

**Air Treatment Facility East Central Interceptor Sewer (ECIS) Mission Road & Jesse Street
Initial Study/Negative Declaration
Project Data**

<Construction Data>

Start Date August 2012
End Date April 2014

Phase	Start Date	End Date	Days	Notes
Mobilization	8/1/2012	8/31/2012	23	1 month
Install shoring & trenching	9/1/2012	10/27/2012	40	8 weeks
Install pipes & wiring				
Erect building	10/28/2012	2/28/2014	350	
Install mechanical equipment & instrumentation	3/1/2014	3/31/2014	21	
Testing	4/1/2014	4/30/2014	22	1 month

Construction Area

Total parcel footprint 30,000 sq ft grading & landscaping
Construction footprint 14520 sq ft
Building dimensions 3675 sq ft (17ft above grade; 5 ft below grade)

Construction Workers

Max construction workers 20 workers
Shoring & trenching 15 workers

Hauling

Soil exported 4000 cy 1100
Concrete imported 1500 cy
Total truck trips 600 truck trips
Peak truck trip 20 trucks per day

<Operational Data>

Vehicle Trips 2 trips per day (single daily visit)

Air Treatment Equipment Emissions

Hours of operation 24 hrs per day
365.25 days per year
Air flow 12000 cfm
Max VOC emission 16 ppmv NMHC as methane
Molar volume 379.48 scf/lb-mol
Molecular weight of methane 16 lb/lb-mol
Hourly NMHC emissions 0.49 lb/hr
Daily NMHC emissions 11.7 lb/day

Emergency Generator

Engine size 80 kW standby 72 kW continuous
Fuel type diesel
Hours of operation 200 hrs (compliant w/ SCAQMD rules)

Tier 4 (2012-2014) 75-130 kW Emissions	g/hp-hr	lb/hr	lb/day	tpy
PM	0.02	0.004	0.08	0.00
NMHC+Nox	4	0.705	16.93	0.07
NMHC	0.19	0.034	0.80	0.00
NOx	0.4	0.071	1.69	0.01
CO	5	0.882	21.16	0.09

Source:

[TABLE CEQA Question Responses 20111104.doc] from N. Cobleigh to G. Pelletier Nov 7, 2011.

[construction data.docx] from N. Cobleigh to A. Tanimoto and G. Pelletier Nov 7, 2011.

Fact Sheet on Emergency Backup Generators (http://www.aqmd.gov/permit/fact_sheet_emergency_backup_gen.htm)
13CCR2423

**Air Treatment Facility East Central Interceptor Sewer (ECIS) Mission Road & Jesse Street
Initial Study/Negative Declaration
CalEEMod Input**

<Project Information>

Project Detail

Project Name Mission Road & Jesse Street Air Treatment Facility
 Project Location Los Angeles County - South Coast
 Climate Zone 11
 Land Use Urban
 Operational Year 2014
 Utility LADWP

Land Use

Land Use Type Industrial
 Land Use Subtype General Light Industry
 Unit Amount 30 1000 sq ft
 Lot Acreage 0.69 acre
 Square Feet 3675 sq ft

<Construction Information>

Mobilization

Phase information

CalEEMod Phase Site Preparation
Start Date 8/1/2012
End Date 8/31/2012
Days/Wk 5
Total Days 23

Fugitive Dust

Import	0
Export	0
Total acres disturbed	0.69

Equipment

1 Graders	8
1 Tractors/Loaders/Backhoes	8

Trips

# Workers	2.5	Worker Trips	6
Haul trucks	0	Vendor	0

Notes:

Default CalEEMod equipment list was selected.

Worker trips = # equipment x 1.25 x 2 rounded up to the nearest even integer.

Install shoring & trenching

Phase information

CalEEMod Phase Grading
Start Date 9/1/2012
End Date 10/27/2012
Days/Wk 5
Total Days 40

Fugitive Dust

Import (cy)	1,500
Export (cy)	4,000
Total acres disturbed	0.69

Equipment

1 Concrete/Industrial Saws	8
1 Rubber Tired Dozers	1
2 Tractors/Loaders/Backhoes	6
1 Water Trucks (Off-Highway T)	8
1 Plate Compactors	8

Trips

# Workers	15	Worker Trips	30
Haul trucks	1200	Vendor	0

Notes:

A compactor and water truck (off-highway truck) were added to the default CalEEMod equipment list.

Assume 15 workers (project estimated value).

Erect building**Phase information**

CalEEMod Phase Building Construction
Start Date 10/28/2012
End Date 2/28/2014
Days/Wk 5
Total Days 350

Notes:

Default CalEEMod equipment list was selected.

Assume maximum construction worker during this phase.

Architectural Coating**Phase information**

CalEEMod Phase Architectural Coating
Start Date 3/1/2014
End Date 3/31/2014
Days/Wk 5
Total Days 21

Notes:

Default CalEEMod equipment list was selected.

Construction Mitigation

2x daily watering to meet dust control requirements

<Operational Information>**Vehicle Trips** 2 trips per day (7 days per week)

100% commercial-work

Consumer products default**Architectural coating** default**Landscape** 365 summer days**Energy** default**Water/wastewater** assume no water use**Solid waste** assume no waste generation**Equipment**

1 Crane	4
2 Forklifts	6
2 Tractors/Loaders/Backhoes	8

Trips

# Workers	20	Worker Trips	40
Haul trucks	0	Vendor	2

Equipment

1 Air Compressors	6
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Trips

# Workers	1.25	Worker Trips	4
Haul trucks	0	Vendor	0

**Mission Road & Jesse Street Air Treatment Facility
Los Angeles-South Coast County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
General Light Industry	30	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Utility Company	Los Angeles Department of Water & Power
Climate Zone	11	Precipitation Freq (Days)	33		

1.3 User Entered Comments

Project Characteristics -

Land Use - Total footprint of the parcel is 30,000 sq ft. The building will be 35' x 105' (3,675 sq ft).

Construction Phase - Mobilization 8/1/2012-8/31/2012. Construction period is 9/1/2012-3/31/2014. Grading for 8 weeks. Assuming a month for architectural coating (3/1-31/2014), the building construction phase was assumed to be the entire duration between grading and coating.

Off-road Equipment - Default equipment plus a plate compactor for trenching and a water truck (off-highway trucks). Non-default equipment assumed to operate 8 hours per day.

Grading - Assume entire parcel is disturbed for site prep and grading.

Trips and VMT - # worker trips per day assumed to be 1.25 x # equipment x 2 single trips per day rounded up to the nearest even number for site preparation and architectural coating. Project assumes 15 workers for grading and 20 maximum wokers (assumed to be during building construction). Project assumes 600 total one-way haul trips.

Vehicle Trips - One worker makes a trip to the facility every day for inspection.

Water And Wastewater - Assume no water use at facility.

Solid Waste - Assume no waste generation at facility.

Construction Off-road Equipment Mitigation - Water exposed twice a day to meet SCAQMD dust control requirements.

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

	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	lb/day										lb/day					
2012	6.16	49.17	28.55	0.06	28.82	2.57	31.38	0.29	2.57	2.85	0.00	6,593.73	0.00	0.48	0.00	6,603.74
2013	2.50	16.93	14.10	0.03	0.63	1.07	1.71	0.02	1.07	1.10	0.00	2,514.69	0.00	0.23	0.00	2,519.49
2014	4.52	15.58	13.75	0.03	0.63	0.95	1.58	0.02	0.95	0.97	0.00	2,506.49	0.00	0.21	0.00	2,510.91
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

2.2 Overall Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.10	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Energy	0.00	0.02	0.02	0.00		0.00	0.00		0.00	0.00		22.28		0.00	0.00	22.42
Mobile	0.34	0.82	3.31	0.01	0.60	0.04	0.64	0.02	0.04	0.06		576.58		0.03		577.14
Total	0.44	0.84	3.33	0.01	0.60	0.04	0.64	0.02	0.04	0.06		598.86		0.03	0.00	599.56

3.0 Construction Detail

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 2012

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.01	0.00	0.01	0.00	0.00	0.00						0.00
Off-Road	1.85	13.45	8.72	0.01		0.89	0.89		0.89	0.89	0.00	1,402.65		0.17		1,406.13
Total	1.85	13.45	8.72	0.01	0.01	0.89	0.90	0.00	0.89	0.89	0.00	1,402.65		0.17		1,406.13

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	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
Worker	0.04	0.04	0.51	0.00	0.09	0.00	0.10	0.00	0.00	0.01		78.60		0.00		78.70
Total	0.04	0.04	0.51	0.00	0.09	0.00	0.10	0.00	0.00	0.01		78.60		0.00		78.70

3.3 Grading - 2012

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.35	0.00	0.35	0.19	0.00	0.19						0.00
Off-Road	4.01	30.64	15.20	0.03		1.72	1.72		1.72	1.72	0.00	3,685.29		0.36		3,692.81
Total	4.01	30.64	15.20	0.03	0.35	1.72	2.07	0.19	1.72	1.91	0.00	3,685.29		0.36		3,692.81

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.93	18.32	10.80	0.02	28.00	0.83	28.84	0.08	0.83	0.91		2,515.45		0.09		2,517.42
Vendor	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
Worker	0.22	0.22	2.54	0.00	0.46	0.02	0.48	0.02	0.02	0.03		392.99		0.02		393.52
Total	2.15	18.54	13.34	0.02	28.46	0.85	29.32	0.10	0.85	0.94		2,908.44		0.11		2,910.94

3.4 Building Construction - 2012

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.39	17.66	10.87	0.02		1.17	1.17		1.17	1.17	0.00	1,945.40		0.21		1,949.90
Total	2.39	17.66	10.87	0.02		1.17	1.17		1.17	1.17	0.00	1,945.40		0.21		1,949.90

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.04	0.37	0.25	0.00	0.02	0.01	0.03	0.00	0.01	0.02		55.17		0.00		55.21
Worker	0.29	0.29	3.39	0.01	0.61	0.02	0.63	0.02	0.02	0.04		523.99		0.03		524.69
Total	0.33	0.66	3.64	0.01	0.63	0.03	0.66	0.02	0.03	0.06		579.16		0.03		579.90

3.4 Building Construction - 2013

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.20	16.33	10.77	0.02		1.04	1.04		1.04	1.04	0.00	1,945.40		0.20		1,949.52
Total	2.20	16.33	10.77	0.02		1.04	1.04		1.04	1.04	0.00	1,945.40		0.20		1,949.52

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.03	0.34	0.22	0.00	0.02	0.01	0.03	0.00	0.01	0.01		55.35		0.00		55.38
Worker	0.27	0.26	3.11	0.01	0.61	0.02	0.63	0.02	0.02	0.04		513.94		0.03		514.58
Total	0.30	0.60	3.33	0.01	0.63	0.03	0.66	0.02	0.03	0.05		569.29		0.03		569.96

3.4 Building Construction - 2014

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.02	15.03	10.68	0.02		0.92	0.92		0.92	0.92	0.00	1,945.40		0.18		1,949.18
Total	2.02	15.03	10.68	0.02		0.92	0.92		0.92	0.92	0.00	1,945.40		0.18		1,949.18

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.03	0.31	0.20	0.00	0.02	0.01	0.03	0.00	0.01	0.01		55.46		0.00		55.49
Worker	0.25	0.24	2.87	0.01	0.61	0.02	0.64	0.02	0.02	0.04		505.63		0.03		506.24
Total	0.28	0.55	3.07	0.01	0.63	0.03	0.67	0.02	0.03	0.05		561.09		0.03		561.73

3.5 Architectural Coating - 2014

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	4.05					0.00	0.00		0.00	0.00						0.00
Off-Road	0.45	2.77	1.92	0.00		0.24	0.24		0.24	0.24	0.00	281.19		0.04		282.03
Total	4.50	2.77	1.92	0.00		0.24	0.24		0.24	0.24	0.00	281.19		0.04		282.03

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	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
Worker	0.02	0.02	0.29	0.00	0.06	0.00	0.06	0.00	0.00	0.00		50.56		0.00		50.62
Total	0.02	0.02	0.29	0.00	0.06	0.00	0.06	0.00	0.00	0.00		50.56		0.00		50.62

4.0 Mobile Detail

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.34	0.82	3.31	0.01	0.60	0.04	0.64	0.02	0.04	0.06		576.58		0.03		577.14
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	60.00	60.00	60.00	181,321	181,321
Total	60.00	60.00	60.00	181,321	181,321

4.3 Trip Type Information

Land Use	Miles			Trip %		
	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
General Light Industry	8.90	13.30	7.40	100.00	0.00	0.00

5.0 Energy Detail

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00			22.28	0.00	0.00	22.42
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

5.2 Energy by Land Use - NaturalGas

Land Use	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
	kBTU	lb/day										lb/day					
General Light Industry	0.189388	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00			22.28	0.00	0.00	22.42
Total		0.00	0.02	0.02	0.00		0.00	0.00		0.00	0.00			22.28	0.00	0.00	22.42

6.0 Area Detail

6.1 Mitigation Measures Area

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Mitigated	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00		0.00
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

6.2 Area by SubCategory

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
SubCategory	lb/day										lb/day						
Architectural Coating	0.02					0.00	0.00		0.00	0.00							0.00
Consumer Products	0.07					0.00	0.00		0.00	0.00							0.00
Landscaping	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00			0.00
Total	0.09	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00			0.00

Mission Road & Jesse Street Air Treatment Facility
 Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
General Light Industry	30	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)		Utility Company	Los Angeles Department of Water & Power
Climate Zone	11		2.2		
		Precipitation Freq (Days)			
			33		

1.3 User Entered Comments

Project Characteristics -

Land Use - Total footprint of the parcel is 30,000 sq ft. The building will be 35' x 105' (3,675 sq ft).

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Off-road Equipment - Default equipment plus a plate compactor for trenching and a water truck (off-highway trucks). Non-default equipment assumed to operate 8 hours per day.

Grading - Assume entire parcel is disturbed for site prep and grading.

Trips and VMT - # worker trips per day assumed to be 1.25 x # equipment x 2 single trips per day rounded up to the nearest even number for site preparation and architectural coating. Project assumes 15 workers for grading and 20 maximum wokers (assumed to be during building construction). Project assumes 600 total one-way haul trips.

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Water And Wastewater - Assume no water use at facility.

Solid Waste - Assume no waste generation at facility.

Construction Off-road Equipment Mitigation - Water exposed twice a day to meet SCAQMD dust control requirements.

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

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Year	lb/day										lb/day					
2012	6.22	50.25	29.13	0.06	28.82	2.57	31.39	0.29	2.57	2.86	0.00	6,553.56	0.00	0.48	0.00	6,563.59
2013	2.53	16.99	13.97	0.03	0.63	1.07	1.71	0.02	1.07	1.10	0.00	2,476.48	0.00	0.23	0.00	2,481.26
2014	4.53	15.64	13.62	0.03	0.63	0.95	1.58	0.02	0.95	0.97	0.00	2,468.89	0.00	0.21	0.00	2,473.29
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

2.2 Overall Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.10	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Energy	0.00	0.02	0.02	0.00		0.00	0.00		0.00	0.00		22.28		0.00	0.00	22.42
Mobile	0.35	0.88	3.27	0.01	0.60	0.04	0.64	0.02	0.04	0.06		541.67		0.02		542.13
Total	0.45	0.90	3.29	0.01	0.60	0.04	0.64	0.02	0.04	0.06		563.95		0.02	0.00	564.55

3.0 Construction Detail

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 2012

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.01	0.00	0.01	0.00	0.00	0.00						0.00
Off-Road	1.85	13.45	8.72	0.01		0.89	0.89		0.89	0.89	0.00	1,402.65		0.17		1,406.13
Total	1.85	13.45	8.72	0.01	0.01	0.89	0.90	0.00	0.89	0.89	0.00	1,402.65		0.17		1,406.13

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	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
Worker	0.05	0.05	0.48	0.00	0.09	0.00	0.10	0.00	0.00	0.01		72.82		0.00		72.92
Total	0.05	0.05	0.48	0.00	0.09	0.00	0.10	0.00	0.00	0.01		72.82		0.00		72.92

3.3 Grading - 2012

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.35	0.00	0.35	0.19	0.00	0.19						0.00
Off-Road	4.01	30.64	15.20	0.03		1.72	1.72		1.72	1.72	0.00	3,685.29		0.36		3,692.81
Total	4.01	30.64	15.20	0.03	0.35	1.72	2.07	0.19	1.72	1.91	0.00	3,685.29		0.36		3,692.81

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.97	19.36	11.51	0.02	28.00	0.84	28.84	0.08	0.84	0.92		2,504.16		0.10		2,506.17
Vendor	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
Worker	0.24	0.25	2.42	0.00	0.46	0.02	0.48	0.02	0.02	0.03		364.11		0.02		364.62
Total	2.21	19.61	13.93	0.02	28.46	0.86	29.32	0.10	0.86	0.95		2,868.27		0.12		2,870.79

3.4 Building Construction - 2012

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.39	17.66	10.87	0.02		1.17	1.17		1.17	1.17	0.00	1,945.40		0.21		1,949.90
Total	2.39	17.66	10.87	0.02		1.17	1.17		1.17	1.17	0.00	1,945.40		0.21		1,949.90

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.04	0.39	0.27	0.00	0.02	0.01	0.03	0.00	0.01	0.02		54.80		0.00		54.84
Worker	0.32	0.34	3.23	0.00	0.61	0.02	0.63	0.02	0.02	0.04		485.48		0.03		486.15
Total	0.36	0.73	3.50	0.00	0.63	0.03	0.66	0.02	0.03	0.06		540.28		0.03		540.99

3.4 Building Construction - 2013

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	2.20	16.33	10.77	0.02		1.04	1.04		1.04	1.04	0.00	1,945.40		0.20		1,949.52
Total	2.20	16.33	10.77	0.02		1.04	1.04		1.04	1.04	0.00	1,945.40		0.20		1,949.52

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.03	0.36	0.25	0.00	0.02	0.01	0.03	0.00	0.01	0.01		54.96		0.00		54.99
Worker	0.29	0.31	2.95	0.00	0.61	0.02	0.63	0.02	0.02	0.04		476.13		0.03		476.75
Total	0.32	0.67	3.20	0.00	0.63	0.03	0.66	0.02	0.03	0.05		531.09		0.03		531.74

3.4 Building Construction - 2014

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.02	15.03	10.68	0.02		0.92	0.92		0.92	0.92	0.00	1,945.40		0.18		1,949.18
Total	2.02	15.03	10.68	0.02		0.92	0.92		0.92	0.92	0.00	1,945.40		0.18		1,949.18

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.03	0.32	0.23	0.00	0.02	0.01	0.03	0.00	0.01	0.01		55.06		0.00		55.09
Worker	0.27	0.28	2.72	0.00	0.61	0.02	0.64	0.02	0.02	0.04		468.43		0.03		469.01
Total	0.30	0.60	2.95	0.00	0.63	0.03	0.67	0.02	0.03	0.05		523.49		0.03		524.10

3.5 Architectural Coating - 2014

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	4.05					0.00	0.00		0.00	0.00						0.00
Off-Road	0.45	2.77	1.92	0.00		0.24	0.24		0.24	0.24	0.00	281.19		0.04		282.03
Total	4.50	2.77	1.92	0.00		0.24	0.24		0.24	0.24	0.00	281.19		0.04		282.03

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	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
Worker	0.03	0.03	0.27	0.00	0.06	0.00	0.06	0.00	0.00	0.00		46.84		0.00		46.90
Total	0.03	0.03	0.27	0.00	0.06	0.00	0.06	0.00	0.00	0.00		46.84		0.00		46.90

4.0 Mobile Detail

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.35	0.88	3.27	0.01	0.60	0.04	0.64	0.02	0.04	0.06		541.67		0.02		542.13
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
General Light Industry	60.00	60.00	60.00	181,321	181,321
Total	60.00	60.00	60.00	181,321	181,321

4.3 Trip Type Information

Land Use	Miles			Trip %		
	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
General Light Industry	8.90	13.30	7.40	100.00	0.00	0.00

5.0 Energy Detail

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Natural Gas Mitigated	0.00	0.02	0.02	0.00		0.00	0.00		0.00	0.00		22.28		0.00	0.00	22.42
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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	lb/day										lb/day					
Mitigated	0.10	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

6.2 Area by SubCategory

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.02					0.00	0.00		0.00	0.00						0.00
Consumer Products	0.07					0.00	0.00		0.00	0.00						0.00
Landscaping	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Total	0.09	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00

**Mission Road & Jesse Street Air Treatment Facility
Los Angeles-South Coast County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
General Light Industry	30	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Utility Company	Los Angeles Department of Water & Power
Climate Zone	11	Precipitation Freq (Days)	33		

1.3 User Entered Comments

Project Characteristics -

Land Use - Total footprint of the parcel is 30,000 sq ft. The building will be 35' x 105' (3,675 sq ft).

Construction Phase - Mobilization 8/1/2012-8/31/2012. Construction period is 9/1/2012-3/31/2014. Grading for 8 weeks. Assuming a month for architectural coating (3/1-31/2014), the building construction phase was assumed to be the entire duration between grading and coating.

Off-road Equipment - Default equipment plus a plate compactor for trenching and a water truck (off-highway trucks). Non-default equipment assumed to operate 8 hours per day.

Grading - Assume entire parcel is disturbed for site prep and grading.

Trips and VMT - # worker trips per day assumed to be 1.25 x # equipment x 2 single trips per day rounded up to the nearest even number for site preparation and architectural coating. Project assumes 15 workers for grading and 20 maximum wokers (assumed to be during building construction). Project assumes 600 total one-way haul trips.

Vehicle Trips - One worker makes a trip to the facility every day for inspection.

Water And Wastewater - Assume no water use at facility.

Solid Waste - Assume no waste generation at facility.

Construction Off-road Equipment Mitigation - Water exposed twice a day to meet SCAQMD dust control requirements.

2.0 Emissions Summary

2.1 Overall 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					
2012	0.21	1.56	1.02	0.00	0.53	0.09	0.62	0.01	0.09	0.10	0.00	186.67	186.67	0.02	0.00	187.00
2013	0.33	2.21	1.83	0.00	0.07	0.14	0.21	0.00	0.14	0.14	0.00	294.48	294.48	0.03	0.00	295.05
2014	0.10	0.36	0.32	0.00	0.01	0.02	0.04	0.00	0.02	0.02	0.00	51.50	51.50	0.00	0.00	51.59
Total	0.64	4.13	3.17	0.00	0.61	0.25	0.87	0.01	0.25	0.26	0.00	532.65	532.65	0.05	0.00	533.64

2.2 Overall 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	0.02	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
Energy	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	28.57	28.57	0.00	0.00	28.67
Mobile	0.06	0.15	0.60	0.00	0.10	0.01	0.10	0.00	0.01	0.01	0.00	91.15	91.15	0.00	0.00	91.23
Waste						0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water						0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.08	0.15	0.60	0.00	0.10	0.01	0.10	0.00	0.01	0.01	0.00	119.72	119.72	0.00	0.00	119.90

3.0 Construction Detail

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 2012

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					0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.02	0.15	0.10	0.00		0.01	0.01		0.01	0.01	0.00	14.63	14.63	0.00	0.00	14.67
Total	0.02	0.15	0.10	0.00	0.00	0.01	0.01	0.00	0.01	0.01	0.00	14.63	14.63	0.00	0.00	14.67

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	0.00	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
Vendor	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
Worker	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.78	0.78	0.00	0.00	0.78
Total	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.78	0.78	0.00	0.00	0.78

3.3 Grading - 2012

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					0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.08	0.61	0.30	0.00		0.03	0.03		0.03	0.03	0.00	66.85	66.85	0.01	0.00	66.98
Total	0.08	0.61	0.30	0.00	0.01	0.03	0.04	0.00	0.03	0.03	0.00	66.85	66.85	0.01	0.00	66.98

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	0.04	0.37	0.23	0.00	0.50	0.02	0.52	0.00	0.02	0.02	0.00	45.55	45.55	0.00	0.00	45.59
Vendor	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
Worker	0.00	0.00	0.05	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	6.76	6.76	0.00	0.00	6.77
Total	0.04	0.37	0.28	0.00	0.51	0.02	0.53	0.00	0.02	0.02	0.00	52.31	52.31	0.00	0.00	52.36

3.4 Building Construction - 2012

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	0.06	0.41	0.25	0.00		0.03	0.03		0.03	0.03	0.00	40.58	40.58	0.00	0.00	40.67
Total	0.06	0.41	0.25	0.00		0.03	0.03		0.03	0.03	0.00	40.58	40.58	0.00	0.00	40.67

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	0.00	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
Vendor	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.15	1.15	0.00	0.00	1.15
Worker	0.01	0.01	0.08	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	10.37	10.37	0.00	0.00	10.38
Total	0.01	0.02	0.09	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	11.52	11.52	0.00	0.00	11.53

3.4 Building Construction - 2013

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	0.29	2.13	1.40	0.00		0.14	0.14		0.14	0.14	0.00	230.25	230.25	0.02	0.00	230.74
Total	0.29	2.13	1.40	0.00		0.14	0.14		0.14	0.14	0.00	230.25	230.25	0.02	0.00	230.74

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	0.00	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

Vendor	0.00	0.04	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.53	6.53	0.00	0.00	6.54
Worker	0.04	0.04	0.39	0.00	0.07	0.00	0.07	0.00	0.00	0.01	0.00	57.70	57.70	0.00	0.00	57.78
Total	0.04	0.08	0.42	0.00	0.07	0.00	0.07	0.00	0.00	0.01	0.00	64.23	64.23	0.00	0.00	64.32

3.4 Building Construction - 2014

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	0.04	0.32	0.23	0.00		0.02	0.02		0.02	0.02	0.00	37.93	37.93	0.00	0.00	38.01
Total	0.04	0.32	0.23	0.00		0.02	0.02		0.02	0.02	0.00	37.93	37.93	0.00	0.00	38.01

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	0.00	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
Vendor	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.08	1.08	0.00	0.00	1.08
Worker	0.01	0.01	0.06	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	9.35	9.35	0.00	0.00	9.36
Total	0.01	0.02	0.06	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	10.43	10.43	0.00	0.00	10.44

3.5 Architectural Coating - 2014

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	0.04					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.00	0.03	0.02	0.00		0.00	0.00		0.00	0.00	0.00	2.68	2.68	0.00	0.00	2.69
Total	0.04	0.03	0.02	0.00		0.00	0.00		0.00	0.00	0.00	2.68	2.68	0.00	0.00	2.69

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	0.00	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
Vendor	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
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46	0.46	0.00	0.00	0.46
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46	0.46	0.00	0.00	0.46

4.0 Mobile Detail

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.06	0.15	0.60	0.00	0.10	0.01	0.10	0.00	0.01	0.01	0.00	91.15	91.15	0.00	0.00	91.23
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	60.00	60.00	60.00	181,321	181,321
Total	60.00	60.00	60.00	181,321	181,321

4.3 Trip Type Information

Land Use	Miles			Trip %		
	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
General Light Industry	8.90	13.30	7.40	100.00	0.00	0.00

5.0 Energy Detail

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						0.00	0.00		0.00	0.00	0.00	24.88	24.88	0.00	0.00	24.96
Natural Gas Mitigated	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	3.69	3.69	0.00	0.00	3.71
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

5.2 Energy by Land Use - Natural Gas

	Natural Gas 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	tons/yr										MT/yr					
General Light Industry	69126.8	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	3.69	3.69	0.00	0.00	3.71
Total		0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	3.69	3.69	0.00	0.00	3.71

5.3 Energy by Land Use - Electricity

	Electricity Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	kWh	tons/yr				MT/yr			
General Light Industry	44283.8					24.88	0.00	0.00	24.96
Total						24.88	0.00	0.00	24.96

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	0.02	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
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

6.2 Area by SubCategory

	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	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.01					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	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
Total	0.01	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

**Air Treatment Facility East Central Interceptor Sewer (ECIS) Mission Road & Jesse Street
Initial Study/Negative Declaration
Emissions Calculations**

Project Construction & Operation Peak Daily Criteria Pollutant Emissions						
	VOC	NOx	CO	SO2	PM10	PM2.5
Construction Emissions	6	50	29	0.06	31	3
SCAQMD Construction Thresholds (lbs/day)	75	100	550	150	150	55
Significant Impact?	NO	NO	NO	NO	NO	NO
Operational Emissions	13	3	24	0.01	0.7	0.1
SCAQMD Operations Thresholds (lbs/day)	55	55	550	150	150	55
Significant Impact?	NO	NO	NO	NO	NO	NO

Construction Emissions

Peak Daily Construction Emissions (lb/day)						
Year	VOC	NOx	CO	SO2	PM10	PM2.5
Summer						
2012	6.16	49.17	28.55	0.06	31.38	2.85
2013	2.5	16.93	14.1	0.03	1.71	1.1
2014	4.52	15.58	13.75	0.03	1.58	0.97
Winter						
2012	6.22	50.25	29.13	0.06	31.39	2.86
2013	2.53	16.99	13.97	0.03	1.71	1.1
2014	4.53	15.64	13.62	0.03	1.58	0.97
Maximum						
2012	6.22	50.25	29.13	0.06	31.39	2.86
2013	2.53	16.99	14.1	0.03	1.71	1.1
2014	4.53	15.64	13.75	0.03	1.58	0.97
Max Daily Emissions	6.22	50.25	29.13	0.06	31.39	2.86

Emissions calculated by CalEEMod

Operational Emissions

Peak Daily Operational Emissions (lb/day)						
	VOC	NOx	CO	SO2	PM10	PM2.5
Mobile/Energy Use/Area Emissions						
Summer	0.44	0.84	3.33	0.01	0.64	0.06
Winter	0.45	0.90	3.29	0.01	0.64	0.06
Max Daily Emissions	0.45	0.90	3.33	0.01	0.64	0.06
Generator	0.80	1.69	21.16		0.08	0.08
ATF	11.66					
Total	12.91	2.59	24.49	0.01	0.72	0.14

Project Construction & Operation GHG Emissions (MTCO2e)	
Construction Emissions	534
Operational Emissions	120
Amortized total	138
SCAQMD GHG Thresholds (MTCO2e/yr)	10,000
Significant Impact?	NO