

Urbemis 2007 Version 9.2.4

Summary Report for Summer Emissions (Pounds/Day)

File Name: N:\Reno Projects\2008\RN08-0396 (Boulder Bay EIS)\Analysis\Air Quality\Alternative A.urb924

Project Name: Boulder Bay

Project Location: Placer County APCD

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

Off-Road Vehicle Emissions Based on: OFFROAD2007

CONSTRUCTION EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>CO2</u>
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AREA SOURCE EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	2.36	1.16	6.44	0.00	0.02	1,342.02

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	49.06	66.56	582.23	0.50	85.25	50,451.84

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	51.42	67.72	588.67	0.50	85.27	51,793.86

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CONSTRUCTION EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>CO2</u>
AREA SOURCE EMISSION ESTIMATES								
	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>		<u>CO2</u>	
TOTALS (lbs/day, unmitigated)	7.88	1.20	9.91	0.00	0.03		1,373.28	

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	69.65	111.18	782.32	0.62	119.97	65,365.12

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	77.53	112.38	792.23	0.62	120.00	66,738.40

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CONSTRUCTION EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>CO2</u>
2010 TOTALS (lbs/day unmitigated)	5.00	55.94	23.53	0.04	125.41	2.40	127.81	6,725.16
2011 TOTALS (lbs/day unmitigated)	4.53	23.77	35.53	0.04	0.17	1.46	1.63	5,485.66

AREA SOURCE EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	7.37	3.41	15.25	0.00	0.06	3,959.58

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	38.57	49.13	423.87	0.34	62.95	37,131.54

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SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	45.94	52.54	439.12	0.34	63.01	41,091.12

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CONSTRUCTION EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>CO2</u>
2010 TOTALS (lbs/day unmitigated)	5.19	59.01	24.54	0.05	129.70	2.51	132.22	7,159.10
2011 TOTALS (lbs/day unmitigated)	5.00	25.36	48.97	0.05	0.25	1.53	1.78	7,207.35

AREA SOURCE EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	15.74	4.31	23.30	0.00	0.08	5,067.63

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	43.90	56.28	489.36	0.42	72.20	42,664.32

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SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	59.64	60.59	512.66	0.42	72.28	47,731.95

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	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>CO2</u>
2010 TOTALS (lbs/day unmitigated)	4.80	52.88	22.53	0.04	108.00	2.29	110.28	6,291.22
2011 TOTALS (lbs/day unmitigated)	4.01	19.08	26.23	0.02	0.10	1.28	1.38	3,810.55

AREA SOURCE EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	7.91	2.76	14.33	0.00	0.05	3,192.83

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	74.38	100.51	879.09	0.75	129.30	76,473.66

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SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	82.29	103.27	893.42	0.75	129.35	79,666.49