

URBEMIS 2002 For Windows 8.7.0

File Name: C:\Program Files\URBEMIS 2002 Version 8.7\Projects2k2\Baseline Road Cumulative Projects.urb
Project Name: Baseline Road Cumulative Projects
Project Location: South Coast Air Basin (Los Angeles area)
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT
(Pounds/Day - Summer)

AREA SOURCE EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (lbs/day, unmitigated)	648.58	111.53	324.43	3.04	1.26

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (lbs/day, unmitigated)	1,244.50	1,487.41	15,736.45	10.15	1,547.33

SUM OF AREA AND OPERATIONAL EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (lbs/day, unmitigated)	1,893.08	1,598.94	16,060.88	13.19	1,548.59

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SUMMARY REPORT
(Pounds/Day - Winter)

AREA SOURCE EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (lbs/day, unmitigated)	4,439.81	242.73	7,066.12	16.67	1,044.96

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (lbs/day, unmitigated)	1,243.54	2,148.27	15,110.22	8.22	1,547.33

SUM OF AREA AND OPERATIONAL EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (lbs/day, unmitigated)	5,683.35	2,391.01	22,176.35	24.89	2,592.29

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DETAIL REPORT
(Pounds/Day - Winter)

AREA SOURCE EMISSION ESTIMATES (Winter Pounds per Day, Unmitigated)						
Source	ROG	NOx	CO	SO2	PM10	
Natural Gas	8.39	110.11	57.43	0	0.21	
Hearth	3,832.04	132.63	7,008.69	16.67	1,044.75	
Landscaping - No winter emissions						
Consumer Prdcts	330.28	-	-	-	-	
Architectural Coatings	269.10	-	-	-	-	
TOTALS (lbs/day, unmitigated)	4,439.81	242.73	7,066.12	16.67	1,044.96	

UNMITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Single family housing	536.22	902.02	6,436.29	3.57	656.00
Day-care center	2.18	3.85	26.81	0.01	2.76
University/college (4 yrs	1.72	2.95	20.53	0.01	2.11
City park	0.28	0.46	3.23	0.00	0.33
Racquetball/health	9.08	16.01	111.40	0.06	11.47
High turnover (sit-down)	24.23	42.82	297.87	0.16	30.66
Fast food rest. w/ drive	16.37	28.95	201.40	0.11	20.73
Hotel	8.51	14.90	103.64	0.06	10.67
Free-standing discount st	280.20	493.24	3,435.30	1.84	352.28
Discount club	27.75	48.82	340.04	0.18	34.87
Regnl shop. center	236.03	415.32	2,892.61	1.55	296.63
Strip mall	50.66	89.14	620.81	0.33	63.66
Gasoline/service station	17.56	30.95	215.54	0.12	22.10
General office building	12.26	21.81	150.23	0.08	15.92
Office park	3.72	6.73	46.18	0.03	4.94
Warehouse	0.35	0.61	4.27	0.00	0.44
Industrial park	16.43	29.68	204.07	0.11	21.74
TOTAL EMISSIONS (lbs/day)	1,243.54	2,148.27	15,110.22	8.22	1,547.33

Does not include correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2008 Temperature (F): 50 Season: Winter

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Single family housing	2,250.33	9.57 trips/dwelling unit	6,751.00	64,607.07
Day-care center		79.26 trips/1000 sq. ft.	4.00	317.04
University/college (4 yrs		2.38 trips/students	102.00	242.76
City park		1.59 trips/acres	24.00	38.16
Racquetball/health		32.93 trips/1000 sq. ft.	40.00	1,317.20
High turnover (sit-down)		127.15 trips/1000 sq. ft.	27.70	3,522.06
Fast food rest. w/ drive		496.12 trips/1000 sq. ft.	4.80	2,381.38
Hotel		8.17 trips/rooms	150.00	1,225.50
Free-standing discount st		56.02 trips/1000 sq. ft.	741.00	41,510.82
Discount club		41.80 trips/1000 sq. ft.	98.30	4,108.94
Regnl shop. center		42.94 trips/1000 sq. ft.	814.00	34,953.16
Strip mall		42.94 trips/1000 sq. ft.	174.70	7,501.62
Gasoline/service station		162.78 trips/Pumps	16.00	2,604.48
General office building		3.32 trips/1000 sq. ft.	440.50	1,462.46
Office park		5.22 trips/1000 sq. ft.	80.00	417.60
Warehouse		4.96 trips/1000 sq. ft.	10.40	51.58
Industrial park		6.96 trips/1000 sq. ft.	274.90	1,913.30
Sum of Total Trips			168,175.13	
Total Vehicle Miles Traveled			1,019,989.02	

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	55.00	1.60	98.00	0.40
Light Truck < 3,750 lbs	15.00	2.70	95.30	2.00
Light Truck 3,751- 5,750	16.20	1.20	97.50	1.30
Med Truck 5,751- 8,500	7.20	1.40	95.80	2.80
Lite-Heavy 8,501-10,000	1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,000	0.40	0.00	50.00	50.00
Med-Heavy 14,001-33,000	1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.90	0.00	11.10	88.90
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.70	76.50	23.50	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.20	8.30	83.30	8.40

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	11.5	4.9	6.0	10.3	5.5	5.5
Rural Trip Length (miles)	11.5	4.9	6.0	10.3	5.5	5.5
Trip Speeds (mph)	35.0	40.0	40.0	40.0	40.0	40.0
% of Trips - Residential	20.0	37.0	43.0			
% of Trips - Commercial (by land use)						
Day-care center				5.0	2.5	92.5
University/college (4 yrs)				5.0	2.5	92.5
City park				5.0	2.5	92.5
Racquetball/health				5.0	2.5	92.5
High turnover (sit-down) rest.				5.0	2.5	92.5
Fast food rest. w/ drive thru				5.0	2.5	92.5
Hotel				5.0	2.5	92.5
Free-standing discount store				2.0	1.0	97.0
Discount club				2.0	1.0	97.0
Regnl shop. center				2.0	1.0	97.0
Strip mall				2.0	1.0	97.0
Gasoline/service station				2.0	1.0	97.0
General office building				35.0	17.5	47.5
Office park				48.0	24.0	28.0
Warehouse				2.0	1.0	97.0
Industrial park				41.5	20.8	37.8

changes made to the default values for Land Use Trip Percentages

changes made to the default values for Area

changes made to the default values for Operations

the operational emission year changed from 2005 to 2008.