

One Volume source

exclusion zone 25.00 meter (nearest sensitive receptor)
 (1 meter + 2.15 * σY)

σY = 11.16 meter
 length of side = 48.00 meter

Emission Rate: 1.00 g/s
 Initial Lateral Dimension: 11.16 meter
 Initial Vertical Dimension: 0.47 meter

minimum # of trucks to
 91 trigger 100 in one million
 threshold

OEHHA 95th percentile Exposure factors used to calculate TAC intake

From EMFAC2021

Criteria #1

period (25+1 met stations)	OEHHA 95th percentile Exposure factors used to calculate TAC intake		Assume CR threshold		CR over Assumed CR		From EMFAC2021		Criteria #1	
	CR in one million	ug/m3	(in one million)	Threshold	ER ratio	ER for one truck (g/sec)	annual emissions (lb/yr)	# of Trucks		
Chino airport	569.13	ug/m3	492400.0	100	4924	2.03E-04	1.67824E-06	1.41E+01	121	
Azusa	344.64	ug/m3	298170.0	100	2981.7	3.35E-04	1.67824E-06	2.33E+01	200	
ANAHA	299.92	ug/m3	259480.0	100	2594.8	3.85E-04	1.67824E-06	2.68E+01	230	
BNAP	682.00	ug/m3	590050.0	100	5900.5	1.69E-04	1.67824E-06	1.18E+01	101	
CELA	242.29	ug/m3	209620.0	100	2096.2	4.77E-04	1.67824E-06	3.31E+01	284	
INDI	256.48	ug/m3	221900.0	100	2219	4.51E-04	1.67824E-06	3.13E+01	269	
KAVX	368.09	ug/m3	318460.0	100	3184.6	3.14E-04	1.67824E-06	2.18E+01	187	
KBUR	321.91	ug/m3	278510.0	100	2785.1	3.59E-04	1.67824E-06	2.49E+01	214	
KFUL	347.91	ug/m3	301000.0	100	3010	3.32E-04	1.67824E-06	2.31E+01	198	
KHHR	447.56	ug/m3	387220.0	100	3872.2	2.58E-04	1.67824E-06	1.79E+01	154	
KLAX	497.80	ug/m3	430680.0	100	4306.8	2.32E-04	1.67824E-06	1.61E+01	138	
KLGB	404.98	ug/m3	350380.0	100	3503.8	2.85E-04	1.67824E-06	1.98E+01	170	
KONT	394.55	ug/m3	341360.0	100	3413.6	2.93E-04	1.67824E-06	2.03E+01	175	
KPSP	254.17	ug/m3	219900.0	100	2199	4.55E-04	1.67824E-06	3.16E+01	271	
KRAL	445.01	ug/m3	385010.0	100	3850.1	2.60E-04	1.67824E-06	1.80E+01	155	
KSMO	352.18	ug/m3	304700.0	100	3047	3.28E-04	1.67824E-06	2.28E+01	196	
KSNA	325.86	ug/m3	281930.0	100	2819.3	3.55E-04	1.67824E-06	2.46E+01	211	
KTRM	295.90	ug/m3	256010.0	100	2560.1	3.91E-04	1.67824E-06	2.71E+01	233	
KVNY	328.97	ug/m3	284620.0	100	2846.2	3.51E-04	1.67824E-06	2.44E+01	209	
MSJV	326.80	ug/m3	282740.0	100	2827.4	3.54E-04	1.67824E-06	2.46E+01	211	
PERI	385.88	ug/m3	333850.0	100	3338.5	3.00E-04	1.67824E-06	2.08E+01	178	
PICO	299.95	ug/m3	259510.0	100	2595.1	3.85E-04	1.67824E-06	2.68E+01	230	
PLSP	261.25	ug/m3	226030.0	100	2260.3	4.42E-04	1.67824E-06	3.07E+01	264	
RDLD	429.89	ug/m3	371930.0	100	3719.3	2.69E-04	1.67824E-06	1.87E+01	160	
SCLR	340.59	ug/m3	294670.0	100	2946.7	3.39E-04	1.67824E-06	2.36E+01	202	
SLMZ	379.60	ug/m3	328420.0	100	3284.2	3.04E-04	1.67824E-06	2.12E+01	181	
TMCA	754.73	ug/m3	652970.0	100	6529.7	1.53E-04	1.67824E-06	1.06E+01	91	
UPLA	387.24	ug/m3	335030.0	100	3350.3	2.98E-04	1.67824E-06	2.07E+01	178	

MICR Resident = CP (mg/(kg-day)-1) * Q (ton/yr) * (X/Q) Resident * CEF Resident * MP Resident * 1e-6 * MWAF

For diesel particulate matter

569.13353 7.5E-01
1 g/s

HARP

CPF ((mg/kg/day))	^{x/Q} (ug/m3)/(1g/s)	Q annual emissions	CEF R 30 years	MP R (ration unit less)	MWAF (factor-unitless)	CR	CR in million
1.1E+00	569.13		1	677.4	1	1	4.92E-01 492400
1.1E+00	344.64		1	677.4	1	1	2.98E-01 298170
1.1E+00	299.92		1	677.4	1	1	2.59E-01 259480
1.1E+00	682.00		1	677.4	1	1	5.90E-01 590050
1.1E+00	242.29		1	677.4	1	1	2.10E-01 209620
1.1E+00	256.48		1	677.4	1	1	2.22E-01 221900
1.1E+00	368.09		1	677.4	1	1	3.18E-01 318460
1.1E+00	321.91		1	677.4	1	1	2.79E-01 278510
1.1E+00	347.91		1	677.4	1	1	3.01E-01 301000
1.1E+00	447.56		1	677.4	1	1	3.87E-01 387220
1.1E+00	497.80		1	677.4	1	1	4.31E-01 430680
1.1E+00	404.98		1	677.4	1	1	3.50E-01 350380
1.1E+00	394.55		1	677.4	1	1	3.41E-01 341360
1.1E+00	254.17		1	677.4	1	1	2.20E-01 219900
1.1E+00	445.01		1	677.4	1	1	3.85E-01 385010
1.1E+00	352.18		1	677.4	1	1	3.05E-01 304700
1.1E+00	325.86		1	677.4	1	1	2.82E-01 281930
1.1E+00	295.90		1	677.4	1	1	2.56E-01 256010
1.1E+00	328.97		1	677.4	1	1	2.85E-01 284620
1.1E+00	326.80		1	677.4	1	1	2.83E-01 282740
1.1E+00	385.88		1	677.4	1	1	3.34E-01 333850
1.1E+00	299.95		1	677.4	1	1	2.60E-01 259510
1.1E+00	261.25		1	677.4	1	1	2.26E-01 226030
1.1E+00	429.89		1	677.4	1	1	3.72E-01 371930
1.1E+00	340.59		1	677.4	1	1	2.95E-01 294670
1.1E+00	379.60		1	677.4	1	1	3.28E-01 328420
1.1E+00	754.73		1	677.4	1	1	6.53E-01 652970
1.1E+00	387.24		1	677.4	1	1	3.35E-01 335030

