

APPENDIX A: AIR QUALITY MODELING RESULTS

River Oaks Pump Station Regional Stormwater Capture Project - Santa Clara County, Annual

River Oaks Pump Station Regional Stormwater Capture Project
Santa Clara County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	0.57	1000sqft	0.01	570.00	0
Other Asphalt Surfaces	26.60	1000sqft	0.61	26,600.00	0
City Park	4.58	Acre	4.58	199,504.80	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2022
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	310	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 - Per PGE website, average CO2 intensity from 2014-2018 was 310.

Land Use - No buildings are associated with the park elements. Pump station building captured in Industrial land use.

Construction Phase - Schedule as estimated by engineers.

Off-road Equipment - Per engineers.

Off-road Equipment - Per engineers

Off-road Equipment - Per engineers.

Off-road Equipment - Per engineers

Off-road Equipment - No off-road equipment to be used for landscaping.

Off-road Equipment - Per engineers.

Off-road Equipment - Per engineers.

Trips and VMT - Per project description.

Demolition -

Grading - Per project description.

Architectural Coating - Paved area (perimeter pathway) would not be painted.

Vehicle Trips - Per project description.

Area Coating - Parking area represents perimeter pathway and would not be painted.

Energy Use - Per project description.

Water And Wastewater - Pump station water use negligible. Landscaping water use estimated at 50% of CalEEMod Default, based on CalEEMod User Guide Appendix D).

Solid Waste - Pump station would not produce solid waste.

Construction Off-road Equipment Mitigation - Per BAAQMD BMPs.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Parking	1,596.00	0.00
tblAreaCoating	Area_Parking	1596	0
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	5.00

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tblConstructionPhase	NumDays	230.00	15.00
tblConstructionPhase	NumDays	230.00	92.00
tblConstructionPhase	NumDays	20.00	5.00
tblConstructionPhase	NumDays	20.00	15.00
tblConstructionPhase	NumDays	20.00	5.00
tblConstructionPhase	NumDays	10.00	15.00
tblEnergyUse	LightingElect	1.62	0.00
tblEnergyUse	NT24E	7.99	24.33
tblEnergyUse	NT24NG	3.06	0.00
tblEnergyUse	T24E	0.14	0.00
tblEnergyUse	T24NG	0.73	0.00
tblGrading	AcresOfGrading	0.00	4.58
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00

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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	7.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	8.00	12.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	8.00	5.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	310
tblSolidWaste	SolidWasteGenerationRate	0.54	0.00
tblTripsAndVMT	HaulingTripNumber	0.00	1,334.00
tblTripsAndVMT	HaulingTripNumber	0.00	1,334.00
tblTripsAndVMT	HaulingTripNumber	0.00	1,334.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblTripsAndVMT	VendorTripNumber	0.00	8.00
tblTripsAndVMT	VendorTripNumber	37.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00

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tblTripsAndVMT	VendorTripNumber	37.00	6.00
tblTripsAndVMT	WorkerTripNumber	5.00	12.00
tblTripsAndVMT	WorkerTripNumber	15.00	12.00
tblTripsAndVMT	WorkerTripNumber	18.00	12.00
tblTripsAndVMT	WorkerTripNumber	95.00	12.00
tblTripsAndVMT	WorkerTripNumber	5.00	12.00
tblTripsAndVMT	WorkerTripNumber	19.00	12.00
tblTripsAndVMT	WorkerTripNumber	95.00	6.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	1.68	1.90
tblWater	IndoorWaterUseRate	131,812.50	0.00
tblWater	OutdoorWaterUseRate	5,456,984.58	2,726,263.00

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	2-1-2021	4-30-2021	1.0137	1.0137
2	5-1-2021	7-31-2021	0.0217	0.0217
3	8-1-2021	9-30-2021	0.0073	0.0073
		Highest	1.0137	1.0137

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	6.1500e-003	0.0000	2.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	5.7000e-004	5.7000e-004	0.0000	0.0000	6.0000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.9500	1.9500	1.8000e-004	4.0000e-005	1.9659
Mobile	7.4300e-003	0.0311	0.0840	2.9000e-004	0.0263	2.4000e-004	0.0265	7.0300e-003	2.3000e-004	7.2600e-003	0.0000	26.2079	26.2079	9.0000e-004	0.0000	26.2304
Waste						0.0000	0.0000		0.0000	0.0000	0.0792	0.0000	0.0792	4.6800e-003	0.0000	0.1961
Water						0.0000	0.0000		0.0000	0.0000	0.0000	1.3417	1.3417	1.3000e-004	3.0000e-005	1.3526
Total	0.0136	0.0311	0.0843	2.9000e-004	0.0263	2.4000e-004	0.0265	7.0300e-003	2.3000e-004	7.2600e-003	0.0792	29.5002	29.5794	5.8900e-003	7.0000e-005	29.7455

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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	6.1500e-003	0.0000	2.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	5.7000e-004	5.7000e-004	0.0000	0.0000	6.0000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.9500	1.9500	1.8000e-004	4.0000e-005	1.9659
Mobile	7.4300e-003	0.0311	0.0840	2.9000e-004	0.0263	2.4000e-004	0.0265	7.0300e-003	2.3000e-004	7.2600e-003	0.0000	26.2079	26.2079	9.0000e-004	0.0000	26.2304
Waste						0.0000	0.0000		0.0000	0.0000	0.0792	0.0000	0.0792	4.6800e-003	0.0000	0.1961
Water						0.0000	0.0000		0.0000	0.0000	0.0000	1.3417	1.3417	1.3000e-004	3.0000e-005	1.3526
Total	0.0136	0.0311	0.0843	2.9000e-004	0.0263	2.4000e-004	0.0265	7.0300e-003	2.3000e-004	7.2600e-003	0.0792	29.5002	29.5794	5.8900e-003	7.0000e-005	29.7455

	ROG	NOx	CO	SO2	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	2/1/2021	2/5/2021	5	5	
2	Site Preparation	Site Preparation	2/8/2021	2/26/2021	5	15	
3	Grading	Grading	3/1/2021	3/19/2021	5	15	
4	Building Construction	Building Construction	3/22/2021	4/9/2021	5	15	
5	Paving	Paving	4/12/2021	4/16/2021	5	5	
6	Architectural Coating	Architectural Coating	4/19/2021	4/23/2021	5	5	
7	Landscaping	Building Construction	4/26/2021	8/31/2021	5	92	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4.58

Acres of Paving: 0.61

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 855; Non-Residential Outdoor: 285; Striped Parking Area: 0
(Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	1	4.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Site Preparation	Bore/Drill Rigs	1	7.00	221	0.50
Site Preparation	Excavators	1	7.00	158	0.38
Site Preparation	Generator Sets	1	12.00	84	0.74
Site Preparation	Pumps	1	12.00	84	0.74
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40

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Site Preparation	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Grading	Excavators	1	7.00	158	0.38
Grading	Forklifts	1	4.00	89	0.20
Grading	Generator Sets	1	12.00	84	0.74
Grading	Graders	0	8.00	187	0.41
Grading	Pumps	1	12.00	84	0.74
Grading	Rollers	1	7.00	80	0.38
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	5.00	97	0.37
Building Construction	Air Compressors	1	7.00	78	0.48
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Excavators	1	7.00	158	0.38
Building Construction	Forklifts	1	7.00	89	0.20
Building Construction	Generator Sets	2	12.00	84	0.74
Building Construction	Pumps	2	12.00	84	0.74
Building Construction	Rollers	1	7.00	80	0.38
Building Construction	Tractors/Loaders/Backhoes	2	4.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Paving	Pavers	1	7.00	130	0.42
Paving	Paving Equipment	0	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Architectural Coating	Air Compressors	1	7.00	78	0.48
Landscaping	Cranes	0	7.00	231	0.29
Landscaping	Forklifts	0	8.00	89	0.20
Landscaping	Generator Sets	0	8.00	84	0.74
Landscaping	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Landscaping	Welders	0	8.00	46	0.45

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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
Demolition	2	12.00	4.00	7.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	6	12.00	6.00	1,334.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	7	12.00	8.00	1,334.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	11	12.00	4.00	1,334.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	2	12.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	12.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Landscaping	0	6.00	6.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

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3.2 Demolition - 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					
Fugitive Dust					7.3000e-004	0.0000	7.3000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.0000e-004	6.8400e-003	9.0300e-003	1.0000e-005		3.8000e-004	3.8000e-004		3.5000e-004	3.5000e-004	0.0000	1.1643	1.1643	3.8000e-004	0.0000	1.1738
Total	7.0000e-004	6.8400e-003	9.0300e-003	1.0000e-005	7.3000e-004	3.8000e-004	1.1100e-003	1.1000e-004	3.5000e-004	4.6000e-004	0.0000	1.1643	1.1643	3.8000e-004	0.0000	1.1738

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	3.0000e-005	9.4000e-004	2.0000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.2636	0.2636	1.0000e-005	0.0000	0.2639
Vendor	3.0000e-005	1.0300e-003	2.7000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.2590	0.2590	1.0000e-005	0.0000	0.2593
Worker	9.0000e-005	6.0000e-005	6.9000e-004	0.0000	2.4000e-004	0.0000	2.4000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1970	0.1970	0.0000	0.0000	0.1971
Total	1.5000e-004	2.0300e-003	1.1600e-003	0.0000	3.7000e-004	0.0000	3.7000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.7196	0.7196	2.0000e-005	0.0000	0.7202

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3.2 Demolition - 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					
Fugitive Dust					3.3000e-004	0.0000	3.3000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.0000e-004	6.8400e-003	9.0300e-003	1.0000e-005		3.8000e-004	3.8000e-004		3.5000e-004	3.5000e-004	0.0000	1.1643	1.1643	3.8000e-004	0.0000	1.1738
Total	7.0000e-004	6.8400e-003	9.0300e-003	1.0000e-005	3.3000e-004	3.8000e-004	7.1000e-004	5.0000e-005	3.5000e-004	4.0000e-004	0.0000	1.1643	1.1643	3.8000e-004	0.0000	1.1738

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	3.0000e-005	9.4000e-004	2.0000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.2636	0.2636	1.0000e-005	0.0000	0.2639
Vendor	3.0000e-005	1.0300e-003	2.7000e-004	0.0000	6.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.2590	0.2590	1.0000e-005	0.0000	0.2593
Worker	9.0000e-005	6.0000e-005	6.9000e-004	0.0000	2.3000e-004	0.0000	2.3000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1970	0.1970	0.0000	0.0000	0.1971
Total	1.5000e-004	2.0300e-003	1.1600e-003	0.0000	3.5000e-004	0.0000	3.6000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.7196	0.7196	2.0000e-005	0.0000	0.7202

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3.3 Site Preparation - 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					
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	0.0140	0.1306	0.1483	2.8000e-004		6.6400e-003	6.6400e-003		6.4200e-003	6.4200e-003	0.0000	24.7077	24.7077	4.5500e-003	0.0000	24.8214
Total	0.0140	0.1306	0.1483	2.8000e-004	0.0000	6.6400e-003	6.6400e-003	0.0000	6.4200e-003	6.4200e-003	0.0000	24.7077	24.7077	4.5500e-003	0.0000	24.8214

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	5.2300e-003	0.1784	0.0389	5.2000e-004	0.0113	5.6000e-004	0.0119	3.1100e-003	5.3000e-004	3.6400e-003	0.0000	50.2273	50.2273	2.2800e-003	0.0000	50.2843
Vendor	1.5000e-004	4.6200e-003	1.2300e-003	1.0000e-005	3.0000e-004	1.0000e-005	3.1000e-004	9.0000e-005	1.0000e-005	1.0000e-004	0.0000	1.1656	1.1656	5.0000e-005	0.0000	1.1669
Worker	2.8000e-004	1.9000e-004	2.0600e-003	1.0000e-005	7.1000e-004	0.0000	7.2000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.5909	0.5909	1.0000e-005	0.0000	0.5912
Total	5.6600e-003	0.1832	0.0422	5.4000e-004	0.0123	5.7000e-004	0.0129	3.3900e-003	5.4000e-004	3.9300e-003	0.0000	51.9838	51.9838	2.3400e-003	0.0000	52.0424

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3.3 Site Preparation - 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					
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	0.0140	0.1306	0.1483	2.8000e-004		6.6400e-003	6.6400e-003		6.4200e-003	6.4200e-003	0.0000	24.7076	24.7076	4.5500e-003	0.0000	24.8214
Total	0.0140	0.1306	0.1483	2.8000e-004	0.0000	6.6400e-003	6.6400e-003	0.0000	6.4200e-003	6.4200e-003	0.0000	24.7076	24.7076	4.5500e-003	0.0000	24.8214

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	5.2300e-003	0.1784	0.0389	5.2000e-004	0.0109	5.6000e-004	0.0114	3.0100e-003	5.3000e-004	3.5400e-003	0.0000	50.2273	50.2273	2.2800e-003	0.0000	50.2843
Vendor	1.5000e-004	4.6200e-003	1.2300e-003	1.0000e-005	2.9000e-004	1.0000e-005	3.0000e-004	8.0000e-005	1.0000e-005	9.0000e-005	0.0000	1.1656	1.1656	5.0000e-005	0.0000	1.1669
Worker	2.8000e-004	1.9000e-004	2.0600e-003	1.0000e-005	6.8000e-004	0.0000	6.9000e-004	1.8000e-004	0.0000	1.9000e-004	0.0000	0.5909	0.5909	1.0000e-005	0.0000	0.5912
Total	5.6600e-003	0.1832	0.0422	5.4000e-004	0.0119	5.7000e-004	0.0124	3.2700e-003	5.4000e-004	3.8200e-003	0.0000	51.9838	51.9838	2.3400e-003	0.0000	52.0424

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3.4 Grading - 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					
Fugitive Dust					2.4300e-003	0.0000	2.4300e-003	2.6000e-004	0.0000	2.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0133	0.1207	0.1429	2.3000e-004		6.7000e-003	6.7000e-003		6.4800e-003	6.4800e-003	0.0000	20.2704	20.2704	3.1100e-003	0.0000	20.3483
Total	0.0133	0.1207	0.1429	2.3000e-004	2.4300e-003	6.7000e-003	9.1300e-003	2.6000e-004	6.4800e-003	6.7400e-003	0.0000	20.2704	20.2704	3.1100e-003	0.0000	20.3483

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	5.2300e-003	0.1784	0.0389	5.2000e-004	0.0113	5.6000e-004	0.0119	3.1100e-003	5.3000e-004	3.6400e-003	0.0000	50.2273	50.2273	2.2800e-003	0.0000	50.2843
Vendor	2.0000e-004	6.1700e-003	1.6400e-003	2.0000e-005	3.9000e-004	1.0000e-005	4.1000e-004	1.1000e-004	1.0000e-005	1.3000e-004	0.0000	1.5542	1.5542	7.0000e-005	0.0000	1.5559
Worker	2.8000e-004	1.9000e-004	2.0600e-003	1.0000e-005	7.1000e-004	0.0000	7.2000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.5909	0.5909	1.0000e-005	0.0000	0.5912
Total	5.7100e-003	0.1847	0.0426	5.5000e-004	0.0124	5.7000e-004	0.0130	3.4100e-003	5.4000e-004	3.9600e-003	0.0000	52.3724	52.3724	2.3600e-003	0.0000	52.4314

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3.4 Grading - 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					
Fugitive Dust					1.0900e-003	0.0000	1.0900e-003	1.2000e-004	0.0000	1.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0133	0.1207	0.1429	2.3000e-004		6.7000e-003	6.7000e-003		6.4800e-003	6.4800e-003	0.0000	20.2704	20.2704	3.1100e-003	0.0000	20.3483
Total	0.0133	0.1207	0.1429	2.3000e-004	1.0900e-003	6.7000e-003	7.7900e-003	1.2000e-004	6.4800e-003	6.6000e-003	0.0000	20.2704	20.2704	3.1100e-003	0.0000	20.3483

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	5.2300e-003	0.1784	0.0389	5.2000e-004	0.0109	5.6000e-004	0.0114	3.0100e-003	5.3000e-004	3.5400e-003	0.0000	50.2273	50.2273	2.2800e-003	0.0000	50.2843
Vendor	2.0000e-004	6.1700e-003	1.6400e-003	2.0000e-005	3.8000e-004	1.0000e-005	3.9000e-004	1.1000e-004	1.0000e-005	1.2000e-004	0.0000	1.5542	1.5542	7.0000e-005	0.0000	1.5559
Worker	2.8000e-004	1.9000e-004	2.0600e-003	1.0000e-005	6.8000e-004	0.0000	6.9000e-004	1.8000e-004	0.0000	1.9000e-004	0.0000	0.5909	0.5909	1.0000e-005	0.0000	0.5912
Total	5.7100e-003	0.1847	0.0426	5.5000e-004	0.0119	5.7000e-004	0.0125	3.3000e-003	5.4000e-004	3.8500e-003	0.0000	52.3724	52.3724	2.3600e-003	0.0000	52.4314

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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	0.0251	0.2237	0.2488	4.3000e-004		0.0122	0.0122		0.0119	0.0119	0.0000	36.9884	36.9884	4.5100e-003	0.0000	37.1011
Total	0.0251	0.2237	0.2488	4.3000e-004		0.0122	0.0122		0.0119	0.0119	0.0000	36.9884	36.9884	4.5100e-003	0.0000	37.1011

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	5.2300e-003	0.1784	0.0389	5.2000e-004	0.0113	5.6000e-004	0.0119	3.1100e-003	5.3000e-004	3.6400e-003	0.0000	50.2273	50.2273	2.2800e-003	0.0000	50.2843
Vendor	1.0000e-004	3.0800e-003	8.2000e-004	1.0000e-005	2.0000e-004	1.0000e-005	2.0000e-004	6.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.7771	0.7771	3.0000e-005	0.0000	0.7779
Worker	2.8000e-004	1.9000e-004	2.0600e-003	1.0000e-005	7.1000e-004	0.0000	7.2000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.5909	0.5909	1.0000e-005	0.0000	0.5912
Total	5.6100e-003	0.1817	0.0418	5.4000e-004	0.0122	5.7000e-004	0.0128	3.3600e-003	5.4000e-004	3.8900e-003	0.0000	51.5953	51.5953	2.3200e-003	0.0000	51.6534

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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	0.0251	0.2237	0.2488	4.3000e-004		0.0122	0.0122		0.0119	0.0119	0.0000	36.9883	36.9883	4.5100e-003	0.0000	37.1011
Total	0.0251	0.2237	0.2488	4.3000e-004		0.0122	0.0122		0.0119	0.0119	0.0000	36.9883	36.9883	4.5100e-003	0.0000	37.1011

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	5.2300e-003	0.1784	0.0389	5.2000e-004	0.0109	5.6000e-004	0.0114	3.0100e-003	5.3000e-004	3.5400e-003	0.0000	50.2273	50.2273	2.2800e-003	0.0000	50.2843
Vendor	1.0000e-004	3.0800e-003	8.2000e-004	1.0000e-005	1.9000e-004	1.0000e-005	2.0000e-004	6.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.7771	0.7771	3.0000e-005	0.0000	0.7779
Worker	2.8000e-004	1.9000e-004	2.0600e-003	1.0000e-005	6.8000e-004	0.0000	6.9000e-004	1.8000e-004	0.0000	1.9000e-004	0.0000	0.5909	0.5909	1.0000e-005	0.0000	0.5912
Total	5.6100e-003	0.1817	0.0418	5.4000e-004	0.0118	5.7000e-004	0.0123	3.2500e-003	5.4000e-004	3.7900e-003	0.0000	51.5953	51.5953	2.3200e-003	0.0000	51.6534

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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	9.5000e-004	9.8900e-003	0.0105	2.0000e-005		5.3000e-004	5.3000e-004		4.9000e-004	4.9000e-004	0.0000	1.4073	1.4073	4.6000e-004	0.0000	1.4187
Paving	8.0000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.7500e-003	9.8900e-003	0.0105	2.0000e-005		5.3000e-004	5.3000e-004		4.9000e-004	4.9000e-004	0.0000	1.4073	1.4073	4.6000e-004	0.0000	1.4187

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	3.0000e-005	1.0300e-003	2.7000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.2590	0.2590	1.0000e-005	0.0000	0.2593
Worker	9.0000e-005	6.0000e-005	6.9000e-004	0.0000	2.4000e-004	0.0000	2.4000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1970	0.1970	0.0000	0.0000	0.1971
Total	1.2000e-004	1.0900e-003	9.6000e-004	0.0000	3.1000e-004	0.0000	3.1000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.4560	0.4560	1.0000e-005	0.0000	0.4564

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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	9.5000e-004	9.8900e-003	0.0105	2.0000e-005		5.3000e-004	5.3000e-004		4.9000e-004	4.9000e-004	0.0000	1.4073	1.4073	4.6000e-004	0.0000	1.4187
Paving	8.0000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.7500e-003	9.8900e-003	0.0105	2.0000e-005		5.3000e-004	5.3000e-004		4.9000e-004	4.9000e-004	0.0000	1.4073	1.4073	4.6000e-004	0.0000	1.4187

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	3.0000e-005	1.0300e-003	2.7000e-004	0.0000	6.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.2590	0.2590	1.0000e-005	0.0000	0.2593
Worker	9.0000e-005	6.0000e-005	6.9000e-004	0.0000	2.3000e-004	0.0000	2.3000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1970	0.1970	0.0000	0.0000	0.1971
Total	1.2000e-004	1.0900e-003	9.6000e-004	0.0000	2.9000e-004	0.0000	3.0000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.4560	0.4560	1.0000e-005	0.0000	0.4564

River Oaks Pump Station Regional Stormwater Capture Project - Santa Clara County, Annual

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	2.9700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.4000e-004	4.4500e-003	5.3000e-003	1.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004	0.0000	0.7447	0.7447	5.0000e-005	0.0000	0.7460
Total	3.6100e-003	4.4500e-003	5.3000e-003	1.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004	0.0000	0.7447	0.7447	5.0000e-005	0.0000	0.7460

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	3.0000e-005	1.0300e-003	2.7000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.2590	0.2590	1.0000e-005	0.0000	0.2593
Worker	9.0000e-005	6.0000e-005	6.9000e-004	0.0000	2.4000e-004	0.0000	2.4000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1970	0.1970	0.0000	0.0000	0.1971
Total	1.2000e-004	1.0900e-003	9.6000e-004	0.0000	3.1000e-004	0.0000	3.1000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.4560	0.4560	1.0000e-005	0.0000	0.4564

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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	2.9700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.4000e-004	4.4500e-003	5.3000e-003	1.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004	0.0000	0.7447	0.7447	5.0000e-005	0.0000	0.7460
Total	3.6100e-003	4.4500e-003	5.3000e-003	1.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004	0.0000	0.7447	0.7447	5.0000e-005	0.0000	0.7460

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	3.0000e-005	1.0300e-003	2.7000e-004	0.0000	6.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.2590	0.2590	1.0000e-005	0.0000	0.2593
Worker	9.0000e-005	6.0000e-005	6.9000e-004	0.0000	2.3000e-004	0.0000	2.3000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1970	0.1970	0.0000	0.0000	0.1971
Total	1.2000e-004	1.0900e-003	9.6000e-004	0.0000	2.9000e-004	0.0000	3.0000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.4560	0.4560	1.0000e-005	0.0000	0.4564

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3.8 Landscaping - 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	0.0000	0.0000	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	0.0000	0.0000	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 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	9.0000e-004	0.0284	7.5500e-003	7.0000e-005	1.8200e-003	6.0000e-005	1.8800e-003	5.2000e-004	6.0000e-005	5.9000e-004	0.0000	7.1492	7.1492	3.1000e-004	0.0000	7.1570
Worker	8.5000e-004	5.9000e-004	6.3100e-003	2.0000e-005	2.1900e-003	1.0000e-005	2.2000e-003	5.8000e-004	1.0000e-005	5.9000e-004	0.0000	1.8121	1.8121	4.0000e-005	0.0000	1.8131
Total	1.7500e-003	0.0290	0.0139	9.0000e-005	4.0100e-003	7.0000e-005	4.0800e-003	1.1000e-003	7.0000e-005	1.1800e-003	0.0000	8.9613	8.9613	3.5000e-004	0.0000	8.9701

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3.8 Landscaping - 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	0.0000	0.0000	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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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	9.0000e-004	0.0284	7.5500e-003	7.0000e-005	1.7500e-003	6.0000e-005	1.8100e-003	5.1000e-004	6.0000e-005	5.7000e-004	0.0000	7.1492	7.1492	3.1000e-004	0.0000	7.1570
Worker	8.5000e-004	5.9000e-004	6.3100e-003	2.0000e-005	2.0900e-003	1.0000e-005	2.1100e-003	5.6000e-004	1.0000e-005	5.7000e-004	0.0000	1.8121	1.8121	4.0000e-005	0.0000	1.8131
Total	1.7500e-003	0.0290	0.0139	9.0000e-005	3.8400e-003	7.0000e-005	3.9200e-003	1.0700e-003	7.0000e-005	1.1400e-003	0.0000	8.9613	8.9613	3.5000e-004	0.0000	8.9701

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	7.4300e-003	0.0311	0.0840	2.9000e-004	0.0263	2.4000e-004	0.0265	7.0300e-003	2.3000e-004	7.2600e-003	0.0000	26.2079	26.2079	9.0000e-004	0.0000	26.2304
Unmitigated	7.4300e-003	0.0311	0.0840	2.9000e-004	0.0263	2.4000e-004	0.0265	7.0300e-003	2.3000e-004	7.2600e-003	0.0000	26.2079	26.2079	9.0000e-004	0.0000	26.2304

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	8.66	104.20	76.67	68,360	68,360
Other Asphalt Surfaces	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	1.08	0.00	0.00	2,258	2,258
Total	9.74	104.20	76.67	70,618	70,618

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
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No	9.50	7.30	7.30	59.00	0.00	41.00	92	5	3

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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			
City Park	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	13868.1	1.9500	1.8000e-004	4.0000e-005	1.9659
Total		1.9500	1.8000e-004	4.0000e-005	1.9659

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	13868.1	1.9500	1.8000e-004	4.0000e-005	1.9659
Total		1.9500	1.8000e-004	4.0000e-005	1.9659

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6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	6.1500e-003	0.0000	2.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	5.7000e-004	5.7000e-004	0.0000	0.0000	6.0000e-004
Unmitigated	6.1500e-003	0.0000	2.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	5.7000e-004	5.7000e-004	0.0000	0.0000	6.0000e-004

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6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	3.0000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	5.8200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.0000e-005	0.0000	2.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	5.7000e-004	5.7000e-004	0.0000	0.0000	6.0000e-004
Total	6.1500e-003	0.0000	2.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	5.7000e-004	5.7000e-004	0.0000	0.0000	6.0000e-004

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	3.0000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	5.8200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.0000e-005	0.0000	2.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	5.7000e-004	5.7000e-004	0.0000	0.0000	6.0000e-004
Total	6.1500e-003	0.0000	2.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	5.7000e-004	5.7000e-004	0.0000	0.0000	6.0000e-004

7.0 Water Detail

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7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	1.3417	1.3000e-004	3.0000e-005	1.3526
Unmitigated	1.3417	1.3000e-004	3.0000e-005	1.3526

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 2.72626	1.3417	1.3000e-004	3.0000e-005	1.3526
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		1.3417	1.3000e-004	3.0000e-005	1.3526

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 2.72626	1.3417	1.3000e-004	3.0000e-005	1.3526
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		1.3417	1.3000e-004	3.0000e-005	1.3526

8.0 Waste Detail

8.1 Mitigation Measures Waste

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Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0792	4.6800e-003	0.0000	0.1961
Unmitigated	0.0792	4.6800e-003	0.0000	0.1961

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.39	0.0792	4.6800e-003	0.0000	0.1961
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Total		0.0792	4.6800e-003	0.0000	0.1961

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8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.39	0.0792	4.6800e-003	0.0000	0.1961
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Total		0.0792	4.6800e-003	0.0000	0.1961

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
