
Project Operational Area Source Emissions

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Urbemis 2007 Version 9.2.4

Combined Winter Emissions Reports (Pounds/Day)

File Name: C:\Documents and Settings\rmamaghani\Application Data\Urbemis\Version9a\Projects\CSU Area Source Emissions.urb924

Project Name: CSU Hayward Area Source Emissions

Project Location: Bay Area Air District

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

Off-Road Vehicle Emissions Based on: OFFROAD2007

Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: C:\Documents and Settings\rmmamaghani\Application Data\Urbemis\Version9a\Projects\CSU Area Source Emissions.urb924

Project Name: CSU Hayward Area Source Emissions

Project Location: Bay Area Air District

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>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	6.04	6.25	6.79	0.00	0.02	0.02	7,482.81
TOTALS (lbs/day, mitigated)	5.95	5.01	5.74	0.00	0.02	0.02	5,986.81
Percent Reduction	1.49	19.84	15.46	NaN	0.00	0.00	19.99

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>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	6.04	6.25	6.79	0.00	0.02	0.02	7,482.81

Both Area and Operational Mitigation must be turned on to get a combined mitigated total.

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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>	<u>CO2</u>
Natural Gas	0.45	6.23	5.24	0.00	0.01	0.01	7,480.00
Hearth							
Landscape	0.12	0.02	1.55	0.00	0.01	0.01	2.81
Consumer Products	0.00						
Architectural Coatings	5.47						
TOTALS (lbs/day, unmitigated)	6.04	6.25	6.79	0.00	0.02	0.02	7,482.81

Area Source Mitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Summer Pounds Per Day, Mitigated

<u>Source</u>	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
Natural Gas	0.36	4.99	4.19	0.00	0.01	0.01	5,984.00
Hearth							
Landscape	0.12	0.02	1.55	0.00	0.01	0.01	2.81
Consumer Products	0.00						
Architectural Coatings	5.47						
TOTALS (lbs/day, mitigated)	5.95	5.01	5.74	0.00	0.02	0.02	5,986.81

Area Source Changes to Defaults

Urbemis 2007 Version 9.2.4

Combined Annual Emissions Reports (Tons/Year)

File Name: C:\Documents and Settings\rmmamaghani\Application Data\Urbemis\Version9a\Projects\CSU Area Source Emissions.urb924

Project Name: CSU Hayward Area Source Emissions

Project Location: Bay Area Air District

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>	<u>CO2</u>
TOTALS (tons/year, unmitigated)	1.09	1.14	1.10	0.00	0.00	0.00	1,365.35
TOTALS (tons/year, mitigated)	1.08	0.91	0.90	0.00	0.00	0.00	1,092.33
Percent Reduction	0.92	20.18	18.18	NaN	NaN	NaN	20.00

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>	<u>CO2</u>
TOTALS (tons/year, unmitigated)	1.09	1.14	1.10	0.00	0.00	0.00	1,365.35

Both Area and Operational Mitigation must be turned on to get a combined mitigated total.

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Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Annual Tons Per Year, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
Natural Gas	0.08	1.14	0.96	0.00	0.00	0.00	1,365.10
Hearth							
Landscape	0.01	0.00	0.14	0.00	0.00	0.00	0.25
Consumer Products	0.00						
Architectural Coatings	1.00						
TOTALS (tons/year, unmitigated)	1.09	1.14	1.10	0.00	0.00	0.00	1,365.35

Area Source Mitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Annual Tons Per Year, Mitigated

<u>Source</u>	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
Natural Gas	0.07	0.91	0.76	0.00	0.00	0.00	1,092.08
Hearth							
Landscape	0.01	0.00	0.14	0.00	0.00	0.00	0.25
Consumer Products	0.00						
Architectural Coatings	1.00						
TOTALS (tons/year, mitigated)	1.08	0.91	0.90	0.00	0.00	0.00	1,092.33

Area Source Changes to Defaults