

Combined Summer Emissions Reports (Pounds/Day)

File Name: Z:\Glu\Alan's Projects\Masters College\May 2008 Revision\Master's College Operational Emissions.urb924

Project Name: Master College Operational Emissions

Project Location: Los Angeles County

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

AREA SOURCE EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>
TOTALS (lbs/day, unmitigated)	3.48	1.05	3.72	0.00	0.01	0.01

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>
TOTALS (lbs/day, unmitigated)	9.50	8.93	86.12	0.17	28.19	5.46

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>
TOTALS (lbs/day, unmitigated)	12.98	9.98	89.84	0.17	28.20	5.47

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Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>
Natural Gas	0.08	1.01	0.63	0.00	0.00	0.00
Hearth - No Summer Emissions						
Landscape	0.25	0.04	3.09	0.00	0.01	0.01
Consumer Products	2.77					
Architectural Coatings	0.38					
TOTALS (lbs/day, unmitigated)	3.48	1.05	3.72	0.00	0.01	0.01

Area Source Changes to Defaults

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOX</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM25</u>
Condo/townhouse general	2.01	2.38	23.74	0.05	7.54	1.46
University/college (4 yrs)	7.49	6.55	62.38	0.12	20.65	4.00
TOTALS (lbs/day, unmitigated)	9.50	8.93	86.12	0.17	28.19	5.46

Operational Settings:

Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2019 Temperature (F): 80 Season: Summer

Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses

Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Condo/townhouse general	3.38	8.00	dwelling units	54.00	432.00	4,364.41
University/college (4 yrs)		2.44	students	540.00	1,317.60	11,967.10
					1,749.60	16,331.51

Vehicle Fleet Mix

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	53.0	0.0	100.0	0.0
Light Truck < 3750 lbs	6.6	0.0	98.5	1.5
Light Truck 3751-5750 lbs	23.1	0.0	100.0	0.0
Med Truck 5751-8500 lbs	10.3	0.0	100.0	0.0
Lite-Heavy Truck 8501-10,000 lbs	1.6	0.0	81.2	18.8
Lite-Heavy Truck 10,001-14,000 lbs	0.5	0.0	60.0	40.0
Med-Heavy Truck 14,001-33,000 lbs	0.9	0.0	22.2	77.8
Heavy-Heavy Truck 33,001-60,000 lbs	0.5	0.0	0.0	100.0
Other Bus	0.1	0.0	0.0	100.0
Urban Bus	0.1	0.0	0.0	100.0
Motorcycle	2.4	41.7	58.3	0.0
School Bus	0.1	0.0	0.0	100.0
Motor Home	0.8	0.0	87.5	12.5

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	12.7	7.0	9.5	13.3	7.4	8.9
Rural Trip Length (miles)	17.6	12.1	14.9	15.4	9.6	12.6
Trip speeds (mph)	30.0	30.0	30.0	30.0	30.0	30.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
University/college (4 yrs)				5.0	2.5	92.5

Combined Winter Emissions Reports (Pounds/Day)

File Name: Z:\Glu\Alan's Projects\Masters College\May 2008 Revision\Master's College Operational Emissions.urb924

Project Name: Master College Operational Emissions

Project Location: Los Angeles County

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

AREA SOURCE EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>
TOTALS (lbs/day, unmitigated)	11.69	1.65	24.06	0.07	3.63	3.50

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>
TOTALS (lbs/day, unmitigated)	8.76	10.77	80.57	0.14	28.19	5.46

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>
TOTALS (lbs/day, unmitigated)	20.45	12.42	104.63	0.21	31.82	8.96

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Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Winter Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>
Natural Gas	0.08	1.01	0.63	0.00	0.00	0.00
Hearth	8.46	0.64	23.43	0.07	3.63	3.50
Landscaping - No Winter Emissions						
Consumer Products	2.77					
Architectural Coatings	0.38					
TOTALS (lbs/day, unmitigated)	11.69	1.65	24.06	0.07	3.63	3.50

Area Source Changes to Defaults

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Winter Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOX</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM25</u>
Condo/townhouse general	2.10	2.87	22.11	0.04	7.54	1.46
University/college (4 yrs)	6.66	7.90	58.46	0.10	20.65	4.00
TOTALS (lbs/day, unmitigated)	8.76	10.77	80.57	0.14	28.19	5.46

Operational Settings:

Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2019 Temperature (F): 60 Season: Winter

Emfac: Version : Emfac2007 V2.3 Nov 1 2006

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Lite-Heavy Truck 10,001-14,000 lbs	0.5	0.0	60.0	40.0
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Urban Bus	0.1	0.0	0.0	100.0
Motorcycle	2.4	41.7	58.3	0.0
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Trip speeds (mph)	30.0	30.0	30.0	30.0	30.0	30.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
University/college (4 yrs)				5.0	2.5	92.5