

Reservoir 3A Project - Mojave Desert AQMD Air District, Annual

Reservoir 3A Project
Mojave Desert AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	63.73	1000sqft	1.46	63,731.00	0
Other Asphalt Surfaces	6.84	1000sqft	0.16	6,840.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	30
Climate Zone	10			Operational Year	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	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 -

Land Use -

Construction Phase - Per applicant specifications

Off-road Equipment - Per applicant information

Off-road Equipment - Other Construction Equipment - Water Truck

Off-road Equipment - Per applicant information

Off-road Equipment - Per applicant information

Off-road Equipment - per applicant information

Off-road Equipment - Per applicant information

Off-road Equipment - Other Construction Equipment - 9-yard concrete truck

Trips and VMT - Per applicant information

Grading - Per applicant

Architectural Coating - Area equal to total surface area of tank including inside and outside surface minus roof.

Vehicle Trips - Unmanned facility no operational trips

Consumer Products - No consumer products

Area Coating -

Landscape Equipment - no landscaping

Energy Use - No natural gas use

Water And Wastewater - No water and wastewater use

Solid Waste - No solid waste

Land Use Change -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	31,866.00	32,425.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	95,597.00	0.00
tblAreaCoating	Area_Nonresidential_Exterior	31866	35285
tblAreaCoating	Area_Nonresidential_Interior	95597	105855

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tblAreaCoating	ReapplicationRatePercent	10	0
tblConstructionPhase	NumDays	200.00	50.00
tblConstructionPhase	NumDays	200.00	20.00
tblConstructionPhase	NumDays	200.00	15.00
tblConstructionPhase	NumDays	4.00	20.00
tblConstructionPhase	NumDays	2.00	10.00
tblEnergyUse	NT24NG	17.13	0.00
tblEnergyUse	T24NG	15.36	0.00
tblGrading	AcresOfGrading	10.00	1.50
tblGrading	MaterialImported	0.00	11,600.00
tblLandUse	LandUseSquareFeet	63,730.00	63,731.00
tblOffRoadEquipment	HorsePower	172.00	320.00
tblOffRoadEquipment	HorsePower	172.00	385.00
tblOffRoadEquipment	LoadFactor	0.42	0.38
tblOffRoadEquipment	LoadFactor	0.42	0.38
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblSolidWaste	SolidWasteGenerationRate	79.03	0.00
tblTripsAndVMT	HaulingTripNumber	1,147.00	580.00
tblTripsAndVMT	HaulingTripNumber	0.00	100.00
tblTripsAndVMT	VendorTripNumber	12.00	14.00

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tblTripsAndVMT	VendorTripNumber	12.00	14.00
tblTripsAndVMT	VendorTripNumber	12.00	14.00
tblTripsAndVMT	WorkerTripNumber	13.00	8.00
tblTripsAndVMT	WorkerTripNumber	30.00	34.00
tblTripsAndVMT	WorkerTripNumber	30.00	34.00
tblTripsAndVMT	WorkerTripNumber	6.00	8.00
tblTripsAndVMT	WorkerTripNumber	30.00	34.00
tblTripsAndVMT	WorkerTripNumber	8.00	14.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblWater	IndoorWaterUseRate	14,737,562.50	0.00

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	6-3-2019	9-2-2019	0.8465	0.8465
2	9-3-2019	9-30-2019	0.2402	0.2402
		Highest	0.8465	0.8465

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	0.2494	1.0000e-005	6.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2600e-003	1.2600e-003	0.0000	0.0000	1.3500e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	206.1065	206.1065	8.5100e-003	1.7600e-003	206.8439
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.2494	1.0000e-005	6.5000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	206.1078	206.1078	8.5100e-003	1.7600e-003	206.8452

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2.3 Vegetation

Vegetation

	CO2e
Category	MT
Vegetation Land Change	-23.1660
Total	-23.1660

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/3/2019	6/14/2019	5	10	
2	Grading	Grading	6/17/2019	7/12/2019	5	20	
3	Tank Construction	Building Construction	7/15/2019	9/20/2019	5	50	
4	Sandblasting	Building Construction	9/23/2019	10/18/2019	5	20	
5	Tank Coating	Architectural Coating	10/21/2019	11/1/2019	5	10	
6	Piping Installation	Building Construction	11/4/2019	11/22/2019	5	15	
7	Asphalt/Concrete Paving	Paving	11/25/2019	12/6/2019	5	10	

Acres of Grading (Site Preparation Phase): 1.62

Acres of Grading (Grading Phase): 1.5

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Acres of Paving: 0.16

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 32,425; Striped Parking Area: 410
(Architectural Coating – sqft)**

OffRoad Equipment

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Loaders	1	8.00	203	0.36
Site Preparation	Skid Steer Loaders	1	8.00	65	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Other Construction Equipment	1	6.00	320	0.38
Grading	Rollers	1	4.00	80	0.38
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Tank Construction	Cranes	1	6.00	231	0.29
Tank Construction	Generator Sets	2	8.00	84	0.74
Tank Construction	Other Construction Equipment	1	6.00	385	0.38
Tank Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Tank Construction	Welders	4	8.00	46	0.45
Sandblasting	Aerial Lifts	1	8.00	63	0.31
Sandblasting	Air Compressors	2	8.00	78	0.48
Sandblasting	Generator Sets	1	8.00	84	0.74
Tank Coating	Aerial Lifts	1	8.00	63	0.31
Tank Coating	Air Compressors	2	8.00	78	0.48
Tank Coating	Generator Sets	1	8.00	84	0.74
Piping Installation	Concrete/Industrial Saws	1	6.00	81	0.73
Piping Installation	Generator Sets	1	8.00	84	0.74
Piping Installation	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Piping Installation	Welders	2	8.00	46	0.45
Asphalt/Concrete Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Asphalt/Concrete Paving	Paving Equipment	1	8.00	132	0.36
Asphalt/Concrete Paving	Rollers	1	8.00	80	0.38

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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	3	8.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	5	8.00	0.00	580.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Tank Construction	9	34.00	14.00	100.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Sandblasting	4	34.00	14.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Tank Coating	4	8.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Piping Installation	5	34.00	14.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt/Concrete Paving	3	14.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2019

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					8.6000e-004	0.0000	8.6000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.5800e-003	0.0415	0.0269	6.0000e-005		1.8500e-003	1.8500e-003		1.7000e-003	1.7000e-003	0.0000	5.1300	5.1300	1.6200e-003	0.0000	5.1705
Total	3.5800e-003	0.0415	0.0269	6.0000e-005	8.6000e-004	1.8500e-003	2.7100e-003	9.0000e-005	1.7000e-003	1.7900e-003	0.0000	5.1300	5.1300	1.6200e-003	0.0000	5.1705

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3.2 Site Preparation - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6000e-004	2.3000e-004	2.0200e-003	0.0000	5.0000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.4000e-004	0.0000	0.4360	0.4360	2.0000e-005	0.0000	0.4364
Total	2.6000e-004	2.3000e-004	2.0200e-003	0.0000	5.0000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.4000e-004	0.0000	0.4360	0.4360	2.0000e-005	0.0000	0.4364

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					8.6000e-004	0.0000	8.6000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.5800e-003	0.0415	0.0269	6.0000e-005		1.8500e-003	1.8500e-003		1.7000e-003	1.7000e-003	0.0000	5.1299	5.1299	1.6200e-003	0.0000	5.1705
Total	3.5800e-003	0.0415	0.0269	6.0000e-005	8.6000e-004	1.8500e-003	2.7100e-003	9.0000e-005	1.7000e-003	1.7900e-003	0.0000	5.1299	5.1299	1.6200e-003	0.0000	5.1705

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3.2 Site Preparation - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6000e-004	2.3000e-004	2.0200e-003	0.0000	5.0000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.4000e-004	0.0000	0.4360	0.4360	2.0000e-005	0.0000	0.4364
Total	2.6000e-004	2.3000e-004	2.0200e-003	0.0000	5.0000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.4000e-004	0.0000	0.4360	0.4360	2.0000e-005	0.0000	0.4364

3.3 Grading - 2019

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					8.0000e-004	0.0000	8.0000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0144	0.1702	0.1075	2.4000e-004		7.1600e-003	7.1600e-003		6.5800e-003	6.5800e-003	0.0000	21.3050	21.3050	6.7400e-003	0.0000	21.4735
Total	0.0144	0.1702	0.1075	2.4000e-004	8.0000e-004	7.1600e-003	7.9600e-003	9.0000e-005	6.5800e-003	6.6700e-003	0.0000	21.3050	21.3050	6.7400e-003	0.0000	21.4735

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3.3 Grading - 2019

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	1.6100e-003	0.0726	8.5200e-003	2.3000e-004	5.0100e-003	2.1000e-004	5.2200e-003	1.3800e-003	2.0000e-004	1.5800e-003	0.0000	22.2125	22.2125	1.4300e-003	0.0000	22.2483
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	5.1000e-004	4.6000e-004	4.0300e-003	1.0000e-005	1.0000e-003	1.0000e-005	1.0100e-003	2.7000e-004	1.0000e-005	2.7000e-004	0.0000	0.8720	0.8720	3.0000e-005	0.0000	0.8728
Total	2.1200e-003	0.0730	0.0126	2.4000e-004	6.0100e-003	2.2000e-004	6.2300e-003	1.6500e-003	2.1000e-004	1.8500e-003	0.0000	23.0844	23.0844	1.4600e-003	0.0000	23.1211

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					8.0000e-004	0.0000	8.0000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0144	0.1702	0.1075	2.4000e-004		7.1600e-003	7.1600e-003		6.5800e-003	6.5800e-003	0.0000	21.3050	21.3050	6.7400e-003	0.0000	21.4735
Total	0.0144	0.1702	0.1075	2.4000e-004	8.0000e-004	7.1600e-003	7.9600e-003	9.0000e-005	6.5800e-003	6.6700e-003	0.0000	21.3050	21.3050	6.7400e-003	0.0000	21.4735

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3.3 Grading - 2019

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	1.6100e-003	0.0726	8.5200e-003	2.3000e-004	5.0100e-003	2.1000e-004	5.2200e-003	1.3800e-003	2.0000e-004	1.5800e-003	0.0000	22.2125	22.2125	1.4300e-003	0.0000	22.2483
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	5.1000e-004	4.6000e-004	4.0300e-003	1.0000e-005	1.0000e-003	1.0000e-005	1.0100e-003	2.7000e-004	1.0000e-005	2.7000e-004	0.0000	0.8720	0.8720	3.0000e-005	0.0000	0.8728
Total	2.1200e-003	0.0730	0.0126	2.4000e-004	6.0100e-003	2.2000e-004	6.2300e-003	1.6500e-003	2.1000e-004	1.8500e-003	0.0000	23.0844	23.0844	1.4600e-003	0.0000	23.1211

3.4 Tank Construction - 2019

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	0.0858	0.6459	0.5337	9.9000e-004		0.0339	0.0339		0.0329	0.0329	0.0000	83.3345	83.3345	0.0164	0.0000	83.7447
Total	0.0858	0.6459	0.5337	9.9000e-004		0.0339	0.0339		0.0329	0.0329	0.0000	83.3345	83.3345	0.0164	0.0000	83.7447

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3.4 Tank Construction - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.8000e-004	0.0125	1.4700e-003	4.0000e-005	8.6000e-004	4.0000e-005	9.0000e-004	2.4000e-004	3.0000e-005	2.7000e-004	0.0000	3.8297	3.8297	2.5000e-004	0.0000	3.8359
Vendor	1.3200e-003	0.0386	9.9500e-003	1.0000e-004	2.1200e-003	2.2000e-004	2.3400e-003	6.1000e-004	2.1000e-004	8.2000e-004	0.0000	9.2174	9.2174	9.1000e-004	0.0000	9.2401
Worker	5.4400e-003	4.8800e-003	0.0428	1.0000e-004	0.0107	7.0000e-005	0.0107	2.8300e-003	6.0000e-005	2.8900e-003	0.0000	9.2650	9.2650	3.4000e-004	0.0000	9.2734
Total	7.0400e-003	0.0560	0.0543	2.4000e-004	0.0136	3.3000e-004	0.0140	3.6800e-003	3.0000e-004	3.9800e-003	0.0000	22.3121	22.3121	1.5000e-003	0.0000	22.3494

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	0.0858	0.6459	0.5337	9.9000e-004		0.0339	0.0339		0.0329	0.0329	0.0000	83.3344	83.3344	0.0164	0.0000	83.7446
Total	0.0858	0.6459	0.5337	9.9000e-004		0.0339	0.0339		0.0329	0.0329	0.0000	83.3344	83.3344	0.0164	0.0000	83.7446

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3.4 Tank Construction - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.8000e-004	0.0125	1.4700e-003	4.0000e-005	8.6000e-004	4.0000e-005	9.0000e-004	2.4000e-004	3.0000e-005	2.7000e-004	0.0000	3.8297	3.8297	2.5000e-004	0.0000	3.8359
Vendor	1.3200e-003	0.0386	9.9500e-003	1.0000e-004	2.1200e-003	2.2000e-004	2.3400e-003	6.1000e-004	2.1000e-004	8.2000e-004	0.0000	9.2174	9.2174	9.1000e-004	0.0000	9.2401
Worker	5.4400e-003	4.8800e-003	0.0428	1.0000e-004	0.0107	7.0000e-005	0.0107	2.8300e-003	6.0000e-005	2.8900e-003	0.0000	9.2650	9.2650	3.4000e-004	0.0000	9.2734
Total	7.0400e-003	0.0560	0.0543	2.4000e-004	0.0136	3.3000e-004	0.0140	3.6800e-003	3.0000e-004	3.9800e-003	0.0000	22.3121	22.3121	1.5000e-003	0.0000	22.3494

3.5 Sandblasting - 2019

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	0.0120	0.0935	0.0973	1.6000e-004		5.8600e-003	5.8600e-003		5.8500e-003	5.8500e-003	0.0000	13.9688	13.9688	1.4100e-003	0.0000	14.0041
Total	0.0120	0.0935	0.0973	1.6000e-004		5.8600e-003	5.8600e-003		5.8500e-003	5.8500e-003	0.0000	13.9688	13.9688	1.4100e-003	0.0000	14.0041

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3.5 Sandblasting - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.3000e-004	0.0155	3.9800e-003	4.0000e-005	8.5000e-004	9.0000e-005	9.3000e-004	2.4000e-004	8.0000e-005	3.3000e-004	0.0000	3.6870	3.6870	3.6000e-004	0.0000	3.6960
Worker	2.1700e-003	1.9500e-003	0.0171	4.0000e-005	4.2700e-003	3.0000e-005	4.2900e-003	1.1300e-003	2.0000e-005	1.1600e-003	0.0000	3.7060	3.7060	1.4000e-004	0.0000	3.7094
Total	2.7000e-003	0.0174	0.0211	8.0000e-005	5.1200e-003	1.2000e-004	5.2200e-003	1.3700e-003	1.0000e-004	1.4900e-003	0.0000	7.3929	7.3929	5.0000e-004	0.0000	7.4054

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	0.0120	0.0935	0.0973	1.6000e-004		5.8600e-003	5.8600e-003		5.8500e-003	5.8500e-003	0.0000	13.9688	13.9688	1.4100e-003	0.0000	14.0040
Total	0.0120	0.0935	0.0973	1.6000e-004		5.8600e-003	5.8600e-003		5.8500e-003	5.8500e-003	0.0000	13.9688	13.9688	1.4100e-003	0.0000	14.0040

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3.5 Sandblasting - 2019

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	5.3000e-004	0.0155	3.9800e-003	4.0000e-005	8.5000e-004	9.0000e-005	9.3000e-004	2.4000e-004	8.0000e-005	3.3000e-004	0.0000	3.6870	3.6870	3.6000e-004	0.0000	3.6960
Worker	2.1700e-003	1.9500e-003	0.0171	4.0000e-005	4.2700e-003	3.0000e-005	4.2900e-003	1.1300e-003	2.0000e-005	1.1600e-003	0.0000	3.7060	3.7060	1.4000e-004	0.0000	3.7094
Total	2.7000e-003	0.0174	0.0211	8.0000e-005	5.1200e-003	1.2000e-004	5.2200e-003	1.3700e-003	1.0000e-004	1.4900e-003	0.0000	7.3929	7.3929	5.0000e-004	0.0000	7.4054

3.6 Tank Coating - 2019

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	0.1902					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.9800e-003	0.0468	0.0486	8.0000e-005		2.9300e-003	2.9300e-003		2.9200e-003	2.9200e-003	0.0000	6.9844	6.9844	7.1000e-004	0.0000	7.0020
Total	0.1962	0.0468	0.0486	8.0000e-005		2.9300e-003	2.9300e-003		2.9200e-003	2.9200e-003	0.0000	6.9844	6.9844	7.1000e-004	0.0000	7.0020

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3.6 Tank Coating - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6000e-004	2.3000e-004	2.0200e-003	0.0000	5.0000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.4000e-004	0.0000	0.4360	0.4360	2.0000e-005	0.0000	0.4364
Total	2.6000e-004	2.3000e-004	2.0200e-003	0.0000	5.0000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.4000e-004	0.0000	0.4360	0.4360	2.0000e-005	0.0000	0.4364

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	0.1902					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.9800e-003	0.0468	0.0486	8.0000e-005		2.9300e-003	2.9300e-003		2.9200e-003	2.9200e-003	0.0000	6.9844	6.9844	7.1000e-004	0.0000	7.0020
Total	0.1962	0.0468	0.0486	8.0000e-005		2.9300e-003	2.9300e-003		2.9200e-003	2.9200e-003	0.0000	6.9844	6.9844	7.1000e-004	0.0000	7.0020

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3.6 Tank Coating - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6000e-004	2.3000e-004	2.0200e-003	0.0000	5.0000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.4000e-004	0.0000	0.4360	0.4360	2.0000e-005	0.0000	0.4364
Total	2.6000e-004	2.3000e-004	2.0200e-003	0.0000	5.0000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.4000e-004	0.0000	0.4360	0.4360	2.0000e-005	0.0000	0.4364

3.7 Piping Installation - 2019

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	0.0130	0.0860	0.0888	1.4000e-004		5.3600e-003	5.3600e-003		5.2900e-003	5.2900e-003	0.0000	11.6561	11.6561	1.4500e-003	0.0000	11.6923
Total	0.0130	0.0860	0.0888	1.4000e-004		5.3600e-003	5.3600e-003		5.2900e-003	5.2900e-003	0.0000	11.6561	11.6561	1.4500e-003	0.0000	11.6923

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3.7 Piping Installation - 2019

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	4.0000e-004	0.0116	2.9800e-003	3.0000e-005	6.3000e-004	7.0000e-005	7.0000e-004	1.8000e-004	6.0000e-005	2.5000e-004	0.0000	2.7652	2.7652	2.7000e-004	0.0000	2.7720
Worker	1.6300e-003	1.4600e-003	0.0129	3.0000e-005	3.2000e-003	2.0000e-005	3.2200e-003	8.5000e-004	2.0000e-005	8.7000e-004	0.0000	2.7795	2.7795	1.0000e-004	0.0000	2.7820
Total	2.0300e-003	0.0131	0.0158	6.0000e-005	3.8300e-003	9.0000e-005	3.9200e-003	1.0300e-003	8.0000e-005	1.1200e-003	0.0000	5.5447	5.5447	3.7000e-004	0.0000	5.5541

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	0.0130	0.0860	0.0888	1.4000e-004		5.3600e-003	5.3600e-003		5.2900e-003	5.2900e-003	0.0000	11.6560	11.6560	1.4500e-003	0.0000	11.6923
Total	0.0130	0.0860	0.0888	1.4000e-004		5.3600e-003	5.3600e-003		5.2900e-003	5.2900e-003	0.0000	11.6560	11.6560	1.4500e-003	0.0000	11.6923

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3.7 Piping Installation - 2019

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	4.0000e-004	0.0116	2.9800e-003	3.0000e-005	6.3000e-004	7.0000e-005	7.0000e-004	1.8000e-004	6.0000e-005	2.5000e-004	0.0000	2.7652	2.7652	2.7000e-004	0.0000	2.7720
Worker	1.6300e-003	1.4600e-003	0.0129	3.0000e-005	3.2000e-003	2.0000e-005	3.2200e-003	8.5000e-004	2.0000e-005	8.7000e-004	0.0000	2.7795	2.7795	1.0000e-004	0.0000	2.7820
Total	2.0300e-003	0.0131	0.0158	6.0000e-005	3.8300e-003	9.0000e-005	3.9200e-003	1.0300e-003	8.0000e-005	1.1200e-003	0.0000	5.5447	5.5447	3.7000e-004	0.0000	5.5541

3.8 Asphalt/Concrete Paving - 2019

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	2.4200e-003	0.0239	0.0233	4.0000e-005		1.3500e-003	1.3500e-003		1.2500e-003	1.2500e-003	0.0000	3.1792	3.1792	9.7000e-004	0.0000	3.2034
Paving	2.1000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.6300e-003	0.0239	0.0233	4.0000e-005		1.3500e-003	1.3500e-003		1.2500e-003	1.2500e-003	0.0000	3.1792	3.1792	9.7000e-004	0.0000	3.2034

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3.8 Asphalt/Concrete Paving - 2019

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	4.5000e-004	4.0000e-004	3.5300e-003	1.0000e-005	8.8000e-004	1.0000e-005	8.8000e-004	2.3000e-004	1.0000e-005	2.4000e-004	0.0000	0.7630	0.7630	3.0000e-005	0.0000	0.7637
Total	4.5000e-004	4.0000e-004	3.5300e-003	1.0000e-005	8.8000e-004	1.0000e-005	8.8000e-004	2.3000e-004	1.0000e-005	2.4000e-004	0.0000	0.7630	0.7630	3.0000e-005	0.0000	0.7637

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	2.4200e-003	0.0239	0.0233	4.0000e-005		1.3500e-003	1.3500e-003		1.2500e-003	1.2500e-003	0.0000	3.1792	3.1792	9.7000e-004	0.0000	3.2034
Paving	2.1000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.6300e-003	0.0239	0.0233	4.0000e-005		1.3500e-003	1.3500e-003		1.2500e-003	1.2500e-003	0.0000	3.1792	3.1792	9.7000e-004	0.0000	3.2034

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3.8 Asphalt/Concrete Paving - 2019

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	4.5000e-004	4.0000e-004	3.5300e-003	1.0000e-005	8.8000e-004	1.0000e-005	8.8000e-004	2.3000e-004	1.0000e-005	2.4000e-004	0.0000	0.7630	0.7630	3.0000e-005	0.0000	0.7637
Total	4.5000e-004	4.0000e-004	3.5300e-003	1.0000e-005	8.8000e-004	1.0000e-005	8.8000e-004	2.3000e-004	1.0000e-005	2.4000e-004	0.0000	0.7630	0.7630	3.0000e-005	0.0000	0.7637

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	14.70	6.60	6.60	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.533808	0.036979	0.174634	0.113643	0.020106	0.005748	0.008732	0.091632	0.001423	0.002308	0.009089	0.000713	0.001184
Other Asphalt Surfaces	0.533808	0.036979	0.174634	0.113643	0.020106	0.005748	0.008732	0.091632	0.001423	0.002308	0.009089	0.000713	0.001184

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5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	206.1065	206.1065	8.5100e-003	1.7600e-003	206.8439
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	206.1065	206.1065	8.5100e-003	1.7600e-003	206.8439
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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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	646870	206.1065	8.5100e-003	1.7600e-003	206.8439
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		206.1065	8.5100e-003	1.7600e-003	206.8439

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	646870	206.1065	8.5100e-003	1.7600e-003	206.8439
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		206.1065	8.5100e-003	1.7600e-003	206.8439

6.0 Area Detail

6.1 Mitigation Measures Area

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2494	1.0000e-005	6.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2600e-003	1.2600e-003	0.0000	0.0000	1.3500e-003
Unmitigated	0.2494	1.0000e-005	6.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2600e-003	1.2600e-003	0.0000	0.0000	1.3500e-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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2493					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.0000e-005	1.0000e-005	6.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2600e-003	1.2600e-003	0.0000	0.0000	1.3500e-003
Total	0.2494	1.0000e-005	6.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2600e-003	1.2600e-003	0.0000	0.0000	1.3500e-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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2493					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.0000e-005	1.0000e-005	6.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2600e-003	1.2600e-003	0.0000	0.0000	1.3500e-003
Total	0.2494	1.0000e-005	6.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2600e-003	1.2600e-003	0.0000	0.0000	1.3500e-003

7.0 Water Detail

7.1 Mitigation Measures Water

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

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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	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

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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	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

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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	Total CO2	CH4	N2O	CO2e
Category	MT			
Unmitigated	-23.1660	0.0000	0.0000	-23.1660

11.1 Vegetation Land Change

Vegetation Type

	Initial/Final	Total CO2	CH4	N2O	CO2e
	Acres	MT			
Scrub	1.62 / 0	-23.1660	0.0000	0.0000	-23.1660
Total		-23.1660	0.0000	0.0000	-23.1660