Appendix A:
Air Quality and Green House Gas Emissions Data

Parenthetical CALEEMOD Assumptions
For: Queen Esther Shopping Center
Date: February 2013

2013

Demolition

- 7,070 square feet.

Equipment (CALEEMOD Default):

Quantity	Type	Hours of Daily Operation
1	Concrete/Industrial Saw	8
3	Tractor/Loaders/Backhoe	8
1	Rubber Tire Dozers	8

Site Preparation

Equipment (CALEEMOD Default):

Quantity	Type	Hours of Daily Operation
1	Grader	8
1	Scrapers	8
1	Tractor/Loaders/Backhoe	7

Grading

- Import: 1,000 cubic yards
- Export: 1,000 cubic yards

Equipment (CALEEMOD Default):

Quantity	Type	Hours of Daily Operation
1	Grader	8
1	Rubber Tired Dozer	8
1	Tractor/Loaders/Backhoe	7

Building

Equipment (CALEEMOD Default):

Quantity	Type	Hours of Daily Operation
1	Crane	6
1	Forklift	6
1	Generator Set	8
1	Tractor/Loader/Backhoe	6
3	Welders	8

Paving

- 5,400 square feet of asphalt paving
- 12,000 square feet of concrete (drive through and hardscape)

Equipment (CALEEMOD Default):

Quantity	Type	Hours of Daily Operation
1	Pavers	6
1	Paving Equipment	8
1	Rollers	7
1	Cement and Mortar Mixers	6
1	Tractor/Loader/Backhoe	8

Architectural Coating

Equipment (CALEEMOD Default):

Quantity	Type	Hours of Daily Operation
1	Air Compressor	6

Queen Esther

South Coast AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Other Non-Asphalt Surfaces	12	1000sqft
Parking Lot	5.4	1000sqft
Fast Food Restaurant with Drive Thru	4.67	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	8		2.2		
		Precipitation Freq (Days)			
			31		

1.3 User Entered Comments

Project Characteristics -

Land Use - Acreage = shopping center disturbance area

Construction Phase - proposed construction schedule

Demolition -

Grading - 1,000 cy import, 1,000 cy export during grading

Vehicle Trips - Trip rates based on net trip generation from the traffic study.

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

Area Mitigation -

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

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	lb/day										lb/day					
2013	24.84	40.23	25.51	0.04	7.67	2.37	9.15	2.90	2.36	4.50	0.00	4,376.36	0.00	0.47	0.00	4,386.28
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

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	lb/day										lb/day					
2013	24.84	40.23	25.51	0.04	4.24	2.37	5.72	1.24	2.36	2.84	0.00	4,376.36	0.00	0.47	0.00	4,386.28
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

2.2 Overall Operational

Unmitigated Operational

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

Category	lb/day										lb/day					
Area	0.58	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Energy	0.04	0.33	0.28	0.00		0.00	0.03		0.00	0.03		396.86		0.01	0.01	399.28
Mobile	7.84	17.62	69.00	0.10	10.23	0.62	10.85	0.14	0.59	0.74		10,167.66		0.50		10,178.15
Total	**8.46**	**17.95**	**69.28**	**0.10**	**10.23**	**0.62**	**10.88**	**0.14**	**0.59**	**0.77**		**10,564.52**		**0.51**	**0.01**	**10,577.43**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.58	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Energy	0.04	0.33	0.28	0.00		0.00	0.03		0.00	0.03		396.86		0.01	0.01	399.28
Mobile	7.84	17.62	69.00	0.10	10.23	0.62	10.85	0.14	0.59	0.74		10,167.66		0.50		10,178.15
Total	**8.46**	**17.95**	**69.28**	**0.10**	**10.23**	**0.62**	**10.88**	**0.14**	**0.59**	**0.77**		**10,564.52**		**0.51**	**0.01**	**10,577.43**

3.0 Construction Detail

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Demolition - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.70	0.00	0.70	0.00	0.00	0.00						0.00
Off-Road	5.07	38.45	23.67	0.04		2.29	2.29		2.29	2.29		3,946.47		0.46		3,956.03
Total	**5.07**	**38.45**	**23.67**	**0.04**	**0.70**	**2.29**	**2.99**	**0.00**	**2.29**	**2.29**		**3,946.47**		**0.46**		**3,956.03**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.16	1.70	0.87	0.00	0.75	0.07	0.83	0.00	0.07	0.07		266.01		0.01		266.17
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	0.08	0.08	0.97	0.00	0.20	0.01	0.21	0.00	0.01	0.01		163.88		0.01		164.08
Total	**0.24**	**1.78**	**1.84**	**0.00**	**0.95**	**0.08**	**1.04**	**0.00**	**0.08**	**0.08**		**429.89**		**0.02**		**430.25**

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					0.30	0.00	0.30	0.00	0.00	0.00						0.00
Off-Road	5.07	38.45	23.67	0.04		2.29	2.29		2.29	2.29	0.00	3,946.47		0.46		3,956.03
Total	**5.07**	**38.45**	**23.67**	**0.04**	**0.30**	**2.29**	**2.59**	**0.00**	**2.29**	**2.29**	**0.00**	**3,946.47**		**0.46**		**3,956.03**

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	0.16	1.70	0.87	0.00	0.56	0.07	0.63	0.00	0.07	0.07		266.01		0.01		266.17
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	0.08	0.08	0.97	0.00	0.15	0.01	0.16	0.00	0.01	0.01		163.88		0.01		164.08
Total	**0.24**	**1.78**	**1.84**	**0.00**	**0.71**	**0.08**	**0.79**	**0.00**	**0.08**	**0.08**		**429.89**		**0.02**		**430.25**

3.3 Site Preparation - 2013

Unmitigated Construction On-Site

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

Category	lb/day										lb/day					
Fugitive Dust					5.45	0.00	5.45	2.90	0.00	2.90						0.00
Off-Road	3.96	31.66	18.62	0.03		1.60	1.60		1.60	1.60		3,253.39		0.36		3,260.86
Total	**3.96**	**31.66**	**18.62**	**0.03**	**5.45**	**1.60**	**7.05**	**2.90**	**1.60**	**4.50**		**3,253.39**		**0.36**		**3,260.86**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	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	0.60	0.00	0.12	0.00	0.13	0.00	0.00	0.01		100.85		0.01		100.97
Total	**0.05**	**0.05**	**0.60**	**0.00**	**0.12**	**0.00**	**0.13**	**0.00**	**0.00**	**0.01**		**100.85**		**0.01**		**100.97**

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					2.33	0.00	2.33	1.24	0.00	1.24						0.00
Off-Road	3.96	31.66	18.62	0.03		1.60	1.60		1.60	1.60	0.00	3,253.39		0.36		3,260.86
Total	**3.96**	**31.66**	**18.62**	**0.03**	**2.33**	**1.60**	**3.93**	**1.24**	**1.60**	**2.84**	**0.00**	**3,253.39**		**0.36**		**3,260.86**

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	0.60	0.00	0.09	0.00	0.10	0.00	0.00	0.01		100.85		0.01		100.97
Total	**0.05**	**0.05**	**0.60**	**0.00**	**0.09**	**0.00**	**0.10**	**0.00**	**0.00**	**0.01**		**100.85**		**0.01**		**100.97**

3.4 Grading - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.62	0.00	4.62	2.48	0.00	2.48						0.00
Off-Road	3.28	26.25	15.38	0.03		1.32	1.32		1.32	1.32		2,689.97		0.29		2,696.15
Total	**3.28**	**26.25**	**15.38**	**0.03**	**4.62**	**1.32**	**5.94**	**2.48**	**1.32**	**3.80**		**2,689.97**		**0.29**		**2,696.15**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.35	3.69	1.88	0.01	2.93	0.16	3.09	0.01	0.15	0.15		577.28		0.02		577.64
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	0.60	0.00	0.12	0.00	0.13	0.00	0.00	0.01		100.85		0.01		100.97
Total	**0.40**	**3.74**	**2.48**	**0.01**	**3.05**	**0.16**	**3.22**	**0.01**	**0.15**	**0.16**		**678.13**		**0.03**		**678.61**

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					1.97	0.00	1.97	1.06	0.00	1.06						0.00
Off-Road	3.28	26.25	15.38	0.03		1.32	1.32		1.32	1.32	0.00	2,689.97		0.29		2,696.15
Total	**3.28**	**26.25**	**15.38**	**0.03**	**1.97**	**1.32**	**3.29**	**1.06**	**1.32**	**2.38**	**0.00**	**2,689.97**		**0.29**		**2,696.15**

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	0.35	3.69	1.88	0.01	2.17	0.16	2.33	0.01	0.15	0.15		577.28		0.02		577.64
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	0.60	0.00	0.09	0.00	0.10	0.00	0.00	0.01		100.85		0.01		100.97
Total	**0.40**	**3.74**	**2.48**	**0.01**	**2.26**	**0.16**	**2.43**	**0.01**	**0.15**	**0.16**		**678.13**		**0.03**		**678.61**

3.5 Paving - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.99	18.54	12.08	0.02		1.58	1.58		1.58	1.58		1,712.72		0.27		1,718.34

Paving	0.01					0.00	0.00		0.00	0.00						0.00
Total	**3.00**	**18.54**	**12.08**	**0.02**		**1.58**	**1.58**		**1.58**	**1.58**		**1,712.72**		**0.27**		**1,718.34**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	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	0.08	0.08	0.97	0.00	0.20	0.01	0.21	0.00	0.01	0.01		163.88		0.01		164.08
Total	**0.08**	**0.08**	**0.97**	**0.00**	**0.20**	**0.01**	**0.21**	**0.00**	**0.01**	**0.01**		**163.88**		**0.01**		**164.08**

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	2.99	18.54	12.08	0.02		1.58	1.58		1.58	1.58	0.00	1,712.72		0.27		1,718.34
Paving	0.01					0.00	0.00		0.00	0.00						0.00
Total	**3.00**	**18.54**	**12.08**	**0.02**		**1.58**	**1.58**		**1.58**	**1.58**	**0.00**	**1,712.72**		**0.27**		**1,718.34**

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	0.08	0.08	0.97	0.00	0.15	0.01	0.16	0.00	0.01	0.01		163.88		0.01		164.08
Total	**0.08**	**0.08**	**0.97**	**0.00**	**0.15**	**0.01**	**0.16**	**0.00**	**0.01**	**0.01**		**163.88**		**0.01**		**164.08**

3.6 Building Construction - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.54	23.27	16.29	0.03		1.61	1.61		1.61	1.61		2,561.58		0.41		2,570.13
Total	**4.54**	**23.27**	**16.29**	**0.03**		**1.61**	**1.61**		**1.61**	**1.61**		**2,561.58**		**0.41**		**2,570.13**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	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	0.06	0.66	0.38	0.00	0.04	0.02	0.06	0.00	0.02	0.02		110.31		0.00		110.37
Worker	0.06	0.06	0.67	0.00	0.14	0.00	0.14	0.00	0.00	0.01		113.46		0.01		113.59
Total	**0.12**	**0.72**	**1.05**	**0.00**	**0.18**	**0.02**	**0.20**	**0.00**	**0.02**	**0.03**		**223.77**		**0.01**		**223.96**

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	4.54	23.27	16.29	0.03		1.61	1.61		1.61	1.61	0.00	2,561.58		0.41		2,570.13
Total	**4.54**	**23.27**	**16.29**	**0.03**		**1.61**	**1.61**		**1.61**	**1.61**	**0.00**	**2,561.58**		**0.41**		**2,570.13**

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	0.06	0.66	0.38	0.00	0.03	0.02	0.05	0.00	0.02	0.02		110.31		0.00		110.37
Worker	0.06	0.06	0.67	0.00	0.10	0.00	0.11	0.00	0.00	0.01		113.46		0.01		113.59
Total	**0.12**	**0.72**	**1.05**	**0.00**	**0.13**	**0.02**	**0.16**	**0.00**	**0.02**	**0.03**		**223.77**		**0.01**		**223.96**

3.7 Architectural Coating - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	24.34					0.00	0.00		0.00	0.00						0.00
Off-Road	0.49	2.96	1.94	0.00		0.27	0.27		0.27	0.27		281.19		0.04		282.10
Total	**24.83**	**2.96**	**1.94**	**0.00**		**0.27**	**0.27**		**0.27**	**0.27**		**281.19**		**0.04**		**282.10**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	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	0.01	0.01	0.15	0.00	0.03	0.00	0.03	0.00	0.00	0.00		25.21		0.00		25.24
Total	**0.01**	**0.01**	**0.15**	**0.00**	**0.03**	**0.00**	**0.03**	**0.00**	**0.00**	**0.00**		**25.21**		**0.00**		**25.24**

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	24.34					0.00	0.00		0.00	0.00						0.00
Off-Road	0.49	2.96	1.94	0.00		0.27	0.27		0.27	0.27	0.00	281.19		0.04		282.10
Total	**24.83**	**2.96**	**1.94**	**0.00**		**0.27**	**0.27**		**0.27**	**0.27**	**0.00**	**281.19**		**0.04**		**282.10**

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	0.01	0.01	0.15	0.00	0.02	0.00	0.02	0.00	0.00	0.00		25.21		0.00		25.24

Total	**0.01**	**0.01**	**0.15**	**0.00**	**0.02**	**0.00**	**0.02**	**0.00**	**0.00**	**0.00**		**25.21**		**0.00**		**25.24**

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	7.84	17.62	69.00	0.10	10.23	0.62	10.85	0.14	0.59	0.74		10,167.66		0.50		10,178.15
Unmitigated	7.84	17.62	69.00	0.10	10.23	0.62	10.85	0.14	0.59	0.74		10,167.66		0.50		10,178.15
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Fast Food Restaurant with Drive Thru	1,458.77	2,026.55	2026.55	2,471,180	2,471,180
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	1,458.77	2,026.55	2,026.55	2,471,180	2,471,180

4.3 Trip Type Information

	Miles			Trip %		
Land Use	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
Fast Food Restaurant with Drive Thru	8.90	13.30	7.40	2.20	78.80	19.00
Other Non-Asphalt Surfaces	8.90	13.30	7.40	0.00	0.00	0.00
Parking Lot	8.90	13.30	7.40	0.00	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					
NaturalGas Mitigated	0.04	0.33	0.28	0.00		0.00	0.03		0.00	0.03		396.86		0.01	0.01	399.28
NaturalGas Unmitigated	0.04	0.33	0.28	0.00		0.00	0.03		0.00	0.03		396.86		0.01	0.01	399.28
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

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	lb/day										lb/day					

Fast Food Restaurant with	3373.35	0.04	0.33	0.28	0.00		0.00	0.03		0.00	0.03		396.86		0.01	0.01	399.28
Other Non-Asphalt Surfaces	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
Parking Lot	0	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		**0.04**	**0.33**	**0.28**	**0.00**		**0.00**	**0.03**		**0.00**	**0.03**		**396.86**		**0.01**	**0.01**	**399.28**

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	lb/day										lb/day					
Fast Food Restaurant with	3.37335	0.04	0.33	0.28	0.00		0.00	0.03		0.00	0.03		396.86		0.01	0.01	399.28
Other Non-Asphalt Surfaces	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
Parking Lot	0	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		**0.04**	**0.33**	**0.28**	**0.00**		**0.00**	**0.03**		**0.00**	**0.03**		**396.86**		**0.01**	**0.01**	**399.28**

6.0 Area Detail

6.1 Mitigation Measures Area

No Hearths Installed

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

Mitigated	0.58	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Unmitigated	0.58	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

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.14					0.00	0.00		0.00	0.00						0.00
Consumer Products	0.44					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	**0.58**	**0.00**	**0.00**	**0.00**		**0.00**	**0.00**		**0.00**	**0.00**		**0.00**		**0.00**		**0.00**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.14					0.00	0.00		0.00	0.00						0.00
Consumer Products	0.44					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	**0.58**	**0.00**	**0.00**	**0.00**		**0.00**	**0.00**		**0.00**	**0.00**		**0.00**		**0.00**		**0.00**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Vegetation

Queen Esther

South Coast AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Other Non-Asphalt Surfaces	12	1000sqft
Parking Lot	5.4	1000sqft
Fast Food Restaurant with Drive Thru	4.67	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	8		2.2		
		Precipitation Freq (Days)			
			31		

1.3 User Entered Comments

Project Characteristics -

Land Use - Acreage = shopping center disturbance area

Construction Phase - proposed construction schedule

Demolition -

Grading - 1,000 cy import, 1,000 cy export during grading

Vehicle Trips - Trip rates based on net trip generation from the traffic study.

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

Area Mitigation -

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

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	lb/day										lb/day					
2013	24.84	40.33	25.50	0.04	7.67	2.37	9.16	2.90	2.36	4.50	0.00	4,360.81	0.00	0.47	0.00	4,370.72
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

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	lb/day										lb/day					
2013	24.84	40.33	25.50	0.04	4.24	2.37	5.72	1.24	2.36	2.84	0.00	4,360.81	0.00	0.47	0.00	4,370.72
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

2.2 Overall Operational

Unmitigated Operational

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

Category	lb/day										lb/day					
Area	0.58	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Energy	0.04	0.33	0.28	0.00		0.00	0.03		0.00	0.03		396.86		0.01	0.01	399.28
Mobile	8.01	18.76	70.55	0.09	10.23	0.64	10.86	0.14	0.61	0.75		9,451.21		0.43		9,460.20
Total	**8.63**	**19.09**	**70.83**	**0.09**	**10.23**	**0.64**	**10.89**	**0.14**	**0.61**	**0.78**		**9,848.07**		**0.44**	**0.01**	**9,859.48**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.58	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Energy	0.04	0.33	0.28	0.00		0.00	0.03		0.00	0.03		396.86		0.01	0.01	399.28
Mobile	8.01	18.76	70.55	0.09	10.23	0.64	10.86	0.14	0.61	0.75		9,451.21		0.43		9,460.20
Total	**8.63**	**19.09**	**70.83**	**0.09**	**10.23**	**0.64**	**10.89**	**0.14**	**0.61**	**0.78**		**9,848.07**		**0.44**	**0.01**	**9,859.48**

3.0 Construction Detail

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Demolition - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.70	0.00	0.70	0.00	0.00	0.00						0.00
Off-Road	5.07	38.45	23.67	0.04		2.29	2.29		2.29	2.29		3,946.47		0.46		3,956.03
Total	**5.07**	**38.45**	**23.67**	**0.04**	**0.70**	**2.29**	**2.99**	**0.00**	**2.29**	**2.29**		**3,946.47**		**0.46**		**3,956.03**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.16	1.79	0.94	0.00	0.75	0.07	0.83	0.00	0.07	0.07		264.63		0.01		264.80
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	0.09	0.09	0.89	0.00	0.20	0.01	0.21	0.00	0.01	0.01		149.70		0.01		149.89
Total	**0.25**	**1.88**	**1.83**	**0.00**	**0.95**	**0.08**	**1.04**	**0.00**	**0.08**	**0.08**		**414.33**		**0.02**		**414.69**

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					0.30	0.00	0.30	0.00	0.00	0.00						0.00
Off-Road	5.07	38.45	23.67	0.04		2.29	2.29		2.29	2.29	0.00	3,946.47		0.46		3,956.03
Total	**5.07**	**38.45**	**23.67**	**0.04**	**0.30**	**2.29**	**2.59**	**0.00**	**2.29**	**2.29**	**0.00**	**3,946.47**		**0.46**		**3,956.03**

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	0.16	1.79	0.94	0.00	0.56	0.07	0.63	0.00	0.07	0.07		264.63		0.01		264.80
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	0.09	0.09	0.89	0.00	0.15	0.01	0.16	0.00	0.01	0.01		149.70		0.01		149.89
Total	**0.25**	**1.88**	**1.83**	**0.00**	**0.71**	**0.08**	**0.79**	**0.00**	**0.08**	**0.08**		**414.33**		**0.02**		**414.69**

3.3 Site Preparation - 2013

Unmitigated Construction On-Site

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

Category	lb/day										lb/day					
Fugitive Dust					5.45	0.00	5.45	2.90	0.00	2.90						0.00
Off-Road	3.96	31.66	18.62	0.03		1.60	1.60		1.60	1.60		3,253.39		0.36		3,260.86
Total	**3.96**	**31.66**	**18.62**	**0.03**	**5.45**	**1.60**	**7.05**	**2.90**	**1.60**	**4.50**		**3,253.39**		**0.36**		**3,260.86**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	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	0.06	0.55	0.00	0.12	0.00	0.13	0.00	0.00	0.01		92.12		0.01		92.24
Total	**0.05**	**0.06**	**0.55**	**0.00**	**0.12**	**0.00**	**0.13**	**0.00**	**0.00**	**0.01**		**92.12**		**0.01**		**92.24**

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					2.33	0.00	2.33	1.24	0.00	1.24						0.00
Off-Road	3.96	31.66	18.62	0.03		1.60	1.60		1.60	1.60	0.00	3,253.39		0.36		3,260.86
Total	**3.96**	**31.66**	**18.62**	**0.03**	**2.33**	**1.60**	**3.93**	**1.24**	**1.60**	**2.84**	**0.00**	**3,253.39**		**0.36**		**3,260.86**

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	0.06	0.55	0.00	0.09	0.00	0.10	0.00	0.00	0.01		92.12		0.01		92.24
Total	**0.05**	**0.06**	**0.55**	**0.00**	**0.09**	**0.00**	**0.10**	**0.00**	**0.00**	**0.01**		**92.12**		**0.01**		**92.24**

3.4 Grading - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.62	0.00	4.62	2.48	0.00	2.48						0.00
Off-Road	3.28	26.25	15.38	0.03		1.32	1.32		1.32	1.32		2,689.97		0.29		2,696.15
Total	**3.28**	**26.25**	**15.38**	**0.03**	**4.62**	**1.32**	**5.94**	**2.48**	**1.32**	**3.80**		**2,689.97**		**0.29**		**2,696.15**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.36	3.88	2.03	0.01	2.93	0.16	3.09	0.01	0.15	0.15		574.29		0.02		574.65
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	0.06	0.55	0.00	0.12	0.00	0.13	0.00	0.00	0.01		92.12		0.01		92.24
Total	**0.41**	**3.94**	**2.58**	**0.01**	**3.05**	**0.16**	**3.22**	**0.01**	**0.15**	**0.16**		**666.41**		**0.03**		**666.89**

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					1.97	0.00	1.97	1.06	0.00	1.06						0.00
Off-Road	3.28	26.25	15.38	0.03		1.32	1.32		1.32	1.32	0.00	2,689.97		0.29		2,696.15
Total	**3.28**	**26.25**	**15.38**	**0.03**	**1.97**	**1.32**	**3.29**	**1.06**	**1.32**	**2.38**	**0.00**	**2,689.97**		**0.29**		**2,696.15**

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	0.36	3.88	2.03	0.01	2.17	0.16	2.33	0.01	0.15	0.15		574.29		0.02		574.65
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	0.06	0.55	0.00	0.09	0.00	0.10	0.00	0.00	0.01		92.12		0.01		92.24
Total	**0.41**	**3.94**	**2.58**	**0.01**	**2.26**	**0.16**	**2.43**	**0.01**	**0.15**	**0.16**		**666.41**		**0.03**		**666.89**

3.5 Paving - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.99	18.54	12.08	0.02		1.58	1.58		1.58	1.58		1,712.72		0.27		1,718.34

Paving	0.01					0.00	0.00		0.00	0.00						0.00
Total	**3.00**	**18.54**	**12.08**	**0.02**		**1.58**	**1.58**		**1.58**	**1.58**		**1,712.72**		**0.27**		**1,718.34**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	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	0.09	0.09	0.89	0.00	0.20	0.01	0.21	0.00	0.01	0.01		149.70		0.01		149.89
Total	**0.09**	**0.09**	**0.89**	**0.00**	**0.20**	**0.01**	**0.21**	**0.00**	**0.01**	**0.01**		**149.70**		**0.01**		**149.89**

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	2.99	18.54	12.08	0.02		1.58	1.58		1.58	1.58	0.00	1,712.72		0.27		1,718.34
Paving	0.01					0.00	0.00		0.00	0.00						0.00
Total	**3.00**	**18.54**	**12.08**	**0.02**		**1.58**	**1.58**		**1.58**	**1.58**	**0.00**	**1,712.72**		**0.27**		**1,718.34**

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	0.09	0.09	0.89	0.00	0.15	0.01	0.16	0.00	0.01	0.01		149.70		0.01		149.89
Total	**0.09**	**0.09**	**0.89**	**0.00**	**0.15**	**0.01**	**0.16**	**0.00**	**0.01**	**0.01**		**149.70**		**0.01**		**149.89**

3.6 Building Construction - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.54	23.27	16.29	0.03		1.61	1.61		1.61	1.61		2,561.58		0.41		2,570.13
Total	**4.54**	**23.27**	**16.29**	**0.03**		**1.61**	**1.61**		**1.61**	**1.61**		**2,561.58**		**0.41**		**2,570.13**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	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	0.06	0.69	0.43	0.00	0.04	0.02	0.06	0.00	0.02	0.02		109.45		0.00		109.51
Worker	0.06	0.07	0.62	0.00	0.14	0.00	0.14	0.00	0.00	0.01		103.64		0.01		103.77
Total	**0.12**	**0.76**	**1.05**	**0.00**	**0.18**	**0.02**	**0.20**	**0.00**	**0.02**	**0.03**		**213.09**		**0.01**		**213.28**

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	4.54	23.27	16.29	0.03		1.61	1.61		1.61	1.61	0.00	2,561.58		0.41		2,570.13
Total	**4.54**	**23.27**	**16.29**	**0.03**		**1.61**	**1.61**		**1.61**	**1.61**	**0.00**	**2,561.58**		**0.41**		**2,570.13**

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	0.06	0.69	0.43	0.00	0.03	0.02	0.05	0.00	0.02	0.02		109.45		0.00		109.51
Worker	0.06	0.07	0.62	0.00	0.10	0.00	0.11	0.00	0.00	0.01		103.64		0.01		103.77
Total	**0.12**	**0.76**	**1.05**	**0.00**	**0.13**	**0.02**	**0.16**	**0.00**	**0.02**	**0.03**		**213.09**		**0.01**		**213.28**

3.7 Architectural Coating - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	24.34					0.00	0.00		0.00	0.00						0.00
Off-Road	0.49	2.96	1.94	0.00		0.27	0.27		0.27	0.27		281.19		0.04		282.10
Total	**24.83**	**2.96**	**1.94**	**0.00**		**0.27**	**0.27**		**0.27**	**0.27**		**281.19**		**0.04**		**282.10**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	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	0.01	0.01	0.14	0.00	0.03	0.00	0.03	0.00	0.00	0.00		23.03		0.00		23.06
Total	**0.01**	**0.01**	**0.14**	**0.00**	**0.03**	**0.00**	**0.03**	**0.00**	**0.00**	**0.00**		**23.03**		**0.00**		**23.06**

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	24.34					0.00	0.00		0.00	0.00						0.00
Off-Road	0.49	2.96	1.94	0.00		0.27	0.27		0.27	0.27	0.00	281.19		0.04		282.10
Total	**24.83**	**2.96**	**1.94**	**0.00**		**0.27**	**0.27**		**0.27**	**0.27**	**0.00**	**281.19**		**0.04**		**282.10**

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	0.01	0.01	0.14	0.00	0.02	0.00	0.02	0.00	0.00	0.00		23.03		0.00		23.06

Total	**0.01**	**0.01**	**0.14**	**0.00**	**0.02**	**0.00**	**0.02**	**0.00**	**0.00**	**0.00**		**23.03**		**0.00**		**23.06**

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	8.01	18.76	70.55	0.09	10.23	0.64	10.86	0.14	0.61	0.75		9,451.21		0.43		9,460.20
Unmitigated	8.01	18.76	70.55	0.09	10.23	0.64	10.86	0.14	0.61	0.75		9,451.21		0.43		9,460.20
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Fast Food Restaurant with Drive Thru	1,458.77	2,026.55	2026.55	2,471,180	2,471,180
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	1,458.77	2,026.55	2,026.55	2,471,180	2,471,180

4.3 Trip Type Information

	Miles			Trip %		
Land Use	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
Fast Food Restaurant with Drive Thru	8.90	13.30	7.40	2.20	78.80	19.00
Other Non-Asphalt Surfaces	8.90	13.30	7.40	0.00	0.00	0.00
Parking Lot	8.90	13.30	7.40	0.00	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					
NaturalGas Mitigated	0.04	0.33	0.28	0.00		0.00	0.03		0.00	0.03		396.86		0.01	0.01	399.28
NaturalGas Unmitigated	0.04	0.33	0.28	0.00		0.00	0.03		0.00	0.03		396.86		0.01	0.01	399.28
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

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	lb/day										lb/day					

Fast Food Restaurant with	3373.35	0.04	0.33	0.28	0.00		0.00	0.03		0.00	0.03		396.86		0.01	0.01	399.28
Other Non-Asphalt Surfaces	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
Parking Lot	0	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		**0.04**	**0.33**	**0.28**	**0.00**		**0.00**	**0.03**		**0.00**	**0.03**		**396.86**		**0.01**	**0.01**	**399.28**

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	lb/day										lb/day					
Fast Food Restaurant with	3.37335	0.04	0.33	0.28	0.00		0.00	0.03		0.00	0.03		396.86		0.01	0.01	399.28
Other Non-Asphalt Surfaces	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
Parking Lot	0	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		**0.04**	**0.33**	**0.28**	**0.00**		**0.00**	**0.03**		**0.00**	**0.03**		**396.86**		**0.01**	**0.01**	**399.28**

6.0 Area Detail

6.1 Mitigation Measures Area

No Hearths Installed

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

Mitigated	0.58	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Unmitigated	0.58	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

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.14					0.00	0.00		0.00	0.00						0.00
Consumer Products	0.44					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	**0.58**	**0.00**	**0.00**	**0.00**		**0.00**	**0.00**		**0.00**	**0.00**		**0.00**		**0.00**		**0.00**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.14					0.00	0.00		0.00	0.00						0.00
Consumer Products	0.44					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	**0.58**	**0.00**	**0.00**	**0.00**		**0.00**	**0.00**		**0.00**	**0.00**		**0.00**		**0.00**		**0.00**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Vegetation

Queen Esther

South Coast AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Other Non-Asphalt Surfaces	12	1000sqft
Parking Lot	5.4	1000sqft
Fast Food Restaurant with Drive Thru	4.67	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	8		2.2		
		Precipitation Freq (Days)			
			31		

1.3 User Entered Comments

Project Characteristics -

Land Use - Acreage = shopping center disturbance area

Construction Phase - proposed construction schedule

Demolition -

Grading - 1,000 cy import, 1,000 cy export during grading

Vehicle Trips - Trip rates based on net trip generation from the traffic study.

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

Area Mitigation -

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					
2013	0.42	1.05	0.69	0.00	0.09	0.07	0.16	0.03	0.07	0.10	0.00	104.32	104.32	0.01	0.00	104.59
Total	**0.42**	**1.05**	**0.69**	**0.00**	**0.09**	**0.07**	**0.16**	**0.03**	**0.07**	**0.10**	**0.00**	**104.32**	**104.32**	**0.01**	**0.00**	**104.59**

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					
2013	0.42	1.05	0.69	0.00	0.05	0.07	0.12	0.01	0.07	0.08	0.00	104.32	104.32	0.01	0.00	104.59
Total	**0.42**	**1.05**	**0.69**	**0.00**	**0.05**	**0.07**	**0.12**	**0.01**	**0.07**	**0.08**	**0.00**	**104.32**	**104.32**	**0.01**	**0.00**	**104.59**

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	0.11	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	0.01	0.06	0.05	0.00		0.00	0.00		0.00	0.00	0.00	119.18	119.18	0.00	0.00	119.91
Mobile	1.11	2.59	10.31	0.01	1.34	0.09	1.43	0.02	0.09	0.11	0.00	1,276.88	1,276.88	0.07	0.00	1,278.33
Waste						0.00	0.00		0.00	0.00	10.92	0.00	10.92	0.65	0.00	24.47
Water						0.00	0.00		0.00	0.00	0.00	5.68	5.68	0.04	0.00	6.95
Total	**1.23**	**2.65**	**10.36**	**0.01**	**1.34**	**0.09**	**1.43**	**0.02**	**0.09**	**0.11**	**10.92**	**1,401.74**	**1,412.66**	**0.76**	**0.00**	**1,429.66**

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	0.11	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	0.01	0.06	0.05	0.00		0.00	0.00		0.00	0.00	0.00	119.18	119.18	0.00	0.00	119.91
Mobile	1.11	2.59	10.31	0.01	1.34	0.09	1.43	0.02	0.09	0.11	0.00	1,276.88	1,276.88	0.07	0.00	1,278.33
Waste						0.00	0.00		0.00	0.00	10.92	0.00	10.92	0.65	0.00	24.47
Water						0.00	0.00		0.00	0.00	0.00	5.68	5.68	0.04	0.00	6.95
Total	**1.23**	**2.65**	**10.36**	**0.01**	**1.34**	**0.09**	**1.43**	**0.02**	**0.09**	**0.11**	**10.92**	**1,401.74**	**1,412.66**	**0.76**	**0.00**	**1,429.66**

3.0 Construction Detail

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Demolition - 2013

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					0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.03	0.19	0.12	0.00		0.01	0.01		0.01	0.01	0.00	17.90	17.90	0.00	0.00	17.94

Total	**0.03**	**0.19**	**0.12**	**0.00**	**0.00**	**0.01**	**0.01**	**0.00**	**0.01**	**0.01**	**0.00**	**17.90**	**17.90**	**0.00**	**0.00**	**17.94**

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	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.20	1.20	0.00	0.00	1.20
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	0.70	0.70	0.00	0.00	0.70
Total	**0.00**	**0.01**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**1.90**	**1.90**	**0.00**	**0.00**	**1.90**

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	0.03	0.19	0.12	0.00		0.01	0.01		0.01	0.01	0.00	17.90	17.90	0.00	0.00	17.94
Total	**0.03**	**0.19**	**0.12**	**0.00**	**0.00**	**0.01**	**0.01**	**0.00**	**0.01**	**0.01**	**0.00**	**17.90**	**17.90**	**0.00**	**0.00**	**17.94**

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	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.20	1.20	0.00	0.00	1.20
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	0.70	0.70	0.00	0.00	0.70
Total	**0.00**	**0.01**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**1.90**	**1.90**	**0.00**	**0.00**	**1.90**

3.3 Site Preparation - 2013

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					0.02	0.00	0.02	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.01	0.09	0.06	0.00		0.00	0.00		0.00	0.00	0.00	8.85	8.85	0.00	0.00	8.87
Total	**0.01**	**0.09**	**0.06**	**0.00**	**0.02**	**0.00**	**0.02**	**0.01**	**0.00**	**0.01**	**0.00**	**8.85**	**8.85**	**0.00**	**0.00**	**8.87**

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	0.00	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	0.26	0.26	0.00	0.00	0.26
Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.26**	**0.26**	**0.00**	**0.00**	**0.26**

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	0.01	0.09	0.06	0.00		0.00	0.00		0.00	0.00	0.00	8.85	8.85	0.00	0.00	8.87
Total	**0.01**	**0.09**	**0.06**	**0.00**	**0.01**	**0.00**	**0.01**	**0.00**	**0.00**	**0.00**	**0.00**	**8.85**	**8.85**	**0.00**	**0.00**	**8.87**

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	0.26	0.26	0.00	0.00	0.26
Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.26**	**0.26**	**0.00**	**0.00**	**0.26**

3.4 Grading - 2013

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					0.04	0.00	0.04	0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.03	0.24	0.14	0.00		0.01	0.01		0.01	0.01	0.00	21.96	21.96	0.00	0.00	22.01
Total	**0.03**	**0.24**	**0.14**	**0.00**	**0.04**	**0.01**	**0.05**	**0.02**	**0.01**	**0.03**	**0.00**	**21.96**	**21.96**	**0.00**	**0.00**	**22.01**

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	0.00	0.03	0.02	0.00	0.02	0.00	0.03	0.00	0.00	0.00	0.00	4.70	4.70	0.00	0.00	4.71
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	0.77	0.77	0.00	0.00	0.77
Total	**0.00**	**0.03**	**0.03**	**0.00**	**0.02**	**0.00**	**0.03**	**0.00**	**0.00**	**0.00**	**0.00**	**5.47**	**5.47**	**0.00**	**0.00**	**5.48**

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					0.02	0.00	0.02	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.03	0.24	0.14	0.00		0.01	0.01		0.01	0.01	0.00	21.96	21.96	0.00	0.00	22.01
Total	**0.03**	**0.24**	**0.14**	**0.00**	**0.02**	**0.01**	**0.03**	**0.01**	**0.01**	**0.02**	**0.00**	**21.96**	**21.96**	**0.00**	**0.00**	**22.01**

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	0.03	0.02	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	4.70	4.70	0.00	0.00	4.71
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	0.77	0.77	0.00	0.00	0.77

Total	**0.00**	**0.03**	**0.03**	**0.00**	**0.02**	**0.00**	**0.02**	**0.00**	**0.00**	**0.00**	**0.00**	**5.47**	**5.47**	**0.00**	**0.00**	**5.48**

3.5 Paving - 2013

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	0.03	0.20	0.13	0.00		0.02	0.02		0.02	0.02	0.00	17.09	17.09	0.00	0.00	17.14
Paving	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	**0.03**	**0.20**	**0.13**	**0.00**		**0.02**	**0.02**		**0.02**	**0.02**	**0.00**	**17.09**	**17.09**	**0.00**	**0.00**	**17.14**

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	0.00	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	1.54	1.54	0.00	0.00	1.54
Total	**0.00**	**0.00**	**0.01**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**1.54**	**1.54**	**0.00**	**0.00**	**1.54**

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	0.03	0.20	0.13	0.00		0.02	0.02		0.02	0.02	0.00	17.09	17.09	0.00	0.00	17.14
Paving	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	**0.03**	**0.20**	**0.13**	**0.00**		**0.02**	**0.02**		**0.02**	**0.02**	**0.00**	**17.09**	**17.09**	**0.00**	**0.00**	**17.14**

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	1.54	1.54	0.00	0.00	1.54
Total	**0.00**	**0.00**	**0.01**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**1.54**	**1.54**	**0.00**	**0.00**	**1.54**

3.6 Building Construction - 2013

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	0.05	0.24	0.17	0.00		0.02	0.02		0.02	0.02	0.00	24.39	24.39	0.00	0.00	24.47
Total	**0.05**	**0.24**	**0.17**	**0.00**		**0.02**	**0.02**		**0.02**	**0.02**	**0.00**	**24.39**	**24.39**	**0.00**	**0.00**	**24.47**

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	0.00	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	1.05	1.05	0.00	0.00	1.05
Worker	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.02	1.02	0.00	0.00	1.02
Total	**0.00**	**0.01**	**0.01**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**2.07**	**2.07**	**0.00**	**0.00**	**2.07**

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	0.05	0.24	0.17	0.00		0.02	0.02		0.02	0.02	0.00	24.39	24.39	0.00	0.00	24.47
Total	**0.05**	**0.24**	**0.17**	**0.00**		**0.02**	**0.02**		**0.02**	**0.02**	**0.00**	**24.39**	**24.39**	**0.00**	**0.00**	**24.47**

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	1.05	1.05	0.00	0.00	1.05
Worker	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.02	1.02	0.00	0.00	1.02
Total	**0.00**	**0.01**	**0.01**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**2.07**	**2.07**	**0.00**	**0.00**	**2.07**

3.7 Architectural Coating - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.26					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.01	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	**0.27**	**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**

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	0.00	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	0.23	0.23	0.00	0.00	0.23
Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.23**	**0.23**	**0.00**	**0.00**	**0.23**

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	0.26					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.01	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	**0.27**	**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	0.23	0.23	0.00	0.00	0.23
Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.23**	**0.23**	**0.00**	**0.00**	**0.23**

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	1.11	2.59	10.31	0.01	1.34	0.09	1.43	0.02	0.09	0.11	0.00	1,276.88	1,276.88	0.07	0.00	1,278.33
Unmitigated	1.11	2.59	10.31	0.01	1.34	0.09	1.43	0.02	0.09	0.11	0.00	1,276.88	1,276.88	0.07	0.00	1,278.33
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Fast Food Restaurant with Drive Thru	1,458.77	2,026.55	2026.55	2,471,180	2,471,180
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	1,458.77	2,026.55	2,026.55	2,471,180	2,471,180

4.3 Trip Type Information

	Miles			Trip %		
Land Use	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
Fast Food Restaurant with Drive Thru	8.90	13.30	7.40	2.20	78.80	19.00
Other Non-Asphalt Surfaces	8.90	13.30	7.40	0.00	0.00	0.00
Parking Lot	8.90	13.30	7.40	0.00	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	53.47	53.47	0.00	0.00	53.81

Electricity Unmitigated						0.00	0.00		0.00	0.00	0.00	53.47	53.47	0.00	0.00	53.81
NaturalGas Mitigated	0.01	0.06	0.05	0.00		0.00	0.00		0.00	0.00	0.00	65.71	65.71	0.00	0.00	66.11
NaturalGas Unmitigated	0.01	0.06	0.05	0.00		0.00	0.00		0.00	0.00	0.00	65.71	65.71	0.00	0.00	66.11
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

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	tons/yr										MT/yr					
Fast Food Restaurant with	1.23127e+006	0.01	0.06	0.05	0.00		0.00	0.00		0.00	0.00	0.00	65.71	65.71	0.00	0.00	66.11
Other Non-Asphalt Surfaces	0	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
Parking Lot	0	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**	**0.06**	**0.05**	**0.00**		**0.00**	**0.00**		**0.00**	**0.00**	**0.00**	**65.71**	**65.71**	**0.00**	**0.00**	**66.11**

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	tons/yr										MT/yr					
Fast Food Restaurant with	1.23127e+006	0.01	0.06	0.05	0.00		0.00	0.00		0.00	0.00	0.00	65.71	65.71	0.00	0.00	66.11
Other Non-Asphalt Surfaces	0	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
Parking Lot	0	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**	**0.06**	**0.05**	**0.00**		**0.00**	**0.00**		**0.00**	**0.00**	**0.00**	**65.71**	**65.71**	**0.00**	**0.00**	**66.11**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	kWh	tons/yr				MT/yr			
Fast Food Restaurant with	183828					53.47	0.00	0.00	53.81
Other Non-Asphalt Surfaces	0					0.00	0.00	0.00	0.00
Parking Lot	0					0.00	0.00	0.00	0.00
Total						**53.47**	**0.00**	**0.00**	**53.81**

Mitigated

	Electricity Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	kWh	tons/yr				MT/yr			
Fast Food Restaurant with	183828					53.47	0.00	0.00	53.81
Other Non-Asphalt Surfaces	0					0.00	0.00	0.00	0.00
Parking Lot	0					0.00	0.00	0.00	0.00
Total						**53.47**	**0.00**	**0.00**	**53.81**

6.0 Area Detail

6.1 Mitigation Measures Area

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.11	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
Unmitigated	0.11	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

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	0.03					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.08					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	**0.11**	**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**

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	0.03					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.08					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	**0.11**	**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**

7.0 Water Detail

7.1 Mitigation Measures Water

	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr				MT/yr			
Mitigated					5.68	0.04	0.00	6.95
Unmitigated					5.68	0.04	0.00	6.95
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr				MT/yr			
Fast Food Restaurant with	1.4175 / 0.0904789					5.68	0.04	0.00	6.95
Other Non-Asphalt Surfaces	0 / 0					0.00	0.00	0.00	0.00
Parking Lot	0 / 0					0.00	0.00	0.00	0.00
Total						**5.68**	**0.04**	**0.00**	**6.95**

Mitigated

	Indoor/Outdoor Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr				MT/yr			
Fast Food Restaurant with	1.4175 / 0.0904789					5.68	0.04	0.00	6.95
Other Non-Asphalt Surfaces	0 / 0					0.00	0.00	0.00	0.00
Parking Lot	0 / 0					0.00	0.00	0.00	0.00
Total						**5.68**	**0.04**	**0.00**	**6.95**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
	tons/yr				MT/yr			
Mitigated					10.92	0.65	0.00	24.47
Unmitigated					10.92	0.65	0.00	24.47
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr				MT/yr			
Fast Food Restaurant with	53.79					10.92	0.65	0.00	24.47
Other Non-Asphalt Surfaces	0					0.00	0.00	0.00	0.00
Parking Lot	0					0.00	0.00	0.00	0.00
Total						**10.92**	**0.65**	**0.00**	**24.47**

Mitigated

	Waste Disposed	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr				MT/yr			
Fast Food Restaurant with	53.79					10.92	0.65	0.00	24.47
Other Non-Asphalt Surfaces	0					0.00	0.00	0.00	0.00
Parking Lot	0					0.00	0.00	0.00	0.00
Total						**10.92**	**0.65**	**0.00**	**24.47**

9.0 Vegetation

1 CALINE4 - (DATED CALINE4x)

3.0.0 PC (32 BIT) VERSION
(C) COPYRIGHT 2000, TRINITY CONSULTANTS

Run Began on 3/11/2013 at 10:29:34

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Imperial-Sepulveda
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 0. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 6 (F) VS= 0.0 CM/S
MIXH= 1000. M AMB= 2.6 PPM
SIGTH= 5. DEGREES TEMP= 20.0 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (M) X1	Y1	X2	Y2	TYPE	VPH	EF (G/MI)	H (M)	W (M)
1. Y SB1	684	1256	711	1201	AG	2306	2.0	0.0	36.3
2. Y SB2	711	1201	745	1133	AG	2064	4.5	0.0	36.3
3. Y SB3	745	1133	800	1025	AG	2247	2.0	0.0	36.3
4. Y SB4	800	1025	858	906	AG	2247	2.0	0.0	36.3
5. Y NB1	868	911	813	1024	AG	2456	2.0	0.0	36.3
6. Y NB2	814	1024	761	1138	AG	2258	4.5	0.0	36.3
7. Y NB3	761	1138	728	1205	AG	2412	2.0	0.0	36.3
8. Y NB4	728	1205	700	1263	AG	2412	2.0	0.0	36.3
9. Y LT1	720	1198	753	1134	AG	242	4.5	0.0	36.3
10. Y LT2	753	1134	802	1038	AG	198	4.5	0.0	36.3
11. X EB1	596	1103	682	1125	AG	513	2.0	0.0	45.7
12. X EB2	682	1125	750	1141	AG	359	4.5	0.0	45.7
13. X EB3	750	1141	826	1158	AG	601	2.0	0.0	45.7
14. X EB4	826	1158	923	1182	AG	601	2.0	0.0	45.7
15. X WB1	924	1170	832	1147	AG	652	2.0	0.0	45.7
16. X WB2	832	1147	757	1128	AG	469	4.5	0.0	45.7
17. X WB3	757	1128	687	1111	AG	667	2.0	0.0	45.7
18. X WB4	687	1111	599	1090	AG	667	2.0	0.0	45.7
19. X LT1	674	1115	753	1134	AG	154	4.5	0.0	45.7
20. X LT2	753	1134	841	1157	AG	183	4.5	0.0	45.7

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
1. Recpt 1	805	1099	1.8
2. Recpt 2	691	1157	1.8
3. Recpt 3	729	1093	1.8
4. Recpt 4	778	1179	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) 1	2	3	4	5	6	7	8
1. Recpt 1	313.	3.5	0.0	0.3	0.0	0.0	0.0	0.3	0.1	0.0
2. Recpt 2	130.	3.2	0.0	0.0	0.2	0.0	0.0	0.3	0.0	0.0
3. Recpt 3	359.	3.3	0.0	0.3	0.0	0.0	0.0	0.0	0.1	0.1
4. Recpt 4	173.	3.3	0.0	0.0	0.1	0.1	0.0	0.4	0.0	0.0

RECEPTOR	CONC/LINK (PPM) 9	10	11	12	13	14	15	16
1. Recpt 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
2. Recpt 2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
3. Recpt 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4. Recpt 4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1

RECEPTOR	CONC/LINK (PPM) 17	18	19	20
1. Recpt 1	0.0	0.0	0.0	0.0
2. Recpt 2	0.0	0.0	0.0	0.0
3. Recpt 3	0.0	0.0	0.0	0.0
4. Recpt 4	0.0	0.0	0.0	0.0

1

Run Ended on 3/11/2013 at 10:29:35

1 CALINE4 - (DATED CALINE4x)

3.0.0 PC (32 BIT) VERSION
(C) COPYRIGHT 2000, TRINITY CONSULTANTS

Run Began on 2/27/2013 at 17:25:24

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Grand-Sepulveda
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 0. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 6 (F) VS= 0.0 CM/S
MIXH= 1000. M AMB= 2.6 PPM
SIGTH= 5. DEGREES TEMP= 20.0 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (M) X1	Y1	X2	Y2	TYPE	VPH	EF (G/MI)	H (M)	W (M)
1. Y SB1	684	1256	711	1201	AG	2140	2.0	0.0	36.3
2. Y SB2	711	1201	745	1133	AG	1918	4.5	0.0	36.3
3. Y SB3	745	1133	800	1025	AG	2128	2.0	0.0	36.3
4. Y SB4	800	1025	858	906	AG	2128	2.0	0.0	36.3
5. Y NB1	868	911	813	1024	AG	2562	2.0	0.0	36.3
6. Y NB2	814	1024	761	1138	AG	2329	4.5	0.0	36.3
7. Y NB3	761	1138	728	1205	AG	2624	2.0	0.0	36.3
8. Y NB4	728	1205	700	1263	AG	2624	2.0	0.0	36.3
9. Y LT1	720	1198	753	1134	AG	222	4.5	0.0	36.3
10. Y LT2	753	1134	802	1038	AG	233	4.5	0.0	36.3
11. X EB1	596	1103	682	1125	AG	786	2.0	0.0	33.9
12. X EB2	682	1125	750	1141	AG	491	4.5	0.0	33.9
13. X EB3	750	1141	826	1158	AG	713	2.0	0.0	33.9
14. X EB4	826	1158	923	1182	AG	713	2.0	0.0	33.9
15. X WB1	924	1170	832	1147	AG	611	2.0	0.0	33.9
16. X WB2	832	1147	757	1128	AG	401	4.5	0.0	33.9
17. X WB3	757	1128	687	1111	AG	634	2.0	0.0	33.9
18. X WB4	687	1111	599	1090	AG	634	2.0	0.0	33.9
19. X LT1	674	1115	753	1134	AG	295	4.5	0.0	33.9
20. X LT2	753	1134	841	1157	AG	210	4.5	0.0	33.9

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
1. Recpt 1	805	1099	1.8
2. Recpt 2	691	1157	1.8
3. Recpt 3	729	1093	1.8
4. Recpt 4	778	1179	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) 1	2	3	4	5	6	7	8
1. Recpt 1	312.	3.5	0.0	0.3	0.0	0.0	0.0	0.3	0.1	0.0
2. Recpt 2	130.	3.3	0.0	0.0	0.2	0.0	0.0	0.3	0.0	0.0
3. Recpt 3	359.	3.3	0.0	0.3	0.0	0.0	0.0	0.0	0.1	0.1
4. Recpt 4	173.	3.4	0.0	0.0	0.1	0.1	0.0	0.4	0.0	0.0

RECEPTOR	CONC/LINK (PPM) 9	10	11	12	13	14	15	16
1. Recpt 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
2. Recpt 2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
3. Recpt 3	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
4. Recpt 4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

RECEPTOR	CONC/LINK (PPM) 17	18	19	20
1. Recpt 1	0.0	0.0	0.0	0.0
2. Recpt 2	0.0	0.0	0.0	0.0
3. Recpt 3	0.0	0.0	0.0	0.0
4. Recpt 4	0.0	0.0	0.0	0.0

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Run Ended on 2/27/2013 at 17:25:24

1 CALINE4 - (DATED CALINE4x)

3.0.0 PC (32 BIT) VERSION
(C) COPYRIGHT 2000, TRINITY CONSULTANTS

Run Began on 2/27/2013 at 17:24:20

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Mariposa-Sepulveda
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 0. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 6 (F) VS= 0.0 CM/S
MIXH= 1000. M AMB= 2.6 PPM
SIGTH= 5. DEGREES TEMP= 20.0 DEGREE (C)

II. LINK VARIABLES

	LINK DESCRIPTION	LINK COORDINATES (M) X1	Y1	X2	Y2	TYPE	VPH	EF (G/MI)	H (M)	W (M)
1.	Y SB1	684	1256	711	1201	AG	691	2.0	0.0	39.8
2.	Y SB2	711	1201	745	1133	AG	461	4.5	0.0	39.8
3.	Y SB3	745	1133	800	1025	AG	630	2.0	0.0	39.8
4.	Y SB4	800	1025	858	906	AG	630	2.0	0.0	39.8
5.	Y NB1	868	911	813	1024	AG	2719	2.0	0.0	39.8
6.	Y NB2	814	1024	761	1138	AG	2628	4.5	0.0	39.8
7.	Y NB3	761	1138	728	1205	AG	2764	2.0	0.0	39.8
8.	Y NB4	728	1205	700	1263	AG	2764	2.0	0.0	39.8
9.	Y LT1	720	1198	753	1134	AG	230	4.5	0.0	39.8
10.	Y LT2	753	1134	802	1038	AG	91	4.5	0.0	39.8
11.	X EB1	596	1103	682	1125	AG	360	2.0	0.0	28.5
12.	X EB2	682	1125	750	1141	AG	224	4.5	0.0	28.5
13.	X EB3	750	1141	826	1158	AG	454	2.0	0.0	28.5
14.	X EB4	826	1158	923	1182	AG	454	2.0	0.0	28.5
15.	X WB1	924	1170	832	1147	AG	553	2.0	0.0	28.5
16.	X WB2	832	1147	757	1128	AG	384	4.5	0.0	28.5
17.	X WB3	757	1128	687	1111	AG	475	2.0	0.0	28.5
18.	X WB4	687	1111	599	1090	AG	475	2.0	0.0	28.5
19.	X LT1	674	1115	753	1134	AG	136	4.5	0.0	28.5
20.	X LT2	753	1134	841	1157	AG	169	4.5	0.0	28.5

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
1. Recpt 1	805	1099	1.8
2. Recpt 2	691	1157	1.8
3. Recpt 3	729	1093	1.8
4. Recpt 4	778	1179	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) 1	2	3	4	5	6	7	8
1. Recpt 1	317.	3.4	0.0	0.1	0.0	0.0	0.0	0.4	0.2	0.0
2. Recpt 2	130.	3.1	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0
3. Recpt 3	57.	3.1	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0
4. Recpt 4	173.	3.3	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0

RECEPTOR	CONC/LINK (PPM) 9	10	11	12	13	14	15	16
1. Recpt 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
2. Recpt 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. Recpt 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
4. Recpt 4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

RECEPTOR	CONC/LINK (PPM) 17	18	19	20
1. Recpt 1	0.0	0.0	0.0	0.0
2. Recpt 2	0.0	0.0	0.0	0.0
3. Recpt 3	0.0	0.0	0.0	0.0
4. Recpt 4	0.0	0.0	0.0	0.0

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Run Ended on 2/27/2013 at 17:24:21