

CVWD Whitewater Groundwater Replenishment Facility Operations - Riverside-Salton Sea County, Annual

**CVWD Whitewater Groundwater Replenishment Facility Operations
Riverside-Salton Sea County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	0.14	1000sqft	0.00	144.00	0
Other Non-Asphalt Surfaces	112.20	Acre	112.20	4,887,432.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2021
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 - Acreage of graded areas only: Ponds 1, 2, 10, and 11 and Section 24 Berm #2. Electrical building = 12' by 12'.

Construction Phase - Section 24 work occurs before storms and occurs approximately 5 times per year. Most of the rainfall in the Coachella Valley occurs from November through March. Pond Maintenance occurs at least 21 days per year between February and March and can occur over up to 60 days. Section 24 work never overlaps with pond maintenance.

Off-road Equipment - One excavator and one bulldozer.

Off-road Equipment - One excavator and one bulldozer.

Off-road Equipment - Based on CVWD-provided operations details. The articulating rock trucks are represented by off-highway trucks with 320 horsepower.

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Off-road Equipment - One excavator and one bulldozer.

Grading - Limiting speeds to 15 mph consistent with SCAQMD Rule 403.

Pond Maintenance = Pond 1 (15.44) + Pond 2 (18.54) + Pond 10 (37.61) + Pond 11 (40.48) = 112.07 acres.

Section 24 = 0.128 (0.064 x 2 times graded).

Trips and VMT - One worker per piece of construction equipment. The 22 vendor trips represent 11 trips onsite for 5 water trucks and 6 service trucks.

On-road Fugitive Dust - Assume 50 percent paved to account for dirt roads onsite.

Vehicle Trips - Electrical building trips account for worker commutes. Assuming anjourarity of workers commute from Cathedral City, which is approximately 13 miles from the Project site. Facility (non-asphalt) trips account for operational driving around the Project site.

Road Dust - Assuming 25 percent of commute trips to the site and operational trips onsite are paved.

Area Coating -

Water And Wastewater - The electrical building does not generate water demand. Water use from water trucks onsite do not generate GHGs.

Solid Waste - The electrical building does not generate solid waste.

Operational Off-Road Equipment - Operational trips included in operational-mobile page for Non-asphalt land use

Construction Off-road Equipment Mitigation - SCAQMD Fugitive Dust Rule

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	250	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True

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tblLandUse	LandUseSquareFeet	140.00	144.00
tblOffRoadEquipment	HorsePower	402.00	320.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	PhaseName		Excavation: Pond Maintenance
tblOnRoadDust	VendorPercentPave	100.00	50.00
tblOnRoadDust	VendorPercentPave	100.00	50.00
tblOnRoadDust	VendorPercentPave	100.00	50.00
tblOnRoadDust	VendorPercentPave	100.00	50.00
tblOnRoadDust	VendorPercentPave	100.00	50.00
tblOnRoadDust	VendorPercentPave	100.00	50.00
tblOnRoadDust	VendorPercentPave	100.00	50.00
tblOnRoadDust	WorkerPercentPave	100.00	50.00
tblOnRoadDust	WorkerPercentPave	100.00	50.00
tblOnRoadDust	WorkerPercentPave	100.00	50.00
tblOnRoadDust	WorkerPercentPave	100.00	50.00
tblOnRoadDust	WorkerPercentPave	100.00	50.00
tblOnRoadDust	WorkerPercentPave	100.00	50.00
tblOnRoadDust	WorkerPercentPave	100.00	50.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblRoadDust	RoadPercentPave	100	25
tblSolidWaste	SolidWasteGenerationRate	0.13	0.00
tblTripsAndVMT	VendorTripNumber	0.00	22.00
tblTripsAndVMT	WorkerTripNumber	5.00	4.00
tblTripsAndVMT	WorkerTripNumber	45.00	36.00

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tblTripsAndVMT	WorkerTripNumber	5.00	4.00
tblTripsAndVMT	WorkerTripNumber	5.00	4.00
tblTripsAndVMT	WorkerTripNumber	5.00	4.00
tblTripsAndVMT	WorkerTripNumber	5.00	4.00
tblVehicleTrips	CC_TL	6.20	20.00
tblVehicleTrips	CC_TL	6.20	0.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CNW_TL	6.20	0.00
tblVehicleTrips	CNW_TL	6.20	0.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TL	13.80	0.00
tblVehicleTrips	CW_TL	13.80	0.00
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	HW_TL	0.00	13.00
tblVehicleTrips	HW_TTP	0.00	100.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	0.00	0.04
tblVehicleTrips	ST_TR	1.68	27.70
tblVehicleTrips	SU_TR	0.00	0.04
tblVehicleTrips	SU_TR	1.68	27.70
tblVehicleTrips	WD_TR	0.00	0.04
tblVehicleTrips	WD_TR	1.68	27.70
tblWater	IndoorWaterUseRate	32,375.00	0.00

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2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.1147	1.1416	0.7111	2.0400e-003	14.1779	0.0451	14.2229	1.5266	0.0415	1.5681	0.0000	180.9688	180.9688	0.0520	0.0000	182.2686
Maximum	0.1147	1.1416	0.7111	2.0400e-003	14.1779	0.0451	14.2229	1.5266	0.0415	1.5681	0.0000	180.9688	180.9688	0.0520	0.0000	182.2686

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.1147	1.1416	0.7111	2.0400e-003	4.2070	0.0451	4.2520	0.4668	0.0415	0.5083	0.0000	180.9686	180.9686	0.0520	0.0000	182.2685
Maximum	0.1147	1.1416	0.7111	2.0400e-003	4.2070	0.0451	4.2520	0.4668	0.0415	0.5083	0.0000	180.9686	180.9686	0.0520	0.0000	182.2685

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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	70.33	0.00	70.10	69.42	0.00	67.58	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2021	3-31-2021	1.1927	1.1927
2	4-1-2021	6-30-2021	0.0197	0.0197
		Highest	1.1927	1.1927

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	0.4867	1.0000e-005	1.0400e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0100e-003	2.0100e-003	1.0000e-005	0.0000	2.1400e-003
Energy	0.0000	1.0000e-005	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.1239	0.1239	0.0000	0.0000	0.1244
Mobile	3.1800e-003	0.0289	0.0502	2.3000e-004	13.3353	1.7000e-004	13.3355	1.3293	1.6000e-004	1.3295	0.0000	21.1704	21.1704	8.8000e-004	0.0000	21.1924
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	0.4898	0.0289	0.0512	2.3000e-004	13.3353	1.7000e-004	13.3355	1.3293	1.6000e-004	1.3295	0.0000	21.2963	21.2963	8.9000e-004	0.0000	21.3189

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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	0.3846	1.0000e-005	1.0400e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0100e-003	2.0100e-003	1.0000e-005	0.0000	2.1400e-003
Energy	0.0000	1.0000e-005	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.1239	0.1239	0.0000	0.0000	0.1244
Mobile	3.1800e-003	0.0289	0.0502	2.3000e-004	13.3353	1.7000e-004	13.3355	1.3293	1.6000e-004	1.3295	0.0000	21.1704	21.1704	8.8000e-004	0.0000	21.1924
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	0.3878	0.0289	0.0512	2.3000e-004	13.3353	1.7000e-004	13.3355	1.3293	1.6000e-004	1.3295	0.0000	21.2963	21.2963	8.9000e-004	0.0000	21.3189

	ROG	NOx	CO	SO2	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	20.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading 1: Section 24 Operation	Grading	1/1/2021	1/2/2021	7	2	
2	Grading 2: Section 24 Operation	Grading	1/30/2021	1/31/2021	7	2	
3	Excavation: Pond Maintenance	Grading	2/1/2021	4/1/2021	7	60	
4	Grading 3: Section 24 Operation	Grading	11/1/2021	11/2/2021	7	2	
5	Grading 4: Section 24 Operation	Grading	11/29/2021	11/30/2021	7	2	
6	Grading 5: Section 24 Operation	Grading	12/15/2021	12/16/2021	7	2	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 112.2

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

OffRoad Equipment

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading 1: Section 24 Operation	Excavators	1	8.00	158	0.38
Grading 1: Section 24 Operation	Rubber Tired Dozers	1	8.00	247	0.40
Excavation: Pond Maintenance	Excavators	2	8.00	158	0.38
Excavation: Pond Maintenance	Graders	1	8.00	187	0.41
Excavation: Pond Maintenance	Off-Highway Trucks	3	8.00	320	0.38
Excavation: Pond Maintenance	Rubber Tired Dozers	1	8.00	247	0.40
Grading 2: Section 24 Operation	Excavators	1	8.00	158	0.38
Grading 2: Section 24 Operation	Rubber Tired Dozers	1	8.00	247	0.40
Grading 3: Section 24 Operation	Excavators	1	8.00	158	0.38
Grading 3: Section 24 Operation	Rubber Tired Dozers	1	8.00	247	0.40
Grading 4: Section 24 Operation	Excavators	1	8.00	158	0.38
Grading 4: Section 24 Operation	Rubber Tired Dozers	1	8.00	247	0.40
Grading 5: Section 24 Operation	Excavators	1	8.00	158	0.38
Grading 5: Section 24 Operation	Rubber Tired Dozers	1	8.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading 1: Section 24 Operation	2	4.00	0.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Excavation: Pond Maintenance	18	36.00	22.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Grading 2: Section 24 Operation	2	4.00	0.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Grading 3: Section 24 Operation	2	4.00	0.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Grading 4: Section 24 Operation	2	4.00	0.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Grading 5: Section 24 Operation	2	4.00	0.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

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Use Soil Stabilizer

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

3.2 Grading 1: Section 24 Operation - 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					6.3300e-003	0.0000	6.3300e-003	3.3600e-003	0.0000	3.3600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2800e-003	0.0131	7.3100e-003	1.0000e-005		6.4000e-004	6.4000e-004		5.9000e-004	5.9000e-004	0.0000	1.2043	1.2043	3.9000e-004	0.0000	1.2141
Total	1.2800e-003	0.0131	7.3100e-003	1.0000e-005	6.3300e-003	6.4000e-004	6.9700e-003	3.3600e-003	5.9000e-004	3.9500e-003	0.0000	1.2043	1.2043	3.9000e-004	0.0000	1.2141

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3.2 Grading 1: Section 24 Operation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	1.0000e-005	1.3000e-004	0.0000	0.0397	0.0000	0.0397	3.9700e-003	0.0000	3.9700e-003	0.0000	0.0353	0.0353	0.0000	0.0000	0.0353
Total	2.0000e-005	1.0000e-005	1.3000e-004	0.0000	0.0397	0.0000	0.0397	3.9700e-003	0.0000	3.9700e-003	0.0000	0.0353	0.0353	0.0000	0.0000	0.0353

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					2.7100e-003	0.0000	2.7100e-003	1.4400e-003	0.0000	1.4400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2800e-003	0.0131	7.3100e-003	1.0000e-005		6.4000e-004	6.4000e-004		5.9000e-004	5.9000e-004	0.0000	1.2043	1.2043	3.9000e-004	0.0000	1.2141
Total	1.2800e-003	0.0131	7.3100e-003	1.0000e-005	2.7100e-003	6.4000e-004	3.3500e-003	1.4400e-003	5.9000e-004	2.0300e-003	0.0000	1.2043	1.2043	3.9000e-004	0.0000	1.2141

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3.2 Grading 1: Section 24 Operation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	1.0000e-005	1.3000e-004	0.0000	0.0116	0.0000	0.0116	1.1600e-003	0.0000	1.1600e-003	0.0000	0.0353	0.0353	0.0000	0.0000	0.0353
Total	2.0000e-005	1.0000e-005	1.3000e-004	0.0000	0.0116	0.0000	0.0116	1.1600e-003	0.0000	1.1600e-003	0.0000	0.0353	0.0353	0.0000	0.0000	0.0353

3.3 Grading 2: Section 24 Operation - 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					6.3300e-003	0.0000	6.3300e-003	3.3600e-003	0.0000	3.3600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2800e-003	0.0131	7.3100e-003	1.0000e-005		6.4000e-004	6.4000e-004		5.9000e-004	5.9000e-004	0.0000	1.2043	1.2043	3.9000e-004	0.0000	1.2141
Total	1.2800e-003	0.0131	7.3100e-003	1.0000e-005	6.3300e-003	6.4000e-004	6.9700e-003	3.3600e-003	5.9000e-004	3.9500e-003	0.0000	1.2043	1.2043	3.9000e-004	0.0000	1.2141

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3.3 Grading 2: Section 24 Operation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	1.0000e-005	1.3000e-004	0.0000	0.0397	0.0000	0.0397	3.9700e-003	0.0000	3.9700e-003	0.0000	0.0353	0.0353	0.0000	0.0000	0.0353
Total	2.0000e-005	1.0000e-005	1.3000e-004	0.0000	0.0397	0.0000	0.0397	3.9700e-003	0.0000	3.9700e-003	0.0000	0.0353	0.0353	0.0000	0.0000	0.0353

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					2.7100e-003	0.0000	2.7100e-003	1.4400e-003	0.0000	1.4400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2800e-003	0.0131	7.3100e-003	1.0000e-005		6.4000e-004	6.4000e-004		5.9000e-004	5.9000e-004	0.0000	1.2043	1.2043	3.9000e-004	0.0000	1.2141
Total	1.2800e-003	0.0131	7.3100e-003	1.0000e-005	2.7100e-003	6.4000e-004	3.3500e-003	1.4400e-003	5.9000e-004	2.0300e-003	0.0000	1.2043	1.2043	3.9000e-004	0.0000	1.2141

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3.3 Grading 2: Section 24 Operation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	1.0000e-005	1.3000e-004	0.0000	0.0116	0.0000	0.0116	1.1600e-003	0.0000	1.1600e-003	0.0000	0.0353	0.0353	0.0000	0.0000	0.0353
Total	2.0000e-005	1.0000e-005	1.3000e-004	0.0000	0.0116	0.0000	0.0116	1.1600e-003	0.0000	1.1600e-003	0.0000	0.0353	0.0353	0.0000	0.0000	0.0353

3.4 Excavation: Pond Maintenance - 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					0.4459	0.0000	0.4459	0.1409	0.0000	0.1409	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1021	1.0132	0.6287	1.7100e-003		0.0417	0.0417		0.0384	0.0384	0.0000	150.3008	150.3008	0.0486	0.0000	151.5161
Total	0.1021	1.0132	0.6287	1.7100e-003	0.4459	0.0417	0.4876	0.1409	0.0384	0.1793	0.0000	150.3008	150.3008	0.0486	0.0000	151.5161

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3.4 Excavation: Pond Maintenance - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.5100e-003	0.0597	0.0115	1.6000e-004	2.7825	1.1000e-004	2.7826	0.2782	1.0000e-004	0.2783	0.0000	14.9340	14.9340	1.2100e-003	0.0000	14.9643
Worker	4.6100e-003	3.1000e-003	0.0338	1.1000e-004	10.7193	7.0000e-005	10.7194	1.0709	7.0000e-005	1.0709	0.0000	9.5357	9.5357	2.2000e-004	0.0000	9.5412
Total	6.1200e-003	0.0628	0.0453	2.7000e-004	13.5018	1.8000e-004	13.5020	1.3490	1.7000e-004	1.3492	0.0000	24.4697	24.4697	1.4300e-003	0.0000	24.5056

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					0.1906	0.0000	0.1906	0.0603	0.0000	0.0603	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1021	1.0132	0.6287	1.7100e-003		0.0417	0.0417		0.0384	0.0384	0.0000	150.3006	150.3006	0.0486	0.0000	151.5159
Total	0.1021	1.0132	0.6287	1.7100e-003	0.1906	0.0417	0.2323	0.0603	0.0384	0.0986	0.0000	150.3006	150.3006	0.0486	0.0000	151.5159

CVWD Whitewater Groundwater Replenishment Facility Operations - Riverside-Salton Sea County, Annual

3.4 Excavation: Pond Maintenance - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.5100e-003	0.0597	0.0115	1.6000e-004	0.8134	1.1000e-004	0.8135	0.0813	1.0000e-004	0.0814	0.0000	14.9340	14.9340	1.2100e-003	0.0000	14.9643
Worker	4.6100e-003	3.1000e-003	0.0338	1.1000e-004	3.1315	7.0000e-005	3.1316	0.3123	7.0000e-005	0.3124	0.0000	9.5357	9.5357	2.2000e-004	0.0000	9.5412
Total	6.1200e-003	0.0628	0.0453	2.7000e-004	3.9448	1.8000e-004	3.9450	0.3936	1.7000e-004	0.3938	0.0000	24.4697	24.4697	1.4300e-003	0.0000	24.5056

3.5 Grading 3: Section 24 Operation - 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					6.3300e-003	0.0000	6.3300e-003	3.3600e-003	0.0000	3.3600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2800e-003	0.0131	7.3100e-003	1.0000e-005		6.4000e-004	6.4000e-004		5.9000e-004	5.9000e-004	0.0000	1.2043	1.2043	3.9000e-004	0.0000	1.2141
Total	1.2800e-003	0.0131	7.3100e-003	1.0000e-005	6.3300e-003	6.4000e-004	6.9700e-003	3.3600e-003	5.9000e-004	3.9500e-003	0.0000	1.2043	1.2043	3.9000e-004	0.0000	1.2141

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3.5 Grading 3: Section 24 Operation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	1.0000e-005	1.3000e-004	0.0000	0.0397	0.0000	0.0397	3.9700e-003	0.0000	3.9700e-003	0.0000	0.0353	0.0353	0.0000	0.0000	0.0353
Total	2.0000e-005	1.0000e-005	1.3000e-004	0.0000	0.0397	0.0000	0.0397	3.9700e-003	0.0000	3.9700e-003	0.0000	0.0353	0.0353	0.0000	0.0000	0.0353

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					2.7100e-003	0.0000	2.7100e-003	1.4400e-003	0.0000	1.4400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2800e-003	0.0131	7.3100e-003	1.0000e-005		6.4000e-004	6.4000e-004		5.9000e-004	5.9000e-004	0.0000	1.2043	1.2043	3.9000e-004	0.0000	1.2141
Total	1.2800e-003	0.0131	7.3100e-003	1.0000e-005	2.7100e-003	6.4000e-004	3.3500e-003	1.4400e-003	5.9000e-004	2.0300e-003	0.0000	1.2043	1.2043	3.9000e-004	0.0000	1.2141

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3.5 Grading 3: Section 24 Operation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	1.0000e-005	1.3000e-004	0.0000	0.0116	0.0000	0.0116	1.1600e-003	0.0000	1.1600e-003	0.0000	0.0353	0.0353	0.0000	0.0000	0.0353
Total	2.0000e-005	1.0000e-005	1.3000e-004	0.0000	0.0116	0.0000	0.0116	1.1600e-003	0.0000	1.1600e-003	0.0000	0.0353	0.0353	0.0000	0.0000	0.0353

3.6 Grading 4: Section 24 Operation - 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					6.3300e-003	0.0000	6.3300e-003	3.3600e-003	0.0000	3.3600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2800e-003	0.0131	7.3100e-003	1.0000e-005		6.4000e-004	6.4000e-004		5.9000e-004	5.9000e-004	0.0000	1.2043	1.2043	3.9000e-004	0.0000	1.2141
Total	1.2800e-003	0.0131	7.3100e-003	1.0000e-005	6.3300e-003	6.4000e-004	6.9700e-003	3.3600e-003	5.9000e-004	3.9500e-003	0.0000	1.2043	1.2043	3.9000e-004	0.0000	1.2141

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3.6 Grading 4: Section 24 Operation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	1.0000e-005	1.3000e-004	0.0000	0.0397	0.0000	0.0397	3.9700e-003	0.0000	3.9700e-003	0.0000	0.0353	0.0353	0.0000	0.0000	0.0353
Total	2.0000e-005	1.0000e-005	1.3000e-004	0.0000	0.0397	0.0000	0.0397	3.9700e-003	0.0000	3.9700e-003	0.0000	0.0353	0.0353	0.0000	0.0000	0.0353

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					2.7100e-003	0.0000	2.7100e-003	1.4400e-003	0.0000	1.4400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2800e-003	0.0131	7.3100e-003	1.0000e-005		6.4000e-004	6.4000e-004		5.9000e-004	5.9000e-004	0.0000	1.2043	1.2043	3.9000e-004	0.0000	1.2141
Total	1.2800e-003	0.0131	7.3100e-003	1.0000e-005	2.7100e-003	6.4000e-004	3.3500e-003	1.4400e-003	5.9000e-004	2.0300e-003	0.0000	1.2043	1.2043	3.9000e-004	0.0000	1.2141

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3.6 Grading 4: Section 24 Operation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	1.0000e-005	1.3000e-004	0.0000	0.0116	0.0000	0.0116	1.1600e-003	0.0000	1.1600e-003	0.0000	0.0353	0.0353	0.0000	0.0000	0.0353
Total	2.0000e-005	1.0000e-005	1.3000e-004	0.0000	0.0116	0.0000	0.0116	1.1600e-003	0.0000	1.1600e-003	0.0000	0.0353	0.0353	0.0000	0.0000	0.0353

3.7 Grading 5: Section 24 Operation - 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					6.3300e-003	0.0000	6.3300e-003	3.3600e-003	0.0000	3.3600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2800e-003	0.0131	7.3100e-003	1.0000e-005		6.4000e-004	6.4000e-004		5.9000e-004	5.9000e-004	0.0000	1.2043	1.2043	3.9000e-004	0.0000	1.2141
Total	1.2800e-003	0.0131	7.3100e-003	1.0000e-005	6.3300e-003	6.4000e-004	6.9700e-003	3.3600e-003	5.9000e-004	3.9500e-003	0.0000	1.2043	1.2043	3.9000e-004	0.0000	1.2141

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3.7 Grading 5: Section 24 Operation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	1.0000e-005	1.3000e-004	0.0000	0.0397	0.0000	0.0397	3.9700e-003	0.0000	3.9700e-003	0.0000	0.0353	0.0353	0.0000	0.0000	0.0353
Total	2.0000e-005	1.0000e-005	1.3000e-004	0.0000	0.0397	0.0000	0.0397	3.9700e-003	0.0000	3.9700e-003	0.0000	0.0353	0.0353	0.0000	0.0000	0.0353

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					2.7100e-003	0.0000	2.7100e-003	1.4400e-003	0.0000	1.4400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2800e-003	0.0131	7.3100e-003	1.0000e-005		6.4000e-004	6.4000e-004		5.9000e-004	5.9000e-004	0.0000	1.2043	1.2043	3.9000e-004	0.0000	1.2141
Total	1.2800e-003	0.0131	7.3100e-003	1.0000e-005	2.7100e-003	6.4000e-004	3.3500e-003	1.4400e-003	5.9000e-004	2.0300e-003	0.0000	1.2043	1.2043	3.9000e-004	0.0000	1.2141

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3.7 Grading 5: Section 24 Operation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	1.0000e-005	1.3000e-004	0.0000	0.0116	0.0000	0.0116	1.1600e-003	0.0000	1.1600e-003	0.0000	0.0353	0.0353	0.0000	0.0000	0.0353
Total	2.0000e-005	1.0000e-005	1.3000e-004	0.0000	0.0116	0.0000	0.0116	1.1600e-003	0.0000	1.1600e-003	0.0000	0.0353	0.0353	0.0000	0.0000	0.0353

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	3.1800e-003	0.0289	0.0502	2.3000e-004	13.3353	1.7000e-004	13.3355	1.3293	1.6000e-004	1.3295	0.0000	21.1704	21.1704	8.8000e-004	0.0000	21.1924
Unmitigated	3.1800e-003	0.0289	0.0502	2.3000e-004	13.3353	1.7000e-004	13.3355	1.3293	1.6000e-004	1.3295	0.0000	21.1704	21.1704	8.8000e-004	0.0000	21.1924

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	4.04	4.04	4.04	29,405	29,405
Unrefrigerated Warehouse-No Rail	3.88	3.88	3.88	18,351	18,351
Total	7.92	7.92	7.92	47,756	47,756

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
Other Non-Asphalt Surfaces	0.00	20.00	0.00	0.00	100.00	0.00	100	0	0
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Non-Asphalt Surfaces	0.542116	0.037578	0.185203	0.118503	0.016241	0.005141	0.017392	0.068695	0.001383	0.001183	0.004582	0.000945	0.001038
Unrefrigerated Warehouse-No Rail	0.542116	0.037578	0.185203	0.118503	0.016241	0.005141	0.017392	0.068695	0.001383	0.001183	0.004582	0.000945	0.001038

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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	0.1083	0.1083	0.0000	0.0000	0.1087
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.1083	0.1083	0.0000	0.0000	0.1087
NaturalGas Mitigated	0.0000	1.0000e-005	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0156	0.0156	0.0000	0.0000	0.0157
NaturalGas Unmitigated	0.0000	1.0000e-005	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0156	0.0156	0.0000	0.0000	0.0157

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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					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	292.32	0.0000	1.0000e-005	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0156	0.0156	0.0000	0.0000	0.0157
Total		0.0000	1.0000e-005	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0156	0.0156	0.0000	0.0000	0.0157

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					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	292.32	0.0000	1.0000e-005	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0156	0.0156	0.0000	0.0000	0.0157
Total		0.0000	1.0000e-005	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0156	0.0156	0.0000	0.0000	0.0157

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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			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	339.84	0.1083	0.0000	0.0000	0.1087
Total		0.1083	0.0000	0.0000	0.1087

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	339.84	0.1083	0.0000	0.0000	0.1087
Total		0.1083	0.0000	0.0000	0.1087

6.0 Area Detail

6.1 Mitigation Measures Area

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Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	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	0.3846	1.0000e-005	1.0400e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0100e-003	2.0100e-003	1.0000e-005	0.0000	2.1400e-003
Unmitigated	0.4867	1.0000e-005	1.0400e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0100e-003	2.0100e-003	1.0000e-005	0.0000	2.1400e-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	0.1701					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3165					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-004	1.0000e-005	1.0400e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0100e-003	2.0100e-003	1.0000e-005	0.0000	2.1400e-003
Total	0.4867	1.0000e-005	1.0400e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0100e-003	2.0100e-003	1.0000e-005	0.0000	2.1400e-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	0.0680					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3165					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-004	1.0000e-005	1.0400e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0100e-003	2.0100e-003	1.0000e-005	0.0000	2.1400e-003
Total	0.3846	1.0000e-005	1.0400e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0100e-003	2.0100e-003	1.0000e-005	0.0000	2.1400e-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			
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	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			
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	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			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	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			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	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
