899
Total	0.0395	0.0267	0.2957	8.6000e-004	0.0894	6.8000e-004	0.0901	0.0237	6.3000e-004	0.0243		85.8281	85.8281	2.4700e-003		85.8899

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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	lb/day										lb/day					
Off-Road	1.0651	10.4171	12.0048	0.0201		0.5372	0.5372		0.5256	0.5256		1,913.430 2	1,913.430 2	0.2860		1,920.580 2
Total	1.0651	10.4171	12.0048	0.0201		0.5372	0.5372		0.5256	0.5256		1,913.430 2	1,913.430 2	0.2860		1,920.580 2

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	0.0903	2.7373	0.7381	6.4600e-003	0.1664	0.0138	0.1801	0.0479	0.0132	0.0611		689.9812	689.9812	0.0485		691.1942
Worker	0.3306	0.2232	2.4762	7.2100e-003	0.7489	5.7100e-003	0.7546	0.1986	5.2600e-003	0.2039		718.8104	718.8104	0.0207		719.3276
Total	0.4209	2.9605	3.2143	0.0137	0.9153	0.0195	0.9347	0.2465	0.0184	0.2649		1,408.791 6	1,408.791 6	0.0692		1,410.521 8

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3.5 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	1.0651	10.4171	12.0048	0.0201		0.5372	0.5372		0.5256	0.5256	0.0000	1,913.430 2	1,913.430 2	0.2860		1,920.580 2
Total	1.0651	10.4171	12.0048	0.0201		0.5372	0.5372		0.5256	0.5256	0.0000	1,913.430 2	1,913.430 2	0.2860		1,920.580 2

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	0.0903	2.7373	0.7381	6.4600e-003	0.1664	0.0138	0.1801	0.0479	0.0132	0.0611		689.9812	689.9812	0.0485		691.1942
Worker	0.3306	0.2232	2.4762	7.2100e-003	0.7489	5.7100e-003	0.7546	0.1986	5.2600e-003	0.2039		718.8104	718.8104	0.0207		719.3276
Total	0.4209	2.9605	3.2143	0.0137	0.9153	0.0195	0.9347	0.2465	0.0184	0.2649		1,408.791 6	1,408.791 6	0.0692		1,410.521 8

1705 S. State College Blvd - South Coast Air Basin, Winter

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9612	9.5568	11.9577	0.0201		0.4604	0.4604		0.4504	0.4504		1,913.6077	1,913.6077	0.2795		1,920.5947
Total	0.9612	9.5568	11.9577	0.0201		0.4604	0.4604		0.4504	0.4504		1,913.6077	1,913.6077	0.2795		1,920.5947

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	0.0769	2.4841	0.6721	6.4000e-003	0.1664	5.2400e-003	0.1716	0.0479	5.0200e-003	0.0529		684.7718	684.7718	0.0465		685.9349
Worker	0.3090	0.2009	2.2771	6.9800e-003	0.7489	5.5400e-003	0.7544	0.1986	5.1000e-003	0.2037		695.5613	695.5613	0.0187		696.0290
Total	0.3858	2.6849	2.9492	0.0134	0.9153	0.0108	0.9261	0.2465	0.0101	0.2566		1,380.3331	1,380.3331	0.0652		1,381.9638

1705 S. State College Blvd - South Coast Air Basin, Winter

3.5 Building Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9612	9.5568	11.9577	0.0201		0.4604	0.4604		0.4504	0.4504	0.0000	1,913.6077	1,913.6077	0.2795		1,920.5947
Total	0.9612	9.5568	11.9577	0.0201		0.4604	0.4604		0.4504	0.4504	0.0000	1,913.6077	1,913.6077	0.2795		1,920.5947

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	0.0769	2.4841	0.6721	6.4000e-003	0.1664	5.2400e-003	0.1716	0.0479	5.0200e-003	0.0529		684.7718	684.7718	0.0465		685.9349
Worker	0.3090	0.2009	2.2771	6.9800e-003	0.7489	5.5400e-003	0.7544	0.1986	5.1000e-003	0.2037		695.5613	695.5613	0.0187		696.0290
Total	0.3858	2.6849	2.9492	0.0134	0.9153	0.0108	0.9261	0.2465	0.0101	0.2566		1,380.3331	1,380.3331	0.0652		1,381.9638

1705 S. State College Blvd - South Coast Air Basin, Winter

3.6 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4413	4.0323	4.1955	6.8200e-003		0.2014	0.2014		0.1887	0.1887		605.8362	605.8362	0.1627		609.9027
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.4413	4.0323	4.1955	6.8200e-003		0.2014	0.2014		0.1887	0.1887		605.8362	605.8362	0.1627		609.9027

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	0.0692	0.0450	0.5098	1.5600e-003	0.1677	1.2400e-003	0.1689	0.0445	1.1400e-003	0.0456		155.7227	155.7227	4.1900e-003		155.8274
Total	0.0692	0.0450	0.5098	1.5600e-003	0.1677	1.2400e-003	0.1689	0.0445	1.1400e-003	0.0456		155.7227	155.7227	4.1900e-003		155.8274

1705 S. State College Blvd - South Coast Air Basin, Winter

3.6 Paving - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4413	4.0323	4.1955	6.8200e-003		0.2014	0.2014		0.1887	0.1887	0.0000	605.8362	605.8362	0.1627		609.9027
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.4413	4.0323	4.1955	6.8200e-003		0.2014	0.2014		0.1887	0.1887	0.0000	605.8362	605.8362	0.1627		609.9027

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	0.0692	0.0450	0.5098	1.5600e-003	0.1677	1.2400e-003	0.1689	0.0445	1.1400e-003	0.0456		155.7227	155.7227	4.1900e-003		155.8274
Total	0.0692	0.0450	0.5098	1.5600e-003	0.1677	1.2400e-003	0.1689	0.0445	1.1400e-003	0.0456		155.7227	155.7227	4.1900e-003		155.8274

1705 S. State College Blvd - South Coast Air Basin, Winter

3.7 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	lb/day										lb/day					
Archit. Coating	54.8895					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5837	4.0716	4.8468	7.9200e-003		0.2509	0.2509		0.2509	0.2509		750.5281	750.5281	0.0515		751.8158
Total	55.4733	4.0716	4.8468	7.9200e-003		0.2509	0.2509		0.2509	0.2509		750.5281	750.5281	0.0515		751.8158

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	0.0390	0.4418	1.3500e-003	0.1453	1.0800e-003	0.1464	0.0385	9.9000e-004	0.0395		134.9597	134.9597	3.6300e-003		135.0504
Total	0.0600	0.0390	0.4418	1.3500e-003	0.1453	1.0800e-003	0.1464	0.0385	9.9000e-004	0.0395		134.9597	134.9597	3.6300e-003		135.0504

1705 S. State College Blvd - South Coast Air Basin, Winter

3.7 Architectural Coating - 2021

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	54.8895					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5837	4.0716	4.8468	7.9200e-003		0.2509	0.2509		0.2509	0.2509	0.0000	750.5281	750.5281	0.0515		751.8158
Total	55.4733	4.0716	4.8468	7.9200e-003		0.2509	0.2509		0.2509	0.2509	0.0000	750.5281	750.5281	0.0515		751.8158

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	0.0390	0.4418	1.3500e-003	0.1453	1.0800e-003	0.1464	0.0385	9.9000e-004	0.0395		134.9597	134.9597	3.6300e-003		135.0504
Total	0.0600	0.0390	0.4418	1.3500e-003	0.1453	1.0800e-003	0.1464	0.0385	9.9000e-004	0.0395		134.9597	134.9597	3.6300e-003		135.0504

4.0 Operational Detail - Mobile

1705 S. State College Blvd - South Coast Air Basin, 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	0.2541	1.3799	3.7124	0.0139	1.1952	0.0114	1.2066	0.3198	0.0107	0.3304		1,409.6369	1,409.6369	0.0682		1,411.3410
Unmitigated	0.2541	1.3799	3.7124	0.0139	1.1952	0.0114	1.2066	0.3198	0.0107	0.3304		1,409.6369	1,409.6369	0.0682		1,411.3410

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	127.00	127.00	127.00	562,374	562,374
Parking Lot	0.00	0.00	0.00		
Total	127.00	127.00	127.00	562,374	562,374

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	16.60	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

4.4 Fleet Mix

1705 S. State College Blvd - South Coast Air Basin, Winter

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.551391	0.043400	0.201050	0.120272	0.016162	0.005864	0.021029	0.030512	0.002059	0.001866	0.004766	0.000706	0.000924
Parking Lot	0.551391	0.043400	0.201050	0.120272	0.016162	0.005864	0.021029	0.030512	0.002059	0.001866	0.004766	0.000706	0.000924

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0912	0.8290	0.6964	4.9700e-003		0.0630	0.0630		0.0630	0.0630		994.7794	994.7794	0.0191	0.0182	1,000.6909
NaturalGas Unmitigated	0.0912	0.8290	0.6964	4.9700e-003		0.0630	0.0630		0.0630	0.0630		994.7794	994.7794	0.0191	0.0182	1,000.6909

1705 S. State College Blvd - South Coast Air Basin, 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					
General Light Industry	8455.62	0.0912	0.8290	0.6964	4.9700e-003		0.0630	0.0630		0.0630	0.0630		994.7794	994.7794	0.0191	0.0182	1,000.6909
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
Total		0.0912	0.8290	0.6964	4.9700e-003		0.0630	0.0630		0.0630	0.0630		994.7794	994.7794	0.0191	0.0182	1,000.6909

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					
General Light Industry	8.45562	0.0912	0.8290	0.6964	4.9700e-003		0.0630	0.0630		0.0630	0.0630		994.7794	994.7794	0.0191	0.0182	1,000.6909
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
Total		0.0912	0.8290	0.6964	4.9700e-003		0.0630	0.0630		0.0630	0.0630		994.7794	994.7794	0.0191	0.0182	1,000.6909

6.0 Area Detail

6.1 Mitigation Measures Area

1705 S. State College Blvd - South Coast Air Basin, Winter

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.3059	1.8000e-004	0.0198	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0422	0.0422	1.1000e-004		0.0450
Unmitigated	3.3059	1.8000e-004	0.0198	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0422	0.0422	1.1000e-004		0.0450

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	0.3760					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.9281					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.8400e-003	1.8000e-004	0.0198	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0422	0.0422	1.1000e-004		0.0450
Total	3.3059	1.8000e-004	0.0198	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0422	0.0422	1.1000e-004		0.0450

1705 S. State College Blvd - South Coast Air Basin, 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	0.3760					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.9281					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.8400e-003	1.8000e-004	0.0198	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0422	0.0422	1.1000e-004		0.0450
Total	3.3059	1.8000e-004	0.0198	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0422	0.0422	1.1000e-004		0.0450

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

1705 S. State College Blvd - South Coast Air Basin, 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

1705 S. State College Blvd - South Coast Air Basin, Annual

**1705 S. State College Blvd
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	147.67	1000sqft	5.32	147,670.00	0
Parking Lot	45.00	Space	0.00	12,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	8			Operational Year	2021
Utility Company	Anaheim Public Utilities				
CO2 Intensity (lb/MWhr)	1047.47	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

1705 S. State College Blvd - South Coast Air Basin, Annual

Project Characteristics - APUD Carbon Intensity Factor Latest Update

Land Use - Project Information From Site Plan

Construction Phase - Construction Information provided by applicant.

Off-road Equipment - Construction Information provided by applicant.

Off-road Equipment - Construction Information provided by applicant.

Off-road Equipment - Construction Information provided by applicant.

Off-road Equipment - Construction Information provided by applicant.

Off-road Equipment - Construction Information provided by applicant.

Off-road Equipment - Construction Information provided by applicant.

Demolition - Data Provided by Applicant

Grading -

Trips and VMT - Construction Information provided by applicant.

Fleet Mix -

Consumer Products -

Area Coating -

Energy Use -

Construction Off-road Equipment Mitigation - SCAQMD RULE #403

Area Mitigation -

Vehicle Trips - Traffic Trip generation Report

1705 S. State College Blvd - South Coast Air Basin, Annual

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	10.00	5.00
tblConstructionPhase	NumDays	20.00	30.00
tblConstructionPhase	NumDays	230.00	140.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	25.00
tblLandUse	LandUseSquareFeet	18,000.00	12,000.00
tblLandUse	LotAcreage	3.39	5.32
tblLandUse	LotAcreage	0.41	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblProjectCharacteristics	CO2IntensityFactor	1543.28	1047.47
tblTripsAndVMT	HaulingTripNumber	100.00	40.00
tblVehicleTrips	ST_TR	1.32	0.86
tblVehicleTrips	SU_TR	0.68	0.86
tblVehicleTrips	WD_TR	6.97	0.86

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	8-31-2020	11-29-2020	0.3489	0.3489
2	11-30-2020	2-27-2021	0.4514	0.4514
3	2-28-2021	5-30-2021	0.3878	0.3878
4	5-31-2021	8-30-2021	0.7028	0.7028
		Highest	0.7028	0.7028

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	0.6032	2.0000e-005	2.4700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.7800e-003	4.7800e-003	1.0000e-005	0.0000	5.1000e-003
Energy	0.0166	0.1513	0.1271	9.1000e-004		0.0115	0.0115		0.0115	0.0115	0.0000	759.5581	759.5581	0.0196	6.4300e-003	761.9640
Mobile	0.0453	0.2559	0.6874	2.5600e-003	0.2136	2.0700e-003	0.2157	0.0572	1.9300e-003	0.0592	0.0000	235.7194	235.7194	0.0112	0.0000	235.9999
Waste						0.0000	0.0000		0.0000	0.0000	37.1697	0.0000	37.1697	2.1967	0.0000	92.0863
Water						0.0000	0.0000		0.0000	0.0000	10.8338	211.2641	222.0979	1.1186	0.0275	258.2528
Total	0.6652	0.4072	0.8170	3.4700e-003	0.2136	0.0136	0.2272	0.0572	0.0134	0.0707	48.0035	1,206.5463	1,254.5498	3.3461	0.0339	1,348.3081

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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	0.6032	2.0000e-005	2.4700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.7800e-003	4.7800e-003	1.0000e-005	0.0000	5.1000e-003
Energy	0.0166	0.1513	0.1271	9.1000e-004		0.0115	0.0115		0.0115	0.0115	0.0000	759.5581	759.5581	0.0196	6.4300e-003	761.9640
Mobile	0.0453	0.2559	0.6874	2.5600e-003	0.2136	2.0700e-003	0.2157	0.0572	1.9300e-003	0.0592	0.0000	235.7194	235.7194	0.0112	0.0000	235.9999
Waste						0.0000	0.0000		0.0000	0.0000	37.1697	0.0000	37.1697	2.1967	0.0000	92.0863
Water						0.0000	0.0000		0.0000	0.0000	10.8338	211.2641	222.0979	1.1186	0.0275	258.2528
Total	0.6652	0.4072	0.8170	3.4700e-003	0.2136	0.0136	0.2272	0.0572	0.0134	0.0707	48.0035	1,206.5463	1,254.5498	3.3461	0.0339	1,348.3081

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

3.0 Construction Detail

Construction Phase

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	8/31/2020	9/11/2020	5	10	
2	Site Preparation	Site Preparation	9/14/2020	9/18/2020	5	5	
3	Grading	Grading	9/21/2020	10/30/2020	5	30	
4	Building Construction	Building Construction	11/2/2020	5/14/2021	5	140	
5	Paving	Paving	5/17/2021	5/28/2021	5	10	
6	Architectural Coating	Architectural Coating	5/31/2021	7/2/2021	5	25	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 15

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 221,505; Non-Residential Outdoor: 73,835; Striped Parking Area: 720 (Architectural Coating – sqft)

OffRoad Equipment

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Excavators	1	8.00	158	0.38
Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Excavators	1	8.00	158	0.38
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Generator Sets	2	8.00	84	0.74
Building Construction	Rough Terrain Forklifts	2	8.00	100	0.40
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Rollers	1	8.00	80	0.38
Paving	Skid Steer Loaders	1	8.00	65	0.37
Architectural Coating	Air Compressors	2	8.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	2	5.00	0.00	40.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	1	3.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	4	67.00	26.00	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	2	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

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3.2 Demolition - 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					0.0108	0.0000	0.0108	1.6400e-003	0.0000	1.6400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.2700e-003	0.0226	0.0277	4.0000e-005		1.2500e-003	1.2500e-003		1.1500e-003	1.1500e-003	0.0000	3.6328	3.6328	1.1700e-003	0.0000	3.6621
Total	2.2700e-003	0.0226	0.0277	4.0000e-005	0.0108	1.2500e-003	0.0121	1.6400e-003	1.1500e-003	2.7900e-003	0.0000	3.6328	3.6328	1.1700e-003	0.0000	3.6621

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	1.6000e-004	5.7500e-003	1.1900e-003	2.0000e-005	3.4000e-004	2.0000e-005	3.6000e-004	9.0000e-005	2.0000e-005	1.1000e-004	0.0000	1.5175	1.5175	1.1000e-004	0.0000	1.5202
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	1.1000e-004	9.0000e-005	9.5000e-004	0.0000	2.7000e-004	0.0000	2.8000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2472	0.2472	1.0000e-005	0.0000	0.2473
Total	2.7000e-004	5.8400e-003	2.1400e-003	2.0000e-005	6.1000e-004	2.0000e-005	6.4000e-004	1.6000e-004	2.0000e-005	1.8000e-004	0.0000	1.7646	1.7646	1.2000e-004	0.0000	1.7676

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3.2 Demolition - 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					4.2200e-003	0.0000	4.2200e-003	6.4000e-004	0.0000	6.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.2700e-003	0.0226	0.0277	4.0000e-005		1.2500e-003	1.2500e-003		1.1500e-003	1.1500e-003	0.0000	3.6328	3.6328	1.1700e-003	0.0000	3.6621
Total	2.2700e-003	0.0226	0.0277	4.0000e-005	4.2200e-003	1.2500e-003	5.4700e-003	6.4000e-004	1.1500e-003	1.7900e-003	0.0000	3.6328	3.6328	1.1700e-003	0.0000	3.6621

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	1.6000e-004	5.7500e-003	1.1900e-003	2.0000e-005	3.4000e-004	2.0000e-005	3.6000e-004	9.0000e-005	2.0000e-005	1.1000e-004	0.0000	1.5175	1.5175	1.1000e-004	0.0000	1.5202
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	1.1000e-004	9.0000e-005	9.5000e-004	0.0000	2.7000e-004	0.0000	2.8000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2472	0.2472	1.0000e-005	0.0000	0.2473
Total	2.7000e-004	5.8400e-003	2.1400e-003	2.0000e-005	6.1000e-004	2.0000e-005	6.4000e-004	1.6000e-004	2.0000e-005	1.8000e-004	0.0000	1.7646	1.7646	1.2000e-004	0.0000	1.7676

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3.3 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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.1000e-004	6.0300e-003	8.1700e-003	1.0000e-005		2.9000e-004	2.9000e-004		2.7000e-004	2.7000e-004	0.0000	1.1343	1.1343	3.7000e-004	0.0000	1.1434
Total	6.1000e-004	6.0300e-003	8.1700e-003	1.0000e-005	0.0000	2.9000e-004	2.9000e-004	0.0000	2.7000e-004	2.7000e-004	0.0000	1.1343	1.1343	3.7000e-004	0.0000	1.1434

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	3.0000e-005	3.0000e-005	2.8000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0742	0.0742	0.0000	0.0000	0.0742
Total	3.0000e-005	3.0000e-005	2.8000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0742	0.0742	0.0000	0.0000	0.0742

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3.3 Site Preparation - 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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.1000e-004	6.0300e-003	8.1700e-003	1.0000e-005		2.9000e-004	2.9000e-004		2.7000e-004	2.7000e-004	0.0000	1.1343	1.1343	3.7000e-004	0.0000	1.1434
Total	6.1000e-004	6.0300e-003	8.1700e-003	1.0000e-005	0.0000	2.9000e-004	2.9000e-004	0.0000	2.7000e-004	2.7000e-004	0.0000	1.1343	1.1343	3.7000e-004	0.0000	1.1434

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	3.0000e-005	3.0000e-005	2.8000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0742	0.0742	0.0000	0.0000	0.0742
Total	3.0000e-005	3.0000e-005	2.8000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0742	0.0742	0.0000	0.0000	0.0742

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3.4 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					7.9500e-003	0.0000	7.9500e-003	8.6000e-004	0.0000	8.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0140	0.1627	0.1104	2.2000e-004		6.7800e-003	6.7800e-003		6.2400e-003	6.2400e-003	0.0000	19.6443	19.6443	6.3500e-003	0.0000	19.8031
Total	0.0140	0.1627	0.1104	2.2000e-004	7.9500e-003	6.7800e-003	0.0147	8.6000e-004	6.2400e-003	7.1000e-003	0.0000	19.6443	19.6443	6.3500e-003	0.0000	19.8031

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	5.3000e-004	4.1000e-004	4.5500e-003	1.0000e-005	1.3200e-003	1.0000e-005	1.3300e-003	3.5000e-004	1.0000e-005	3.6000e-004	0.0000	1.1864	1.1864	3.0000e-005	0.0000	1.1872
Total	5.3000e-004	4.1000e-004	4.5500e-003	1.0000e-005	1.3200e-003	1.0000e-005	1.3300e-003	3.5000e-004	1.0000e-005	3.6000e-004	0.0000	1.1864	1.1864	3.0000e-005	0.0000	1.1872

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3.4 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					3.1000e-003	0.0000	3.1000e-003	3.3000e-004	0.0000	3.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0140	0.1627	0.1104	2.2000e-004		6.7800e-003	6.7800e-003		6.2400e-003	6.2400e-003	0.0000	19.6442	19.6442	6.3500e-003	0.0000	19.8031
Total	0.0140	0.1627	0.1104	2.2000e-004	3.1000e-003	6.7800e-003	9.8800e-003	3.3000e-004	6.2400e-003	6.5700e-003	0.0000	19.6442	19.6442	6.3500e-003	0.0000	19.8031

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	5.3000e-004	4.1000e-004	4.5500e-003	1.0000e-005	1.3200e-003	1.0000e-005	1.3300e-003	3.5000e-004	1.0000e-005	3.6000e-004	0.0000	1.1864	1.1864	3.0000e-005	0.0000	1.1872
Total	5.3000e-004	4.1000e-004	4.5500e-003	1.0000e-005	1.3200e-003	1.0000e-005	1.3300e-003	3.5000e-004	1.0000e-005	3.6000e-004	0.0000	1.1864	1.1864	3.0000e-005	0.0000	1.1872

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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	0.0234	0.2292	0.2641	4.4000e-004		0.0118	0.0118		0.0116	0.0116	0.0000	38.1884	38.1884	5.7100e-003	0.0000	38.3311
Total	0.0234	0.2292	0.2641	4.4000e-004		0.0118	0.0118		0.0116	0.0116	0.0000	38.1884	38.1884	5.7100e-003	0.0000	38.3311

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9400e-003	0.0613	0.0155	1.4000e-004	3.6000e-003	3.0000e-004	3.9000e-003	1.0400e-003	2.9000e-004	1.3300e-003	0.0000	13.9938	13.9938	9.3000e-004	0.0000	14.0172
Worker	6.5600e-003	5.0500e-003	0.0559	1.6000e-004	0.0162	1.3000e-004	0.0163	4.2900e-003	1.2000e-004	4.4100e-003	0.0000	14.5724	14.5724	4.2000e-004	0.0000	14.5829
Total	8.5000e-003	0.0664	0.0714	3.0000e-004	0.0198	4.3000e-004	0.0202	5.3300e-003	4.1000e-004	5.7400e-003	0.0000	28.5662	28.5662	1.3500e-003	0.0000	28.6001

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3.5 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	0.0234	0.2292	0.2641	4.4000e-004		0.0118	0.0118		0.0116	0.0116	0.0000	38.1883	38.1883	5.7100e-003	0.0000	38.3310
Total	0.0234	0.2292	0.2641	4.4000e-004		0.0118	0.0118		0.0116	0.0116	0.0000	38.1883	38.1883	5.7100e-003	0.0000	38.3310

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9400e-003	0.0613	0.0155	1.4000e-004	3.6000e-003	3.0000e-004	3.9000e-003	1.0400e-003	2.9000e-004	1.3300e-003	0.0000	13.9938	13.9938	9.3000e-004	0.0000	14.0172
Worker	6.5600e-003	5.0500e-003	0.0559	1.6000e-004	0.0162	1.3000e-004	0.0163	4.2900e-003	1.2000e-004	4.4100e-003	0.0000	14.5724	14.5724	4.2000e-004	0.0000	14.5829
Total	8.5000e-003	0.0664	0.0714	3.0000e-004	0.0198	4.3000e-004	0.0202	5.3300e-003	4.1000e-004	5.7400e-003	0.0000	28.5662	28.5662	1.3500e-003	0.0000	28.6001

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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	0.0461	0.4587	0.5740	9.6000e-004		0.0221	0.0221		0.0216	0.0216	0.0000	83.3278	83.3278	0.0122	0.0000	83.6320
Total	0.0461	0.4587	0.5740	9.6000e-004		0.0221	0.0221		0.0216	0.0216	0.0000	83.3278	83.3278	0.0122	0.0000	83.6320

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.5900e-003	0.1214	0.0307	3.1000e-004	7.8600e-003	2.5000e-004	8.1100e-003	2.2700e-003	2.4000e-004	2.5100e-003	0.0000	30.3023	30.3023	1.9500e-003	0.0000	30.3511
Worker	0.0134	9.9200e-003	0.1122	3.4000e-004	0.0353	2.7000e-004	0.0356	9.3700e-003	2.5000e-004	9.6200e-003	0.0000	30.7659	30.7659	8.3000e-004	0.0000	30.7866
Total	0.0170	0.1313	0.1429	6.5000e-004	0.0431	5.2000e-004	0.0437	0.0116	4.9000e-004	0.0121	0.0000	61.0682	61.0682	2.7800e-003	0.0000	61.1377

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3.5 Building Construction - 2021

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	0.0461	0.4587	0.5740	9.6000e-004		0.0221	0.0221		0.0216	0.0216	0.0000	83.3277	83.3277	0.0122	0.0000	83.6319
Total	0.0461	0.4587	0.5740	9.6000e-004		0.0221	0.0221		0.0216	0.0216	0.0000	83.3277	83.3277	0.0122	0.0000	83.6319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.5900e-003	0.1214	0.0307	3.1000e-004	7.8600e-003	2.5000e-004	8.1100e-003	2.2700e-003	2.4000e-004	2.5100e-003	0.0000	30.3023	30.3023	1.9500e-003	0.0000	30.3511
Worker	0.0134	9.9200e-003	0.1122	3.4000e-004	0.0353	2.7000e-004	0.0356	9.3700e-003	2.5000e-004	9.6200e-003	0.0000	30.7659	30.7659	8.3000e-004	0.0000	30.7866
Total	0.0170	0.1313	0.1429	6.5000e-004	0.0431	5.2000e-004	0.0437	0.0116	4.9000e-004	0.0121	0.0000	61.0682	61.0682	2.7800e-003	0.0000	61.1377

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3.6 Paving - 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	2.2100e-003	0.0202	0.0210	3.0000e-005		1.0100e-003	1.0100e-003		9.4000e-004	9.4000e-004	0.0000	2.7480	2.7480	7.4000e-004	0.0000	2.7665
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.2100e-003	0.0202	0.0210	3.0000e-005		1.0100e-003	1.0100e-003		9.4000e-004	9.4000e-004	0.0000	2.7480	2.7480	7.4000e-004	0.0000	2.7665

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	3.1000e-004	2.3000e-004	2.6200e-003	1.0000e-005	8.2000e-004	1.0000e-005	8.3000e-004	2.2000e-004	1.0000e-005	2.2000e-004	0.0000	0.7175	0.7175	2.0000e-005	0.0000	0.7180
Total	3.1000e-004	2.3000e-004	2.6200e-003	1.0000e-005	8.2000e-004	1.0000e-005	8.3000e-004	2.2000e-004	1.0000e-005	2.2000e-004	0.0000	0.7175	0.7175	2.0000e-005	0.0000	0.7180

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3.6 Paving - 2021

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	2.2100e-003	0.0202	0.0210	3.0000e-005		1.0100e-003	1.0100e-003		9.4000e-004	9.4000e-004	0.0000	2.7480	2.7480	7.4000e-004	0.0000	2.7665
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.2100e-003	0.0202	0.0210	3.0000e-005		1.0100e-003	1.0100e-003		9.4000e-004	9.4000e-004	0.0000	2.7480	2.7480	7.4000e-004	0.0000	2.7665

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	3.1000e-004	2.3000e-004	2.6200e-003	1.0000e-005	8.2000e-004	1.0000e-005	8.3000e-004	2.2000e-004	1.0000e-005	2.2000e-004	0.0000	0.7175	0.7175	2.0000e-005	0.0000	0.7180
Total	3.1000e-004	2.3000e-004	2.6200e-003	1.0000e-005	8.2000e-004	1.0000e-005	8.3000e-004	2.2000e-004	1.0000e-005	2.2000e-004	0.0000	0.7175	0.7175	2.0000e-005	0.0000	0.7180

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3.7 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	0.6861					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.3000e-003	0.0509	0.0606	1.0000e-004		3.1400e-003	3.1400e-003		3.1400e-003	3.1400e-003	0.0000	8.5109	8.5109	5.8000e-004	0.0000	8.5255
Total	0.6934	0.0509	0.0606	1.0000e-004		3.1400e-003	3.1400e-003		3.1400e-003	3.1400e-003	0.0000	8.5109	8.5109	5.8000e-004	0.0000	8.5255

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	6.8000e-004	5.0000e-004	5.6700e-003	2.0000e-005	1.7800e-003	1.0000e-005	1.8000e-003	4.7000e-004	1.0000e-005	4.9000e-004	0.0000	1.5546	1.5546	4.0000e-005	0.0000	1.5556
Total	6.8000e-004	5.0000e-004	5.6700e-003	2.0000e-005	1.7800e-003	1.0000e-005	1.8000e-003	4.7000e-004	1.0000e-005	4.9000e-004	0.0000	1.5546	1.5546	4.0000e-005	0.0000	1.5556

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3.7 Architectural Coating - 2021

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	0.6861					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.3000e-003	0.0509	0.0606	1.0000e-004		3.1400e-003	3.1400e-003		3.1400e-003	3.1400e-003	0.0000	8.5108	8.5108	5.8000e-004	0.0000	8.5254
Total	0.6934	0.0509	0.0606	1.0000e-004		3.1400e-003	3.1400e-003		3.1400e-003	3.1400e-003	0.0000	8.5108	8.5108	5.8000e-004	0.0000	8.5254

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	6.8000e-004	5.0000e-004	5.6700e-003	2.0000e-005	1.7800e-003	1.0000e-005	1.8000e-003	4.7000e-004	1.0000e-005	4.9000e-004	0.0000	1.5546	1.5546	4.0000e-005	0.0000	1.5556
Total	6.8000e-004	5.0000e-004	5.6700e-003	2.0000e-005	1.7800e-003	1.0000e-005	1.8000e-003	4.7000e-004	1.0000e-005	4.9000e-004	0.0000	1.5546	1.5546	4.0000e-005	0.0000	1.5556

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	0.0453	0.2559	0.6874	2.5600e-003	0.2136	2.0700e-003	0.2157	0.0572	1.9300e-003	0.0592	0.0000	235.7194	235.7194	0.0112	0.0000	235.9999
Unmitigated	0.0453	0.2559	0.6874	2.5600e-003	0.2136	2.0700e-003	0.2157	0.0572	1.9300e-003	0.0592	0.0000	235.7194	235.7194	0.0112	0.0000	235.9999

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	127.00	127.00	127.00	562,374	562,374
Parking Lot	0.00	0.00	0.00		
Total	127.00	127.00	127.00	562,374	562,374

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	16.60	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

4.4 Fleet Mix

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Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.551391	0.043400	0.201050	0.120272	0.016162	0.005864	0.021029	0.030512	0.002059	0.001866	0.004766	0.000706	0.000924
Parking Lot	0.551391	0.043400	0.201050	0.120272	0.016162	0.005864	0.021029	0.030512	0.002059	0.001866	0.004766	0.000706	0.000924

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	594.8612	594.8612	0.0165	3.4100e-003	596.2884
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	594.8612	594.8612	0.0165	3.4100e-003	596.2884
NaturalGas Mitigated	0.0166	0.1513	0.1271	9.1000e-004		0.0115	0.0115		0.0115	0.0115	0.0000	164.6969	164.6969	3.1600e-003	3.0200e-003	165.6756
NaturalGas Unmitigated	0.0166	0.1513	0.1271	9.1000e-004		0.0115	0.0115		0.0115	0.0115	0.0000	164.6969	164.6969	3.1600e-003	3.0200e-003	165.6756

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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	3.0863e+006	0.0166	0.1513	0.1271	9.1000e-004		0.0115	0.0115		0.0115	0.0115	0.0000	164.6969	164.6969	3.1600e-003	3.0200e-003	165.6756
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
Total		0.0166	0.1513	0.1271	9.1000e-004		0.0115	0.0115		0.0115	0.0115	0.0000	164.6969	164.6969	3.1600e-003	3.0200e-003	165.6756

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	3.0863e+006	0.0166	0.1513	0.1271	9.1000e-004		0.0115	0.0115		0.0115	0.0115	0.0000	164.6969	164.6969	3.1600e-003	3.0200e-003	165.6756
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
Total		0.0166	0.1513	0.1271	9.1000e-004		0.0115	0.0115		0.0115	0.0115	0.0000	164.6969	164.6969	3.1600e-003	3.0200e-003	165.6756

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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	1.24781e+006	592.8657	0.0164	3.4000e-003	594.2880
Parking Lot	4200	1.9955	6.0000e-005	1.0000e-005	2.0003
Total		594.8612	0.0165	3.4100e-003	596.2884

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	1.24781e+006	592.8657	0.0164	3.4000e-003	594.2880
Parking Lot	4200	1.9955	6.0000e-005	1.0000e-005	2.0003
Total		594.8612	0.0165	3.4100e-003	596.2884

6.0 Area Detail

6.1 Mitigation Measures Area

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No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.6032	2.0000e-005	2.4700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.7800e-003	4.7800e-003	1.0000e-005	0.0000	5.1000e-003
Unmitigated	0.6032	2.0000e-005	2.4700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.7800e-003	4.7800e-003	1.0000e-005	0.0000	5.1000e-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	0.0686					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5344					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.3000e-004	2.0000e-005	2.4700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.7800e-003	4.7800e-003	1.0000e-005	0.0000	5.1000e-003
Total	0.6032	2.0000e-005	2.4700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.7800e-003	4.7800e-003	1.0000e-005	0.0000	5.1000e-003

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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	0.0686					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5344					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.3000e-004	2.0000e-005	2.4700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.7800e-003	4.7800e-003	1.0000e-005	0.0000	5.1000e-003
Total	0.6032	2.0000e-005	2.4700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.7800e-003	4.7800e-003	1.0000e-005	0.0000	5.1000e-003

7.0 Water Detail

7.1 Mitigation Measures Water

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	222.0979	1.1186	0.0275	258.2528
Unmitigated	222.0979	1.1186	0.0275	258.2528

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	34.1487 / 0	222.0979	1.1186	0.0275	258.2528
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		222.0979	1.1186	0.0275	258.2528

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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	34.1487 / 0	222.0979	1.1186	0.0275	258.2528
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		222.0979	1.1186	0.0275	258.2528

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	37.1697	2.1967	0.0000	92.0863
Unmitigated	37.1697	2.1967	0.0000	92.0863

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8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	183.11	37.1697	2.1967	0.0000	92.0863
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		37.1697	2.1967	0.0000	92.0863

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	183.11	37.1697	2.1967	0.0000	92.0863
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		37.1697	2.1967	0.0000	92.0863

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
