

Appendix B

Amended Air Quality
Modeling Results

**CDCR CMF SOL Single Facility
Yolo/Solano AQMD Air District, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Hospital	257.92	1000sqft

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)		Utility Company	Pacific Gas & Electric Company
Climate Zone	4		2.2		
		Precipitation Freq (Days)			
			55		

1.3 User Entered Comments

- Project Characteristics -
- Land Use - Disturbance area - 51.83 acres
- Construction Phase - 26 months construction schedule
- Off-road Equipment - Equipment list from CDCR
- Load factors adjusted based on ARB off-road diesel regulation
- Off-road Equipment - Equipment information from client
- Off-road Equipment - Equipment list from CDCR
- Load factors adjusted based on ARB off-road diesel regulation
- Off-road Equipment - Equipment list from CDCR
- Load factors adjusted based on ARB off-road diesel regulation
- Off-road Equipment - ARB Off-Road Diesel Regulation
- Off-road Equipment - Equipment list from CDCR
- Load factors adjusted based on ARB off-road diesel regulation
- Trips and VMT - Based on data from other CDCR projects
- Grading - Data from CDCR
- Vehicle Trips - Based on trip generation data
- Water And Wastewater - Utility Data
- Solid Waste - Utility Section

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					
2014	21.35	152.25	130.73	0.26	63.94	6.86	70.80	6.80	6.78	13.58	0.00	27,160.18	0.00	2.00	0.00	27,202.24
2015	14.23	76.37	109.94	0.22	14.63	4.06	18.69	0.20	4.01	4.21	0.00	20,776.40	0.00	1.44	0.00	20,806.58
2016	58.54	66.86	100.67	0.20	13.59	4.44	18.02	0.19	4.39	4.58	0.00	18,670.46	0.00	1.35	0.00	18,698.76
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					
2014	16.50	93.63	142.84	0.26	31.74	5.85	37.59	2.63	5.78	8.41	0.00	27,160.18	0.00	2.00	0.00	27,202.24
2015	15.60	57.38	114.96	0.22	8.16	4.09	12.25	0.20	4.04	4.24	0.00	20,776.40	0.00	1.44	0.00	20,806.58
2016	59.85	51.50	103.65	0.20	7.57	4.20	11.78	0.19	4.16	4.35	0.00	18,670.46	0.00	1.35	0.00	18,698.76
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	7.16	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Energy	0.84	7.65	6.42	0.05		0.00	0.58		0.00	0.58		9,176.90		0.18	0.17	9,232.75
Mobile	3.51	13.03	35.59	0.07	7.13	0.52	7.65	1.06	0.49	1.55		6,345.74		0.26		6,351.21
Total	11.51	20.68	42.01	0.12	7.13	0.52	8.23	1.06	0.49	2.13		15,522.64		0.44	0.17	15,583.96

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	7.16	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Energy	0.84	7.65	6.42	0.05		0.00	0.58		0.00	0.58		9,176.90		0.18	0.17	9,232.75
Mobile	3.51	13.03	35.59	0.07	7.13	0.52	7.65	1.06	0.49	1.55		6,345.74		0.26		6,351.21
Total	11.51	20.68	42.01	0.12	7.13	0.52	8.23	1.06	0.49	2.13		15,522.64		0.44	0.17	15,583.96

3.0 Construction Detail

3.1 Mitigation Measures Construction

- Use Cleaner Engines for Construction Equipment
- Use DPF for Construction Equipment
- Use Soil Stabilizer
- Replace Ground Cover
- Water Exposed Area
- Clean Paved Roads

3.2 Demolition and Site Preparation - 2014

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					1.24	0.00	1.24	0.00	0.00	0.00						0.00
Off-Road	7.00	56.70	31.86	0.07		2.65	2.65		2.65	2.65		7,066.00		0.62		7,079.11
Total	7.00	56.70	31.86	0.07	1.24	2.65	3.89	0.00	2.65	2.65		7,066.00		0.62		7,079.11

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	0.60	6.18	2.91	0.01	11.67	0.24	11.91	0.01	0.22	0.23		979.20		0.03		979.80
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	1.25	1.69	17.78	0.03	3.80	0.14	3.93	0.05	0.13	0.18		2,938.65		0.16		2,942.10
Total	1.85	7.87	20.69	0.04	15.47	0.38	15.84	0.06	0.35	0.41		3,917.85		0.19		3,921.90

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	lb/day										lb/day					
Fugitive Dust					0.46	0.00	0.46	0.00	0.00	0.00						0.00
Off-Road	4.97	32.33	37.86	0.07		2.22	2.22		2.22	2.22	0.00	7,066.00		0.62		7,079.11
Total	4.97	32.33	37.86	0.07	0.46	2.22	2.68	0.00	2.22	2.22	0.00	7,066.00		0.62		7,079.11

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	0.60	6.18	2.91	0.01	6.31	0.24	6.56	0.01	0.22	0.23		979.20		0.03		979.80
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	1.25	1.69	17.78	0.03	2.12	0.14	2.25	0.05	0.13	0.18		2,938.65		0.16		2,942.10
Total	1.85	7.87	20.69	0.04	8.43	0.38	8.81	0.06	0.35	0.41		3,917.85		0.19		3,921.90

3.3 Grading - 2014

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					16.55	0.00	16.55	6.62	0.00	6.62							0.00
Off-Road	9.28	76.23	39.82	0.08		3.24	3.24		3.24	3.24		9,176.32		0.83			9,193.75
Total	9.28	76.23	39.82	0.08	16.55	3.24	19.79	6.62	3.24	9.86		9,176.32		0.83			9,193.75

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	0.80	8.18	3.84	0.01	23.31	0.32	23.63	0.01	0.29	0.31		1,295.56		0.04			1,296.35
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	2.42	3.28	34.52	0.06	7.37	0.26	7.63	0.10	0.24	0.34		5,704.44		0.32			5,711.13
Total	3.22	11.46	38.36	0.07	30.68	0.58	31.26	0.11	0.53	0.65		7,000.00		0.36			7,007.48

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	lb/day										lb/day						
Fugitive Dust					6.13	0.00	6.13	2.45	0.00	2.45							0.00
Off-Road	6.46	41.98	45.92	0.08		2.67	2.67		2.67	2.67	0.00	9,176.32		0.83			9,193.75
Total	6.46	41.98	45.92	0.08	6.13	2.67	8.80	2.45	2.67	5.12	0.00	9,176.32		0.83			9,193.75

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	0.80	8.18	3.84	0.01	12.61	0.32	12.93	0.01	0.29	0.31		1,295.56		0.04			1,296.35
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	2.42	3.28	34.52	0.06	4.11	0.26	4.37	0.10	0.24	0.34		5,704.44		0.32			5,711.13
Total	3.22	11.46	38.36	0.07	16.72	0.58	17.30	0.11	0.53	0.65		7,000.00		0.36			7,007.48

3.4 Utilities - 2014

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	3.23	25.68	15.58	0.03		1.17	1.17		1.17	1.17		3,068.15		0.29		3,074.21
Total	3.23	25.68	15.58	0.03		1.17	1.17		1.17	1.17		3,068.15		0.29		3,074.21

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	0.27	2.98	1.59	0.00	0.17	0.10	0.27	0.00	0.09	0.10		508.87		0.01		509.14
Worker	0.29	0.39	4.09	0.01	0.87	0.03	0.90	0.01	0.03	0.04		675.73		0.04		676.52
Total	0.56	3.37	5.68	0.01	1.04	0.13	1.17	0.01	0.12	0.14		1,184.60		0.05		1,185.66

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	2.16	14.04	16.51	0.03		0.97	0.97		0.97	0.97	0.00	3,068.15		0.29		3,074.21
Total	2.16	14.04	16.51	0.03		0.97	0.97		0.97	0.97	0.00	3,068.15		0.29		3,074.21

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	0.27	2.98	1.59	0.00	0.10	0.10	0.20	0.00	0.09	0.10		508.87		0.01		509.14
Worker	0.29	0.39	4.09	0.01	0.49	0.03	0.52	0.01	0.03	0.04		675.73		0.04		676.52
Total	0.56	3.37	5.68	0.01	0.59	0.13	0.72	0.01	0.12	0.14		1,184.60		0.05		1,185.66

3.4 Utilities - 2015

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	3.05	23.49	15.10	0.03		1.06	1.06		1.06	1.06		3,068.15		0.27		3,073.89
Total	3.05	23.49	15.10	0.03		1.06	1.06		1.06	1.06		3,068.15		0.27		3,073.89

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	0.25	2.74	1.46	0.00	0.17	0.09	0.26	0.00	0.08	0.09		508.61		0.01		508.86
Worker	0.26	0.35	3.66	0.01	0.87	0.03	0.90	0.01	0.03	0.04		658.00		0.03		658.72
Total	0.51	3.09	5.12	0.01	1.04	0.12	1.16	0.01	0.11	0.13		1,166.61		0.04		1,167.58

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	2.16	14.04	16.51	0.03		0.97	0.97		0.97	0.97	0.00	3,068.15		0.27		3,073.89
Total	2.16	14.04	16.51	0.03		0.97	0.97		0.97	0.97	0.00	3,068.15		0.27		3,073.89

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	0.25	2.74	1.46	0.00	0.10	0.09	0.19	0.00	0.08	0.09		508.61		0.01		508.86
Worker	0.26	0.35	3.66	0.01	0.49	0.03	0.52	0.01	0.03	0.04		658.00		0.03		658.72
Total	0.51	3.09	5.12	0.01	0.59	0.12	0.71	0.01	0.11	0.13		1,166.61		0.04		1,167.58

3.5 Building Construction - 2014

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	7.04	45.79	32.40	0.06		2.58	2.58		2.58	2.58		5,918.17		0.63		5,931.35
Total	7.04	45.79	32.40	0.06		2.58	2.58		2.58	2.58		5,918.17		0.63		5,931.35

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	0.27	2.98	1.59	0.00	0.17	0.10	0.27	0.00	0.09	0.10		508.87		0.01		509.14
Worker	4.41	5.97	62.86	0.11	13.42	0.48	13.90	0.18	0.45	0.63		10,387.43		0.58		10,399.60
Total	4.68	8.95	64.45	0.11	13.59	0.58	14.17	0.18	0.54	0.73		10,896.30		0.59		10,908.74

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	8.72	32.20	35.57	0.06		2.44	2.44		2.44	2.44	0.00	5,918.17		0.63		5,931.35
Total	8.72	32.20	35.57	0.06		2.44	2.44		2.44	2.44	0.00	5,918.17		0.63		5,931.35

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	0.27	2.98	1.59	0.00	0.10	0.10	0.20	0.00	0.09	0.10		508.87		0.01		509.14
Worker	4.41	5.97	62.86	0.11	7.48	0.48	7.96	0.18	0.45	0.63		10,387.43		0.58		10,399.60
Total	4.68	8.95	64.45	0.11	7.58	0.58	8.16	0.18	0.54	0.73		10,896.30		0.59		10,908.74

3.5 Building Construction - 2015

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	6.45	41.74	31.97	0.06		2.32	2.32		2.32	2.32		5,918.17		0.58		5,930.31
Total	6.45	41.74	31.97	0.06		2.32	2.32		2.32	2.32		5,918.17		0.58		5,930.31

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	0.25	2.74	1.46	0.00	0.17	0.09	0.26	0.00	0.08	0.09		508.61		0.01		508.86
Worker	3.97	5.31	56.28	0.11	13.42	0.48	13.90	0.18	0.44	0.62		10,114.86		0.53		10,125.95
Total	4.22	8.05	57.74	0.11	13.59	0.57	14.16	0.18	0.52	0.71		10,623.47		0.54		10,634.81

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	8.72	32.20	35.57	0.06		2.44	2.44		2.44	2.44	0.00	5,918.17		0.58		5,930.31
Total	8.72	32.20	35.57	0.06		2.44	2.44		2.44	2.44	0.00	5,918.17		0.58		5,930.31

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	0.25	2.74	1.46	0.00	0.10	0.09	0.19	0.00	0.08	0.09		508.61		0.01		508.86
Worker	3.97	5.31	56.28	0.11	7.48	0.48	7.96	0.18	0.44	0.62		10,114.86		0.53		10,125.95
Total	4.22	8.05	57.74	0.11	7.58	0.57	8.15	0.18	0.52	0.71		10,623.47		0.54		10,634.81

3.5 Building Construction - 2016

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	5.92	37.99	31.60	0.06		2.07	2.07		2.07	2.07		5,918.17		0.53		5,929.26
Total	5.92	37.99	31.60	0.06		2.07	2.07		2.07	2.07		5,918.17		0.53		5,929.26

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	0.23	2.54	1.35	0.00	0.17	0.08	0.25	0.00	0.07	0.08		508.47		0.01		508.70
Worker	3.67	4.82	52.01	0.11	13.42	0.49	13.91	0.18	0.46	0.64		9,983.48		0.50		9,993.91
Total	3.90	7.36	53.36	0.11	13.59	0.57	14.16	0.18	0.53	0.72		10,491.95		0.51		10,502.61

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					
Off-Road	8.72	32.20	35.57	0.06		2.44	2.44		2.44	2.44	0.00	5,918.17		0.53		5,929.26
Total	8.72	32.20	35.57	0.06		2.44	2.44		2.44	2.44	0.00	5,918.17		0.53		5,929.26

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	0.23	2.54	1.35	0.00	0.10	0.08	0.18	0.00	0.07	0.08		508.47		0.01		508.70
Worker	3.67	4.82	52.01	0.11	7.48	0.49	7.97	0.18	0.46	0.64		9,983.48		0.50		9,993.91
Total	3.90	7.36	53.36	0.11	7.58	0.57	8.15	0.18	0.53	0.72		10,491.95		0.51		10,502.61

3.6 Paving - 2016

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	3.11	19.14	13.82	0.02		1.60	1.60		1.60	1.60		1,979.14		0.28		1,985.01
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	3.11	19.14	13.82	0.02		1.60	1.60		1.60	1.60		1,979.14		0.28		1,985.01

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	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	0.00	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	0.00	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 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	1.74	10.45	12.89	0.02		1.04	1.04		1.04	1.04	0.00	1,979.14		0.28		1,985.01
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	1.74	10.45	12.89	0.02		1.04	1.04		1.04	1.04	0.00	1,979.14		0.28		1,985.01

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	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	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00

3.7 Architectural Coating - 2016

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	45.24					0.00	0.00		0.00	0.00						0.00
Off-Road	0.37	2.37	1.88	0.00		0.20	0.20		0.20	0.20		281.19		0.03		281.89
Total	45.61	2.37	1.88	0.00		0.20	0.20		0.20	0.20		281.19		0.03		281.89

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	0.00	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	0.00	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 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	45.24					0.00	0.00		0.00	0.00						0.00
Off-Road	0.25	1.48	1.83	0.00		0.15	0.15		0.15	0.15	0.00	281.19		0.03		281.89
Total	45.49	1.48	1.83	0.00		0.15	0.15		0.15	0.15	0.00	281.19		0.03		281.89

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	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00

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	3.51	13.03	35.59	0.07	7.13	0.52	7.65	1.06	0.49	1.55		6,345.74		0.26		6,351.21
Unmitigated	3.51	13.03	35.59	0.07	7.13	0.52	7.65	1.06	0.49	1.55		6,345.74		0.26		6,351.21
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
Hospital	397.20	624.17	624.17	1,580,697	1,580,697
Total	397.20	624.17	624.17	1,580,697	1,580,697

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
Hospital	14.70	6.60	6.60	64.90	16.10	19.00

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	0.84	7.65	6.42	0.05		0.00	0.58		0.00	0.58		9,176.90		0.18	0.17	9,232.75
NaturalGas Unmitigated	0.84	7.65	6.42	0.05		0.00	0.58		0.00	0.58		9,176.90		0.18	0.17	9,232.75
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					
Hospital	78003.7	0.84	7.65	6.42	0.05		0.00	0.58		0.00	0.58		9,176.90		0.18	0.17	9,232.75
Total		0.84	7.65	6.42	0.05		0.00	0.58		0.00	0.58		9,176.90		0.18	0.17	9,232.75

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					
Hospital	78.0037	0.84	7.65	6.42	0.05		0.00	0.58		0.00	0.58		9,176.90		0.18	0.17	9,232.75
Total		0.84	7.65	6.42	0.05		0.00	0.58		0.00	0.58		9,176.90		0.18	0.17	9,232.75

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	7.16	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Unmitigated	7.16	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	1.64					0.00	0.00		0.00	0.00						0.00
Consumer Products	5.52					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	7.16	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	1.64					0.00	0.00		0.00	0.00						0.00
Consumer Products	5.52					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	7.16	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

CDCR CMF SOL Single Facility
Yolo/Solano AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Hospital	257.92	1000sqft

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)		Utility Company	Pacific Gas & Electric Company
Climate Zone	4		2.2		
		Precipitation Freq (Days)			

1.3 User Entered Comments

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Project Characteristics -
 Land Use - Disturbance area - 51.83 acres
 Construction Phase - 26 months construction schedule
 Off-road Equipment - Equipment list from CDCR
 Load factors adjusted based on ARB off-road diesel regulation
 Off-road Equipment - Equipment information from client
 Off-road Equipment - Equipment list from CDCR
 Load factors adjusted based on ARB off-road diesel regulation
 Off-road Equipment - Equipment list from CDCR
 Load factors adjusted based on ARB off-road diesel regulation
 Off-road Equipment - ARB Off-Road Diesel Regulation
 Off-road Equipment - Equipment list from CDCR
 Load factors adjusted based on ARB off-road diesel regulation
 Trips and VMT - Based on data from other CDCR projects
 Grading - Data from CDCR
 Vehicle Trips - Based on trip generation data
 Water And Wastewater - Utility Data
 Solid Waste - Utility Section

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					
2014	21.42	153.20	125.97	0.25	63.94	6.87	70.80	6.80	6.79	13.59	0.00	26,035.73	0.00	1.96	0.00	26,076.93
2015	14.29	77.11	103.99	0.20	14.63	4.07	18.70	0.20	4.02	4.22	0.00	19,377.86	0.00	1.39	0.00	19,406.99
2016	58.56	67.47	94.95	0.19	13.59	4.44	18.03	0.19	4.40	4.58	0.00	17,382.02	0.00	1.30	0.00	17,409.34
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					
2014	16.57	94.58	138.08	0.25	31.74	5.86	37.59	2.63	5.78	8.41	0.00	26,035.73	0.00	1.96	0.00	26,076.93
2015	15.66	58.13	109.00	0.20	8.16	4.10	12.25	0.20	4.04	4.24	0.00	19,377.86	0.00	1.39	0.00	19,406.99
2016	59.88	52.11	97.94	0.19	7.57	4.20	11.78	0.19	4.16	4.35	0.00	17,382.02	0.00	1.30	0.00	17,409.34
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	7.16	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Energy	0.84	7.65	6.42	0.05		0.00	0.58		0.00	0.58		9,176.90		0.18	0.17	9,232.75
Mobile	3.52	13.45	35.68	0.06	7.13	0.52	7.65	1.06	0.49	1.55		5,860.51		0.26		5,865.91
Total	11.52	21.10	42.10	0.11	7.13	0.52	8.23	1.06	0.49	2.13		15,037.41		0.44	0.17	15,098.66

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	lb/day										lb/day					
Area	7.16	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Energy	0.84	7.65	6.42	0.05		0.00	0.58		0.00	0.58		9,176.90		0.18	0.17	9,232.75
Mobile	3.52	13.45	35.68	0.06	7.13	0.52	7.65	1.06	0.49	1.55		5,860.51		0.26		5,865.91
Total	11.52	21.10	42.10	0.11	7.13	0.52	8.23	1.06	0.49	2.13		15,037.41		0.44	0.17	15,098.66

3.0 Construction Detail

3.1 Mitigation Measures Construction

- Use Cleaner Engines for Construction Equipment
- Use DPF for Construction Equipment
- Use Soil Stabilizer
- Replace Ground Cover
- Water Exposed Area
- Clean Paved Roads

3.2 Demolition and Site Preparation - 2014

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					1.24	0.00	1.24	0.00	0.00	0.00						0.00
Off-Road	7.00	56.70	31.86	0.07		2.65	2.65		2.65	2.65		7,066.00		0.62		7,079.11
Total	7.00	56.70	31.86	0.07	1.24	2.65	3.89	0.00	2.65	2.65		7,066.00		0.62		7,079.11

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	0.82	6.32	3.28	0.01	11.67	0.24	11.91	0.01	0.22	0.24		972.90		0.03		973.53
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	1.26	1.90	15.87	0.03	3.80	0.14	3.93	0.05	0.13	0.18		2,561.32		0.15		2,564.45
Total	1.88	8.22	19.15	0.04	15.47	0.38	15.84	0.06	0.35	0.42		3,534.22		0.18		3,537.98

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					0.46	0.00	0.46	0.00	0.00	0.00						0.00
Off-Road	4.97	32.33	37.86	0.07		2.22	2.22		2.22	2.22	0.00	7,066.00		0.62		7,079.11
Total	4.97	32.33	37.86	0.07	0.46	2.22	2.68	0.00	2.22	2.22	0.00	7,066.00		0.62		7,079.11

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	0.62	6.32	3.28	0.01	6.31	0.24	6.56	0.01	0.22	0.24		972.90		0.03		973.53
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	1.26	1.90	15.87	0.03	2.12	0.14	2.25	0.05	0.13	0.18		2,561.32		0.15		2,564.45
Total	1.88	8.22	19.15	0.04	8.43	0.38	8.81	0.06	0.35	0.42		3,534.22		0.18		3,537.98

3.3 Grading - 2014

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					16.55	0.00	16.55	6.62	0.00	6.62						0.00
Off-Road	9.28	76.23	39.82	0.08		3.24	3.24		3.24	3.24			9,176.32	0.83		9,193.75
Total	9.28	76.23	39.82	0.08	16.55	3.24	19.79	6.62	3.24	9.86			9,176.32	0.83		9,193.75

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	0.82	8.37	4.34	0.01	23.31	0.32	23.63	0.01	0.30	0.31			1,287.23	0.04		1,288.05
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	2.44	3.68	30.80	0.05	7.37	0.26	7.63	0.10	0.24	0.34			4,971.97	0.29		4,978.05
Total	3.26	12.05	35.14	0.06	30.68	0.58	31.26	0.11	0.54	0.65			6,259.20	0.33		6,266.10

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					6.13	0.00	6.13	2.45	0.00	2.45						0.00
Off-Road	6.46	41.98	45.92	0.08		2.67	2.67		2.67	2.67	0.00		9,176.32	0.83		9,193.75
Total	6.46	41.98	45.92	0.08	6.13	2.67	8.80	2.45	2.67	5.12	0.00		9,176.32	0.83		9,193.75

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	0.82	8.37	4.34	0.01	12.61	0.32	12.93	0.01	0.30	0.31			1,287.23	0.04		1,288.05
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	2.44	3.68	30.80	0.05	4.11	0.26	4.37	0.10	0.24	0.34			4,971.97	0.29		4,978.05
Total	3.26	12.05	35.14	0.06	16.72	0.58	17.30	0.11	0.54	0.65			6,259.20	0.33		6,266.10

3.4 Utilities - 2014

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	3.23	25.68	15.58	0.03		1.17	1.17		1.17	1.17		3,068.15		0.29		3,074.21
Total	3.23	25.68	15.58	0.03		1.17	1.17		1.17	1.17		3,068.15		0.29		3,074.21

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	0.29	3.01	1.96	0.00	0.17	0.10	0.27	0.00	0.09	0.10		503.46		0.01		503.75
Worker	0.29	0.44	3.65	0.01	0.87	0.03	0.90	0.01	0.03	0.04		588.97		0.03		589.69
Total	0.58	3.45	5.61	0.01	1.04	0.13	1.17	0.01	0.12	0.14		1,092.43		0.04		1,093.44

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	2.16	14.04	16.51	0.03		0.97	0.97		0.97	0.97	0.00	3,068.15		0.29		3,074.21
Total	2.16	14.04	16.51	0.03		0.97	0.97		0.97	0.97	0.00	3,068.15		0.29		3,074.21

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	0.29	3.01	1.96	0.00	0.10	0.10	0.20	0.00	0.09	0.10		503.46		0.01		503.75
Worker	0.29	0.44	3.65	0.01	0.49	0.03	0.52	0.01	0.03	0.04		588.97		0.03		589.69
Total	0.58	3.45	5.61	0.01	0.59	0.13	0.72	0.01	0.12	0.14		1,092.43		0.04		1,093.44

3.4 Utilities - 2015

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	3.05	23.49	15.10	0.03		1.06	1.06		1.06	1.06		3,068.15		0.27		3,073.89
Total	3.05	23.49	15.10	0.03		1.06	1.06		1.06	1.06		3,068.15		0.27		3,073.89

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	0.27	2.77	1.83	0.00	0.17	0.09	0.26	0.00	0.08	0.09		503.16		0.01		503.43
Worker	0.26	0.39	3.25	0.01	0.87	0.03	0.90	0.01	0.03	0.04		573.24		0.03		573.90
Total	0.53	3.16	5.08	0.01	1.04	0.12	1.16	0.01	0.11	0.13		1,076.40		0.04		1,077.33

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	2.16	14.04	16.51	0.03		0.97	0.97		0.97	0.97	0.00	3,068.15		0.27		3,073.89
Total	2.16	14.04	16.51	0.03		0.97	0.97		0.97	0.97	0.00	3,068.15		0.27		3,073.89

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	0.27	2.77	1.83	0.00	0.10	0.09	0.19	0.00	0.08	0.09		503.16		0.01		503.43
Worker	0.26	0.39	3.25	0.01	0.49	0.03	0.52	0.01	0.03	0.04		573.24		0.03		573.90
Total	0.53	3.16	5.08	0.01	0.59	0.12	0.71	0.01	0.11	0.13		1,076.40		0.04		1,077.33

3.5 Building Construction - 2014

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	7.04	45.79	32.40	0.06		2.58	2.58		2.58	2.58		5,918.17		0.63		5,931.35
Total	7.04	45.79	32.40	0.06		2.58	2.58		2.58	2.58		5,918.17		0.63		5,931.35

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	0.29	3.01	1.96	0.00	0.17	0.10	0.27	0.00	0.09	0.10		503.46		0.01		503.75
Worker	4.44	6.71	56.09	0.09	13.42	0.48	13.90	0.18	0.45	0.63		9,053.63		0.53		9,064.71
Total	4.73	9.72	58.05	0.09	13.59	0.58	14.17	0.18	0.54	0.73		9,557.09		0.54		9,568.46

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	8.72	32.20	35.57	0.06		2.44	2.44		2.44	2.44	0.00	5,918.17		0.63		5,931.35
Total	8.72	32.20	35.57	0.06		2.44	2.44		2.44	2.44	0.00	5,918.17		0.63		5,931.35

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	0.29	3.01	1.96	0.00	0.10	0.10	0.20	0.00	0.09	0.10		503.46		0.01		503.75
Worker	4.44	6.71	56.09	0.09	7.48	0.48	7.96	0.18	0.45	0.63		9,053.63		0.53		9,064.71
Total	4.73	9.72	58.05	0.09	7.58	0.58	8.16	0.18	0.54	0.73		9,557.09		0.54		9,568.46

3.5 Building Construction - 2015

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	6.45	41.74	31.97	0.06		2.32	2.32		2.32	2.32		5,918.17		0.58		5,930.31
Total	6.45	41.74	31.97	0.06		2.32	2.32		2.32	2.32		5,918.17		0.58		5,930.31

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	0.27	2.77	1.83	0.00	0.17	0.09	0.26	0.00	0.08	0.09		503.16		0.01		503.43
Worker	3.99	5.97	50.01	0.09	13.42	0.48	13.90	0.18	0.44	0.62		8,811.97		0.48		8,822.03
Total	4.26	8.74	51.84	0.09	13.59	0.57	14.16	0.18	0.52	0.71		9,315.13		0.49		9,325.46

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	8.72	32.20	35.57	0.06		2.44	2.44		2.44	2.44	0.00	5,918.17		0.58		5,930.31
Total	8.72	32.20	35.57	0.06		2.44	2.44		2.44	2.44	0.00	5,918.17		0.58		5,930.31

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	0.27	2.77	1.83	0.00	0.10	0.09	0.19	0.00	0.08	0.09		503.16		0.01		503.43
Worker	3.99	5.97	50.01	0.09	7.48	0.48	7.96	0.18	0.44	0.62		8,811.97		0.48		8,822.03
Total	4.26	8.74	51.84	0.09	7.58	0.57	8.15	0.18	0.52	0.71		9,315.13		0.49		9,325.46

3.5 Building Construction - 2016

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	5.92	37.99	31.60	0.06		2.07	2.07		2.07	2.07		5,918.17		0.53		5,929.26
Total	5.92	37.99	31.60	0.06		2.07	2.07		2.07	2.07		5,918.17		0.53		5,929.26

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	0.24	2.56	1.70	0.00	0.17	0.08	0.25	0.00	0.08	0.08		502.99		0.01		503.23
Worker	3.68	5.41	45.94	0.10	13.42	0.49	13.91	0.18	0.46	0.64		8,700.53		0.45		8,709.95
Total	3.92	7.97	47.64	0.10	13.59	0.57	14.16	0.18	0.54	0.72		9,203.52		0.46		9,213.18

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	8.72	32.20	35.57	0.06		2.44	2.44		2.44	2.44	0.00	5,918.17		0.53		5,929.26
Total	8.72	32.20	35.57	0.06		2.44	2.44		2.44	2.44	0.00	5,918.17		0.53		5,929.26

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	0.24	2.56	1.70	0.00	0.10	0.08	0.18	0.00	0.08	0.08		502.99		0.01		503.23
Worker	3.68	5.41	45.94	0.10	7.48	0.49	7.97	0.18	0.46	0.64		8,700.53		0.45		8,709.95
Total	3.92	7.97	47.64	0.10	7.58	0.57	8.15	0.18	0.54	0.72		9,203.52		0.46		9,213.18

3.6 Paving - 2016

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	3.11	19.14	13.82	0.02		1.60	1.60		1.60	1.60		1,979.14		0.28		1,985.01
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	3.11	19.14	13.82	0.02		1.60	1.60		1.60	1.60		1,979.14		0.28		1,985.01

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	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	0.00	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	0.00	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 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	1.74	10.45	12.89	0.02		1.04	1.04		1.04	1.04	0.00	1,979.14		0.28		1,985.01
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	1.74	10.45	12.89	0.02		1.04	1.04		1.04	1.04	0.00	1,979.14		0.28		1,985.01

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	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	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00

3.7 Architectural Coating - 2016

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	45.24					0.00	0.00		0.00	0.00						0.00
Off-Road	0.37	2.37	1.88	0.00		0.20	0.20		0.20	0.20		281.19		0.03		281.89
Total	45.61	2.37	1.88	0.00		0.20	0.20		0.20	0.20		281.19		0.03		281.89

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	0.00	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	0.00	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 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	45.24					0.00	0.00		0.00	0.00						0.00
Off-Road	0.25	1.48	1.83	0.00		0.15	0.15		0.15	0.15	0.00	281.19		0.03		281.89
Total	45.49	1.48	1.83	0.00		0.15	0.15		0.15	0.15	0.00	281.19		0.03		281.89

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	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00

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	3.52	13.45	35.68	0.06	7.13	0.52	7.65	1.06	0.49	1.55		5,860.51		0.26		5,865.91
Unmitigated	3.52	13.45	35.68	0.06	7.13	0.52	7.65	1.06	0.49	1.55		5,860.51		0.26		5,865.91
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
Hospital	397.20	624.17	624.17	1,580,697	1,580,697
Total	397.20	624.17	624.17	1,580,697	1,580,697

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
Hospital	14.70	6.60	6.60	64.90	16.10	19.00

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	0.84	7.65	6.42	0.05		0.00	0.58		0.00	0.58		9,176.90		0.18	0.17	9,232.75
NaturalGas Unmitigated	0.84	7.65	6.42	0.05		0.00	0.58		0.00	0.58		9,176.90		0.18	0.17	9,232.75
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					
Hospital	78003.7	0.84	7.65	6.42	0.05		0.00	0.58		0.00	0.58		9,176.90		0.18	0.17	9,232.75
Total		0.84	7.65	6.42	0.05		0.00	0.58		0.00	0.58		9,176.90		0.18	0.17	9,232.75

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					
Hospital	78.0037	0.84	7.65	6.42	0.05		0.00	0.58		0.00	0.58		9,176.90		0.18	0.17	9,232.75
Total		0.84	7.65	6.42	0.05		0.00	0.58		0.00	0.58		9,176.90		0.18	0.17	9,232.75

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	7.16	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Unmitigated	7.16	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	1.64					0.00	0.00		0.00	0.00						0.00
Consumer Products	5.52					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	7.16	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	1.64					0.00	0.00		0.00	0.00						0.00
Consumer Products	5.52					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	7.16	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

CDCR CMF SOL Single Facility
Yolo/Solano AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Hospital	257.92	1000sqft

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)		Utility Company	Pacific Gas & Electric Company
Climate Zone	4		2.2		
		Precipitation Freq (Days)			

1.3 User Entered Comments

55

Project Characteristics -
 Land Use - Disturbance area - 51.83 acres
 Construction Phase - 26 months construction schedule
 Off-road Equipment - Equipment list from CDCR
 Load factors adjusted based on ARB off-road diesel regulation
 Off-road Equipment - Equipment information from client
 Off-road Equipment - Equipment list from CDCR
 Load factors adjusted based on ARB off-road diesel regulation
 Off-road Equipment - Equipment list from CDCR
 Load factors adjusted based on ARB off-road diesel regulation
 Off-road Equipment - ARB Off-Road Diesel Regulation
 Off-road Equipment - Equipment list from CDCR
 Load factors adjusted based on ARB off-road diesel regulation
 Trips and VMT - Based on data from other CDCR projects
 Grading - Data from CDCR
 Vehicle Trips - Based on trip generation data
 Water And Wastewater - Utility Data
 Solid Waste - Utility Section

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

Year	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
2014	1.17	7.64	7.67	0.01	2.07	0.36	2.44	0.25	0.36	0.61	0.00	1,349.72	1,349.72	0.10	0.00	1,351.87
2015	1.47	7.38	11.62	0.02	1.49	0.41	1.91	0.02	0.41	0.43	0.00	1,963.91	1,963.91	0.14	0.00	1,966.78
2016	4.05	5.38	7.96	0.02	0.98	0.35	1.32	0.02	0.34	0.36	0.00	1,354.70	1,354.70	0.10	0.00	1,356.75
Total	6.69	20.40	27.25	0.05	4.54	1.12	5.67	0.29	1.11	1.40	0.00	4,668.33	4,668.33	0.34	0.00	4,675.40

Mitigated Construction

Year	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
2014	1.03	4.92	8.16	0.01	1.04	0.32	1.36	0.10	0.32	0.42	0.00	1,349.72	1,349.72	0.10	0.00	1,351.87
2015	1.74	5.83	12.13	0.02	0.84	0.43	1.26	0.02	0.42	0.45	0.00	1,963.91	1,963.91	0.14	0.00	1,966.78
2016	4.19	4.25	8.25	0.02	0.55	0.34	0.89	0.02	0.34	0.35	0.00	1,354.70	1,354.70	0.10	0.00	1,356.75
Total	6.96	15.00	28.54	0.05	2.43	1.09	3.51	0.14	1.08	1.22	0.00	4,668.33	4,668.33	0.34	0.00	4,675.40

2.2 Overall Operational

Unmitigated Operational

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
	tons/yr										MT/yr					
Area	1.31	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	0.15	1.40	1.17	0.01		0.00	0.11		0.00	0.11	0.00	3,097.99	3,097.99	0.10	0.05	3,117.12
Mobile	0.45	1.76	4.67	0.01	1.07	0.09	1.17	0.14	0.07	0.20	0.00	727.91	727.91	0.03	0.00	728.55
Waste						0.00	0.00		0.00	0.00	105.58	0.00	105.58	6.24	0.00	236.61
Water						0.00	0.00		0.00	0.00	0.00	68.74	68.74	1.33	0.03	107.14
Total	1.91	3.16	5.84	0.02	1.07	0.09	1.28	0.14	0.07	0.31	105.58	3,894.64	4,000.22	7.70	0.08	4,189.42

Mitigated Operational

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
	tons/yr										MT/yr					
Area	1.31	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	0.15	1.40	1.17	0.01		0.00	0.11		0.00	0.11	0.00	3,097.99	3,097.99	0.10	0.05	3,117.12
Mobile	0.45	1.76	4.67	0.01	1.07	0.09	1.17	0.14	0.07	0.20	0.00	727.91	727.91	0.03	0.00	728.55
Waste						0.00	0.00		0.00	0.00	105.58	0.00	105.58	6.24	0.00	236.61
Water						0.00	0.00		0.00	0.00	0.00	68.74	68.74	1.33	0.03	107.14
Total	1.91	3.16	5.84	0.02	1.07	0.09	1.28	0.14	0.07	0.31	105.58	3,894.64	4,000.22	7.70	0.08	4,189.42

3.0 Construction Detail

3.1 Mitigation Measures Construction

- Use Cleaner Engines for Construction Equipment
- Use DPF for Construction Equipment
- Use Soil Stabilizer
- Replace Ground Cover
- Water Exposed Area
- Clean Paved Roads

3.2 Demolition and Site Preparation - 2014

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					0.03	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.15	1.22	0.68	0.00		0.06	0.06		0.06	0.06	0.00	137.78	137.78	0.01	0.00	138.04
Total	0.15	1.22	0.68	0.00	0.03	0.06	0.09	0.00	0.06	0.06	0.00	137.78	137.78	0.01	0.00	138.04

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	0.01	0.13	0.07	0.00	0.21	0.01	0.21	0.00	0.00	0.01	0.00	19.04	19.04	0.00	0.00	19.05
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	0.02	0.04	0.34	0.00	0.07	0.00	0.07	0.00	0.00	0.00	0.00	51.84	51.84	0.00	0.00	51.90
Total	0.03	0.17	0.41	0.00	0.28	0.01	0.28	0.00	0.00	0.01	0.00	70.88	70.88	0.00	0.00	70.95

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	0.11	0.69	0.81	0.00		0.05	0.05		0.05	0.05	0.00	137.78	137.78	0.01	0.00	138.04
Total	0.11	0.69	0.81	0.00	0.01	0.05	0.06	0.00	0.05	0.05	0.00	137.78	137.78	0.01	0.00	138.04

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	0.01	0.13	0.07	0.00	0.11	0.01	0.12	0.00	0.00	0.01	0.00	19.04	19.04	0.00	0.00	19.05
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	0.02	0.04	0.34	0.00	0.04	0.00	0.04	0.00	0.00	0.00	0.00	51.84	51.84	0.00	0.00	51.90
Total	0.03	0.17	0.41	0.00	0.15	0.01	0.16	0.00	0.00	0.01	0.00	70.88	70.88	0.00	0.00	70.95

3.3 Grading - 2014

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					0.54	0.00	0.54	0.23	0.00	0.23	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.30	2.48	1.29	0.00		0.11	0.11		0.11	0.11	0.00	270.48	270.48	0.02	0.00	270.99
Total	0.30	2.48	1.29	0.00	0.54	0.11	0.65	0.23	0.11	0.34	0.00	270.48	270.48	0.02	0.00	270.99

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	0.03	0.27	0.13	0.00	0.62	0.01	0.63	0.00	0.01	0.01	0.00	38.07	38.07	0.00	0.00	38.10
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	0.07	0.11	1.01	0.00	0.20	0.01	0.21	0.00	0.01	0.01	0.00	152.11	152.11	0.01	0.00	152.29
Total	0.10	0.38	1.14	0.00	0.82	0.02	0.84	0.00	0.02	0.02	0.00	190.18	190.18	0.01	0.00	190.39

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					0.20	0.00	0.20	0.09	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.21	1.36	1.49	0.00		0.09	0.09		0.09	0.09	0.00	270.48	270.48	0.02	0.00	270.99
Total	0.21	1.36	1.49	0.00	0.20	0.09	0.29	0.09	0.09	0.18	0.00	270.48	270.48	0.02	0.00	270.99

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	0.03	0.27	0.13	0.00	0.34	0.01	0.35	0.00	0.01	0.01	0.00	38.07	38.07	0.00	0.00	38.10
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	0.07	0.11	1.01	0.00	0.11	0.01	0.12	0.00	0.01	0.01	0.00	152.11	152.11	0.01	0.00	152.29
Total	0.10	0.38	1.14	0.00	0.45	0.02	0.47	0.00	0.02	0.02	0.00	190.18	190.18	0.01	0.00	190.39

3.4 Utilities - 2014

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	0.18	1.40	0.85	0.00		0.06	0.06		0.06	0.06	0.00	151.65	151.65	0.01	0.00	151.95
Total	0.18	1.40	0.85	0.00		0.06	0.06		0.06	0.06	0.00	151.65	151.65	0.01	0.00	151.95

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	0.02	0.16	0.10	0.00	0.01	0.01	0.01	0.00	0.01	0.01	0.00	25.03	25.03	0.00	0.00	25.04
Worker	0.01	0.02	0.20	0.00	0.04	0.00	0.04	0.00	0.00	0.00	0.00	30.22	30.22	0.00	0.00	30.25
Total	0.03	0.18	0.30	0.00	0.05	0.01	0.05	0.00	0.01	0.01	0.00	55.25	55.25	0.00	0.00	55.29

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	0.12	0.76	0.90	0.00		0.05	0.05		0.05	0.05	0.00	151.65	151.65	0.01	0.00	151.95
Total	0.12	0.76	0.90	0.00		0.05	0.05		0.05	0.05	0.00	151.65	151.65	0.01	0.00	151.95

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	0.02	0.16	0.10	0.00	0.00	0.01	0.01	0.00	0.01	0.01	0.00	25.03	25.03	0.00	0.00	25.04
Worker	0.01	0.02	0.20	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	30.22	30.22	0.00	0.00	30.25
Total	0.03	0.18	0.30	0.00	0.02	0.01	0.03	0.00	0.01	0.01	0.00	55.25	55.25	0.00	0.00	55.29

3.4 Utilities - 2015

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	0.10	0.75	0.48	0.00		0.03	0.03		0.03	0.03	0.00	89.04	89.04	0.01	0.00	89.21
Total	0.10	0.75	0.48	0.00		0.03	0.03		0.03	0.03	0.00	89.04	89.04	0.01	0.00	89.21

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	0.01	0.09	0.05	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	14.69	14.69	0.00	0.00	14.69
Worker	0.01	0.01	0.11	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	17.27	17.27	0.00	0.00	17.29
Total	0.02	0.10	0.16	0.00	0.02	0.00	0.03	0.00	0.00	0.00	0.00	31.96	31.96	0.00	0.00	31.98

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	0.07	0.45	0.53	0.00		0.03	0.03		0.03	0.03	0.00	89.04	89.04	0.01	0.00	89.21
Total	0.07	0.45	0.53	0.00		0.03	0.03		0.03	0.03	0.00	89.04	89.04	0.01	0.00	89.21

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	0.01	0.09	0.05	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	14.69	14.69	0.00	0.00	14.69
Worker	0.01	0.01	0.11	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	17.27	17.27	0.00	0.00	17.29
Total	0.02	0.10	0.16	0.00	0.01	0.00	0.02	0.00	0.00	0.00	0.00	31.96	31.96	0.00	0.00	31.98

3.5 Building Construction - 2014

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	0.23	1.51	1.07	0.00		0.09	0.09		0.09	0.09	0.00	177.12	177.12	0.02	0.00	177.52
Total	0.23	1.51	1.07	0.00		0.09	0.09		0.09	0.09	0.00	177.12	177.12	0.02	0.00	177.52

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	0.01	0.10	0.06	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	15.15	15.15	0.00	0.00	15.16
Worker	0.14	0.21	1.87	0.00	0.37	0.02	0.38	0.01	0.01	0.02	0.00	281.24	281.24	0.02	0.00	281.58
Total	0.15	0.31	1.93	0.00	0.37	0.02	0.39	0.01	0.01	0.02	0.00	296.39	296.39	0.02	0.00	296.74

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	1.06	1.17	0.00		0.08	0.08		0.08	0.08	0.00	177.12	177.12	0.02	0.00	177.52
Total	0.29	1.06	1.17	0.00		0.08	0.08		0.08	0.08	0.00	177.12	177.12	0.02	0.00	177.52

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	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	0.01	0.10	0.06	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	15.15	15.15	0.00	0.00	15.16
Worker	0.14	0.21	1.87	0.00	0.21	0.02	0.22	0.01	0.01	0.02	0.00	281.24	281.24	0.02	0.00	281.58
Total	0.15	0.31	1.93	0.00	0.21	0.02	0.23	0.01	0.01	0.02	0.00	296.39	296.39	0.02	0.00	296.74

3.5 Building Construction - 2015

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	0.84	5.45	4.17	0.01		0.30	0.30		0.30	0.30	0.00	700.45	700.45	0.07	0.00	701.88
Total	0.84	5.45	4.17	0.01		0.30	0.30		0.30	0.30	0.00	700.45	700.45	0.07	0.00	701.88

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	0.03	0.36	0.22	0.00	0.02	0.01	0.03	0.00	0.01	0.01	0.00	59.89	59.89	0.00	0.00	59.92
Worker	0.48	0.72	6.59	0.01	1.45	0.06	1.51	0.02	0.06	0.08	0.00	1,082.57	1,082.57	0.06	0.00	1,083.79
Total	0.51	1.08	6.81	0.01	1.47	0.07	1.54	0.02	0.07	0.09	0.00	1,142.46	1,142.46	0.06	0.00	1,143.71

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	1.14	4.20	4.64	0.01		0.32	0.32		0.32	0.32	0.00	700.45	700.45	0.07	0.00	701.88
Total	1.14	4.20	4.64	0.01		0.32	0.32		0.32	0.32	0.00	700.45	700.45	0.07	0.00	701.88

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	0.03	0.36	0.22	0.00	0.01	0.01	0.02	0.00	0.01	0.01	0.00	59.89	59.89	0.00	0.00	59.92
Worker	0.48	0.72	6.59	0.01	0.81	0.06	0.87	0.02	0.06	0.08	0.00	1,082.57	1,082.57	0.06	0.00	1,083.79
Total	0.51	1.08	6.81	0.01	0.82	0.07	0.89	0.02	0.07	0.09	0.00	1,142.46	1,142.46	0.06	0.00	1,143.71

3.5 Building Construction - 2016

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	0.51	3.30	2.75	0.01		0.18	0.18		0.18	0.18	0.00	466.96	466.96	0.04	0.00	467.84
Total	0.51	3.30	2.75	0.01		0.18	0.18		0.18	0.18	0.00	466.96	466.96	0.04	0.00	467.84

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	0.02	0.22	0.13	0.00	0.01	0.01	0.02	0.00	0.01	0.01	0.00	39.91	39.91	0.00	0.00	39.93
Worker	0.30	0.44	4.05	0.01	0.96	0.04	1.01	0.02	0.04	0.06	0.00	712.53	712.53	0.04	0.00	713.29
Total	0.32	0.66	4.18	0.01	0.97	0.05	1.03	0.02	0.05	0.07	0.00	752.44	752.44	0.04	0.00	753.22

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	0.76	2.80	3.09	0.01		0.21	0.21		0.21	0.21	0.00	466.96	466.96	0.04	0.00	467.84
Total	0.76	2.80	3.09	0.01		0.21	0.21		0.21	0.21	0.00	466.96	466.96	0.04	0.00	467.84

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	0.02	0.22	0.13	0.00	0.01	0.01	0.01	0.00	0.01	0.01	0.00	39.91	39.91	0.00	0.00	39.93
Worker	0.30	0.44	4.05	0.01	0.54	0.04	0.58	0.02	0.04	0.06	0.00	712.53	712.53	0.04	0.00	713.29
Total	0.32	0.66	4.18	0.01	0.55	0.05	0.59	0.02	0.05	0.07	0.00	752.44	752.44	0.04	0.00	753.22

3.6 Paving - 2016

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	0.21	1.26	0.91	0.00		0.11	0.11		0.11	0.11	0.00	118.47	118.47	0.02	0.00	118.82
Paving	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.21	1.26	0.91	0.00		0.11	0.11		0.11	0.11	0.00	118.47	118.47	0.02	0.00	118.82

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	0.00	0.00	0.00	0.00	0.00
Total	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

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	0.11	0.69	0.85	0.00		0.07	0.07		0.07	0.07	0.00	118.47	118.47	0.02	0.00	118.82
Paving	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.11	0.69	0.85	0.00		0.07	0.07		0.07	0.07	0.00	118.47	118.47	0.02	0.00	118.82

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	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.7 Architectural Coating - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.99					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.02	0.16	0.12	0.00		0.01	0.01		0.01	0.01	0.00	16.83	16.83	0.00	0.00	16.87
Total	3.01	0.16	0.12	0.00		0.01	0.01		0.01	0.01	0.00	16.83	16.83	0.00	0.00	16.87

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	0.00	0.00	0.00	0.00	0.00
Total	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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.99					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.02	0.10	0.12	0.00		0.01	0.01		0.01	0.01	0.00	16.83	16.83	0.00	0.00	16.87
Total	3.01	0.10	0.12	0.00		0.01	0.01		0.01	0.01	0.00	16.83	16.83	0.00	0.00	16.87

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	0.00	0.00	0.00	0.00	0.00
Total	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

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	0.45	1.76	4.67	0.01	1.07	0.09	1.17	0.14	0.07	0.20	0.00	727.91	727.91	0.03	0.00	728.55
Unmitigated	0.45	1.76	4.67	0.01	1.07	0.09	1.17	0.14	0.07	0.20	0.00	727.91	727.91	0.03	0.00	728.55
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
Hospital	397.20	624.17	624.17	1,580,697	1,580,697
Total	397.20	624.17	624.17	1,580,697	1,580,697

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
Hospital	14.70	6.60	6.60	64.90	16.10	19.00

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	1,578.65	1,578.65	0.07	0.03	1,588.54
Electricity						0.00	0.00		0.00	0.00	0.00	1,578.65	1,578.65	0.07	0.03	1,588.54
NaturalGas	0.15	1.40	1.17	0.01		0.00	0.11		0.00	0.11	0.00	1,519.34	1,519.34	0.03	0.03	1,528.59
NaturalGas	0.15	1.40	1.17	0.01		0.00	0.11		0.00	0.11	0.00	1,519.34	1,519.34	0.03	0.03	1,528.59
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					
Hospital	2.84713e+007	0.15	1.40	1.17	0.01		0.00	0.11		0.00	0.11	0.00	1,519.34	1,519.34	0.03	0.03	1,528.59
Total		0.15	1.40	1.17	0.01		0.00	0.11		0.00	0.11	0.00	1,519.34	1,519.34	0.03	0.03	1,528.59

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					
Hospital	2.84713e+007	0.15	1.40	1.17	0.01		0.00	0.11		0.00	0.11	0.00	1,519.34	1,519.34	0.03	0.03	1,528.59
Total		0.15	1.40	1.17	0.01		0.00	0.11		0.00	0.11	0.00	1,519.34	1,519.34	0.03	0.03	1,528.59

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			
Hospital	5.42655e+006					1,578.65	0.07	0.03	1,588.54
Total						1,578.65	0.07	0.03	1,588.54

Mitigated

	Electricity Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	kWh	tons/yr				MT/yr			
Hospital	5.42655e+006					1,578.65	0.07	0.03	1,588.54
Total						1,578.65	0.07	0.03	1,588.54

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	1.31	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	1.31	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	0.30					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	1.01					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	1.31	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	0.30					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	1.01					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	1.31	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					68.74	1.33	0.03	107.14
Unmitigated					68.74	1.33	0.03	107.14
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			
Hospital	43.362 / 0					68.74	1.33	0.03	107.14
Total						68.74	1.33	0.03	107.14

Mitigated

	Indoor/Outdoor Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr				MT/yr			
Hospital	43.362 / 0					68.74	1.33	0.03	107.14
Total						68.74	1.33	0.03	107.14

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					105.58	6.24	0.00	236.61
Unmitigated					105.58	6.24	0.00	236.61
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			
Hospital	520.125					105.58	6.24	0.00	236.61
Total						105.58	6.24	0.00	236.61

Mitigated

	Waste Disposed	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr				MT/yr			
Hospital	520.125					105.58	6.24	0.00	236.61
Total						105.58	6.24	0.00	236.61

9.0 Vegetation

Paving VOC Emissions

CMF SOL

51.83	acres
10.37	acres
2.62	lb VOC/acre
27.16	lb VOC
0.014	ton VOC

Area paved: 20%

Paving Emission Factor

Notes:

lb = pounds

VOC = Volatile organic compound

CDCR FSP SAC Single Facility
Sacramento County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Hospital	257.92	1000sqft

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	3.5	Utility Company	Sacramento Municipal Utility District
Climate Zone	6	Precipitation Freq (Days)	58		

1.3 User Entered Comments

- Project Characteristics -
- Land Use - Disturbance area - 52.83 acres
- Construction Phase - 26 months construction schedule
- Off-road Equipment - Equipment list from CDCR
- Load factors adjusted based on ARB off-road diesel regulation
- Off-road Equipment - Equipment information from client
- Off-road Equipment - Equipment list from CDCR
- Load factors adjusted based on ARB off-road diesel regulation
- Off-road Equipment - Equipment list from CDCR
- Load factors adjusted based on ARB off-road diesel regulation
- Off-road Equipment - ARB Off-Road Diesel Regulation
- Off-road Equipment - Equipment list from CDCR
- Load factors adjusted based on ARB off-road diesel regulation
- Trips and VMT - Based on data from other CDCR projects
- Grading - Data from CDCR
- Vehicle Trips - Based on trip generation data
- Architectural Coating - SMAQMD Rule 442 effective 1/1/2003 for non-flat coatings
- Area Coating - SMAQMD Rule 442
- Water And Wastewater - From utilities analysis
- Solid Waste - From utilities analysis

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					
2014	21.75	147.31	122.16	0.25	58.14	6.62	64.76	7.06	6.62	13.68	0.00	25,611.24	0.00	1.91	0.00	25,651.42
2015	15.23	76.09	102.16	0.21	13.27	3.90	17.17	0.52	3.90	4.42	0.00	19,843.62	0.00	1.34	0.00	19,871.81
2016	45.81	66.18	92.60	0.19	12.23	4.26	16.50	0.47	4.26	4.73	0.00	17,530.39	0.00	1.26	0.00	17,556.77
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					
2014	21.75	147.31	122.16	0.25	47.25	6.62	53.86	3.02	6.62	9.64	0.00	25,611.24	0.00	1.91	0.00	25,651.42
2015	15.23	76.09	102.16	0.21	13.27	3.90	17.17	0.52	3.90	4.42	0.00	19,843.62	0.00	1.34	0.00	19,871.81
2016	45.81	66.18	92.60	0.19	12.23	4.26	16.50	0.47	4.26	4.73	0.00	17,530.39	0.00	1.26	0.00	17,556.77
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	6.66	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Energy	0.52	4.70	3.95	0.03		0.00	0.36		0.00	0.36		5,637.16		0.11	0.10	5,671.47
Mobile	3.84	6.93	32.45	0.07	7.93	0.32	8.26	1.27	0.31	1.57		5,851.05		0.24		5,856.19
Total	11.02	11.63	36.40	0.10	7.93	0.32	8.62	1.27	0.31	1.93		11,488.21		0.35	0.10	11,527.66

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	lb/day										lb/day					
Area	6.66	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Energy	0.52	4.70	3.95	0.03		0.00	0.36		0.00	0.36		5,637.16		0.11	0.10	5,671.47
Mobile	3.84	6.93	32.45	0.07	7.93	0.32	8.26	1.27	0.31	1.57		5,851.05		0.24		5,856.19
Total	11.02	11.63	36.40	0.10	7.93	0.32	8.62	1.27	0.31	1.93		11,488.21		0.35	0.10	11,527.66

3.0 Construction Detail

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition and Site Preparation - 2014

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					1.30	0.00	1.30	0.00	0.00	0.00						0.00
Off-Road	7.21	57.28	32.36	0.07		2.79	2.79		2.79	2.79		7,077.71		0.64		7,091.22
Total	7.21	57.28	32.36	0.07	1.30	2.79	4.09	0.00	2.79	2.79		7,077.71		0.64		7,091.22

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	0.31	3.12	2.17	0.01	7.00	0.10	7.10	0.02	0.10	0.12		569.11		0.02		569.43
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	1.45	1.29	14.63	0.03	3.39	0.09	3.48	0.13	0.09	0.21		2,561.27		0.13		2,564.07
Total	1.76	4.41	16.80	0.04	10.39	0.19	10.58	0.15	0.19	0.33		3,130.38		0.15		3,133.50

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					0.51	0.00	0.51	0.00	0.00	0.00						0.00
Off-Road	7.21	57.28	32.36	0.07		2.79	2.79		2.79	2.79	0.00	7,077.71		0.64		7,091.22
Total	7.21	57.28	32.36	0.07	0.51	2.79	3.30	0.00	2.79	2.79	0.00	7,077.71		0.64		7,091.22

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	0.31	3.12	2.17	0.01	7.00	0.10	7.10	0.02	0.10	0.12		569.11		0.02		569.43
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	1.45	1.29	14.63	0.03	3.39	0.09	3.48	0.13	0.09	0.21		2,561.27		0.13		2,564.07
Total	1.76	4.41	16.80	0.04	10.39	0.19	10.58	0.15	0.19	0.33		3,130.38		0.15		3,133.50

3.3 Grading - 2014

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					16.56	0.00	16.56	6.63	0.00	6.63						0.00
Off-Road	9.28	76.23	39.82	0.08		3.24	3.24		3.24	3.24		9,176.32		0.83		9,193.75
Total	9.28	76.23	39.82	0.08	16.56	3.24	19.80	6.63	3.24	9.87		9,176.32		0.83		9,193.75

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	0.69	6.88	4.78	0.01	23.31	0.23	23.54	0.04	0.23	0.27		1,254.95		0.03		1,255.66
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	2.81	2.50	28.40	0.05	6.58	0.17	6.75	0.25	0.17	0.41		4,971.88		0.26		4,977.31
Total	3.50	9.38	33.18	0.06	29.89	0.40	30.29	0.29	0.40	0.68		6,226.83		0.29		6,232.97

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					6.46	0.00	6.46	2.58	0.00	2.58						0.00
Off-Road	9.28	76.23	39.82	0.08		3.24	3.24		3.24	3.24	0.00	9,176.32		0.83		9,193.75
Total	9.28	76.23	39.82	0.08	6.46	3.24	9.70	2.58	3.24	5.82	0.00	9,176.32		0.83		9,193.75

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	0.69	6.88	4.78	0.01	23.31	0.23	23.54	0.04	0.23	0.27		1,254.95		0.03		1,255.66
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	2.81	2.50	28.40	0.05	6.58	0.17	6.75	0.25	0.17	0.41		4,971.88		0.26		4,977.31
Total	3.50	9.38	33.18	0.06	29.89	0.40	30.29	0.29	0.40	0.68		6,226.83		0.29		6,232.97

3.4 Utilities - 2014

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	3.23	25.68	15.58	0.03		1.17	1.17		1.17	1.17		3,068.15		0.29		3,074.21
Total	3.23	25.68	15.58	0.03		1.17	1.17		1.17	1.17		3,068.15		0.29		3,074.21

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	0.37	3.58	2.80	0.01	0.25	0.11	0.36	0.02	0.11	0.13		721.25		0.02		721.61
Worker	0.33	0.30	3.36	0.01	0.78	0.02	0.80	0.03	0.02	0.05		588.96		0.03		589.60
Total	0.70	3.88	6.16	0.02	1.03	0.13	1.16	0.05	0.13	0.18		1,310.21		0.05		1,311.21

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	3.23	25.68	15.58	0.03		1.17	1.17		1.17	1.17	0.00	3,068.15		0.29		3,074.21
Total	3.23	25.68	15.58	0.03		1.17	1.17		1.17	1.17	0.00	3,068.15		0.29		3,074.21

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	0.37	3.58	2.80	0.01	0.25	0.11	0.36	0.02	0.11	0.13		721.25		0.02		721.61
Worker	0.33	0.30	3.36	0.01	0.78	0.02	0.80	0.03	0.02	0.05		588.96		0.03		589.60
Total	0.70	3.88	6.16	0.02	1.03	0.13	1.16	0.05	0.13	0.18		1,310.21		0.05		1,311.21

3.4 Utilities - 2015

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	3.05	23.49	15.10	0.03		1.06	1.06		1.06	1.06		3,068.15		0.27		3,073.89
Total	3.05	23.49	15.10	0.03		1.06	1.06		1.06	1.06		3,068.15		0.27		3,073.89

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	0.33	3.25	2.51	0.01	0.25	0.10	0.35	0.02	0.10	0.12		723.26		0.02		723.59
Worker	0.31	0.27	3.06	0.01	0.78	0.02	0.80	0.03	0.02	0.05		574.81		0.03		575.40
Total	0.64	3.52	5.57	0.02	1.03	0.12	1.15	0.05	0.12	0.17		1,298.07		0.05		1,298.99

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	3.05	23.49	15.10	0.03		1.06	1.06		1.06	1.06	0.00	3,068.15		0.27		3,073.89
Total	3.05	23.49	15.10	0.03		1.06	1.06		1.06	1.06	0.00	3,068.15		0.27		3,073.89

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	0.33	3.25	2.51	0.01	0.25	0.10	0.35	0.02	0.10	0.12		723.26		0.02		723.59
Worker	0.31	0.27	3.06	0.01	0.78	0.02	0.80	0.03	0.02	0.05		574.81		0.03		575.40
Total	0.64	3.52	5.57	0.02	1.03	0.12	1.15	0.05	0.12	0.17		1,298.07		0.05		1,298.99

3.5 Building Construction - 2014

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	7.04	45.79	32.40	0.06		2.58	2.58		2.58	2.58		5,918.17		0.63		5,931.35
Total	7.04	45.79	32.40	0.06		2.58	2.58		2.58	2.58		5,918.17		0.63		5,931.35

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	0.37	3.58	2.80	0.01	0.25	0.11	0.36	0.02	0.11	0.13		721.25		0.02		721.61
Worker	5.12	4.56	51.72	0.10	11.98	0.31	12.29	0.45	0.31	0.75		9,053.48		0.47		9,063.37
Total	5.49	8.14	54.52	0.11	12.23	0.42	12.65	0.47	0.42	0.88		9,774.73		0.49		9,784.98

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	7.04	45.79	32.40	0.06		2.58	2.58		2.58	2.58	0.00	5,918.17		0.63		5,931.35
Total	7.04	45.79	32.40	0.06		2.58	2.58		2.58	2.58	0.00	5,918.17		0.63		5,931.35

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	0.37	3.58	2.80	0.01	0.25	0.11	0.36	0.02	0.11	0.13		721.25		0.02		721.61
Worker	5.12	4.56	51.72	0.10	11.98	0.31	12.29	0.45	0.31	0.75		9,053.48		0.47		9,063.37
Total	5.49	8.14	54.52	0.11	12.23	0.42	12.65	0.47	0.42	0.88		9,774.73		0.49		9,784.98

3.5 Building Construction - 2015

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	6.45	41.74	31.97	0.06		2.32	2.32		2.32	2.32		5,918.17		0.58		5,930.31
Total	6.45	41.74	31.97	0.06		2.32	2.32		2.32	2.32		5,918.17		0.58		5,930.31

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	0.33	3.25	2.51	0.01	0.25	0.10	0.35	0.02	0.10	0.12		723.26		0.02		723.59
Worker	4.75	4.10	47.00	0.10	11.98	0.31	12.29	0.45	0.31	0.75		8,835.98		0.43		8,845.04
Total	5.08	7.35	49.51	0.11	12.23	0.41	12.64	0.47	0.41	0.87		9,559.24		0.45		9,568.63

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	6.45	41.74	31.97	0.06		2.32	2.32		2.32	2.32	0.00	5,918.17		0.58		5,930.31
Total	6.45	41.74	31.97	0.06		2.32	2.32		2.32	2.32	0.00	5,918.17		0.58		5,930.31

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	0.33	3.25	2.51	0.01	0.25	0.10	0.35	0.02	0.10	0.12		723.26		0.02		723.59
Worker	4.75	4.10	47.00	0.10	11.98	0.31	12.29	0.45	0.31	0.75		8,835.98		0.43		8,845.04
Total	5.08	7.35	49.51	0.11	12.23	0.41	12.64	0.47	0.41	0.87		9,559.24		0.45		9,568.63

3.5 Building Construction - 2016

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	5.92	37.99	31.60	0.06		2.07	2.07		2.07	2.07		5,918.17		0.53		5,929.26
Total	5.92	37.99	31.60	0.06		2.07	2.07		2.07	2.07		5,918.17		0.53		5,929.26

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	0.30	2.96	2.23	0.01	0.25	0.09	0.34	0.02	0.09	0.11		725.44		0.01		725.75
Worker	4.44	3.72	43.07	0.10	11.98	0.31	12.29	0.45	0.31	0.76		8,626.45		0.40		8,634.87
Total	4.74	6.68	45.30	0.11	12.23	0.40	12.63	0.47	0.40	0.87		9,351.89		0.41		9,360.62

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	5.92	37.99	31.60	0.06		2.07	2.07		2.07	2.07	0.00	5,918.17		0.53		5,929.26
Total	5.92	37.99	31.60	0.06		2.07	2.07		2.07	2.07	0.00	5,918.17		0.53		5,929.26

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	0.30	2.96	2.23	0.01	0.25	0.09	0.34	0.02	0.09	0.11		725.44		0.01		725.75
Worker	4.44	3.72	43.07	0.10	11.98	0.31	12.29	0.45	0.31	0.76		8,626.45		0.40		8,634.87
Total	4.74	6.68	45.30	0.11	12.23	0.40	12.63	0.47	0.40	0.87		9,351.89		0.41		9,360.62

3.6 Paving - 2016

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	3.11	19.14	13.82	0.02		1.60	1.60		1.60	1.60		1,979.14		0.28		1,985.01
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	3.11	19.14	13.82	0.02		1.60	1.60		1.60	1.60		1,979.14		0.28		1,985.01

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	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	0.00	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	0.00	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 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	3.11	19.14	13.82	0.02		1.60	1.60		1.60	1.60	0.00	1,979.14		0.28		1,985.01
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	3.11	19.14	13.82	0.02		1.60	1.60		1.60	1.60	0.00	1,979.14		0.28		1,985.01

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	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	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00

3.7 Architectural Coating - 2016

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	31.67					0.00	0.00		0.00	0.00						0.00
Off-Road	0.37	2.37	1.88	0.00		0.20	0.20		0.20	0.20		281.19		0.03		281.89
Total	32.04	2.37	1.88	0.00		0.20	0.20		0.20	0.20		281.19		0.03		281.89

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	0.00	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	0.00	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 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	31.67					0.00	0.00		0.00	0.00						0.00
Off-Road	0.37	2.37	1.88	0.00		0.20	0.20		0.20	0.20	0.00	281.19		0.03		281.89
Total	32.04	2.37	1.88	0.00		0.20	0.20		0.20	0.20	0.00	281.19		0.03		281.89

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	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00

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	3.84	6.93	32.45	0.07	7.93	0.32	8.26	1.27	0.31	1.57		5,851.05		0.24		5,856.19
Unmitigated	3.84	6.93	32.45	0.07	7.93	0.32	8.26	1.27	0.31	1.57		5,851.05		0.24		5,856.19
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
Hospital	397.20	624.17	624.17	1,674,078	1,674,078
Total	397.20	624.17	624.17	1,674,078	1,674,078

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
Hospital	15.00	10.00	10.00	64.90	16.10	19.00

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	0.52	4.70	3.95	0.03		0.00	0.36		0.00	0.36		5,637.16		0.11	0.10	5,671.47
NaturalGas Unmitigated	0.52	4.70	3.95	0.03		0.00	0.36		0.00	0.36		5,637.16		0.11	0.10	5,671.47
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					
Hospital	47915.8	0.52	4.70	3.95	0.03		0.00	0.36		0.00	0.36		5,637.16		0.11	0.10	5,671.47
Total		0.52	4.70	3.95	0.03		0.00	0.36		0.00	0.36		5,637.16		0.11	0.10	5,671.47

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					
Hospital	47.9158	0.52	4.70	3.95	0.03		0.00	0.36		0.00	0.36		5,637.16		0.11	0.10	5,671.47
Total		0.52	4.70	3.95	0.03		0.00	0.36		0.00	0.36		5,637.16		0.11	0.10	5,671.47

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	6.66	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Unmitigated	6.66	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	1.15					0.00	0.00		0.00	0.00						0.00
Consumer Products	5.52					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	6.67	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	1.15					0.00	0.00		0.00	0.00						0.00
Consumer Products	5.52					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	6.67	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

CDCR FSP SAC Single Facility
Sacramento County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Hospital	257.92	1000sqft

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)		Utility Company	Sacramento Municipal Utility District
Climate Zone	6		3.5		
		Precipitation Freq (Days)			
			58		

1.3 User Entered Comments

- Project Characteristics -
- Land Use - Disturbance area - 52.83 acres
- Construction Phase - 26 months construction schedule
- Off-road Equipment - Equipment list from CDCR
- Load factors adjusted based on ARB off-road diesel regulation
- Off-road Equipment - Equipment information from client
- Off-road Equipment - Equipment list from CDCR
- Load factors adjusted based on ARB off-road diesel regulation
- Off-road Equipment - Equipment list from CDCR
- Load factors adjusted based on ARB off-road diesel regulation
- Off-road Equipment - ARB Off-Road Diesel Regulation
- Off-road Equipment - Equipment list from CDCR
- Load factors adjusted based on ARB off-road diesel regulation
- Trips and VMT - Based on data from other CDCR projects
- Grading - Data from CDCR
- Vehicle Trips - Based on trip generation data
- Architectural Coating - SMAQMD Rule 442 effective 1/1/2003 for non-flat coatings
- Area Coating - SMAQMD Rule 442
- Water And Wastewater - From utilities analysis
- Solid Waste - From utilities analysis

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					
2014	21.91	147.87	117.30	0.24	58.14	6.62	64.76	7.06	6.62	13.68	0.00	24,578.18	0.00	1.88	0.00	24,617.66
2015	15.40	76.59	96.22	0.19	13.27	3.91	17.17	0.52	3.91	4.42	0.00	18,552.38	0.00	1.30	0.00	18,579.76
2016	45.93	66.55	87.05	0.17	12.23	4.26	16.50	0.47	4.26	4.73	0.00	16,347.79	0.00	1.22	0.00	16,373.35
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					
2014	21.91	147.87	117.30	0.24	47.25	6.62	53.87	3.02	6.62	9.64	0.00	24,578.18	0.00	1.88	0.00	24,617.66
2015	15.40	76.59	96.22	0.19	13.27	3.91	17.17	0.52	3.91	4.42	0.00	18,552.38	0.00	1.30	0.00	18,579.76
2016	45.93	66.55	87.05	0.17	12.23	4.26	16.50	0.47	4.26	4.73	0.00	16,347.79	0.00	1.22	0.00	16,373.35
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	6.66	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Energy	0.52	4.70	3.95	0.03		0.00	0.36		0.00	0.36		5,637.16		0.11	0.10	5,671.47
Mobile	3.87	7.28	30.54	0.06	7.93	0.33	8.26	1.27	0.31	1.57		5,285.56		0.21		5,289.95
Total	11.05	11.98	34.49	0.09	7.93	0.33	8.62	1.27	0.31	1.93		10,922.72		0.32	0.10	10,961.42

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	6.66	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Energy	0.52	4.70	3.95	0.03		0.00	0.36		0.00	0.36		5,637.16		0.11	0.10	5,671.47
Mobile	3.87	7.28	30.54	0.06	7.93	0.33	8.26	1.27	0.31	1.57		5,285.56		0.21		5,289.95
Total	11.05	11.98	34.49	0.09	7.93	0.33	8.62	1.27	0.31	1.93		10,922.72		0.32	0.10	10,961.42

3.0 Construction Detail

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition and Site Preparation - 2014

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					1.30	0.00	1.30	0.00	0.00	0.00						0.00
Off-Road	7.21	57.28	32.36	0.07		2.79	2.79		2.79	2.79		7,077.71		0.64		7,091.22
Total	7.21	57.28	32.36	0.07	1.30	2.79	4.09	0.00	2.79	2.79		7,077.71		0.64		7,091.22

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	0.33	3.19	2.43	0.01	7.00	0.10	7.10	0.02	0.10	0.12		566.79		0.02		567.13
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	1.48	1.40	12.69	0.02	3.39	0.09	3.48	0.13	0.09	0.21		2,212.56		0.12		2,215.09
Total	1.81	4.59	15.12	0.03	10.39	0.19	10.58	0.15	0.19	0.33		2,779.35		0.14		2,782.22

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					0.51	0.00	0.51	0.00	0.00	0.00						0.00
Off-Road	7.21	57.28	32.36	0.07		2.79	2.79		2.79	2.79	0.00	7,077.71		0.64		7,091.22
Total	7.21	57.28	32.36	0.07	0.51	2.79	3.30	0.00	2.79	2.79	0.00	7,077.71		0.64		7,091.22

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	0.33	3.19	2.43	0.01	7.00	0.10	7.10	0.02	0.10	0.12		566.79		0.02		567.13
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	1.48	1.40	12.69	0.02	3.39	0.09	3.48	0.13	0.09	0.21		2,212.56		0.12		2,215.09
Total	1.81	4.59	15.12	0.03	10.39	0.19	10.58	0.15	0.19	0.33		2,779.35		0.14		2,782.22

3.3 Grading - 2014

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					16.56	0.00	16.56	6.63	0.00	6.63						0.00
Off-Road	9.28	76.23	39.82	0.08		3.24	3.24		3.24	3.24		9,176.32		0.83		9,193.75
Total	9.28	76.23	39.82	0.08	16.56	3.24	19.80	6.63	3.24	9.87		9,176.32		0.83		9,193.75

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	0.74	7.04	5.37	0.01	23.31	0.23	23.54	0.04	0.23	0.27		1,249.83		0.04		1,250.60
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	2.87	2.72	24.64	0.05	6.58	0.17	6.75	0.25	0.17	0.41		4,294.97		0.23		4,299.88
Total	3.61	9.76	30.01	0.06	29.89	0.40	30.29	0.29	0.40	0.68		5,544.80		0.27		5,550.48

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	lb/day										lb/day					
Fugitive Dust					6.46	0.00	6.46	2.58	0.00	2.58						0.00
Off-Road	9.28	76.23	39.82	0.08		3.24	3.24		3.24	3.24	0.00	9,176.32		0.83		9,193.75
Total	9.28	76.23	39.82	0.08	6.46	3.24	9.70	2.58	3.24	5.82	0.00	9,176.32		0.83		9,193.75

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	0.74	7.04	5.37	0.01	23.31	0.23	23.54	0.04	0.23	0.27		1,249.83		0.04		1,250.60
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	2.87	2.72	24.64	0.05	6.58	0.17	6.75	0.25	0.17	0.41		4,294.97		0.23		4,299.88
Total	3.61	9.76	30.01	0.06	29.89	0.40	30.29	0.29	0.40	0.68		5,544.80		0.27		5,550.48

3.4 Utilities - 2014

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	3.23	25.68	15.58	0.03		1.17	1.17		1.17	1.17		3,068.15		0.29		3,074.21
Total	3.23	25.68	15.58	0.03		1.17	1.17		1.17	1.17		3,068.15		0.29		3,074.21

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	0.40	3.65	3.24	0.01	0.25	0.11	0.36	0.02	0.11	0.13		717.92		0.02		718.33
Worker	0.34	0.32	2.92	0.01	0.78	0.02	0.80	0.03	0.02	0.05		508.77		0.03		509.35
Total	0.74	3.97	6.16	0.02	1.03	0.13	1.16	0.05	0.13	0.18		1,226.69		0.05		1,227.68

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	3.23	25.68	15.58	0.03		1.17	1.17		1.17	1.17	0.00	3,068.15		0.29		3,074.21
Total	3.23	25.68	15.58	0.03		1.17	1.17		1.17	1.17	0.00	3,068.15		0.29		3,074.21

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	0.40	3.65	3.24	0.01	0.25	0.11	0.36	0.02	0.11	0.13		717.92		0.02		718.33
Worker	0.34	0.32	2.92	0.01	0.78	0.02	0.80	0.03	0.02	0.05		508.77		0.03		509.35
Total	0.74	3.97	6.16	0.02	1.03	0.13	1.16	0.05	0.13	0.18		1,226.69		0.05		1,227.68

3.4 Utilities - 2015

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	3.05	23.49	15.10	0.03		1.06	1.06		1.06	1.06		3,068.15		0.27		3,073.89
Total	3.05	23.49	15.10	0.03		1.06	1.06		1.06	1.06		3,068.15		0.27		3,073.89

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	0.37	3.31	2.94	0.01	0.25	0.10	0.35	0.02	0.10	0.12		719.78		0.02		720.15
Worker	0.32	0.29	2.64	0.01	0.78	0.02	0.80	0.03	0.02	0.05		496.36		0.03		496.90
Total	0.69	3.60	5.58	0.02	1.03	0.12	1.15	0.05	0.12	0.17		1,216.14		0.05		1,217.05

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	3.05	23.49	15.10	0.03		1.06	1.06		1.06	1.06	0.00	3,068.15		0.27		3,073.89
Total	3.05	23.49	15.10	0.03		1.06	1.06		1.06	1.06	0.00	3,068.15		0.27		3,073.89

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	0.37	3.31	2.94	0.01	0.25	0.10	0.35	0.02	0.10	0.12		719.78		0.02		720.15
Worker	0.32	0.29	2.64	0.01	0.78	0.02	0.80	0.03	0.02	0.05		496.36		0.03		496.90
Total	0.69	3.60	5.58	0.02	1.03	0.12	1.15	0.05	0.12	0.17		1,216.14		0.05		1,217.05

3.5 Building Construction - 2014

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	7.04	45.79	32.40	0.06		2.58	2.58		2.58	2.58		5,918.17		0.63		5,931.35
Total	7.04	45.79	32.40	0.06		2.58	2.58		2.58	2.58		5,918.17		0.63		5,931.35

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	0.40	3.65	3.24	0.01	0.25	0.11	0.36	0.02	0.11	0.13		717.92		0.02		718.33
Worker	5.23	4.96	44.86	0.08	11.98	0.31	12.29	0.45	0.31	0.75		7,820.86		0.43		7,829.81
Total	5.63	8.61	48.10	0.09	12.23	0.42	12.65	0.47	0.42	0.88		8,538.78		0.45		8,548.14

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	7.04	45.79	32.40	0.06		2.58	2.58		2.58	2.58	0.00	5,918.17		0.63		5,931.35
Total	7.04	45.79	32.40	0.06		2.58	2.58		2.58	2.58	0.00	5,918.17		0.63		5,931.35

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	0.40	3.65	3.24	0.01	0.25	0.11	0.36	0.02	0.11	0.13		717.92		0.02		718.33
Worker	5.23	4.96	44.86	0.08	11.98	0.31	12.29	0.45	0.31	0.75		7,820.86		0.43		7,829.81
Total	5.63	8.61	48.10	0.09	12.23	0.42	12.65	0.47	0.42	0.88		8,538.78		0.45		8,548.14

3.5 Building Construction - 2015

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	6.45	41.74	31.97	0.06		2.32	2.32		2.32	2.32		5,918.17		0.58		5,930.31
Total	6.45	41.74	31.97	0.06		2.32	2.32		2.32	2.32		5,918.17		0.58		5,930.31

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	0.37	3.31	2.94	0.01	0.25	0.10	0.35	0.02	0.10	0.12		719.78		0.02		720.15
Worker	4.85	4.46	40.62	0.08	11.98	0.31	12.29	0.45	0.31	0.75		7,630.14		0.39		7,638.37
Total	5.22	7.77	43.56	0.09	12.23	0.41	12.64	0.47	0.41	0.87		8,349.92		0.41		8,358.52

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	6.45	41.74	31.97	0.06		2.32	2.32		2.32	2.32	0.00	5,918.17		0.58		5,930.31
Total	6.45	41.74	31.97	0.06		2.32	2.32		2.32	2.32	0.00	5,918.17		0.58		5,930.31

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	0.37	3.31	2.94	0.01	0.25	0.10	0.35	0.02	0.10	0.12		719.78		0.02		720.15
Worker	4.85	4.46	40.62	0.08	11.98	0.31	12.29	0.45	0.31	0.75		7,630.14		0.39		7,638.37
Total	5.22	7.77	43.56	0.09	12.23	0.41	12.64	0.47	0.41	0.87		8,349.92		0.41		8,358.52

3.5 Building Construction - 2016

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	5.92	37.99	31.60	0.06		2.07	2.07		2.07	2.07		5,918.17		0.53		5,929.26
Total	5.92	37.99	31.60	0.06		2.07	2.07		2.07	2.07		5,918.17		0.53		5,929.26

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	0.33	3.01	2.66	0.01	0.25	0.09	0.34	0.02	0.09	0.11		721.78		0.02		722.12
Worker	4.54	4.04	37.08	0.08	11.98	0.31	12.29	0.45	0.31	0.76		7,447.51		0.36		7,455.08
Total	4.87	7.05	39.74	0.09	12.23	0.40	12.63	0.47	0.40	0.87		8,169.29		0.38		8,177.20

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	5.92	37.99	31.60	0.06		2.07	2.07		2.07	2.07	0.00	5,918.17		0.53		5,929.26
Total	5.92	37.99	31.60	0.06		2.07	2.07		2.07	2.07	0.00	5,918.17		0.53		5,929.26

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	0.33	3.01	2.66	0.01	0.25	0.09	0.34	0.02	0.09	0.11		721.78		0.02		722.12
Worker	4.54	4.04	37.08	0.08	11.98	0.31	12.29	0.45	0.31	0.76		7,447.51		0.36		7,455.08
Total	4.87	7.05	39.74	0.09	12.23	0.40	12.63	0.47	0.40	0.87		8,169.29		0.38		8,177.20

3.6 Paving - 2016

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	3.11	19.14	13.82	0.02		1.60	1.60		1.60	1.60		1,979.14		0.28		1,985.01
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	3.11	19.14	13.82	0.02		1.60	1.60		1.60	1.60		1,979.14		0.28		1,985.01

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	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	0.00	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	0.00	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 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	3.11	19.14	13.82	0.02		1.60	1.60		1.60	1.60	0.00	1,979.14		0.28		1,985.01
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	3.11	19.14	13.82	0.02		1.60	1.60		1.60	1.60	0.00	1,979.14		0.28		1,985.01

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	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	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00

3.7 Architectural Coating - 2016

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	31.67					0.00	0.00		0.00	0.00						0.00
Off-Road	0.37	2.37	1.88	0.00		0.20	0.20		0.20	0.20		281.19		0.03		281.89
Total	32.04	2.37	1.88	0.00		0.20	0.20		0.20	0.20		281.19		0.03		281.89

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	0.00	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	0.00	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 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	31.67					0.00	0.00		0.00	0.00						0.00
Off-Road	0.37	2.37	1.88	0.00		0.20	0.20		0.20	0.20	0.00	281.19		0.03		281.89
Total	32.04	2.37	1.88	0.00		0.20	0.20		0.20	0.20	0.00	281.19		0.03		281.89

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	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00

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	3.87	7.28	30.54	0.06	7.93	0.33	8.26	1.27	0.31	1.57		5,285.56		0.21		5,289.95
Unmitigated	3.87	7.28	30.54	0.06	7.93	0.33	8.26	1.27	0.31	1.57		5,285.56		0.21		5,289.95
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
Hospital	397.20	624.17	624.17	1,674,078	1,674,078
Total	397.20	624.17	624.17	1,674,078	1,674,078

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
Hospital	15.00	10.00	10.00	64.90	16.10	19.00

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	0.52	4.70	3.95	0.03		0.00	0.36		0.00	0.36		5,637.16		0.11	0.10	5,671.47
NaturalGas Unmitigated	0.52	4.70	3.95	0.03		0.00	0.36		0.00	0.36		5,637.16		0.11	0.10	5,671.47
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					
Hospital	47915.8	0.52	4.70	3.95	0.03		0.00	0.36		0.00	0.36		5,637.16		0.11	0.10	5,671.47
Total		0.52	4.70	3.95	0.03		0.00	0.36		0.00	0.36		5,637.16		0.11	0.10	5,671.47

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					
Hospital	47.9158	0.52	4.70	3.95	0.03		0.00	0.36		0.00	0.36		5,637.16		0.11	0.10	5,671.47
Total		0.52	4.70	3.95	0.03		0.00	0.36		0.00	0.36		5,637.16		0.11	0.10	5,671.47

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
Category	lb/day										lb/day					
Mitigated	6.66	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Unmitigated	6.66	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

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	1.15					0.00	0.00		0.00	0.00						0.00
Consumer Products	5.52					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	6.67	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00

Mitigated

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	1.15					0.00	0.00		0.00	0.00						0.00
Consumer Products	5.52					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	6.67	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

Paving VOC Emissions

FSP SAC

52.83	acres
10.57	acres
2.62	lb VOC/acre
27.68	lb VOC
0.21	lb VOC/day

Area paved: 20%

Paving Emission Factor

Notes:

lb = pounds

VOC = Volatile organic compound

TIPS FOR USE:

1. For both residential and non-residential acreage entries EXCLUDE ONLY undisturbed (not graded) Open Space.
2. Append this calculation sheet to the environmental document.
3. Unmitigated NOx (lbs/day) and duration (days) should be consistent with URBEMIS results.
4. Activity Phase/Time Slice identifiers include the date range from the URBEMIS results and phases included, i.e. fine grading, asphalt, etc.

Construction Emissions Mitigation Fee Calculation						
PART 1: PROJECT INFORMATION						
Project Name:	CDCR Level II Infill Correction Facilities at California State Prison Sacramento/Folsom State Prison					
Control/Application #:						
	Single Family Dwelling Units:		Note: Enter information only in blue bordered cells			
	Multi Family Dwelling Units:		Total Residential Acreage:			
	Non-residential Square Feet:	257,916	Total Non-residential Acreage:			52.83
PART 2: EMISSIONS INFORMATION						
Year	Activity Phase	NOx (lbs/day) unmitigated	NOx (lbs/day) mitigated*	NOx over threshold (lbs/day)	duration (days)	Total significant NOx (lbs)
	Demolition (on road)	14.35				
	Demolition (off road)	133.60	106.88			
	TOTAL Demolition	147.95	121.23	36.23	21	760.83
	Note: Calculation applies to grading		0.00	0	0	0.00
	Time Slice: <i>(enter identifiers)</i>		0.00	0	0	0.00
	Time Slice: <i>(enter identifiers)</i>		0.00	0	0	0.00
	Time Slice: <i>(enter identifiers)</i>		0.00	0	0	0.00
	Time Slice: <i>(enter identifiers)</i>		0.00	0	0	0.00
	Time Slice: <i>(enter identifiers)</i>		0.00	0	0	0.00
	Time Slice: <i>(enter identifiers)</i>		0.00	0	0	0.00
	Time Slice: <i>(enter identifiers)</i>		0.00	0	0	0.00
	Time Slice: <i>(enter identifiers)</i>		0.00	0	0	0.00
	Time Slice: <i>(enter identifiers)</i>		0.00	0	0	0.00
	Time Slice: <i>(enter identifiers)</i>		0.00	0	0	0.00
	Time Slice: <i>(enter identifiers)</i>		0.00	0	0	0.00
	Time Slice: <i>(enter identifiers)</i>		0.00	0	0	0.00
			0.00	0	0	0.00
	<i>Total project Nox over threshold (lbs)</i>		760.83			
	<i>Total project Nox over threshold (tons)</i>		0.38			
PART 3: MITIGATION FEE RESULTS						
MITIGATION FEE (\$17,080/TON)**		\$6,497				
ADMINISTRATIVE FEE (5.0%)		\$325				
TOTAL FEE		\$6,822				
>>> Fee is to be paid to the SMAQMD, either in total or on a by acre basis, prior to any ground disturbance.						
Mitigation Fee (\$/acre)			\$122.99			

* Assumes a construction mitigation plan which achieves a 20% reduction in NOx from on-site, off-road equipment.

** Or the \$/ton of NOx cost-effectiveness value in effect at the time the fee is collected.

**CDCR MCSP Single Facility
Amador County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Hospital	257.92	1000sqft

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	
Climate Zone	2	Precipitation Freq (Days)	2.2
			63

1.3 User Entered Comments

- Project Characteristics -
- Land Use - Disturbance area - 62.71 acres
- Construction Phase - 26 months construction schedule
- Off-road Equipment - Equipment list from CDCR
- Load factors adjusted based on ARB off-road diesel regulation
- Off-road Equipment - Equipment list from CDCR
- Load factors adjusted based on ARB off-road diesel regulation
- Off-road Equipment - Equipment list from CDCR
- Load factors adjusted based on ARB off-road diesel regulation
- Off-road Equipment - ARB Off-Road Diesel Regulation
- Off-road Equipment - Equipment list from CDCR
- Load factors adjusted based on ARB off-road diesel regulation
- Trips and VMT - Based on data from other CDCR projects
- Grading - Data from CDCR
- Vehicle Trips - Based on trip generation data
- Water And Wastewater - Utility Data
- Solid Waste - Utility Section

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					
2014	27.77	164.91	195.87	0.25	95.62	6.96	102.58	7.07	6.96	14.03	0.00	25,658.62	0.00	2.12	0.00	25,703.20
2015	20.65	79.36	153.58	0.20	14.63	3.82	18.45	0.56	3.82	4.38	0.00	19,340.92	0.00	1.58	0.00	19,374.18
2016	63.95	69.67	132.47	0.18	13.59	4.21	17.80	0.51	4.21	4.73	0.00	17,274.33	0.00	1.45	0.00	17,304.72
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					
2014	22.92	105.76	207.56	0.25	85.06	5.82	90.88	3.03	5.82	8.85	0.00	25,658.62	0.00	2.12	0.00	25,703.20
2015	22.03	60.38	158.59	0.20	14.63	3.85	18.48	0.56	3.85	4.41	0.00	19,340.92	0.00	1.58	0.00	19,374.18
2016	65.26	54.31	135.45	0.18	13.59	3.98	17.57	0.51	3.98	4.49	0.00	17,274.33	0.00	1.45	0.00	17,304.72
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	7.16	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Energy	0.65	5.87	4.93	0.04		0.00	0.45		0.00	0.45		7,043.75		0.14	0.13	7,086.61
Mobile	6.38	7.29	50.32	0.06	7.09	0.15	7.24	1.19	0.19	1.39		4,792.23		0.32		4,798.89
Total	14.19	13.16	55.25	0.10	7.09	0.15	7.69	1.19	0.19	1.84		11,835.98		0.46	0.13	11,885.50

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	7.16	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Energy	0.65	5.87	4.93	0.04		0.00	0.45		0.00	0.45		7,043.75		0.14	0.13	7,086.61
Mobile	6.38	7.29	50.32	0.06	7.09	0.15	7.24	1.19	0.19	1.39		4,792.23		0.32		4,798.89
Total	14.19	13.16	55.25	0.10	7.09	0.15	7.69	1.19	0.19	1.84		11,835.98		0.46	0.13	11,885.50

3.0 Construction Detail

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Water Exposed Area

3.2 Demolition and Site Preparation - 2014

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					0.75	0.00	0.75	0.00	0.00	0.00							0.00
Off-Road	7.21	57.28	32.36	0.07		2.79	2.79		2.79	2.79		7,077.71		0.64			7,091.22
Total	7.21	57.28	32.36	0.07	0.75	2.79	3.54	0.00	2.79	2.79		7,077.71		0.64			7,091.22

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	0.70	3.65	9.04	0.01	7.00	0.11	7.11	0.02	0.11	0.13		540.46		0.03		541.09
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	0.76	0.72	7.24	0.01	0.99	0.02	1.02	0.04	0.02	0.06		671.53		0.05		672.63
Total	1.46	4.37	16.28	0.02	7.99	0.13	8.13	0.06	0.13	0.19		1,211.99		0.08		1,213.72

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					0.29	0.00	0.29	0.00	0.00	0.00							0.00
Off-Road	4.98	32.38	37.94	0.07		2.22	2.22		2.22	2.22	0.00	7,077.71		0.64			7,091.22
Total	4.98	32.38	37.94	0.07	0.29	2.22	2.51	0.00	2.22	2.22	0.00	7,077.71		0.64			7,091.22

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	0.70	3.65	9.04	0.01	7.00	0.11	7.11	0.02	0.11	0.13		540.46		0.03		541.09
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	0.76	0.72	7.24	0.01	0.99	0.02	1.02	0.04	0.02	0.06		671.53		0.05		672.63
Total	1.46	4.37	16.28	0.02	7.99	0.13	8.13	0.06	0.13	0.19		1,211.99		0.08		1,213.72

3.3 Grading - 2014

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					16.58	0.00	16.58	6.63	0.00	6.63							0.00
Off-Road	9.28	76.23	39.82	0.08		3.24	3.24		3.24	3.24		9,176.32		0.83			9,193.75
Total	9.28	76.23	39.82	0.08	16.58	3.24	19.82	6.63	3.24	9.87		9,176.32		0.83			9,193.75

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	4.18	21.70	53.79	0.03	62.94	0.63	63.57	0.11	0.63	0.75		3,217.79		0.18			3,221.58
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	5.64	5.33	53.63	0.05	7.37	0.16	7.53	0.28	0.16	0.44		4,974.81		0.39			4,982.94
Total	9.82	27.03	107.42	0.08	70.31	0.79	71.10	0.39	0.79	1.19		8,192.60		0.57			8,204.52

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					6.47	0.00	6.47	2.58	0.00	2.58							0.00
Off-Road	6.46	41.98	45.92	0.08		2.67	2.67		2.67	2.67	0.00	9,176.32		0.83			9,193.75
Total	6.46	41.98	45.92	0.08	6.47	2.67	9.14	2.58	2.67	5.25	0.00	9,176.32		0.83			9,193.75

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	4.18	21.70	53.79	0.03	62.94	0.63	63.57	0.11	0.63	0.75		3,217.79		0.18			3,221.58
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	5.64	5.33	53.63	0.05	7.37	0.16	7.53	0.28	0.16	0.44		4,974.81		0.39			4,982.94
Total	9.82	27.03	107.42	0.08	70.31	0.79	71.10	0.39	0.79	1.19		8,192.60		0.57			8,204.52

3.4 Utilities - 2014

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	3.23	25.68	15.58	0.03		1.17	1.17		1.17	1.17		3,068.15		0.29		3,074.21
Total	3.23	25.68	15.58	0.03		1.17	1.17		1.17	1.17		3,068.15		0.29		3,074.21

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	0.55	2.61	7.12	0.00	0.17	0.07	0.24	0.01	0.07	0.09		464.15		0.03		464.69
Worker	0.67	0.63	6.35	0.01	0.87	0.02	0.89	0.03	0.02	0.05		589.30		0.05		590.27
Total	1.22	3.24	13.47	0.01	1.04	0.09	1.13	0.04	0.09	0.14		1,053.45		0.08		1,054.96

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	2.16	14.04	16.51	0.03		0.97	0.97		0.97	0.97	0.00	3,068.15		0.29		3,074.21
Total	2.16	14.04	16.51	0.03		0.97	0.97		0.97	0.97	0.00	3,068.15		0.29		3,074.21

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	0.55	2.61	7.12	0.00	0.17	0.07	0.24	0.01	0.07	0.09		464.15		0.03		464.69
Worker	0.67	0.63	6.35	0.01	0.87	0.02	0.89	0.03	0.02	0.05		589.30		0.05		590.27
Total	1.22	3.24	13.47	0.01	1.04	0.09	1.13	0.04	0.09	0.14		1,053.45		0.08		1,054.96

3.4 Utilities - 2015

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	3.05	23.49	15.10	0.03		1.06	1.06		1.06	1.06		3,068.15		0.27		3,073.89
Total	3.05	23.49	15.10	0.03		1.06	1.06		1.06	1.06		3,068.15		0.27		3,073.89

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	0.49	2.37	6.11	0.00	0.17	0.07	0.23	0.01	0.07	0.08		467.64		0.02		468.12
Worker	0.62	0.57	5.76	0.01	0.87	0.02	0.89	0.03	0.02	0.05		575.33		0.04		576.21
Total	1.11	2.94	11.87	0.01	1.04	0.09	1.12	0.04	0.09	0.13		1,042.97		0.06		1,044.33

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	2.16	14.04	16.51	0.03		0.97	0.97		0.97	0.97	0.00	3,068.15		0.27		3,073.89
Total	2.16	14.04	16.51	0.03		0.97	0.97		0.97	0.97	0.00	3,068.15		0.27		3,073.89

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	0.49	2.37	6.11	0.00	0.17	0.07	0.23	0.01	0.07	0.08		467.64		0.02		468.12
Worker	0.62	0.57	5.76	0.01	0.87	0.02	0.89	0.03	0.02	0.05		575.33		0.04		576.21
Total	1.11	2.94	11.87	0.01	1.04	0.09	1.12	0.04	0.09	0.13		1,042.97		0.06		1,044.33

3.5 Building Construction - 2014

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	7.04	45.79	32.40	0.06		2.58	2.58		2.58	2.58		5,918.17		0.63		5,931.35
Total	7.04	45.79	32.40	0.06		2.58	2.58		2.58	2.58		5,918.17		0.63		5,931.35

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	0.55	2.61	7.12	0.00	0.17	0.07	0.24	0.01	0.07	0.09		464.15		0.03		464.69
Worker	10.27	9.71	97.66	0.10	13.42	0.30	13.72	0.50	0.30	0.80		9,058.81		0.71		9,073.62
Total	10.82	12.32	104.78	0.10	13.59	0.37	13.96	0.51	0.37	0.89		9,522.96		0.74		9,538.31

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	8.72	32.20	35.57	0.06		2.44	2.44		2.44	2.44	0.00	5,918.17		0.63		5,931.35
Total	8.72	32.20	35.57	0.06		2.44	2.44		2.44	2.44	0.00	5,918.17		0.63		5,931.35

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	0.55	2.61	7.12	0.00	0.17	0.07	0.24	0.01	0.07	0.09		464.15		0.03		464.69
Worker	10.27	9.71	97.66	0.10	13.42	0.30	13.72	0.50	0.30	0.80		9,058.81		0.71		9,073.62
Total	10.82	12.32	104.78	0.10	13.59	0.37	13.96	0.51	0.37	0.89		9,522.96		0.74		9,538.31

3.5 Building Construction - 2015

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	6.45	41.74	31.97	0.06		2.32	2.32		2.32	2.32		5,918.17		0.58		5,930.31
Total	6.45	41.74	31.97	0.06		2.32	2.32		2.32	2.32		5,918.17		0.58		5,930.31

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	0.49	2.37	6.11	0.00	0.17	0.07	0.23	0.01	0.07	0.08		467.64		0.02		468.12
Worker	9.55	8.82	88.52	0.09	13.42	0.29	13.71	0.50	0.29	0.80		8,843.99		0.65		8,857.53
Total	10.04	11.19	94.63	0.09	13.59	0.36	13.94	0.51	0.36	0.88		9,311.63		0.67		9,325.65

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	8.72	32.20	35.57	0.06		2.44	2.44		2.44	2.44	0.00	5,918.17		0.58		5,930.31
Total	8.72	32.20	35.57	0.06		2.44	2.44		2.44	2.44	0.00	5,918.17		0.58		5,930.31

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	0.49	2.37	6.11	0.00	0.17	0.07	0.23	0.01	0.07	0.08		467.64		0.02		468.12
Worker	9.55	8.82	88.52	0.09	13.42	0.29	13.71	0.50	0.29	0.80		8,843.99		0.65		8,857.53
Total	10.04	11.19	94.63	0.09	13.59	0.36	13.94	0.51	0.36	0.88		9,311.63		0.67		9,325.65

3.5 Building Construction - 2016

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	5.92	37.99	31.60	0.06		2.07	2.07		2.07	2.07		5,918.17		0.53		5,929.26
Total	5.92	37.99	31.60	0.06		2.07	2.07		2.07	2.07		5,918.17		0.53		5,929.26

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	0.41	2.17	4.78	0.00	0.17	0.06	0.23	0.01	0.06	0.07		471.50		0.02		471.90
Worker	8.90	8.01	80.38	0.09	13.42	0.29	13.71	0.50	0.29	0.79		8,624.33		0.59		8,636.67
Total	9.31	10.18	85.16	0.09	13.59	0.35	13.94	0.51	0.35	0.86		9,095.83		0.61		9,108.57

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	8.72	32.20	35.57	0.06		2.44	2.44		2.44	2.44	0.00	5,918.17		0.53		5,929.26
Total	8.72	32.20	35.57	0.06		2.44	2.44		2.44	2.44	0.00	5,918.17		0.53		5,929.26

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	0.41	2.17	4.78	0.00	0.17	0.06	0.23	0.01	0.06	0.07		471.50		0.02		471.90
Worker	8.90	8.01	80.38	0.09	13.42	0.29	13.71	0.50	0.29	0.79		8,624.33		0.59		8,636.67
Total	9.31	10.18	85.16	0.09	13.59	0.35	13.94	0.51	0.35	0.86		9,095.83		0.61		9,108.57

3.6 Paving - 2016

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	3.11	19.14	13.82	0.02		1.60	1.60		1.60	1.60		1,979.14		0.28		1,985.01
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	3.11	19.14	13.82	0.02		1.60	1.60		1.60	1.60		1,979.14		0.28		1,985.01

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	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	0.00	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	0.00	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 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	1.74	10.45	12.89	0.02		1.04	1.04		1.04	1.04	0.00	1,979.14		0.28		1,985.01
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	1.74	10.45	12.89	0.02		1.04	1.04		1.04	1.04	0.00	1,979.14		0.28		1,985.01

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	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	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00

3.7 Architectural Coating - 2016

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	45.24					0.00	0.00		0.00	0.00						0.00
Off-Road	0.37	2.37	1.88	0.00		0.20	0.20		0.20	0.20		281.19		0.03		281.89
Total	45.61	2.37	1.88	0.00		0.20	0.20		0.20	0.20		281.19		0.03		281.89

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	0.00	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	0.00	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 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	45.24					0.00	0.00		0.00	0.00						0.00
Off-Road	0.25	1.48	1.83	0.00		0.15	0.15		0.15	0.15	0.00	281.19		0.03		281.89
Total	45.49	1.48	1.83	0.00		0.15	0.15		0.15	0.15	0.00	281.19		0.03		281.89

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	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00

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	6.38	7.29	50.32	0.06	7.09	0.15	7.24	1.19	0.19	1.39		4,792.23		0.32		4,798.89
Unmitigated	6.38	7.29	50.32	0.06	7.09	0.15	7.24	1.19	0.19	1.39		4,792.23		0.32		4,798.89
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
Hospital	397.20	624.17	624.17	1,580,697	1,580,697
Total	397.20	624.17	624.17	1,580,697	1,580,697

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
Hospital	14.70	6.60	6.60	64.90	16.10	19.00

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	0.65	5.87	4.93	0.04		0.00	0.45		0.00	0.45		7,043.75		0.14	0.13	7,086.61
NaturalGas Unmitigated	0.65	5.87	4.93	0.04		0.00	0.45		0.00	0.45		7,043.75		0.14	0.13	7,086.61
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					
Hospital	59871.8	0.65	5.87	4.93	0.04		0.00	0.45		0.00	0.45		7,043.75		0.14	0.13	7,086.61
Total		0.65	5.87	4.93	0.04		0.00	0.45		0.00	0.45		7,043.75		0.14	0.13	7,086.61

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					
Hospital	59.8718	0.65	5.87	4.93	0.04		0.00	0.45		0.00	0.45		7,043.75		0.14	0.13	7,086.61
Total		0.65	5.87	4.93	0.04		0.00	0.45		0.00	0.45		7,043.75		0.14	0.13	7,086.61

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	7.16	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Unmitigated	7.16	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	1.64					0.00	0.00		0.00	0.00						0.00
Consumer Products	5.52					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	7.16	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	1.64					0.00	0.00		0.00	0.00						0.00
Consumer Products	5.52					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	7.16	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

CDCR MCSP Single Facility
Amador County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Hospital	257.92	1000sqft

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)		Utility Company	Pacific Gas & Electric Company
Climate Zone	2		2.2		
		Precipitation Freq (Days)			

1.3 User Entered Comments

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- Project Characteristics -
- Land Use - Disturbance area - 62.71 acres
- Construction Phase - 26 months construction schedule
- Off-road Equipment - Equipment list from CDCR
- Load factors adjusted based on ARB off-road diesel regulation
- Off-road Equipment - Equipment information from client
- Off-road Equipment - Equipment list from CDCR
- Load factors adjusted based on ARB off-road diesel regulation
- Off-road Equipment - Equipment list from CDCR
- Load factors adjusted based on ARB off-road diesel regulation
- Off-road Equipment - ARB Off-Road Diesel Regulation
- Off-road Equipment - Equipment list from CDCR
- Load factors adjusted based on ARB off-road diesel regulation
- Trips and VMT - Based on data from other CDCR projects
- Grading - Data from CDCR
- Vehicle Trips - Based on trip generation data
- Water And Wastewater - Utility Data
- Solid Waste - Utility Section

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					
2014	28.29	165.72	189.68	0.24	95.62	6.96	102.59	7.07	6.96	14.04	0.00	24,835.34	0.00	2.11	0.00	24,879.67
2015	21.09	79.81	140.78	0.19	14.63	3.82	18.45	0.56	3.82	4.38	0.00	17,971.84	0.00	1.54	0.00	18,004.12
2016	64.29	70.02	120.93	0.17	13.59	4.21	17.80	0.51	4.21	4.73	0.00	16,016.88	0.00	1.40	0.00	16,046.33
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					
2014	23.37	106.57	201.36	0.24	85.06	5.82	90.88	3.03	5.82	8.85	0.00	24,835.34	0.00	2.11	0.00	24,879.67
2015	22.47	60.83	145.80	0.19	14.63	3.85	18.48	0.56	3.85	4.41	0.00	17,971.84	0.00	1.54	0.00	18,004.12
2016	65.61	54.66	123.91	0.17	13.59	3.98	17.57	0.51	3.98	4.49	0.00	16,016.88	0.00	1.40	0.00	16,046.33
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	7.16	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Energy	0.65	5.87	4.93	0.04		0.00	0.45		0.00	0.45		7,043.75		0.14	0.13	7,086.61
Mobile	6.33	7.55	46.23	0.05	7.09	0.19	7.29	1.19	0.19	1.38		4,347.32		0.26		4,352.80
Total	14.14	13.42	51.16	0.09	7.09	0.19	7.74	1.19	0.19	1.83		11,391.07		0.40	0.13	11,439.61

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	7.16	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Energy	0.65	5.87	4.93	0.04		0.00	0.45		0.00	0.45		7,043.75		0.14	0.13	7,086.61
Mobile	6.33	7.55	46.23	0.05	7.09	0.19	7.29	1.19	0.19	1.38		4,347.32		0.26		4,352.80
Total	14.14	13.42	51.16	0.09	7.09	0.19	7.74	1.19	0.19	1.83		11,391.07		0.40	0.13	11,439.61

3.0 Construction Detail

3.1 Mitigation Measures Construction

- Use Cleaner Engines for Construction Equipment
- Use DPF for Construction Equipment
- Water Exposed Area

3.2 Demolition and Site Preparation - 2014

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					0.75	0.00	0.75	0.00	0.00	0.00						0.00
Off-Road	7.21	57.28	32.36	0.07		2.79	2.79		2.79	2.79		7,077.71		0.64		7,091.22
Total	7.21	57.28	32.36	0.07	0.75	2.79	3.54	0.00	2.79	2.79		7,077.71		0.64		7,091.22

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	0.75	3.73	9.49	0.01	7.00	0.11	7.11	0.02	0.11	0.13		539.18		0.03		539.88
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	0.78	0.75	6.13	0.01	0.99	0.02	1.02	0.04	0.02	0.06		574.67		0.05		575.69
Total	1.53	4.48	15.62	0.02	7.99	0.13	8.13	0.06	0.13	0.19		1,113.85		0.08		1,115.57

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					0.29	0.00	0.29	0.00	0.00	0.00						0.00
Off-Road	4.98	32.38	37.94	0.07		2.22	2.22		2.22	2.22	0.00	7,077.71		0.64		7,091.22
Total	4.98	32.38	37.94	0.07	0.29	2.22	2.51	0.00	2.22	2.22	0.00	7,077.71		0.64		7,091.22

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	0.75	3.73	9.49	0.01	7.00	0.11	7.11	0.02	0.11	0.13		539.18		0.03		539.88
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	0.78	0.75	6.13	0.01	0.99	0.02	1.02	0.04	0.02	0.06		574.67		0.05		575.69
Total	1.53	4.48	15.62	0.02	7.99	0.13	8.13	0.06	0.13	0.19		1,113.85		0.08		1,115.57

3.3 Grading - 2014

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					16.58	0.00	16.58	6.63	0.00	6.63							0.00
Off-Road	9.28	76.23	39.82	0.08		3.24	3.24		3.24	3.24			9,176.32	0.83			9,193.75
Total	9.28	76.23	39.82	0.08	16.58	3.24	19.82	6.63	3.24	9.87			9,176.32	0.83			9,193.75

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	4.48	22.18	56.51	0.03	62.94	0.64	63.57	0.11	0.64	0.75			3,210.18	0.20			3,214.35
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	5.79	5.55	45.38	0.05	7.37	0.16	7.53	0.28	0.16	0.44			4,257.27	0.36			4,264.79
Total	10.27	27.73	101.89	0.08	70.31	0.80	71.10	0.39	0.80	1.19			7,467.45	0.56			7,479.14

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					6.47	0.00	6.47	2.58	0.00	2.58							0.00
Off-Road	6.46	41.98	45.92	0.08		2.67	2.67		2.67	2.67	0.00		9,176.32	0.83			9,193.75
Total	6.46	41.98	45.92	0.08	6.47	2.67	9.14	2.58	2.67	5.25	0.00		9,176.32	0.83			9,193.75

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	4.48	22.18	56.51	0.03	62.94	0.64	63.57	0.11	0.64	0.75			3,210.18	0.20			3,214.35
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	5.79	5.55	45.38	0.05	7.37	0.16	7.53	0.28	0.16	0.44			4,257.27	0.36			4,264.79
Total	10.27	27.73	101.89	0.08	70.31	0.80	71.10	0.39	0.80	1.19			7,467.45	0.56			7,479.14

3.4 Utilities - 2014

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	3.23	25.68	15.58	0.03		1.17	1.17		1.17	1.17			3,068.15	0.29		3,074.21
Total	3.23	25.68	15.58	0.03		1.17	1.17		1.17	1.17			3,068.15	0.29		3,074.21

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	0.63	2.66	7.98	0.00	0.17	0.07	0.24	0.01	0.07	0.09			462.32	0.03		462.96
Worker	0.69	0.66	5.38	0.01	0.87	0.02	0.89	0.03	0.02	0.05			504.30	0.04		505.20
Total	1.32	3.32	13.36	0.01	1.04	0.09	1.13	0.04	0.09	0.14			966.62	0.07		968.16

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	2.16	14.04	16.51	0.03		0.97	0.97		0.97	0.97	0.00		3,068.15	0.29		3,074.21
Total	2.16	14.04	16.51	0.03		0.97	0.97		0.97	0.97	0.00		3,068.15	0.29		3,074.21

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	0.63	2.66	7.98	0.00	0.17	0.07	0.24	0.01	0.07	0.09			462.32	0.03		462.96
Worker	0.69	0.66	5.38	0.01	0.87	0.02	0.89	0.03	0.02	0.05			504.30	0.04		505.20
Total	1.32	3.32	13.36	0.01	1.04	0.09	1.13	0.04	0.09	0.14			966.62	0.07		968.16

3.4 Utilities - 2015

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	3.05	23.49	15.10	0.03		1.06	1.06		1.06	1.06		3,068.15		0.27		3,073.89
Total	3.05	23.49	15.10	0.03		1.06	1.06		1.06	1.06		3,068.15		0.27		3,073.89

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	0.56	2.41	7.03	0.00	0.17	0.07	0.23	0.01	0.07	0.08		465.62		0.03		466.18
Worker	0.64	0.60	4.87	0.01	0.87	0.02	0.89	0.03	0.02	0.05		491.95		0.04		492.76
Total	1.20	3.01	11.90	0.01	1.04	0.09	1.12	0.04	0.09	0.13		957.57		0.07		958.94

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	2.16	14.04	16.51	0.03		0.97	0.97		0.97	0.97	0.00	3,068.15		0.27		3,073.89
Total	2.16	14.04	16.51	0.03		0.97	0.97		0.97	0.97	0.00	3,068.15		0.27		3,073.89

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	0.56	2.41	7.03	0.00	0.17	0.07	0.23	0.01	0.07	0.08		465.62		0.03		466.18
Worker	0.64	0.60	4.87	0.01	0.87	0.02	0.89	0.03	0.02	0.05		491.95		0.04		492.76
Total	1.20	3.01	11.90	0.01	1.04	0.09	1.12	0.04	0.09	0.13		957.57		0.07		958.94

3.5 Building Construction - 2014

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	7.04	45.79	32.40	0.06		2.58	2.58		2.58	2.58		5,918.17		0.63		5,931.35
Total	7.04	45.79	32.40	0.06		2.58	2.58		2.58	2.58		5,918.17		0.63		5,931.35

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	0.63	2.66	7.98	0.00	0.17	0.07	0.24	0.01	0.07	0.09		462.32		0.03		462.96
Worker	10.54	10.11	82.63	0.08	13.42	0.30	13.72	0.50	0.30	0.80		7,752.22		0.65		7,765.92
Total	11.17	12.77	90.61	0.08	13.59	0.37	13.96	0.51	0.37	0.89		8,214.54		0.68		8,228.88

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	8.72	32.20	35.57	0.06		2.44	2.44		2.44	2.44	0.00	5,918.17		0.63		5,931.35
Total	8.72	32.20	35.57	0.06		2.44	2.44		2.44	2.44	0.00	5,918.17		0.63		5,931.35

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	0.63	2.66	7.98	0.00	0.17	0.07	0.24	0.01	0.07	0.09		462.32		0.03		462.96
Worker	10.54	10.11	82.63	0.08	13.42	0.30	13.72	0.50	0.30	0.80		7,752.22		0.65		7,765.92
Total	11.17	12.77	90.61	0.08	13.59	0.37	13.96	0.51	0.37	0.89		8,214.54		0.68		8,228.88

3.5 Building Construction - 2015

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	6.45	41.74	31.97	0.06		2.32	2.32		2.32	2.32		5,918.17		0.58		5,930.31
Total	6.45	41.74	31.97	0.06		2.32	2.32		2.32	2.32		5,918.17		0.58		5,930.31

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	0.56	2.41	7.03	0.00	0.17	0.07	0.23	0.01	0.07	0.08		465.62		0.03		466.18
Worker	9.83	9.18	74.79	0.08	13.42	0.29	13.71	0.50	0.29	0.80		7,562.34		0.59		7,574.79
Total	10.39	11.59	81.82	0.08	13.59	0.36	13.94	0.51	0.36	0.88		8,027.96		0.62		8,040.97

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					
Off-Road	8.72	32.20	35.57	0.06		2.44	2.44		2.44	2.44	0.00	5,918.17		0.58		5,930.31
Total	8.72	32.20	35.57	0.06		2.44	2.44		2.44	2.44	0.00	5,918.17		0.58		5,930.31

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	0.56	2.41	7.03	0.00	0.17	0.07	0.23	0.01	0.07	0.08		465.62		0.03		466.18
Worker	9.83	9.18	74.79	0.08	13.42	0.29	13.71	0.50	0.29	0.80		7,562.34		0.59		7,574.79
Total	10.39	11.59	81.82	0.08	13.59	0.36	13.94	0.51	0.36	0.88		8,027.96		0.62		8,040.97

3.5 Building Construction - 2016

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	5.92	37.99	31.60	0.06		2.07	2.07		2.07	2.07		5,918.17		0.53		5,929.26
Total	5.92	37.99	31.60	0.06		2.07	2.07		2.07	2.07		5,918.17		0.53		5,929.26

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	0.48	2.19	5.84	0.00	0.17	0.06	0.23	0.01	0.06	0.07		469.19		0.02		469.67
Worker	9.18	8.33	67.79	0.08	13.42	0.29	13.71	0.50	0.29	0.79		7,369.18		0.54		7,380.51
Total	9.66	10.52	73.63	0.08	13.59	0.35	13.94	0.51	0.35	0.86		7,838.37		0.56		7,850.18

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	8.72	32.20	35.57	0.06		2.44	2.44		2.44	2.44	0.00	5,918.17		0.53		5,929.26
Total	8.72	32.20	35.57	0.06		2.44	2.44		2.44	2.44	0.00	5,918.17		0.53		5,929.26

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	0.48	2.19	5.84	0.00	0.17	0.06	0.23	0.01	0.06	0.07		469.19		0.02		469.67
Worker	9.18	8.33	67.79	0.08	13.42	0.29	13.71	0.50	0.29	0.79		7,369.18		0.54		7,380.51
Total	9.66	10.52	73.63	0.08	13.59	0.35	13.94	0.51	0.35	0.86		7,838.37		0.56		7,850.18

3.6 Paving - 2016

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	3.11	19.14	13.82	0.02		1.60	1.60		1.60	1.60		1,979.14		0.28		1,985.01
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	3.11	19.14	13.82	0.02		1.60	1.60		1.60	1.60		1,979.14		0.28		1,985.01

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	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	0.00	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	0.00	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 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	1.74	10.45	12.89	0.02		1.04	1.04		1.04	1.04	0.00	1,979.14		0.28		1,985.01
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	1.74	10.45	12.89	0.02		1.04	1.04		1.04	1.04	0.00	1,979.14		0.28		1,985.01

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	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	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00

3.7 Architectural Coating - 2016

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	45.24					0.00	0.00		0.00	0.00						0.00
Off-Road	0.37	2.37	1.88	0.00		0.20	0.20		0.20	0.20		281.19		0.03		281.89
Total	45.61	2.37	1.88	0.00		0.20	0.20		0.20	0.20		281.19		0.03		281.89

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	0.00	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	0.00	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 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	45.24					0.00	0.00		0.00	0.00						0.00
Off-Road	0.25	1.48	1.83	0.00		0.15	0.15		0.15	0.15	0.00	281.19		0.03		281.89
Total	45.49	1.48	1.83	0.00		0.15	0.15		0.15	0.15	0.00	281.19		0.03		281.89

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	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00

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	6.33	7.55	46.23	0.05	7.09	0.19	7.29	1.19	0.19	1.38		4,347.32		0.26		4,352.80
Unmitigated	6.33	7.55	46.23	0.05	7.09	0.19	7.29	1.19	0.19	1.38		4,347.32		0.26		4,352.80
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
Hospital	397.20	624.17	624.17	1,580,697	1,580,697
Total	397.20	624.17	624.17	1,580,697	1,580,697

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
Hospital	14.70	6.60	6.60	64.90	16.10	19.00

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	0.65	5.87	4.93	0.04		0.00	0.45		0.00	0.45		7,043.75		0.14	0.13	7,086.61
NaturalGas Unmitigated	0.65	5.87	4.93	0.04		0.00	0.45		0.00	0.45		7,043.75		0.14	0.13	7,086.61
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					
Hospital	59871.8	0.65	5.87	4.93	0.04		0.00	0.45		0.00	0.45		7,043.75		0.14	0.13	7,086.61
Total		0.65	5.87	4.93	0.04		0.00	0.45		0.00	0.45		7,043.75		0.14	0.13	7,086.61

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					
Hospital	59,871.8	0.65	5.87	4.93	0.04		0.00	0.45		0.00	0.45		7,043.75		0.14	0.13	7,086.61
Total		0.65	5.87	4.93	0.04		0.00	0.45		0.00	0.45		7,043.75		0.14	0.13	7,086.61

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	7.16	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Unmitigated	7.16	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	1.64					0.00	0.00		0.00	0.00						0.00
Consumer Products	5.52					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	7.16	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	1.64					0.00	0.00		0.00	0.00						0.00
Consumer Products	5.52					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	7.16	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

**CDCR MCSP Double Facility
Amador County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Hospital	580.85	1000sqft

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)		Utility Company	Pacific Gas & Electric Company
Climate Zone	2		2.2		
		Precipitation Freq (Days)			

1.3 User Entered Comments

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- Project Characteristics -
- Land Use - Disturbance area - 96.08 acres
- Construction Phase - 23 months construction schedule
- Off-road Equipment - Equipment list from CDCR
- Load factors adjusted based on ARB off-road diesel regulation
- Off-road Equipment - Equipment information from client
- Off-road Equipment - Equipment list from CDCR
- Load factors adjusted based on ARB off-road diesel regulation
- Off-road Equipment - Equipment list from CDCR
- Load factors adjusted based on ARB off-road diesel regulation
- Off-road Equipment - ARB Off-Road Regulation
- Off-road Equipment - Equipment list from CDCR
- Load factors adjusted based on ARB off-road diesel regulation
- Trips and VMT - Based on data from other CDCR projects
- Grading - Data from CDCR
- Vehicle Trips - Based on trip generation data
- Water And Wastewater - Utility Section
- Solid Waste - Utility Section

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					
2014	43.96	223.94	354.69	0.40	190.10	8.86	198.96	7.63	8.86	16.49	0.00	39,963.47	0.00	3.15	0.00	40,029.53
2015	37.14	114.15	288.39	0.36	32.53	5.47	38.00	1.23	5.47	6.70	0.00	34,482.17	0.00	2.78	0.00	34,540.57
2016	136.78	100.69	249.56	0.34	30.40	5.70	36.10	1.14	5.70	6.84	0.00	31,417.92	0.00	2.49	0.00	31,470.26
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					
2014	41.44	155.70	370.47	0.40	178.07	7.76	185.83	3.58	7.76	11.33	0.00	39,963.47	0.00	3.15	0.00	40,029.53
2015	39.59	90.40	295.72	0.36	32.53	5.56	38.10	1.23	5.56	6.79	0.00	34,482.17	0.00	2.78	0.00	34,540.57
2016	139.45	82.60	255.14	0.34	30.40	5.66	36.06	1.14	5.66	6.81	0.00	31,417.92	0.00	2.49	0.00	31,470.26
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	16.12	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Energy	1.45	13.22	11.10	0.08		0.00	1.00		0.00	1.00		15,863.18		0.30	0.29	15,959.72
Mobile	9.86	11.26	77.73	0.09	10.92	0.30	11.22	1.83	0.30	2.14		7,403.03		0.49		7,413.33
Total	27.43	24.48	88.83	0.17	10.92	0.30	12.22	1.83	0.30	3.14		23,266.21		0.79	0.29	23,373.05

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	16.12	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Energy	1.45	13.22	11.10	0.08		0.00	1.00		0.00	1.00		15,863.18		0.30	0.29	15,959.72
Mobile	9.86	11.26	77.73	0.09	10.92	0.30	11.22	1.83	0.30	2.14		7,403.03		0.49		7,413.33
Total	27.43	24.48	88.83	0.17	10.92	0.30	12.22	1.83	0.30	3.14		23,266.21		0.79	0.29	23,373.05

3.0 Construction Detail

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Water Exposed Area

3.2 Demolition and Site Preparation - 2014

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					1.24	0.00	1.24	0.00	0.00	0.00						0.00
Off-Road	8.71	71.32	37.99	0.08		3.20	3.20		3.20	3.20		8,930.08		0.78		8,946.40
Total	8.71	71.32	37.99	0.08	1.24	3.20	4.44	0.00	3.20	3.20		8,930.08		0.78		8,946.40

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	1.17	6.08	15.06	0.01	11.67	0.18	11.84	0.03	0.18	0.21		900.76		0.05		901.82
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	1.72	1.63	16.40	0.02	2.25	0.05	2.30	0.08	0.05	0.13		1,521.22		0.12		1,523.71
Total	2.89	7.71	31.46	0.03	13.92	0.23	14.14	0.11	0.23	0.34		2,421.98		0.17		2,425.53

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					0.49	0.00	0.49	0.00	0.00	0.00						0.00
Off-Road	6.29	40.86	46.39	0.08		2.71	2.71		2.71	2.71	0.00	8,930.08		0.78		8,946.40
Total	6.29	40.86	46.39	0.08	0.49	2.71	3.20	0.00	2.71	2.71	0.00	8,930.08		0.78		8,946.40

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	1.17	6.08	15.06	0.01	11.67	0.18	11.84	0.03	0.18	0.21		900.76		0.05		901.82
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	1.72	1.63	16.40	0.02	2.25	0.05	2.30	0.08	0.05	0.13		1,521.22		0.12		1,523.71
Total	2.89	7.71	31.46	0.03	13.92	0.23	14.14	0.11	0.23	0.34		2,421.98		0.17		2,425.53

3.3 Grading - 2014

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					18.47	0.00	18.47	6.64	0.00	6.64						0.00
Off-Road	10.36	84.67	44.85	0.10		3.66	3.66		3.66	3.66			10,250.31	0.93		10,269.77
Total	10.36	84.67	44.85	0.10	18.47	3.66	22.13	6.64	3.66	10.30			10,250.31	0.93		10,269.77

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	9.29	48.23	119.54	0.07	139.86	1.41	141.26	0.25	1.41	1.66			7,150.65	0.40		7,159.06
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	12.71	12.01	120.85	0.12	16.61	0.37	16.98	0.62	0.37	0.99			11,210.45	0.87		11,228.77
Total	22.00	60.24	240.39	0.19	156.47	1.78	158.24	0.87	1.78	2.65			18,361.10	1.27		18,387.83

	ROG	NOx	CO	SO2	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					7.20	0.00	7.20	2.59	0.00	2.59						0.00
Off-Road	7.21	46.90	52.22	0.10		3.04	3.04		3.04	3.04	0.00		10,250.31	0.93		10,269.77
Total	7.21	46.90	52.22	0.10	7.20	3.04	10.24	2.59	3.04	5.63	0.00		10,250.31	0.93		10,269.77

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	9.29	48.23	119.54	0.07	139.86	1.41	141.26	0.25	1.41	1.66			7,150.65	0.40		7,159.06
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	12.71	12.01	120.85	0.12	16.61	0.37	16.98	0.62	0.37	0.99			11,210.45	0.87		11,228.77
Total	22.00	60.24	240.39	0.19	156.47	1.78	158.24	0.87	1.78	2.65			18,361.10	1.27		18,387.83

3.4 Utilities - 2014

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	3.23	25.68	15.58	0.03		1.17	1.17		1.17	1.17		3,068.15		0.29		3,074.21
Total	3.23	25.68	15.58	0.03		1.17	1.17		1.17	1.17		3,068.15		0.29		3,074.21

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	0.55	2.61	7.12	0.00	0.17	0.07	0.24	0.01	0.07	0.09		464.15		0.03		464.69
Worker	1.51	1.42	14.33	0.01	1.97	0.04	2.01	0.07	0.04	0.12		1,329.36		0.10		1,331.53
Total	2.06	4.03	21.45	0.01	2.14	0.11	2.25	0.08	0.11	0.21		1,793.51		0.13		1,796.22

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	2.16	14.04	16.51	0.03		0.97	0.97		0.97	0.97	0.00	3,068.15		0.29		3,074.21
Total	2.16	14.04	16.51	0.03		0.97	0.97		0.97	0.97	0.00	3,068.15		0.29		3,074.21

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	0.55	2.61	7.12	0.00	0.17	0.07	0.24	0.01	0.07	0.09		464.15		0.03		464.69
Worker	1.51	1.42	14.33	0.01	1.97	0.04	2.01	0.07	0.04	0.12		1,329.36		0.10		1,331.53
Total	2.06	4.03	21.45	0.01	2.14	0.11	2.25	0.08	0.11	0.21		1,793.51		0.13		1,796.22

3.4 Utilities - 2015

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	3.05	23.49	15.10	0.03		1.06	1.06		1.06	1.06		3,068.15		0.27		3,073.89
Total	3.05	23.49	15.10	0.03		1.06	1.06		1.06	1.06		3,068.15		0.27		3,073.89

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	0.49	2.37	6.11	0.00	0.17	0.07	0.23	0.01	0.07	0.08		467.64		0.02		468.12
Worker	1.40	1.29	12.99	0.01	1.97	0.04	2.01	0.07	0.04	0.12		1,297.83		0.09		1,299.82
Total	1.89	3.66	19.10	0.01	2.14	0.11	2.24	0.08	0.11	0.20		1,765.47		0.11		1,767.94

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	2.16	14.04	16.51	0.03		0.97	0.97		0.97	0.97	0.00	3,068.15		0.27		3,073.89
Total	2.16	14.04	16.51	0.03		0.97	0.97		0.97	0.97	0.00	3,068.15		0.27		3,073.89

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	0.49	2.37	6.11	0.00	0.17	0.07	0.23	0.01	0.07	0.08		467.64		0.02		468.12
Worker	1.40	1.29	12.99	0.01	1.97	0.04	2.01	0.07	0.04	0.12		1,297.83		0.09		1,299.82
Total	1.89	3.66	19.10	0.01	2.14	0.11	2.24	0.08	0.11	0.20		1,765.47		0.11		1,767.94

3.5 Building Construction - 2014

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	11.11	71.04	49.41	0.10		3.97	3.97		3.97	3.97		9,258.51		0.99		9,279.33
Total	11.11	71.04	49.41	0.10		3.97	3.97		3.97	3.97		9,258.51		0.99		9,279.33

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	0.55	2.61	7.12	0.00	0.17	0.07	0.24	0.01	0.07	0.09		464.15		0.03		464.69
Worker	23.13	21.87	219.98	0.22	30.23	0.67	30.90	1.13	0.67	1.80		20,406.30		1.59		20,439.66
Total	23.68	24.48	227.10	0.22	30.40	0.74	31.14	1.14	0.74	1.89		20,870.45		1.62		20,904.35

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	13.54	50.46	54.58	0.10		3.76	3.76		3.76	3.76	0.00	9,258.51		0.99		9,279.33
Total	13.54	50.46	54.58	0.10		3.76	3.76		3.76	3.76	0.00	9,258.51		0.99		9,279.33

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	0.55	2.61	7.12	0.00	0.17	0.07	0.24	0.01	0.07	0.09		464.15		0.03		464.69
Worker	23.13	21.87	219.98	0.22	30.23	0.67	30.90	1.13	0.67	1.80		20,406.30		1.59		20,439.66
Total	23.68	24.48	227.10	0.22	30.40	0.74	31.14	1.14	0.74	1.89		20,870.45		1.62		20,904.35

3.5 Building Construction - 2015

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	10.21	64.76	48.66	0.10		3.57	3.57		3.57	3.57		9,258.51		0.91		9,277.73
Total	10.21	64.76	48.66	0.10		3.57	3.57		3.57	3.57		9,258.51		0.91		9,277.73

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	0.49	2.37	6.11	0.00	0.17	0.07	0.23	0.01	0.07	0.08		467.64		0.02		468.12
Worker	21.51	19.87	199.41	0.21	30.23	0.66	30.90	1.13	0.66	1.79		19,922.39		1.45		19,952.90
Total	22.00	22.24	205.52	0.21	30.40	0.73	31.13	1.14	0.73	1.87		20,390.03		1.47		20,421.02

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	13.54	50.46	54.58	0.10		3.76	3.76		3.76	3.76	0.00	9,258.51		0.91		9,277.73
Total	13.54	50.46	54.58	0.10		3.76	3.76		3.76	3.76	0.00	9,258.51		0.91		9,277.73

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	0.49	2.37	6.11	0.00	0.17	0.07	0.23	0.01	0.07	0.08		467.64		0.02		468.12
Worker	21.51	19.87	199.41	0.21	30.23	0.66	30.90	1.13	0.66	1.79		19,922.39		1.45		19,952.90
Total	22.00	22.24	205.52	0.21	30.40	0.73	31.13	1.14	0.73	1.87		20,390.03		1.47		20,421.02

3.5 Building Construction - 2016

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	9.38	58.98	48.01	0.10		3.19	3.19		3.19	3.19		9,258.51		0.84		9,276.10
Total	9.38	58.98	48.01	0.10		3.19	3.19		3.19	3.19		9,258.51		0.84		9,276.10

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	0.41	2.17	4.78	0.00	0.17	0.06	0.23	0.01	0.06	0.07		471.50		0.02		471.90
Worker	20.05	18.04	181.06	0.21	30.23	0.65	30.88	1.13	0.65	1.78		19,427.58		1.32		19,455.36
Total	20.46	20.21	185.84	0.21	30.40	0.71	31.11	1.14	0.71	1.85		19,899.08		1.34		19,927.26

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	lb/day										lb/day					
Off-Road	13.54	50.46	54.58	0.10		3.76	3.76		3.76	3.76	0.00	9,258.51		0.84		9,276.10
Total	13.54	50.46	54.58	0.10		3.76	3.76		3.76	3.76	0.00	9,258.51		0.84		9,276.10

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	0.41	2.17	4.78	0.00	0.17	0.06	0.23	0.01	0.06	0.07		471.50		0.02		471.90
Worker	20.05	18.04	181.06	0.21	30.23	0.65	30.88	1.13	0.65	1.78		19,427.58		1.32		19,455.36
Total	20.46	20.21	185.84	0.21	30.40	0.71	31.11	1.14	0.71	1.85		19,899.08		1.34		19,927.26

3.6 Paving - 2016

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	3.11	19.14	13.82	0.02		1.60	1.60		1.60	1.60		1,979.14		0.28		1,985.01
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	3.11	19.14	13.82	0.02		1.60	1.60		1.60	1.60		1,979.14		0.28		1,985.01

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	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	0.00	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	0.00	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 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	1.74	10.45	12.89	0.02		1.04	1.04		1.04	1.04	0.00	1,979.14		0.28		1,985.01
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	1.74	10.45	12.89	0.02		1.04	1.04		1.04	1.04	0.00	1,979.14		0.28		1,985.01

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	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	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00

3.7 Architectural Coating - 2016

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	103.46					0.00	0.00		0.00	0.00							0.00
Off-Road	0.37	2.37	1.88	0.00		0.20	0.20		0.20	0.20		281.19		0.03			281.89
Total	103.83	2.37	1.88	0.00		0.20	0.20		0.20	0.20		281.19		0.03			281.89

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	0.00	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	0.00	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 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	103.46					0.00	0.00		0.00	0.00							0.00
Off-Road	0.25	1.48	1.83	0.00		0.15	0.15		0.15	0.15	0.00	281.19		0.03			281.89
Total	103.71	1.48	1.83	0.00		0.15	0.15		0.15	0.15	0.00	281.19		0.03			281.89

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	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00			0.00

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	9.86	11.26	77.73	0.09	10.92	0.30	11.22	1.83	0.30	2.14		7,403.03		0.49		7,413.33
Unmitigated	9.86	11.26	77.73	0.09	10.92	0.30	11.22	1.83	0.30	2.14		7,403.03		0.49		7,413.33
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
Hospital	766.72	964.21	964.21	2,816,060	2,816,060
Total	766.72	964.21	964.21	2,816,060	2,816,060

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
Hospital	14.70	6.60	6.60	64.90	16.10	19.00

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	1.45	13.22	11.10	0.08		0.00	1.00		0.00	1.00		15,863.18		0.30	0.29	15,959.72
NaturalGas Unmitigated	1.45	13.22	11.10	0.08		0.00	1.00		0.00	1.00		15,863.18		0.30	0.29	15,959.72
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					
Hospital	134837	1.45	13.22	11.10	0.08		0.00	1.00		0.00	1.00		15,863.18		0.30	0.29	15,959.72
Total		1.45	13.22	11.10	0.08		0.00	1.00		0.00	1.00		15,863.18		0.30	0.29	15,959.72

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					
Hospital	134.837	1.45	13.22	11.10	0.08		0.00	1.00		0.00	1.00		15,863.18		0.30	0.29	15,959.72
Total		1.45	13.22	11.10	0.08		0.00	1.00		0.00	1.00		15,863.18		0.30	0.29	15,959.72

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	16.12	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Unmitigated	16.12	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	3.68					0.00	0.00		0.00	0.00						0.00
Consumer Products	12.43					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	16.11	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	3.68					0.00	0.00		0.00	0.00						0.00
Consumer Products	12.43					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	16.11	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

**CDCR MCSP Double Facility
Amador County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Hospital	580.85	1000sqft

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)		Utility Company	Pacific Gas & Electric Company
Climate Zone	2		2.2		
		Precipitation Freq (Days)			

1.3 User Entered Comments

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- Project Characteristics -
- Land Use - Disturbance area - 96.08 acres
- Construction Phase - 23 months construction schedule
- Off-road Equipment - Equipment list from CDCR
- Load factors adjusted based on ARB off-road diesel regulation
- Off-road Equipment - Equipment information from client
- Off-road Equipment - Equipment list from CDCR
- Load factors adjusted based on ARB off-road diesel regulation
- Off-road Equipment - Equipment list from CDCR
- Load factors adjusted based on ARB off-road diesel regulation
- Off-road Equipment - ARB Off-Road Regulation
- Off-road Equipment - Equipment list from CDCR
- Load factors adjusted based on ARB off-road diesel regulation
- Trips and VMT - Based on data from other CDCR projects
- Grading - Data from CDCR
- Vehicle Trips - Based on trip generation data
- Water And Wastewater - Utility Section
- Solid Waste - Utility Section

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					
2014	45.11	225.70	340.36	0.38	190.10	8.87	198.97	7.63	8.87	16.50	0.00	38,108.09	0.00	3.12	0.00	38,173.54
2015	37.96	115.09	257.27	0.33	32.53	5.47	38.00	1.23	5.47	6.70	0.00	31,402.93	0.00	2.66	0.00	31,458.90
2016	137.47	101.44	222.26	0.31	30.40	5.70	36.10	1.14	5.70	6.84	0.00	28,588.21	0.00	2.39	0.00	28,638.35
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					
2014	42.26	157.46	356.13	0.38	178.07	7.77	185.84	3.58	7.77	11.34	0.00	38,108.09	0.00	3.12	0.00	38,173.54
2015	40.41	91.33	264.60	0.33	32.53	5.57	38.10	1.23	5.57	6.79	0.00	31,402.93	0.00	2.66	0.00	31,458.90
2016	140.15	83.35	227.84	0.31	30.40	5.66	36.06	1.14	5.66	6.81	0.00	28,588.21	0.00	2.39	0.00	28,638.35
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	16.12	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Energy	1.45	13.22	11.10	0.08		0.00	1.00		0.00	1.00		15,863.18		0.30	0.29	15,959.72
Mobile	9.78	11.67	71.42	0.08	10.92	0.30	11.22	1.83	0.30	2.14		6,715.73		0.40		6,724.19
Total	27.35	24.89	82.52	0.16	10.92	0.30	12.22	1.83	0.30	3.14		22,578.91		0.70	0.29	22,683.91

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	16.12	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Energy	1.45	13.22	11.10	0.08		0.00	1.00		0.00	1.00		15,863.18		0.30	0.29	15,959.72
Mobile	9.78	11.67	71.42	0.08	10.92	0.30	11.22	1.83	0.30	2.14		6,715.73		0.40		6,724.19
Total	27.35	24.89	82.52	0.16	10.92	0.30	12.22	1.83	0.30	3.14		22,578.91		0.70	0.29	22,683.91

3.0 Construction Detail

3.1 Mitigation Measures Construction

- Use Cleaner Engines for Construction Equipment
- Use DPF for Construction Equipment
- Water Exposed Area

3.2 Demolition and Site Preparation - 2014

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					1.24	0.00	1.24	0.00	0.00	0.00						0.00
Off-Road	8.71	71.32	37.99	0.08		3.20	3.20		3.20	3.20		8,930.08		0.78		8,946.40
Total	8.71	71.32	37.99	0.08	1.24	3.20	4.44	0.00	3.20	3.20		8,930.08		0.78		8,946.40

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	1.26	6.21	15.82	0.01	11.67	0.18	11.84	0.03	0.18	0.21		898.63		0.06		899.80
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	1.77	1.70	13.88	0.01	2.25	0.05	2.30	0.08	0.05	0.13		1,301.81		0.11		1,304.11
Total	3.03	7.91	29.70	0.02	13.92	0.23	14.14	0.11	0.23	0.34		2,200.44		0.17		2,203.91

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					0.49	0.00	0.49	0.00	0.00	0.00						0.00
Off-Road	6.29	40.86	46.39	0.08		2.71	2.71		2.71	2.71	0.00	8,930.08		0.78		8,946.40
Total	6.29	40.86	46.39	0.08	0.49	2.71	3.20	0.00	2.71	2.71	0.00	8,930.08		0.78		8,946.40

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	1.26	6.21	15.82	0.01	11.67	0.18	11.84	0.03	0.18	0.21		898.63		0.06		899.80
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	1.77	1.70	13.88	0.01	2.25	0.05	2.30	0.08	0.05	0.13		1,301.81		0.11		1,304.11
Total	3.03	7.91	29.70	0.02	13.92	0.23	14.14	0.11	0.23	0.34		2,200.44		0.17		2,203.91

3.3 Grading - 2014

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					18.47	0.00	18.47	6.64	0.00	6.64							0.00
Off-Road	10.36	84.67	44.85	0.10		3.66	3.66		3.66	3.66			10,250.31		0.93		10,269.77
Total	10.36	84.67	44.85	0.10	18.47	3.66	22.13	6.64	3.66	10.30			10,250.31		0.93		10,269.77

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	9.97	49.29	125.57	0.07	139.86	1.42	141.27	0.25	1.42	1.67			7,133.74		0.44		7,143.00
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	13.04	12.51	102.26	0.10	16.61	0.37	16.98	0.62	0.37	0.99			9,593.52		0.81		9,610.47
Total	23.01	61.80	227.83	0.17	156.47	1.79	158.25	0.87	1.79	2.66			16,727.26		1.25		16,753.47

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					7.20	0.00	7.20	2.59	0.00	2.59							0.00
Off-Road	7.21	46.90	52.22	0.10		3.04	3.04		3.04	3.04	0.00		10,250.31		0.93		10,269.77
Total	7.21	46.90	52.22	0.10	7.20	3.04	10.24	2.59	3.04	5.63	0.00		10,250.31		0.93		10,269.77

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	9.97	49.29	125.57	0.07	139.86	1.42	141.27	0.25	1.42	1.67			7,133.74		0.44		7,143.00
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	13.04	12.51	102.26	0.10	16.61	0.37	16.98	0.62	0.37	0.99			9,593.52		0.81		9,610.47
Total	23.01	61.80	227.83	0.17	156.47	1.79	158.25	0.87	1.79	2.66			16,727.26		1.25		16,753.47

3.4 Utilities - 2014

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	3.23	25.68	15.58	0.03		1.17	1.17		1.17	1.17		3,068.15		0.29		3,074.21
Total	3.23	25.68	15.58	0.03		1.17	1.17		1.17	1.17		3,068.15		0.29		3,074.21

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	0.63	2.66	7.98	0.00	0.17	0.07	0.24	0.01	0.07	0.09		462.32		0.03		462.96
Worker	1.55	1.48	12.13	0.01	1.97	0.04	2.01	0.07	0.04	0.12		1,137.62		0.10		1,139.63
Total	2.18	4.14	20.11	0.01	2.14	0.11	2.25	0.08	0.11	0.21		1,599.94		0.13		1,602.59

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	2.16	14.04	16.51	0.03		0.97	0.97		0.97	0.97	0.00	3,068.15		0.29		3,074.21
Total	2.16	14.04	16.51	0.03		0.97	0.97		0.97	0.97	0.00	3,068.15		0.29		3,074.21

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	0.63	2.66	7.98	0.00	0.17	0.07	0.24	0.01	0.07	0.09		462.32		0.03		462.96
Worker	1.55	1.48	12.13	0.01	1.97	0.04	2.01	0.07	0.04	0.12		1,137.62		0.10		1,139.63
Total	2.18	4.14	20.11	0.01	2.14	0.11	2.25	0.08	0.11	0.21		1,599.94		0.13		1,602.59

3.4 Utilities - 2015

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	3.05	23.49	15.10	0.03		1.06	1.06		1.06	1.06		3,068.15		0.27		3,073.89
Total	3.05	23.49	15.10	0.03		1.06	1.06		1.06	1.06		3,068.15		0.27		3,073.89

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	0.56	2.41	7.03	0.00	0.17	0.07	0.23	0.01	0.07	0.08		465.62		0.03		466.18
Worker	1.44	1.35	10.97	0.01	1.97	0.04	2.01	0.07	0.04	0.12		1,109.75		0.09		1,111.58
Total	2.00	3.76	18.00	0.01	2.14	0.11	2.24	0.08	0.11	0.20		1,575.37		0.12		1,577.76

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	2.16	14.04	16.51	0.03		0.97	0.97		0.97	0.97	0.00	3,068.15		0.27		3,073.89
Total	2.16	14.04	16.51	0.03		0.97	0.97		0.97	0.97	0.00	3,068.15		0.27		3,073.89

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	0.56	2.41	7.03	0.00	0.17	0.07	0.23	0.01	0.07	0.08		465.62		0.03		466.18
Worker	1.44	1.35	10.97	0.01	1.97	0.04	2.01	0.07	0.04	0.12		1,109.75		0.09		1,111.58
Total	2.00	3.76	18.00	0.01	2.14	0.11	2.24	0.08	0.11	0.20		1,575.37		0.12		1,577.76

3.5 Building Construction - 2014

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	11.11	71.04	49.41	0.10		3.97	3.97		3.97	3.97		9,258.51		0.99		9,279.33
Total	11.11	71.04	49.41	0.10		3.97	3.97		3.97	3.97		9,258.51		0.99		9,279.33

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	0.63	2.66	7.98	0.00	0.17	0.07	0.24	0.01	0.07	0.09		462.32		0.03		462.96
Worker	23.74	22.77	186.14	0.18	30.23	0.67	30.90	1.13	0.67	1.80		17,463.02		1.47		17,493.88
Total	24.37	25.43	194.12	0.18	30.40	0.74	31.14	1.14	0.74	1.89		17,925.34		1.50		17,956.84

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	13.54	50.46	54.58	0.10		3.76	3.76		3.76	3.76	0.00	9,258.51		0.99		9,279.33
Total	13.54	50.46	54.58	0.10		3.76	3.76		3.76	3.76	0.00	9,258.51		0.99		9,279.33

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	0.63	2.66	7.98	0.00	0.17	0.07	0.24	0.01	0.07	0.09		462.32		0.03		462.96
Worker	23.74	22.77	186.14	0.18	30.23	0.67	30.90	1.13	0.67	1.80		17,463.02		1.47		17,493.88
Total	24.37	25.43	194.12	0.18	30.40	0.74	31.14	1.14	0.74	1.89		17,925.34		1.50		17,956.84

3.5 Building Construction - 2015

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	10.21	64.76	48.66	0.10		3.57	3.57		3.57	3.57		9,258.51		0.91		9,277.73
Total	10.21	64.76	48.66	0.10		3.57	3.57		3.57	3.57		9,258.51		0.91		9,277.73

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	0.56	2.41	7.03	0.00	0.17	0.07	0.23	0.01	0.07	0.08		465.62		0.03		466.18
Worker	22.14	20.68	168.47	0.18	30.23	0.66	30.90	1.13	0.66	1.79		17,035.28		1.34		17,063.34
Total	22.70	23.09	175.50	0.18	30.40	0.73	31.13	1.14	0.73	1.87		17,500.90		1.37		17,529.52

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	13.54	50.46	54.58	0.10		3.76	3.76		3.76	3.76	0.00	9,258.51		0.91		9,277.73
Total	13.54	50.46	54.58	0.10		3.76	3.76		3.76	3.76	0.00	9,258.51		0.91		9,277.73

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	0.56	2.41	7.03	0.00	0.17	0.07	0.23	0.01	0.07	0.08		465.62		0.03		466.18
Worker	22.14	20.68	168.47	0.18	30.23	0.66	30.90	1.13	0.66	1.79		17,035.28		1.34		17,063.34
Total	22.70	23.09	175.50	0.18	30.40	0.73	31.13	1.14	0.73	1.87		17,500.90		1.37		17,529.52

3.5 Building Construction - 2016

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	9.38	58.98	48.01	0.10		3.19	3.19		3.19	3.19		9,258.51		0.84		9,276.10
Total	9.38	58.98	48.01	0.10		3.19	3.19		3.19	3.19		9,258.51		0.84		9,276.10

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	0.48	2.19	5.84	0.00	0.17	0.06	0.23	0.01	0.06	0.07		469.19		0.02		469.67
Worker	20.68	18.77	152.71	0.18	30.23	0.65	30.88	1.13	0.65	1.78		16,600.17		1.21		16,625.68
Total	21.16	20.96	158.55	0.18	30.40	0.71	31.11	1.14	0.71	1.85		17,069.36		1.23		17,095.35

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	13.54	50.46	54.58	0.10		3.76	3.76		3.76	3.76	0.00	9,258.51		0.84		9,276.10
Total	13.54	50.46	54.58	0.10		3.76	3.76		3.76	3.76	0.00	9,258.51		0.84		9,276.10

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	0.48	2.19	5.84	0.00	0.17	0.06	0.23	0.01	0.06	0.07		469.19		0.02		469.67
Worker	20.68	18.77	152.71	0.18	30.23	0.65	30.88	1.13	0.65	1.78		16,600.17		1.21		16,625.68
Total	21.16	20.96	158.55	0.18	30.40	0.71	31.11	1.14	0.71	1.85		17,069.36		1.23		17,095.35

3.6 Paving - 2016

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	3.11	19.14	13.82	0.02		1.60	1.60		1.60	1.60		1,979.14		0.28		1,985.01
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	3.11	19.14	13.82	0.02		1.60	1.60		1.60	1.60		1,979.14		0.28		1,985.01

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	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	0.00	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	0.00	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 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	1.74	10.45	12.89	0.02		1.04	1.04		1.04	1.04	0.00	1,979.14		0.28		1,985.01
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	1.74	10.45	12.89	0.02		1.04	1.04		1.04	1.04	0.00	1,979.14		0.28		1,985.01

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	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	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00

3.7 Architectural Coating - 2016

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	103.46					0.00	0.00		0.00	0.00						0.00
Off-Road	0.37	2.37	1.88	0.00		0.20	0.20		0.20	0.20		281.19		0.03		281.89
Total	103.83	2.37	1.88	0.00		0.20	0.20		0.20	0.20		281.19		0.03		281.89

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	0.00	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	0.00	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 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	103.46					0.00	0.00		0.00	0.00						0.00
Off-Road	0.25	1.48	1.83	0.00		0.15	0.15		0.15	0.15	0.00	281.19		0.03		281.89
Total	103.71	1.48	1.83	0.00		0.15	0.15		0.15	0.15	0.00	281.19		0.03		281.89

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	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00

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	9.78	11.67	71.42	0.08	10.92	0.30	11.22	1.83	0.30	2.14		6,715.73		0.40		6,724.19
Unmitigated	9.78	11.67	71.42	0.08	10.92	0.30	11.22	1.83	0.30	2.14		6,715.73		0.40		6,724.19
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
Hospital	766.72	964.21	964.21	2,816,060	2,816,060
Total	766.72	964.21	964.21	2,816,060	2,816,060

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
Hospital	14.70	6.60	6.60	64.90	16.10	19.00

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	1.45	13.22	11.10	0.08		0.00	1.00		0.00	1.00		15,863.18		0.30	0.29	15,959.72
NaturalGas Unmitigated	1.45	13.22	11.10	0.08		0.00	1.00		0.00	1.00		15,863.18		0.30	0.29	15,959.72
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					
Hospital	134837	1.45	13.22	11.10	0.08		0.00	1.00		0.00	1.00		15,863.18		0.30	0.29	15,959.72
Total		1.45	13.22	11.10	0.08		0.00	1.00		0.00	1.00		15,863.18		0.30	0.29	15,959.72

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					
Hospital	134.837	1.45	13.22	11.10	0.08		0.00	1.00		0.00	1.00		15,863.18		0.30	0.29	15,959.72
Total		1.45	13.22	11.10	0.08		0.00	1.00		0.00	1.00		15,863.18		0.30	0.29	15,959.72

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	16.12	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Unmitigated	16.12	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	3.68					0.00	0.00		0.00	0.00						0.00
Consumer Products	12.43					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	16.11	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	3.68					0.00	0.00		0.00	0.00						0.00
Consumer Products	12.43					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	16.11	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

Paving VOC Emissions

MCSF

Single Facility

62.71	acres	
12.54	acres	Area paved: 20%
2.62	lb VOC/acre	Paving Emission Factor
32.86	lb VOC	
0.25	lb VOC/day	

Double Facility

96.08	acres	
19.22	acres	Area paved: 20%
2.62	lb VOC/acre	Paving Emission Factor
50.35	lb VOC	
0.38	lb VOC/day	

Notes:

lb = pounds

VOC = Volatile organic compound

**CDCR RJ Donovan Single Facility
San Diego County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Hospital	257.92	1000sqft

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)		Utility Company	San Diego Gas & Electric
Climate Zone	13		2.6		
		Precipitation Freq (Days)			

1.3 User Entered Comments

40

- Project Characteristics -
- Land Use - Disturbance area - 62.68 acres
- Construction Phase - 23 months construction schedule
- Off-road Equipment - Equipment information from client
- Off-road Equipment - Equipment list from CDCR
- Load factors adjusted based on ARB off-road diesel regulation
- Off-road Equipment - Equipment list from CDCR
- Load factors adjusted based on ARB off-road diesel regulation
- Off-road Equipment - Equipment list from CDCR
- Load factors adjusted based on ARB off-road diesel regulation
- Off-road Equipment - Equipment list from CDCR
- Load factors adjusted based on ARB off-road diesel regulation
- Grading - Data from CDCR
- Trips and VMT - Based on data from other CDCR projects
- Vehicle Trips - Based on trip generation data
- Landscape Equipment - Southern California

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					
2014	20.49	153.00	116.98	0.25	95.69	6.71	102.39	7.08	6.71	13.78	0.00	25,538.04	0.00	1.85	0.00	25,576.89
2015	14.06	65.99	100.29	0.19	14.67	4.52	18.13	0.56	4.52	5.03	0.00	18,718.28	0.00	1.41	0.00	18,747.79
2016	81.35	63.19	97.35	0.19	13.61	4.37	17.97	0.51	4.37	4.88	0.00	17,784.25	0.00	1.34	0.00	17,812.38
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					
2014	20.49	153.00	116.98	0.25	17.80	6.71	24.50	7.08	6.71	13.78	0.00	25,538.04	0.00	1.85	0.00	25,576.89
2015	14.06	65.99	100.29	0.19	0.56	4.52	5.03	0.56	4.52	5.03	0.00	18,718.28	0.00	1.41	0.00	18,747.79
2016	81.35	63.19	97.35	0.19	0.51	4.37	4.88	0.51	4.37	4.88	0.00	17,784.25	0.00	1.34	0.00	17,812.38
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	7.16	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Energy	0.44	4.03	3.39	0.02		0.00	0.31		0.00	0.31		4,840.76		0.09	0.09	4,870.22
Mobile	3.39	7.16	33.38	0.06	7.11	0.36	7.47	1.19	0.36	1.54		5,148.95		0.24		5,153.99
Total	10.99	11.19	36.77	0.08	7.11	0.36	7.78	1.19	0.36	1.85		9,989.71		0.33	0.09	10,024.21

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	7.16	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Energy	0.44	4.03	3.39	0.02		0.00	0.31		0.00	0.31		4,840.76		0.09	0.09	4,870.22
Mobile	3.39	7.16	33.38	0.06	7.11	0.36	7.47	1.19	0.36	1.54		5,148.95		0.24		5,153.99
Total	10.99	11.19	36.77	0.08	7.11	0.36	7.78	1.19	0.36	1.85		9,989.71		0.33	0.09	10,024.21

3.0 Construction Detail

3.1 Mitigation Measures Construction

3.2 Demolition and Site Preparation - 2014

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					0.76	0.00	0.76	0.00	0.00	0.00						0.00
Off-Road	6.22	50.31	27.93	0.06		2.33	2.33		2.33	2.33		6,147.12		0.56		6,158.79
Total	6.22	50.31	27.93	0.06	0.76	2.33	3.09	0.00	2.33	2.33		6,147.12		0.56		6,158.79

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	0.30	3.60	1.68	0.01	7.00	0.13	7.13	0.02	0.13	0.15		577.63		0.01		577.94
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	0.38	0.46	4.64	0.01	1.02	0.03	1.05	0.04	0.03	0.07		791.96		0.05		792.94
Total	0.68	4.06	6.32	0.02	8.02	0.16	8.18	0.06	0.16	0.22		1,369.59		0.06		1,370.88

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					0.76	0.00	0.76	0.00	0.00	0.00						0.00
Off-Road	6.22	50.31	27.93	0.06		2.33	2.33		2.33	2.33	0.00	6,147.12		0.56		6,158.79
Total	6.22	50.31	27.93	0.06	0.76	2.33	3.09	0.00	2.33	2.33	0.00	6,147.12		0.56		6,158.79

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	0.30	3.60	1.68	0.01	0.02	0.13	0.15	0.02	0.13	0.15		577.63		0.01		577.94
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	0.38	0.46	4.64	0.01	0.04	0.03	0.07	0.04	0.03	0.07		791.96		0.05		792.94
Total	0.68	4.06	6.32	0.02	0.06	0.16	0.22	0.06	0.16	0.22		1,369.59		0.06		1,370.88

3.3 Grading - 2014

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					16.59	0.00	16.59	6.63	0.00	6.63							0.00
Off-Road	8.99	73.84	39.00	0.08		3.17	3.17		3.17	3.17		8,816.72		0.80			8,833.62
Total	8.99	73.84	39.00	0.08	16.59	3.17	19.76	6.63	3.17	9.80		8,816.72		0.80			8,833.62

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	1.81	21.43	9.99	0.03	62.94	0.79	63.73	0.12	0.79	0.91		3,439.12		0.09		3,440.96
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	2.78	3.35	33.75	0.06	7.39	0.25	7.64	0.28	0.25	0.53		5,765.48		0.34		5,772.63
Total	4.59	24.78	43.74	0.09	70.33	1.04	71.37	0.40	1.04	1.44		9,204.60		0.43		9,213.59

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					16.59	0.00	16.59	6.63	0.00	6.63							0.00
Off-Road	8.99	73.84	39.00	0.08		3.17	3.17		3.17	3.17	0.00	8,816.72		0.80			8,833.62
Total	8.99	73.84	39.00	0.08	16.59	3.17	19.76	6.63	3.17	9.80	0.00	8,816.72		0.80			8,833.62

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	1.81	21.43	9.99	0.03	0.12	0.79	0.91	0.12	0.79	0.91		3,439.12		0.09		3,440.96
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	2.78	3.35	33.75	0.06	0.28	0.25	0.53	0.28	0.25	0.53		5,765.48		0.34		5,772.63
Total	4.59	24.78	43.74	0.09	0.40	1.04	1.44	0.40	1.04	1.44		9,204.60		0.43		9,213.59

3.4 Utilities - 2014

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	2.95	23.30	14.77	0.03		1.09	1.09		1.09	1.09		2,708.56		0.26		2,714.08
Total	2.95	23.30	14.77	0.03		1.09	1.09		1.09	1.09		2,708.56		0.26		2,714.08

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	0.25	2.32	1.69	0.00	0.17	0.09	0.26	0.01	0.09	0.11		497.08		0.01		497.34
Worker	0.34	0.41	4.08	0.01	0.89	0.03	0.92	0.03	0.03	0.06		696.93		0.04		697.79
Total	0.59	3.33	5.77	0.01	1.06	0.12	1.18	0.04	0.12	0.17		1,194.01		0.05		1,195.13

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	2.95	23.30	14.77	0.03		1.09	1.09		1.09	1.09	0.00	2,708.56		0.26		2,714.08
Total	2.95	23.30	14.77	0.03		1.09	1.09		1.09	1.09	0.00	2,708.56		0.26		2,714.08

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	0.25	2.32	1.69	0.00	0.01	0.09	0.11	0.01	0.09	0.11		497.08		0.01		497.34
Worker	0.34	0.41	4.08	0.01	0.03	0.03	0.06	0.03	0.03	0.06		696.93		0.04		697.79
Total	0.59	3.33	5.77	0.01	0.04	0.12	0.17	0.04	0.12	0.17		1,194.01		0.05		1,195.13

3.4 Utilities - 2015

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	2.78	21.37	14.30	0.03		0.99	0.99		0.99	0.99		2,708.56		0.25		2,713.78
Total	2.78	21.37	14.30	0.03		0.99	0.99		0.99	0.99		2,708.56		0.25		2,713.78

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	0.23	2.72	1.56	0.00	0.17	0.09	0.25	0.01	0.09	0.10		497.86		0.01		498.10
Worker	0.31	0.37	3.76	0.01	0.89	0.03	0.92	0.03	0.03	0.06		681.12		0.04		681.93
Total	0.54	3.09	5.32	0.01	1.06	0.12	1.17	0.04	0.12	0.16		1,178.98		0.05		1,180.03

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	2.78	21.37	14.30	0.03		0.99	0.99		0.99	0.99	0.00	2,708.56		0.25		2,713.78
Total	2.78	21.37	14.30	0.03		0.99	0.99		0.99	0.99	0.00	2,708.56		0.25		2,713.78

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	0.23	2.72	1.56	0.00	0.01	0.09	0.10	0.01	0.09	0.10		497.86		0.01		498.10
Worker	0.31	0.37	3.76	0.01	0.03	0.03	0.06	0.03	0.03	0.06		681.12		0.04		681.93
Total	0.54	3.09	5.32	0.01	0.04	0.12	0.16	0.04	0.12	0.16		1,178.98		0.05		1,180.03

3.5 Building Construction - 2014

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	4.58	30.46	21.96	0.04		1.60	1.60		1.60	1.60		4,085.13		0.41		4,093.71
Total	4.58	30.46	21.96	0.04		1.60	1.60		1.60	1.60		4,085.13		0.41		4,093.71

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	0.25	2.92	1.69	0.00	0.17	0.09	0.26	0.01	0.09	0.11		497.08		0.01		497.34
Worker	5.05	6.10	61.37	0.11	13.44	0.46	13.90	0.50	0.46	0.96		10,485.58		0.62		10,498.57
Total	5.30	9.02	63.06	0.11	13.61	0.55	14.16	0.51	0.55	1.07		10,982.66		0.63		10,995.91

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	4.58	30.46	21.96	0.04		1.60	1.60		1.60	1.60	0.00	4,085.13		0.41		4,093.71
Total	4.58	30.46	21.96	0.04		1.60	1.60		1.60	1.60	0.00	4,085.13		0.41		4,093.71

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	0.25	2.92	1.69	0.00	0.01	0.09	0.11	0.01	0.09	0.11		497.08		0.01		497.34
Worker	5.05	6.10	61.37	0.11	0.50	0.46	0.96	0.50	0.46	0.96		10,485.58		0.62		10,498.57
Total	5.30	9.02	63.06	0.11	0.51	0.55	1.07	0.51	0.55	1.07		10,982.66		0.63		10,995.91

3.5 Building Construction - 2015

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	4.21	27.56	21.66	0.04		1.43	1.43		1.43	1.43		4,085.13		0.38		4,093.06
Total	4.21	27.56	21.66	0.04		1.43	1.43		1.43	1.43		4,085.13		0.38		4,093.06

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	0.23	2.72	1.56	0.00	0.17	0.09	0.25	0.01	0.09	0.10		497.86		0.01		498.10
Worker	4.72	5.60	56.54	0.11	13.44	0.46	13.90	0.50	0.46	0.96		10,247.76		0.58		10,259.89
Total	4.95	8.32	58.10	0.11	13.61	0.55	14.15	0.51	0.55	1.06		10,745.62		0.59		10,757.99

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	4.21	27.56	21.66	0.04		1.43	1.43		1.43	1.43	0.00	4,085.13		0.38		4,093.06
Total	4.21	27.56	21.66	0.04		1.43	1.43		1.43	1.43	0.00	4,085.13		0.38		4,093.06

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	0.23	2.72	1.56	0.00	0.01	0.09	0.10	0.01	0.09	0.10		497.86		0.01		498.10
Worker	4.72	5.60	56.54	0.11	0.50	0.46	0.96	0.50	0.46	0.96		10,247.76		0.58		10,259.89
Total	4.95	8.32	58.10	0.11	0.51	0.55	1.06	0.51	0.55	1.06		10,745.62		0.59		10,757.99

3.5 Building Construction - 2016

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	3.88	24.90	21.41	0.04		1.28	1.28		1.28	1.28		4,085.13		0.35		4,092.38
Total	3.88	24.90	21.41	0.04		1.28	1.28		1.28	1.28		4,085.13		0.35		4,092.38

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	0.22	2.55	1.45	0.00	0.17	0.08	0.25	0.01	0.08	0.09		498.61		0.01		498.83
Worker	4.44	5.16	52.23	0.11	13.44	0.46	13.90	0.50	0.46	0.96		10,001.68		0.54		10,012.99
Total	4.66	7.71	53.68	0.11	13.61	0.54	14.15	0.51	0.54	1.05		10,500.29		0.55		10,511.82

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	3.88	24.90	21.41	0.04		1.28	1.28		1.28	1.28	0.00	4,085.13		0.35		4,092.38
Total	3.88	24.90	21.41	0.04		1.28	1.28		1.28	1.28	0.00	4,085.13		0.35		4,092.38

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	0.22	2.55	1.45	0.00	0.01	0.08	0.09	0.01	0.08	0.09		498.61		0.01		498.83
Worker	4.44	5.16	52.23	0.11	0.50	0.46	0.96	0.50	0.46	0.96		10,001.68		0.54		10,012.99
Total	4.66	7.71	53.68	0.11	0.51	0.54	1.05	0.51	0.54	1.05		10,500.29		0.55		10,511.82

3.6 Paving - 2015

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	4.89	30.10	20.54	0.03		2.54	2.54		2.54	2.54		2,917.65		0.44		2,926.87
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	4.89	30.10	20.54	0.03		2.54	2.54		2.54	2.54		2,917.65		0.44		2,926.87

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	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	0.00	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	0.00	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 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	4.89	30.10	20.54	0.03		2.54	2.54		2.54	2.54	0.00	2,917.65		0.44		2,926.87
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	4.89	30.10	20.54	0.03		2.54	2.54		2.54	2.54	0.00	2,917.65		0.44		2,926.87

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	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	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00

3.6 Paving - 2016

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	4.58	28.21	20.38	0.03		2.35	2.35		2.35	2.35		2,917.64		0.41		2,926.29
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	4.58	28.21	20.38	0.03		2.35	2.35		2.35	2.35		2,917.64		0.41		2,926.29

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	0.00	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	0.00	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 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	4.58	28.21	20.38	0.03		2.35	2.35		2.35	2.35	0.00	2,917.64		0.41		2,926.29
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	4.58	28.21	20.38	0.03		2.35	2.35		2.35	2.35	0.00	2,917.64		0.41		2,926.29

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	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00

3.7 Architectural Coating - 2016

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	67.86					0.00	0.00		0.00	0.00						0.00
Off-Road	0.37	2.37	1.88	0.00		0.20	0.20		0.20	0.20		281.19		0.03		281.89
Total	68.23	2.37	1.88	0.00		0.20	0.20		0.20	0.20		281.19		0.03		281.89

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	0.00	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	0.00	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 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	67.86					0.00	0.00		0.00	0.00						0.00
Off-Road	0.37	2.37	1.88	0.00		0.20	0.20		0.20	0.20	0.00	281.19		0.03		281.89
Total	68.23	2.37	1.88	0.00		0.20	0.20		0.20	0.20	0.00	281.19		0.03		281.89

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	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00

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	3.39	7.16	33.38	0.06	7.11	0.36	7.47	1.19	0.36	1.54		5,148.95		0.24		5,153.99
Unmitigated	3.39	7.16	33.38	0.06	7.11	0.36	7.47	1.19	0.36	1.54		5,148.95		0.24		5,153.99
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
Hospital	397.20	624.17	624.17	1,580,697	1,580,697
Total	397.20	624.17	624.17	1,358,845	1,580,697

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
Hospital	14.70	6.60	6.60	64.90	16.10	19.00

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	0.44	4.03	3.39	0.02		0.00	0.31		0.00	0.31		4,840.76		0.09	0.09	4,870.22
NaturalGas Unmitigated	0.44	4.03	3.39	0.02		0.00	0.31		0.00	0.31		4,840.76		0.09	0.09	4,870.22
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					
Hospital	41146.4	0.44	4.03	3.39	0.02		0.00	0.31		0.00	0.31		4,840.76		0.09	0.09	4,870.22
Total		0.44	4.03	3.39	0.02		0.00	0.31		0.00	0.31		4,840.76		0.09	0.09	4,870.22

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					
Hospital	41.1464	0.44	4.03	3.39	0.02		0.00	0.31		0.00	0.31		4,840.76		0.09	0.09	4,870.22
Total		0.44	4.03	3.39	0.02		0.00	0.31		0.00	0.31		4,840.76		0.09	0.09	4,870.22

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	7.16	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Unmitigated	7.16	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	1.64					0.00	0.00		0.00	0.00						0.00
Consumer Products	5.52					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	7.16	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	1.64					0.00	0.00		0.00	0.00						0.00
Consumer Products	5.52					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	7.16	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

**CDCR RJ Donovan Single Facility
San Diego County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Hospital	257.92	1000sqft

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)		Utility Company	San Diego Gas & Electric
Climate Zone	13		2.6		
		Precipitation Freq (Days)			
			40		

1.3 User Entered Comments

- Project Characteristics -
- Land Use - Disturbance area - 62.68 acres
- Construction Phase - 23 months construction schedule
- Off-road Equipment - Equipment information from client
- Off-road Equipment - Equipment list from CDCR
- Load factors adjusted based on ARB off-road diesel regulation
- Off-road Equipment - Equipment list from CDCR
- Load factors adjusted based on ARB off-road diesel regulation
- Off-road Equipment - Equipment list from CDCR
- Load factors adjusted based on ARB off-road diesel regulation
- Off-road Equipment - Equipment list from CDCR
- Load factors adjusted based on ARB off-road diesel regulation
- Grading - Data from CDCR
- Trips and VMT - Based on data from other CDCR projects
- Vehicle Trips - Based on trip generation data
- Landscape Equipment - Southern California

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					
2014	20.87	153.95	115.32	0.24	95.69	6.72	102.41	7.08	6.72	13.80	0.00	25,009.57	0.00	1.83	0.00	25,048.10
2015	14.56	66.55	96.40	0.18	14.67	4.52	18.13	0.56	4.52	5.04	0.00	17,862.25	0.00	1.38	0.00	17,891.16
2016	81.81	63.70	93.67	0.18	13.61	4.37	17.97	0.51	4.37	4.88	0.00	17,002.92	0.00	1.31	0.00	17,030.49
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					
2014	20.87	153.95	115.32	0.24	17.80	6.72	24.51	7.08	6.72	13.80	0.00	25,009.57	0.00	1.83	0.00	25,048.10
2015	14.56	66.55	96.40	0.18	0.56	4.52	5.04	0.56	4.52	5.04	0.00	17,862.25	0.00	1.38	0.00	17,891.16
2016	81.81	63.70	93.67	0.18	0.51	4.37	4.88	0.51	4.37	4.88	0.00	17,002.92	0.00	1.31	0.00	17,030.49
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	7.16	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Energy	0.44	4.03	3.39	0.02		0.00	0.31		0.00	0.31		4,840.76		0.09	0.09	4,870.22
Mobile	3.61	7.48	32.51	0.06	7.11	0.36	7.47	1.19	0.36	1.54		5,148.95		0.24		5,153.99
Total	11.21	11.51	35.90	0.08	7.11	0.36	7.78	1.19	0.36	1.85		9,989.71		0.33	0.09	10,024.21

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	7.16	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Energy	0.44	4.03	3.39	0.02		0.00	0.31		0.00	0.31		4,840.76		0.09	0.09	4,870.22
Mobile	3.61	7.48	32.51	0.06	7.11	0.36	7.47	1.19	0.36	1.54		5,148.95		0.24		5,153.99
Total	11.21	11.51	35.90	0.08	7.11	0.36	7.78	1.19	0.36	1.85		9,989.71		0.33	0.09	10,024.21

3.0 Construction Detail

3.1 Mitigation Measures Construction

3.2 Demolition and Site Preparation - 2014

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					0.76	0.00	0.76	0.00	0.00	0.00						0.00
Off-Road	6.22	50.31	27.93	0.06		2.33	2.33		2.33	2.33		6,147.12		0.56		6,158.79
Total	6.22	50.31	27.93	0.06	0.76	2.33	3.09	0.00	2.33	2.33		6,147.12		0.56		6,158.79

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	0.31	3.69	1.83	0.01	7.00	0.13	7.13	0.02	0.13	0.15		574.56		0.02		574.87
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	0.42	0.50	4.31	0.01	1.02	0.03	1.05	0.04	0.03	0.07		730.72		0.04		731.66
Total	0.73	4.19	6.14	0.02	8.02	0.16	8.18	0.06	0.16	0.22		1,305.28		0.06		1,306.53

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					0.76	0.00	0.76	0.00	0.00	0.00						0.00
Off-Road	6.22	50.31	27.93	0.06		2.33	2.33		2.33	2.33	0.00	6,147.12		0.56		6,158.79
Total	6.22	50.31	27.93	0.06	0.76	2.33	3.09	0.00	2.33	2.33	0.00	6,147.12		0.56		6,158.79

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	0.31	3.69	1.83	0.01	0.02	0.13	0.15	0.02	0.13	0.15		574.56		0.02		574.87
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	0.42	0.50	4.31	0.01	0.04	0.03	0.07	0.04	0.03	0.07		730.72		0.04		731.66
Total	0.73	4.19	6.14	0.02	0.06	0.16	0.22	0.06	0.16	0.22		1,305.28		0.06		1,306.53

3.3 Grading - 2014

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					16.59	0.00	16.59	6.63	0.00	6.63						0.00
Off-Road	8.99	73.84	39.00	0.08		3.17	3.17		3.17	3.17		8,816.72		0.80		8,833.62
Total	8.99	73.84	39.00	0.08	16.59	3.17	19.76	6.63	3.17	9.80		8,816.72		0.80		8,833.62

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	1.86	21.94	10.90	0.03	62.94	0.80	63.74	0.12	0.80	0.91		3,420.81		0.09		3,422.71
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
Worker	3.06	3.68	31.35	0.05	7.39	0.25	7.64	0.28	0.25	0.53		5,319.64		0.32		5,326.45
Total	4.92	25.62	42.25	0.08	70.33	1.05	71.38	0.40	1.05	1.44		8,740.45		0.41		8,749.16

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					16.59	0.00	16.59	6.63	0.00	6.63						0.00
Off-Road	8.99	73.84	39.00	0.08		3.17	3.17		3.17	3.17	0.00	8,816.72		0.80		8,833.62
Total	8.99	73.84	39.00	0.08	16.59	3.17	19.76	6.63	3.17	9.80	0.00	8,816.72		0.80		8,833.62

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	1.86	21.94	10.90	0.03	0.12	0.80	0.91	0.12	0.80	0.91		3,420.81		0.09		3,422.71
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
Worker	3.06	3.68	31.35	0.05	0.28	0.25	0.53	0.28	0.25	0.53		5,319.64		0.32		5,326.45
Total	4.92	25.62	42.25	0.08	0.40	1.05	1.44	0.40	1.05	1.44		8,740.45		0.41		8,749.16

3.4 Utilities - 2014

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	2.95	23.30	14.77	0.03		1.09	1.09		1.09	1.09		2,708.56		0.26		2,714.08
Total	2.95	23.30	14.77	0.03		1.09	1.09		1.09	1.09		2,708.56		0.26		2,714.08

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	0.27	2.96	1.94	0.00	0.17	0.10	0.26	0.01	0.10	0.11		492.67		0.01		492.94
Worker	0.37	0.44	3.79	0.01	0.89	0.03	0.92	0.03	0.03	0.06		643.03		0.04		643.86
Total	0.64	3.40	5.73	0.01	1.06	0.13	1.18	0.04	0.13	0.17		1,135.70		0.05		1,136.80

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	2.95	23.30	14.77	0.03		1.09	1.09		1.09	1.09	0.00	2,708.56		0.26		2,714.08
Total	2.95	23.30	14.77	0.03		1.09	1.09		1.09	1.09	0.00	2,708.56		0.26		2,714.08

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	0.27	2.96	1.94	0.00	0.01	0.10	0.11	0.01	0.10	0.11		492.67		0.01		492.94
Worker	0.37	0.44	3.79	0.01	0.03	0.03	0.06	0.03	0.03	0.06		643.03		0.04		643.86
Total	0.64	3.40	5.73	0.01	0.04	0.13	0.17	0.04	0.13	0.17		1,135.70		0.05		1,136.80

3.4 Utilities - 2015

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	2.78	21.37	14.30	0.03		0.99	0.99		0.99	0.99		2,708.56		0.25		2,713.78
Total	2.78	21.37	14.30	0.03		0.99	0.99		0.99	0.99		2,708.56		0.25		2,713.78

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	0.25	2.75	1.80	0.00	0.17	0.09	0.26	0.01	0.09	0.10		493.36		0.01		493.61
Worker	0.35	0.41	3.48	0.01	0.89	0.03	0.92	0.03	0.03	0.06		628.33		0.04		629.10
Total	0.60	3.16	5.28	0.01	1.06	0.12	1.18	0.04	0.12	0.16		1,121.69		0.05		1,122.71

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	2.78	21.37	14.30	0.03		0.99	0.99		0.99	0.99	0.00	2,708.56		0.25		2,713.78
Total	2.78	21.37	14.30	0.03		0.99	0.99		0.99	0.99	0.00	2,708.56		0.25		2,713.78

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	0.25	2.75	1.80	0.00	0.01	0.09	0.10	0.01	0.09	0.10		493.36		0.01		493.61
Worker	0.35	0.41	3.48	0.01	0.03	0.03	0.06	0.03	0.03	0.06		628.33		0.04		629.10
Total	0.60	3.16	5.28	0.01	0.04	0.12	0.16	0.04	0.12	0.16		1,121.69		0.05		1,122.71

3.5 Building Construction - 2014

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	4.58	30.46	21.96	0.04		1.60	1.60		1.60	1.60		4,085.13		0.41		4,093.71
Total	4.58	30.46	21.96	0.04		1.60	1.60		1.60	1.60		4,085.13		0.41		4,093.71

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	0.27	2.96	1.94	0.00	0.17	0.10	0.26	0.01	0.10	0.11		492.67		0.01		492.94
Worker	5.57	6.68	57.01	0.10	13.44	0.46	13.90	0.50	0.46	0.96		9,674.72		0.59		9,687.12
Total	5.84	9.64	58.95	0.10	13.61	0.56	14.16	0.51	0.56	1.07		10,167.39		0.60		10,180.06

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					
Off-Road	4.58	30.46	21.96	0.04		1.60	1.60		1.60	1.60	0.00	4,085.13		0.41		4,093.71
Total	4.58	30.46	21.96	0.04		1.60	1.60		1.60	1.60	0.00	4,085.13		0.41		4,093.71

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	0.27	2.96	1.94	0.00	0.01	0.10	0.11	0.01	0.10	0.11		492.67		0.01		492.94
Worker	5.57	6.68	57.01	0.10	0.50	0.46	0.96	0.50	0.46	0.96		9,674.72		0.59		9,687.12
Total	5.84	9.64	58.95	0.10	0.51	0.56	1.07	0.51	0.56	1.07		10,167.39		0.60		10,180.06

3.5 Building Construction - 2015

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	4.21	27.56	21.66	0.04		1.43	1.43		1.43	1.43		4,085.13		0.38		4,093.06
Total	4.21	27.56	21.66	0.04		1.43	1.43		1.43	1.43		4,085.13		0.38		4,093.06

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	0.25	2.75	1.80	0.00	0.17	0.09	0.26	0.01	0.09	0.10		493.36		0.01		493.61
Worker	5.21	6.14	52.40	0.10	13.44	0.46	13.90	0.50	0.46	0.96		9,453.52		0.55		9,465.03
Total	5.46	8.89	54.20	0.10	13.61	0.55	14.16	0.51	0.55	1.06		9,946.88		0.56		9,958.64

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	4.21	27.56	21.66	0.04		1.43	1.43		1.43	1.43	0.00	4,085.13		0.38		4,093.06
Total	4.21	27.56	21.66	0.04		1.43	1.43		1.43	1.43	0.00	4,085.13		0.38		4,093.06

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	0.25	2.75	1.80	0.00	0.01	0.09	0.10	0.01	0.09	0.10		493.36		0.01		493.61
Worker	5.21	6.14	52.40	0.10	0.50	0.46	0.96	0.50	0.46	0.96		9,453.52		0.55		9,465.03
Total	5.46	8.89	54.20	0.10	0.51	0.55	1.06	0.51	0.55	1.06		9,946.88		0.56		9,958.64

3.5 Building Construction - 2016

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	3.88	24.90	21.41	0.04		1.28	1.28		1.28	1.28		4,085.13		0.35		4,092.38
Total	3.88	24.90	21.41	0.04		1.28	1.28		1.28	1.28		4,085.13		0.35		4,092.38

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	0.23	2.57	1.69	0.00	0.17	0.08	0.25	0.01	0.08	0.10		494.01		0.01		494.25
Worker	4.89	5.65	48.31	0.10	13.44	0.46	13.90	0.50	0.46	0.96		9,224.94		0.51		9,235.69
Total	5.12	8.22	50.00	0.10	13.61	0.54	14.15	0.51	0.54	1.06		9,718.95		0.52		9,729.94

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	3.88	24.90	21.41	0.04		1.28	1.28		1.28	1.28	0.00	4,085.13		0.35		4,092.38
Total	3.88	24.90	21.41	0.04		1.28	1.28		1.28	1.28	0.00	4,085.13		0.35		4,092.38

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	0.23	2.57	1.69	0.00	0.01	0.08	0.10	0.01	0.08	0.10		494.01		0.01		494.25
Worker	4.89	5.65	48.31	0.10	0.50	0.46	0.96	0.50	0.46	0.96		9,224.94		0.51		9,235.69
Total	5.12	8.22	50.00	0.10	0.51	0.54	1.06	0.51	0.54	1.06		9,718.95		0.52		9,729.94

3.6 Paving - 2015

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	4.89	30.10	20.54	0.03		2.54	2.54		2.54	2.54		2,917.65		0.44		2,926.87
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	4.89	30.10	20.54	0.03		2.54	2.54		2.54	2.54		2,917.65		0.44		2,926.87

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	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	0.00	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	0.00	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 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	4.89	30.10	20.54	0.03		2.54	2.54		2.54	2.54	0.00	2,917.65		0.44		2,926.87
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	4.89	30.10	20.54	0.03		2.54	2.54		2.54	2.54	0.00	2,917.65		0.44		2,926.87

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	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	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00

3.6 Paving - 2016

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	4.58	28.21	20.38	0.03		2.35	2.35		2.35	2.35		2,917.64		0.41		2,926.29
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	4.58	28.21	20.38	0.03		2.35	2.35		2.35	2.35		2,917.64		0.41		2,926.29

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	0.00	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	0.00	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 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	4.58	28.21	20.38	0.03		2.35	2.35		2.35	2.35	0.00	2,917.64		0.41		2,926.29
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	4.58	28.21	20.38	0.03		2.35	2.35		2.35	2.35	0.00	2,917.64		0.41		2,926.29

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	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00

3.7 Architectural Coating - 2016

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	67.86					0.00	0.00		0.00	0.00						0.00
Off-Road	0.37	2.37	1.88	0.00		0.20	0.20		0.20	0.20		281.19		0.03		281.89
Total	68.23	2.37	1.88	0.00		0.20	0.20		0.20	0.20		281.19		0.03		281.89

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	0.00	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	0.00	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 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	67.86					0.00	0.00		0.00	0.00						0.00
Off-Road	0.37	2.37	1.88	0.00		0.20	0.20		0.20	0.20	0.00	281.19		0.03		281.89
Total	68.23	2.37	1.88	0.00		0.20	0.20		0.20	0.20	0.00	281.19		0.03		281.89

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	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00

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	3.61	7.48	32.51	0.06	7.11	0.36	7.47	1.19	0.36	1.54		5,148.95		0.24		5,153.99
Unmitigated	3.61	7.48	32.51	0.06	7.11	0.36	7.47	1.19	0.36	1.54		5,148.95		0.24		5,153.99
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
Hospital	397.20	624.17	624.17	1,580,697	1,580,697
Total	397.20	624.17	624.17	1,580,697	1,580,697

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
Hospital	14.70	6.60	6.60	64.90	16.10	19.00

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	0.44	4.03	3.39	0.02		0.00	0.31		0.00	0.31		4,840.76		0.09	0.09	4,870.22
NaturalGas Unmitigated	0.44	4.03	3.39	0.02		0.00	0.31		0.00	0.31		4,840.76		0.09	0.09	4,870.22
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					
Hospital	41146.4	0.44	4.03	3.39	0.02		0.00	0.31		0.00	0.31		4,840.76		0.09	0.09	4,870.22
Total		0.44	4.03	3.39	0.02		0.00	0.31		0.00	0.31		4,840.76		0.09	0.09	4,870.22

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					
Hospital	41.1464	0.44	4.03	3.39	0.02		0.00	0.31		0.00	0.31		4,840.76		0.09	0.09	4,870.22
Total		0.44	4.03	3.39	0.02		0.00	0.31		0.00	0.31		4,840.76		0.09	0.09	4,870.22

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	7.16	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Unmitigated	7.16	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	1.64					0.00	0.00		0.00	0.00						0.00
Consumer Products	5.52					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	7.16	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00

	ROG	NOx	CO	SO2	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	1.64					0.00	0.00		0.00	0.00						0.00
Consumer Products	5.52					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	7.16	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

**CDCR RJ Donovan Double Facility
San Diego County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Hospital	580.851	1000sqft

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)		Utility Company	San Diego Gas & Electric
Climate Zone	13		2.6		
		Precipitation Freq (Days)			

1.3 User Entered Comments

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- Project Characteristics -
- Land Use - Disturbance area - 89.4 acres
- Construction Phase - 23 months construction schedule
- Off-road Equipment - Equipment list from CDCR
- Load factors adjusted based on ARB off-road diesel regulation
- Off-road Equipment - Equipment information from client
- Off-road Equipment - Equipment list from CDCR
- Load factors adjusted based on ARB off-road diesel regulation
- Off-road Equipment - Equipment list from CDCR
- Load factors adjusted based on ARB off-road diesel regulation
- Off-road Equipment - Equipment list from CDCR
- Load factors adjusted based on ARB off-road diesel regulation
- Trips and VMT - Based on data from other CDCR projects
- Grading - Data from CDCR
- Vehicle Trips - Based on trip generation data
- Landscape Equipment - Southern California

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					
2014	28.75	200.82	199.67	0.39	190.17	8.71	198.88	7.64	8.71	16.35	0.00	40,277.29	0.00	2.62	0.00	40,332.30
2015	22.57	91.10	187.43	0.36	30.42	4.98	35.40	1.14	4.98	6.13	0.00	34,241.99	0.00	2.35	0.00	34,291.27
2016	175.98	93.38	183.68	0.37	30.42	6.22	36.64	1.14	6.22	7.37	0.00	34,127.63	0.00	2.38	0.00	34,177.63
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					
2014	28.75	200.82	199.67	0.39	178.12	8.71	186.83	3.59	8.71	12.30	0.00	40,277.29	0.00	2.62	0.00	40,332.30
2015	22.57	91.10	187.43	0.36	30.42	4.98	35.40	1.14	4.98	6.13	0.00	34,241.99	0.00	2.35	0.00	34,291.27
2016	175.98	93.38	183.68	0.37	30.42	6.22	36.64	1.14	6.22	7.37	0.00	34,127.63	0.00	2.38	0.00	34,177.63
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	16.12	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00			0.00
Energy	1.00	9.08	7.63	0.05		0.00	0.69		0.00	0.69		10,901.84		0.21	0.20		10,968.19
Mobile	5.24	11.07	51.57	0.09	10.94	0.54	11.48	1.84	0.55	2.39		8,376.62		0.37			8,384.38
Total	22.36	20.15	59.20	0.14	10.94	0.54	12.17	1.84	0.55	3.08		19,278.46		0.58	0.20		19,352.57

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	16.12	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00			0.00
Energy	1.00	9.08	7.63	0.05		0.00	0.69		0.00	0.69		10,901.84		0.21	0.20		10,968.19
Mobile	5.24	11.07	51.57	0.09	10.94	0.54	11.48	1.84	0.55	2.39		8,376.62		0.37			8,384.38
Total	22.36	20.15	59.20	0.14	10.94	0.54	12.17	1.84	0.55	3.08		19,278.46		0.58	0.20		19,352.57

3.0 Construction Detail

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition and Site Preparation - 2014

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					1.26	0.00	1.26	0.00	0.00	0.00							0.00
Off-Road	6.64	53.39	27.13	0.06		2.41	2.41		2.41	2.41		6,499.11		0.59			6,511.57
Total	6.64	53.39	27.13	0.06	1.26	2.41	3.67	0.00	2.41	2.41		6,499.11		0.59			6,511.57

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	0.51	6.00	2.80	0.01	11.67	0.22	11.89	0.03	0.22	0.25		962.72		0.02		963.23
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	0.86	1.03	10.38	0.02	2.27	0.08	2.35	0.08	0.08	0.16		1,773.99		0.10		1,776.19
Total	1.37	7.03	13.18	0.03	13.94	0.30	14.24	0.11	0.30	0.41		2,736.71		0.12		2,739.42

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					0.49	0.00	0.49	0.00	0.00	0.00							0.00
Off-Road	6.64	53.39	27.13	0.06		2.41	2.41		2.41	2.41	0.00	6,499.11		0.59			6,511.57
Total	6.64	53.39	27.13	0.06	0.49	2.41	2.90	0.00	2.41	2.41	0.00	6,499.11		0.59			6,511.57

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	0.51	6.00	2.80	0.01	11.67	0.22	11.89	0.03	0.22	0.25		962.72		0.02		963.23
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	0.86	1.03	10.38	0.02	2.27	0.08	2.35	0.08	0.08	0.16		1,773.99		0.10		1,776.19
Total	1.37	7.03	13.18	0.03	13.94	0.30	14.24	0.11	0.30	0.41		2,736.71		0.12		2,739.42

3.3 Grading - 2014

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					18.50	0.00	18.50	6.64	0.00	6.64						0.00
Off-Road	10.48	85.24	45.28	0.10		3.69	3.69		3.69	3.69		10,442.48		0.94		10,462.16
Total	10.48	85.24	45.28	0.10	18.50	3.69	22.19	6.64	3.69	10.33		10,442.48		0.94		10,462.16

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	4.02	47.63	22.20	0.07	139.86	1.75	141.62	0.26	1.75	2.01		7,642.49		0.20		7,646.58
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	6.25	7.54	75.84	0.13	16.61	0.57	17.17	0.62	0.57	1.19		12,956.50		0.76		12,972.56
Total	10.27	55.17	98.04	0.20	156.47	2.32	158.79	0.88	2.32	3.20		20,598.99		0.96		20,619.14

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					7.21	0.00	7.21	2.59	0.00	2.59						0.00
Off-Road	10.48	85.24	45.28	0.10		3.69	3.69		3.69	3.69	0.00	10,442.48		0.94		10,462.16
Total	10.48	85.24	45.28	0.10	7.21	3.69	10.90	2.59	3.69	6.28	0.00	10,442.48		0.94		10,462.16

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	4.02	47.63	22.20	0.07	139.86	1.75	141.62	0.26	1.75	2.01		7,642.49		0.20		7,646.58
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	6.25	7.54	75.84	0.13	16.61	0.57	17.17	0.62	0.57	1.19		12,956.50		0.76		12,972.56
Total	10.27	55.17	98.04	0.20	156.47	2.32	158.79	0.88	2.32	3.20		20,598.99		0.96		20,619.14

3.4 Utilities - 2014

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	2.95	23.30	14.77	0.03		1.09	1.09		1.09	1.09		2,708.56		0.26		2,714.08
Total	2.95	23.30	14.77	0.03		1.09	1.09		1.09	1.09		2,708.56		0.26		2,714.08

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	0.09	0.66	0.68	0.00	0.00	0.01	0.01	0.00	0.01	0.01		34.94		0.00		35.03
Worker	0.17	0.07	0.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00		16.22		0.00		16.30
Total	0.26	0.73	1.47	0.00	0.00	0.01	0.01	0.00	0.01	0.01		51.16		0.00		51.33

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	2.95	23.30	14.77	0.03		1.09	1.09		1.09	1.09	0.00	2,708.56		0.26		2,714.08
Total	2.95	23.30	14.77	0.03		1.09	1.09		1.09	1.09	0.00	2,708.56		0.26		2,714.08

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	0.09	0.66	0.68	0.00	0.00	0.01	0.01	0.00	0.01	0.01		34.94		0.00		35.03
Worker	0.17	0.07	0.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00		16.22		0.00		16.30
Total	0.26	0.73	1.47	0.00	0.00	0.01	0.01	0.00	0.01	0.01		51.16		0.00		51.33

3.4 Utilities - 2015

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	2.78	21.37	14.30	0.03		0.99	0.99		0.99	0.99		2,708.56		0.25		2,713.78
Total	2.78	21.37	14.30	0.03		0.99	0.99		0.99	0.99		2,708.56		0.25		2,713.78

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	0.08	0.67	0.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00		35.61		0.00		35.70
Worker	0.16	0.06	0.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00		15.91		0.00		15.98
Total	0.24	0.73	1.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00		51.52		0.00		51.68

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	2.78	21.37	14.30	0.03		0.99	0.99		0.99	0.99	0.00	2,708.56		0.25		2,713.78
Total	2.78	21.37	14.30	0.03		0.99	0.99		0.99	0.99	0.00	2,708.56		0.25		2,713.78

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	0.08	0.67	0.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00		35.61		0.00		35.70
Worker	0.16	0.06	0.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00		15.91		0.00		15.98
Total	0.24	0.73	1.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00		51.52		0.00		51.68

3.5 Building Construction - 2014

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	9.46	59.18	43.61	0.08		3.20	3.20		3.20	3.20		7,918.86		0.84		7,936.58
Total	9.46	59.18	43.61	0.08		3.20	3.20		3.20	3.20		7,918.86		0.84		7,936.58

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	0.25	2.92	1.69	0.00	0.17	0.09	0.26	0.01	0.09	0.11		497.08		0.01		497.34
Worker	11.38	13.73	138.14	0.25	30.25	1.03	31.28	1.13	1.03	2.16		23,600.47		1.39		23,629.72
Total	11.63	16.65	139.83	0.25	30.42	1.12	31.54	1.14	1.12	2.27		24,097.55		1.40		24,127.06

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					
Off-Road	9.46	59.18	43.61	0.08		3.20	3.20		3.20	3.20	0.00	7,918.86		0.84		7,936.58
Total	9.46	59.18	43.61	0.08		3.20	3.20		3.20	3.20	0.00	7,918.86		0.84		7,936.58

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	0.25	2.92	1.69	0.00	0.17	0.09	0.26	0.01	0.09	0.11		497.08		0.01		497.34
Worker	11.38	13.73	138.14	0.25	30.25	1.03	31.28	1.13	1.03	2.16		23,600.47		1.39		23,629.72
Total	11.63	16.65	139.83	0.25	30.42	1.12	31.54	1.14	1.12	2.27		24,097.55		1.40		24,127.06

3.5 Building Construction - 2015

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	8.69	53.67	42.95	0.08		2.86	2.86		2.86	2.86		7,918.86		0.78		7,935.21
Total	8.69	53.67	42.95	0.08		2.86	2.86		2.86	2.86		7,918.86		0.78		7,935.21

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	0.23	2.72	1.56	0.00	0.17	0.09	0.25	0.01	0.09	0.10		497.86		0.01		498.10
Worker	10.63	12.61	127.26	0.25	30.25	1.04	31.29	1.13	1.04	2.17		23,065.20		1.30		23,092.50
Total	10.86	15.33	128.82	0.25	30.42	1.13	31.54	1.14	1.13	2.27		23,563.06		1.31		23,590.60

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	8.69	53.67	42.95	0.08		2.86	2.86		2.86	2.86	0.00	7,918.86		0.78		7,935.21
Total	8.69	53.67	42.95	0.08		2.86	2.86		2.86	2.86	0.00	7,918.86		0.78		7,935.21

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	0.23	2.72	1.56	0.00	0.17	0.09	0.25	0.01	0.09	0.10		497.86		0.01		498.10
Worker	10.63	12.61	127.26	0.25	30.25	1.04	31.29	1.13	1.04	2.17		23,065.20		1.30		23,092.50
Total	10.86	15.33	128.82	0.25	30.42	1.13	31.54	1.14	1.13	2.27		23,563.06		1.31		23,590.60

3.5 Building Construction - 2016
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	7.99	48.63	42.40	0.08		2.56	2.56		2.56	2.56		7,918.85		0.71		7,933.82
Total	7.99	48.63	42.40	0.08		2.56	2.56		2.56	2.56		7,918.85		0.71		7,933.82

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	0.22	2.55	1.45	0.00	0.17	0.08	0.25	0.01	0.08	0.09		498.61		0.01		498.83
Worker	9.98	11.62	117.56	0.25	30.25	1.04	31.29	1.13	1.04	2.17		22,511.33		1.21		22,536.80
Total	10.20	14.17	119.01	0.25	30.42	1.12	31.54	1.14	1.12	2.26		23,009.94		1.22		23,035.63

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	7.99	48.63	42.40	0.08		2.56	2.56		2.56	2.56	0.00	7,918.85		0.71		7,933.82
Total	7.99	48.63	42.40	0.08		2.56	2.56		2.56	2.56	0.00	7,918.85		0.71		7,933.82

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	0.22	2.55	1.45	0.00	0.17	0.08	0.25	0.01	0.08	0.09		498.61		0.01		498.83
Worker	9.98	11.62	117.56	0.25	30.25	1.04	31.29	1.13	1.04	2.17		22,511.33		1.21		22,536.80
Total	10.20	14.17	119.01	0.25	30.42	1.12	31.54	1.14	1.12	2.26		23,009.94		1.22		23,035.63

3.6 Paving - 2016

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	4.58	28.21	20.38	0.03		2.35	2.35		2.35	2.35		2,917.64		0.41		2,926.29
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	4.58	28.21	20.38	0.03		2.35	2.35		2.35	2.35		2,917.64		0.41		2,926.29

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	0.00	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	0.00	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 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	4.58	28.21	20.38	0.03		2.35	2.35		2.35	2.35	0.00	2,917.64		0.41		2,926.29
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	4.58	28.21	20.38	0.03		2.35	2.35		2.35	2.35	0.00	2,917.64		0.41		2,926.29

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	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00

3.7 Architectural Coating - 2016

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	152.84					0.00	0.00		0.00	0.00						0.00
Off-Road	0.37	2.37	1.88	0.00		0.20	0.20		0.20	0.20		281.19		0.03		281.89
Total	153.21	2.37	1.88	0.00		0.20	0.20		0.20	0.20		281.19		0.03		281.89

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	0.00	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	0.00	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 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	152.84					0.00	0.00		0.00	0.00						0.00
Off-Road	0.37	2.37	1.88	0.00		0.20	0.20		0.20	0.20	0.00	281.19		0.03		281.89
Total	153.21	2.37	1.88	0.00		0.20	0.20		0.20	0.20	0.00	281.19		0.03		281.89

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	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00

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	5.24	11.07	51.57	0.09	10.94	0.54	11.48	1.84	0.55	2.39		8,376.62		0.37		8,384.38
Unmitigated	5.24	11.07	51.57	0.09	10.94	0.54	11.48	1.84	0.55	2.39		8,376.62		0.37		8,384.38
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
Hospital	766.72	964.21	964.21	2,816,060	2,816,060
Total	766.72	964.21	964.21	2,816,060	2,816,060

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
Hospital	14.70	6.60	6.60	64.90	16.10	19.00

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	1.00	9.08	7.63	0.05		0.00	0.69		0.00	0.69		10,901.84		0.21	0.20	10,968.19
NaturalGas Unmitigated	1.00	9.08	7.63	0.05		0.00	0.69		0.00	0.69		10,901.84		0.21	0.20	10,968.19
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					
Hospital	92665.6	1.00	9.08	7.63	0.05		0.00	0.69		0.00	0.69		10,901.84		0.21	0.20	10,968.19
Total		1.00	9.08	7.63	0.05		0.00	0.69		0.00	0.69		10,901.84		0.21	0.20	10,968.19

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					
Hospital	92.6656	1.00	9.08	7.63	0.05		0.00	0.69		0.00	0.69		10,901.84		0.21	0.20	10,968.19
Total		1.00	9.08	7.63	0.05		0.00	0.69		0.00	0.69		10,901.84		0.21	0.20	10,968.19

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	16.12	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Unmitigated	16.12	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	3.68					0.00	0.00		0.00	0.00						0.00
Consumer Products	12.43					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	16.11	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	3.68					0.00	0.00		0.00	0.00						0.00
Consumer Products	12.43					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	16.11	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

**CDCR RJ Donovan Double Facility
San Diego County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Hospital	580.851	1000sqft

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	Utility Company	San Diego Gas & Electric
Climate Zone	13	2.6		
		Precipitation Freq (Days)		
		40		

1.3 User Entered Comments

- Project Characteristics -
- Land Use - Disturbance area - 89.4 acres
- Construction Phase - 23 months construction schedule
- Off-road Equipment - Equipment list from CDCR
- Load factors adjusted based on ARB off-road diesel regulation
- Off-road Equipment - Equipment information from client
- Off-road Equipment - Equipment list from CDCR
- Load factors adjusted based on ARB off-road diesel regulation
- Off-road Equipment - Equipment list from CDCR
- Load factors adjusted based on ARB off-road diesel regulation
- Off-road Equipment - Equipment list from CDCR
- Load factors adjusted based on ARB off-road diesel regulation
- Trips and VMT - Based on data from other CDCR projects
- Grading - Data from CDCR
- Vehicle Trips - Based on trip generation data
- Landscape Equipment - Southern California

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					
2014	29.59	202.91	190.60	0.38	190.17	8.73	198.90	7.64	8.73	16.37	0.00	39,092.36	0.00	2.59	0.00	39,146.66
2015	23.69	92.30	178.85	0.34	30.42	4.99	35.41	1.14	4.99	6.13	0.00	32,445.34	0.00	2.28	0.00	32,493.28
2016	177.02	94.50	175.08	0.34	30.42	6.22	36.64	1.14	6.22	7.37	0.00	32,374.79	0.00	2.32	0.00	32,423.52
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					
2014	29.59	202.91	190.60	0.38	178.12	8.73	186.85	3.59	8.73	12.32	0.00	39,092.36	0.00	2.59	0.00	39,146.66
2015	23.69	92.30	178.85	0.34	30.42	4.99	35.41	1.14	4.99	6.13	0.00	32,445.34	0.00	2.28	0.00	32,493.28
2016	177.02	94.50	175.08	0.34	30.42	6.22	36.64	1.14	6.22	7.37	0.00	32,374.79	0.00	2.32	0.00	32,423.52
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	16.12	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Energy	1.00	9.08	7.63	0.05		0.00	0.69		0.00	0.69		10,901.84		0.21	0.20	10,968.19
Mobile	5.58	11.56	50.23	0.09	10.94	0.55	11.48	1.84	0.55	2.39		7,954.09		0.37		7,961.89
Total	22.70	20.64	57.86	0.14	10.94	0.55	12.17	1.84	0.55	3.08		18,855.93		0.58	0.20	18,930.08

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	16.12	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Energy	1.00	9.08	7.63	0.05		0.00	0.69		0.00	0.69		10,901.84		0.21	0.20	10,968.19
Mobile	5.58	11.56	50.23	0.09	10.94	0.55	11.48	1.84	0.55	2.39		7,954.09		0.37		7,961.89
Total	22.70	20.64	57.86	0.14	10.94	0.55	12.17	1.84	0.55	3.08		18,855.93		0.58	0.20	18,930.08

3.0 Construction Detail

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition and Site Preparation - 2014

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					1.26	0.00	1.26	0.00	0.00	0.00							0.00
Off-Road	6.64	53.39	27.13	0.06		2.41	2.41		2.41	2.41		6,499.11		0.59			6,511.57
Total	6.64	53.39	27.13	0.06	1.26	2.41	3.67	0.00	2.41	2.41		6,499.11		0.59			6,511.57

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	0.52	6.14	3.05	0.01	11.67	0.22	11.89	0.03	0.22	0.26		957.59		0.03			958.12
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	0.94	1.13	9.64	0.02	2.27	0.08	2.35	0.08	0.08	0.16		1,636.81		0.10			1,638.91
Total	1.46	7.27	12.69	0.03	13.94	0.30	14.24	0.11	0.30	0.42		2,594.40		0.13			2,597.03

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					0.49	0.00	0.49	0.00	0.00	0.00							0.00
Off-Road	6.64	53.39	27.13	0.06		2.41	2.41		2.41	2.41	0.00	6,499.11		0.59			6,511.57
Total	6.64	53.39	27.13	0.06	0.49	2.41	2.90	0.00	2.41	2.41	0.00	6,499.11		0.59			6,511.57

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	0.52	6.14	3.05	0.01	11.67	0.22	11.89	0.03	0.22	0.26		957.59		0.03			958.12
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	0.94	1.13	9.64	0.02	2.27	0.08	2.35	0.08	0.08	0.16		1,636.81		0.10			1,638.91
Total	1.46	7.27	12.69	0.03	13.94	0.30	14.24	0.11	0.30	0.42		2,594.40		0.13			2,597.03

3.3 Grading - 2014

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					18.50	0.00	18.50	6.64	0.00	6.64						0.00
Off-Road	10.48	85.24	45.28	0.10		3.69	3.69		3.69	3.69		10,442.48		0.94		10,462.16
Total	10.48	85.24	45.28	0.10	18.50	3.69	22.19	6.64	3.69	10.33		10,442.48		0.94		10,462.16

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	4.13	48.76	24.23	0.07	139.86	1.77	141.64	0.26	1.77	2.03		7,601.81		0.20		7,606.02
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	6.88	8.26	70.44	0.12	16.61	0.57	17.17	0.62	0.57	1.19		11,954.57		0.73		11,969.88
Total	11.01	57.02	94.67	0.19	156.47	2.34	158.81	0.88	2.34	3.22		19,556.38		0.93		19,575.90

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	lb/day										lb/day					
Fugitive Dust					7.21	0.00	7.21	2.59	0.00	2.59						0.00
Off-Road	10.48	85.24	45.28	0.10		3.69	3.69		3.69	3.69	0.00	10,442.48		0.94		10,462.16
Total	10.48	85.24	45.28	0.10	7.21	3.69	10.90	2.59	3.69	6.28	0.00	10,442.48		0.94		10,462.16

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	4.13	48.76	24.23	0.07	139.86	1.77	141.64	0.26	1.77	2.03		7,601.81		0.20		7,606.02
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	6.88	8.26	70.44	0.12	16.61	0.57	17.17	0.62	0.57	1.19		11,954.57		0.73		11,969.88
Total	11.01	57.02	94.67	0.19	156.47	2.34	158.81	0.88	2.34	3.22		19,556.38		0.93		19,575.90

3.4 Utilities - 2014

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	2.95	23.30	14.77	0.03		1.09	1.09		1.09	1.09		2,708.56		0.26		2,714.08
Total	2.95	23.30	14.77	0.03		1.09	1.09		1.09	1.09		2,708.56		0.26		2,714.08

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	0.10	0.61	0.93	0.00	0.00	0.01	0.01	0.00	0.01	0.01		30.53		0.01		30.64
Worker	0.17	0.08	1.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00		16.22		0.00		16.32
Total	0.27	0.69	1.97	0.00	0.00	0.01	0.01	0.00	0.01	0.01		46.75		0.01		46.96

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	2.95	23.30	14.77	0.03		1.09	1.09		1.09	1.09	0.00	2,708.56		0.26		2,714.08
Total	2.95	23.30	14.77	0.03		1.09	1.09		1.09	1.09	0.00	2,708.56		0.26		2,714.08

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	0.10	0.61	0.93	0.00	0.00	0.01	0.01	0.00	0.01	0.01		30.53		0.01		30.64
Worker	0.17	0.08	1.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00		16.22		0.00		16.32
Total	0.27	0.69	1.97	0.00	0.00	0.01	0.01	0.00	0.01	0.01		46.75		0.01		46.96

3.4 Utilities - 2015

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	2.78	21.37	14.30	0.03		0.99	0.99		0.99	0.99		2,708.56		0.25		2,713.78
Total	2.78	21.37	14.30	0.03		0.99	0.99		0.99	0.99		2,708.56		0.25		2,713.78

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	0.09	0.62	0.88	0.00	0.00	0.01	0.01	0.00	0.01	0.01		31.11		0.00		31.21
Worker	0.16	0.07	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00		15.91		0.00		16.00
Total	0.25	0.69	1.85	0.00	0.00	0.01	0.01	0.00	0.01	0.01		47.02		0.00		47.21

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	2.78	21.37	14.30	0.03		0.99	0.99		0.99	0.99	0.00	2,708.56		0.25		2,713.78
Total	2.78	21.37	14.30	0.03		0.99	0.99		0.99	0.99	0.00	2,708.56		0.25		2,713.78

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	0.09	0.62	0.88	0.00	0.00	0.01	0.01	0.00	0.01	0.01		31.11		0.00		31.21
Worker	0.16	0.07	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00		15.91		0.00		16.00
Total	0.25	0.69	1.85	0.00	0.00	0.01	0.01	0.00	0.01	0.01		47.02		0.00		47.21

3.5 Building Construction - 2014

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	9.46	59.18	43.61	0.08		3.20	3.20		3.20	3.20		7,918.86		0.84		7,936.58
Total	9.46	59.18	43.61	0.08		3.20	3.20		3.20	3.20		7,918.86		0.84		7,936.58

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	0.27	2.96	1.94	0.00	0.17	0.10	0.26	0.01	0.10	0.11		492.67		0.01		492.94
Worker	12.54	15.04	128.31	0.22	30.25	1.03	31.28	1.13	1.03	2.16		21,775.43		1.33		21,803.33
Total	12.81	18.00	130.25	0.22	30.42	1.13	31.54	1.14	1.13	2.27		22,268.10		1.34		22,296.27

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	9.46	59.18	43.61	0.08		3.20	3.20		3.20	3.20	0.00	7,918.86		0.84		7,936.58
Total	9.46	59.18	43.61	0.08		3.20	3.20		3.20	3.20	0.00	7,918.86		0.84		7,936.58

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	0.27	2.96	1.94	0.00	0.17	0.10	0.26	0.01	0.10	0.11		492.67		0.01		492.94
Worker	12.54	15.04	128.31	0.22	30.25	1.03	31.28	1.13	1.03	2.16		21,775.43		1.33		21,803.33
Total	12.81	18.00	130.25	0.22	30.42	1.13	31.54	1.14	1.13	2.27		22,268.10		1.34		22,296.27

3.5 Building Construction - 2015

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	8.69	53.67	42.95	0.08		2.86	2.86		2.86	2.86		7,918.86		0.78		7,935.21
Total	8.69	53.67	42.95	0.08		2.86	2.86		2.86	2.86		7,918.86		0.78		7,935.21

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	0.25	2.75	1.80	0.00	0.17	0.09	0.26	0.01	0.09	0.10		493.36		0.01		493.61
Worker	11.72	13.82	117.94	0.22	30.25	1.04	31.29	1.13	1.04	2.17		21,277.56		1.23		21,303.47
Total	11.97	16.57	119.74	0.22	30.42	1.13	31.55	1.14	1.13	2.27		21,770.92		1.24		21,797.08

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	8.69	53.67	42.95	0.08		2.86	2.86		2.86	2.86	0.00	7,918.86		0.78		7,935.21
Total	8.69	53.67	42.95	0.08		2.86	2.86		2.86	2.86	0.00	7,918.86		0.78		7,935.21

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	0.25	2.75	1.80	0.00	0.17	0.09	0.26	0.01	0.09	0.10		493.36		0.01		493.61
Worker	11.72	13.82	117.94	0.22	30.25	1.04	31.29	1.13	1.04	2.17		21,277.56		1.23		21,303.47
Total	11.97	16.57	119.74	0.22	30.42	1.13	31.55	1.14	1.13	2.27		21,770.92		1.24		21,797.08

3.5 Building Construction - 2016

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	7.99	48.63	42.40	0.08		2.56	2.56		2.56	2.56		7,918.85		0.71		7,933.82
Total	7.99	48.63	42.40	0.08		2.56	2.56		2.56	2.56		7,918.85		0.71		7,933.82

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	0.23	2.57	1.69	0.00	0.17	0.08	0.25	0.01	0.08	0.10		494.01		0.01		494.25
Worker	11.01	12.72	108.73	0.22	30.25	1.04	31.29	1.13	1.04	2.17		20,763.09		1.15		20,787.27
Total	11.24	15.29	110.42	0.22	30.42	1.12	31.54	1.14	1.12	2.27		21,257.10		1.16		21,281.52

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	7.99	48.63	42.40	0.08		2.56	2.56		2.56	2.56	0.00	7,918.85		0.71		7,933.82
Total	7.99	48.63	42.40	0.08		2.56	2.56		2.56	2.56	0.00	7,918.85		0.71		7,933.82

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	0.23	2.57	1.69	0.00	0.17	0.08	0.25	0.01	0.08	0.10		494.01		0.01		494.25
Worker	11.01	12.72	108.73	0.22	30.25	1.04	31.29	1.13	1.04	2.17		20,763.09		1.15		20,787.27
Total	11.24	15.29	110.42	0.22	30.42	1.12	31.54	1.14	1.12	2.27		21,257.10		1.16		21,281.52

3.6 Paving - 2016

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	4.58	28.21	20.38	0.03		2.35	2.35		2.35	2.35		2,917.64		0.41		2,926.29
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	4.58	28.21	20.38	0.03		2.35	2.35		2.35	2.35		2,917.64		0.41		2,926.29

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	0.00	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	0.00	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 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	4.58	28.21	20.38	0.03		2.35	2.35		2.35	2.35	0.00	2,917.64		0.41		2,926.29
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	4.58	28.21	20.38	0.03		2.35	2.35		2.35	2.35	0.00	2,917.64		0.41		2,926.29

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	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00

3.7 Architectural Coating - 2016

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	152.84					0.00	0.00		0.00	0.00						0.00
Off-Road	0.37	2.37	1.88	0.00		0.20	0.20		0.20	0.20		281.19		0.03		281.89
Total	153.21	2.37	1.88	0.00		0.20	0.20		0.20	0.20		281.19		0.03		281.89

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	0.00	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	0.00	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 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	152.84					0.00	0.00		0.00	0.00						0.00
Off-Road	0.37	2.37	1.88	0.00		0.20	0.20		0.20	0.20	0.00	281.19		0.03		281.89
Total	153.21	2.37	1.88	0.00		0.20	0.20		0.20	0.20	0.00	281.19		0.03		281.89

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	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00

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	5.58	11.56	50.23	0.09	10.94	0.55	11.48	1.84	0.55	2.39		7,954.09		0.37		7,961.89
Unmitigated	5.58	11.56	50.23	0.09	10.94	0.55	11.48	1.84	0.55	2.39		7,954.09		0.37		7,961.89
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
Hospital	766.72	964.21	964.21	2,816,060	2,816,060
Total	766.72	964.21	964.21	2,816,060	2,816,060

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
Hospital	14.70	6.60	6.60	64.90	16.10	19.00

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	1.00	9.08	7.63	0.05		0.00	0.69		0.00	0.69		10,901.84		0.21	0.20	10,968.19
NaturalGas Unmitigated	1.00	9.08	7.63	0.05		0.00	0.69		0.00	0.69		10,901.84		0.21	0.20	10,968.19
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					
Hospital	92665.6	1.00	9.08	7.63	0.05		0.00	0.69		0.00	0.69		10,901.84		0.21	0.20	10,968.19
Total		1.00	9.08	7.63	0.05		0.00	0.69		0.00	0.69		10,901.84		0.21	0.20	10,968.19

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					
Hospital	92.6656	1.00	9.08	7.63	0.05		0.00	0.69		0.00	0.69		10,901.84		0.21	0.20	10,968.19
Total		1.00	9.08	7.63	0.05		0.00	0.69		0.00	0.69		10,901.84		0.21	0.20	10,968.19

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	16.12	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Unmitigated	16.12	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	3.68					0.00	0.00		0.00	0.00						0.00
Consumer Products	12.43					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	16.11	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	3.68					0.00	0.00		0.00	0.00						0.00
Consumer Products	12.43					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	16.11	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

Paving VOC Emissions

RJD

Single Facility

62.68	acres	
12.54	acres	Area paved: 20%
2.62	lb VOC/acre	Paving Emission Factor
32.84	lb VOC	
0.25	lb VOC/day	

Double Facility

89.4	acres	
17.88	acres	Area paved: 20%
2.62	lb VOC/acre	Paving Emission Factor
46.85	lb VOC	
0.35	lb VOC/day	

Notes:

lb = pounds

VOC = Volatile organic compound