South Coast Air Quality Management District

PERMIT APPLICATION PACKAGE "N"

For Use in Conjunction with the
RISK ASSESSMENT PROCEDURES
for Rules 1401, 1401.1, and 212

Version 8.1

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Table 1.0 - Screening Emission Levels

THESE ARE NOT EMISSION LIMITS. Exceedances of these levels indicate that a screening health risk assessment should be performed.

Pollutant		Date Toxicity Criteria Last Updated				Annual Pollutant Screening Level			Hourly Pollutant Screening Level		
Toxic Air Contaminant	CAS No	Cancer	Chronic	8-hr Chronic	Acute	Emissions at 25 m, lb/yr	Emissions at 50 m, lb/yr	Emissions at 100 m, lb/yr	Emissions at 25 m, lb/hr	Emissions at 50 m, lb/hr	Emissions at 100 m, lb/hr
Acetaldehyde	75-07-0	4/99[5/93]	12/19/2008	12/19/2008	12/19/2008	5.31E+00 (ca)	1.94E+01 (ca)	4.44E+01 (ca)	1.04E-01	2.59E-01	6.49E-01
Acetamide	60-35-5	4/1/1999				7.59E-01 (ca)	2.77E+00 (ca)	6.35E+00 (ca)			
Acrolein	107-02-8		12/19/2008	12/19/2008	12/19/2008	6.00E+00 (8hr)	2.19E+01 (8hr)	5.02E+01 (8hr)	5.52E-04	1.38E-03	3.45E-03
Acrylamide	79-06-1	4/99[7/90]				1.18E-02 (ca)	4.30E-02 (ca)	9.87E-02 (ca)			
Acrylic Acid	79-10-7				4/1/1999				1.33E+00	3.30E+00	8.28E+00
Acrylonitrile	107-13-1	4/99[1/91]	12/1/2001			5.31E-02 (ca)	1.94E-01 (ca)	4.44E-01 (ca)			
Allyl Chloride	107-05-1	4/1/1999				2.53E+00 (ca)	9.22E+00 (ca)	2.12E+01 (ca)			
2-Aminoanthraquinone	117-79-3	4/1/1999				1.61E+00 (ca)	5.87E+00 (ca)	1.35E+01 (ca)			
Ammonia	7664-41-7		2/1/2000		4/1/1999	7.20E+03 (ch)	2.62E+04 (ch)	6.02E+04 (ch)	7.07E-01	1.76E+00	4.42E+00
Aniline	62-53-3	4/1/1999				9.32E+00 (ca)	3.40E+01 (ca)	7.79E+01 (ca)			
Arsenic And Compounds (Inorganic)	7440-38-2	7/1/1990	12/19/2008	12/19/2008	12/19/2008	4.56E-04 (ca)	1.66E-03 (ca)	3.81E-03 (ca)	4.42E-05	1.10E-04	2.76E-04
Arsine	7784-42-1		12/19/2008	12/19/2008	12/19/2008	1.29E-01 (8hr)	4.68E-01 (8hr)	1.07E+00 (8hr)	4.42E-05	1.10E-04	2.76E-04
Asbestos	1332-21-4	3/1/1986				7.25E-07 (ca)	2.64E-06 (ca)	6.06E-06 (ca)			
Benzene	71-43-2	1/1/1985	6/27/2014	6/27/2014	6/27/2014	5.31E-01 (ca)	1.94E+00 (ca)	4.44E+00 (ca)	5.96E-03	1.49E-02	3.73E-02
Benzidine (And Its Salts)	92-87-5	4/99[1/91]				1.06E-04 (ca)	3.87E-04 (ca)	8.89E-04 (ca)			
Benzidine Based Dyes	0	4/99[1/91]				1.06E-04 (ca)	3.87E-04 (ca)	8.89E-04 (ca)			
Direct Black	1937-37-7	4/99[1/91]				1.06E-04 (ca)	3.87E-04 (ca)	8.89E-04 (ca)			
Direct Blue	2602-46-2	4/99[1/91]				1.06E-04 (ca)	3.87E-04 (ca)	8.89E-04 (ca)			
Direct Brown (Technical Grade)	16071-86-6	4/99[1/91]				1.06E-04 (ca)	3.87E-04 (ca)	8.89E-04 (ca)			
Benzyl Chloride	100-44-7	4/1/1999			4/1/1999	3.13E-01 (ca)	1.14E+00 (ca)	2.61E+00 (ca)	5.30E-02	1.32E-01	3.31E-01
Beryllium And Compounds	7440-41-7	4/99[7/90]	12/1/2001			6.33E-03 (ca)	2.30E-02 (ca)	5.29E-02 (ca)			
Bis(2-Chloroethyl)Ether (Dichloroethyl Ether)	111-44-4	4/1/1999				2.13E-02 (ca)	7.74E-02 (ca)	1.78E-01 (ca)			
Bis(Chloromethyl)Ether	542-88-1	4/99[1/91]				1.16E-03 (ca)	4.21E-03 (ca)	9.66E-03 (ca)			
Potassium Bromate	7758-01-2	4/99[10/93]				1.08E-01 (ca)	3.95E-01 (ca)	9.07E-01 (ca)			
1,3-Butadiene	106-99-0	7/1/1992	7/29/2013	7/29/2013	7/29/2013	8.86E-02 (ca)	3.23E-01 (ca)	7.41E-01 (ca)	1.46E-01	3.63E-01	9.11E-01
Cadmium And Compounds	7440-43-9	1/1/1987	1/1/2001			3.54E-03 (ca)	1.29E-02 (ca)	2.96E-02 (ca)			
Caprolactum	105-60-2		6/1/2013	6/1/2013	6/1/2013	6.00E+01 (8hr)	2.19E+02 (8hr)	5.02E+02 (8hr)	1.10E-02	2.75E-02	6.90E-02
Carbon Disulfide	75-15-0		5/13/2002		4/1/1999	2.88E+04 (ch)	1.05E+05 (ch)	2.41E+05 (ch)	1.37E+00	3.41E+00	8.56E+00
Carbon Tetrachloride (Tetrachloromethane)	56-23-5	9/1/1987	1/1/2001		4/1/1999	3.54E-01 (ca)	1.29E+00 (ca)	2.96E+00 (ca)	4.20E-01	1.05E+00	2.62E+00
Carbonyl Sulfide	463-58-1		2/21/2017	2/21/2017	2/21/2017	8.57E+01 (8hr)	3.12E+02 (8hr)	7.17E+02 (8hr)	1.46E-01	3.63E-01	9.11E-01
Chlorinated Paraffins	108171-26-2	4/1/1999				5.97E-01 (ca)	2.17E+00 (ca)	4.99E+00 (ca)			
Chlorine	7782-50-5		2/1/2000		4/1/1999	7.20E+00 (ch)	2.62E+01 (ch)	6.02E+01 (ch)	4.64E-02	1.16E-01	2.90E-01
Chlorine Dioxide	10049-04-4		1/1/2001			2.16E+01 (ch)	7.87E+01 (ch)	1.81E+02 (ch)			
4-Chloro-O-Phenylenediamine	95-83-0	4/1/1999				3.32E+00 (ca)	1.21E+01 (ca)	2.78E+01 (ca)			

Table 1.0 – Screening Emission Levels (continued)

Pollutant		Date Toxicity Criteria Last Updated				Annual Pollutant Screening Level			Hourly Pollutant Screening Level		
Toxic Air Contaminant	**CAS No**	**Cancer**	**Chronic**	**8-hr Chronic**	**Acute**	**Emissions at 25 m, lb/yr**	**Emissions at 50 m, lb/yr**	**Emissions at 100 m, lb/yr**	**Emissions at 25 m, lb/hr**	**Emissions at 50 m, lb/hr**	**Emissions at 100 m, lb/hr**
Chlorobenzene	108-90-7		1/1/2001			3.60E+04 (ch)	1.31E+05 (ch)	3.01E+05 (ch)			
Chloroform	67-66-3	12/1/1990	4/1/2000		4/1/1999	2.80E+00 (ca)	1.02E+01 (ca)	2.34E+01 (ca)	3.31E-02	8.26E-02	2.07E-01
Pentachlorophenol	87-86-5	4/1/1999				2.95E+00 (ca)	1.08E+01 (ca)	2.47E+01 (ca)			
2,4,6-Trichlorophenol	88-06-2	4/99[1/91]				7.59E-01 (ca)	2.77E+00 (ca)	6.35E+00 (ca)			
Chloropicrin	76-06-2		12/1/2001		4/1/1999	1.44E+01 (ch)	5.24E+01 (ch)	1.20E+02 (ch)	6.40E-03	1.60E-02	4.00E-02
P-Chloro-O-Toluidine	95-69-2	4/1/1999				1.97E-01 (ca)	7.17E-01 (ca)	1.65E+00 (ca)			
Chromium 6+	18540-29-9	1/1/1986	1/1/2001			6.53E-05 (ca)	2.38E-04 (ca)	5.46E-04 (ca)			
Barium Chromate	10294-40-3	1/1/1986	1/1/2001			3.18E-04 (ca)	1.16E-03 (ca)	2.66E-03 (ca)			
Calcium Chromate	13765-19-0	1/1/1986	1/1/2001			1.96E-04 (ca)	7.13E-04 (ca)	1.64E-03 (ca)			
Lead Chromate	7758-97-6	1/1/1986	1/1/2001			4.06E-04 (ca)	1.48E-03 (ca)	3.39E-03 (ca)			
Sodium Dichromate	10588-01-9	1/1/1986	1/1/2001			1.64E-04 (ca)	5.99E-04 (ca)	1.37E-03 (ca)			
Strontium Chromate	7789-06-2	1/1/1986	1/1/2001			2.56E-04 (ca)	9.31E-04 (ca)	2.14E-03 (ca)			
Chromic Trioxide (As Chromic Acid Mist)	1333-82-0	1/1/1986	1/1/2001			1.25E-04 (ca)	4.57E-04 (ca)	1.05E-03 (ca)			
Copper And Compounds	7440-50-8				4/1/1999				2.21E-02	5.51E-02	1.38E-01
P-Cresidine	120-71-8	4/1/1999				3.54E-01 (ca)	1.29E+00 (ca)	2.96E+00 (ca)			
Cresols (Mixtures Of)	1319-77-3		1/1/2001			2.16E+04 (ch)	7.87E+04 (ch)	1.81E+05 (ch)			
M-Cresol	108-39-4		1/1/2001			2.16E+04 (ch)	7.87E+04 (ch)	1.81E+05 (ch)			
O-Cresol	95-48-7		1/1/2001			2.16E+04 (ch)	7.87E+04 (ch)	1.81E+05 (ch)			
P-Cresol	106-44-5		1/1/2001			2.16E+04 (ch)	7.87E+04 (ch)	1.81E+05 (ch)			
Cupferron	135-20-6	4/1/1999				2.42E-01 (ca)	8.80E-01 (ca)	2.02E+00 (ca)			
Hydrogen Cyanide (Hydrocyanic Acid)	74-90-8		4/1/2000		4/1/1999	3.24E+02 (ch)	1.18E+03 (ch)	2.71E+03 (ch)	7.51E-02	1.87E-01	4.69E-01
2,4-Diaminoanisole	615-05-4	4/1/1999				2.31E+00 (ca)	8.42E+00 (ca)	1.93E+01 (ca)			
2,4-Diaminotoluene	95-80-7	4/1/1999				1.33E-02 (ca)	4.84E-02 (ca)	1.11E-01 (ca)			
1,2-Dibromo-3-Chloropropane (Dbcp)	96-12-8	4/99[1/92]				7.59E-03 (ca)	2.77E-02 (ca)	6.35E-02 (ca)			
P-Dichlorobenzene	106-46-7	4/99[1/91]	1/1/2001			1.33E+00 (ca)	4.84E+00 (ca)	1.11E+01 (ca)			
3,3-Dichlorobenzidine	91-94-1	4/99[1/91]				4.43E-02 (ca)	1.61E-01 (ca)	3.70E-01 (ca)			
1,1,-Dichloroethane (Ethylidene Dichloride)	75-34-3	4/1/1999				9.32E+00 (ca)	3.40E+01 (ca)	7.79E+01 (ca)			
Di(2-Ethylhexyl)Phthalate (Dehp)	117-81-7	4/99[1/92]				1.21E+00 (ca)	4.41E+00 (ca)	1.01E+01 (ca)			
Diethanolamine	111-42-2		12/1/2001			1.15E+02 (ch)	3.49E+02 (ch)	7.12E+02 (ch)			
P-Dimethylaminoazo benzene	60-11-7	4/1/1999				1.16E-02 (ca)	4.21E-02 (ca)	9.66E-02 (ca)			
N,N-Dimethyl Formamide	68-12-2		1/1/2001			2.88E+03 (ch)	1.05E+04 (ch)	2.41E+04 (ch)			
2,4-Dinitrotoluene	121-14-2	4/1/1999				1.71E-01 (ca)	6.24E-01 (ca)	1.43E+00 (ca)			
1,4-Dioxane (1,4-Diethylene Dioxide)	123-91-1	4/99[1/91]	4/1/2000		4/1/1999	1.97E+00 (ca)	7.17E+00 (ca)	1.65E+01 (ca)	6.63E-01	1.65E+00	4.14E+00
1,2-Diphenylhydrazine {Hydrazobenzene}	122-66-7	1/1/1988				6.47E-02 (ca)	1.96E-01 (ca)	4.01E-01 (ca)			
Epichlorohydrin (1-Chloro-2,3-Epoxypropane)	106-89-8	4/99[1/92]	1/1/2001		4/1/1999	6.64E-01 (ca)	2.42E+00 (ca)	5.55E+00 (ca)	2.87E-01	7.16E-01	1.79E+00
1,2-Epoxybutane	106-88-7		1/1/2001			7.20E+02 (ch)	2.62E+03 (ch)	6.02E+03 (ch)			

Table 1.0 – Screening Emission Levels (continued)

Pollutant		Date Toxicity Criteria Last Updated				Annual Pollutant Screening Level			Hourly Pollutant Screening Level		
Toxic Air Contaminant	CAS No	Cancer	Chronic	8-hr Chronic	Acute	Emissions at 25 m, lb/yr	Emissions at 50 m, lb/yr	Emissions at 100 m, lb/yr	Emissions at 25 m, lb/hr	Emissions at 50 m, lb/hr	Emissions at 100 m, lb/hr
Ethyl Benzene	100-41-4	11/7/2007	2/1/2000			6.11E+00 (ca)	2.22E+01 (ca)	5.11E+01 (ca)			
Ethyl Chloride (Chloroethane)	75-00-3		4/1/2000			1.08E+06 (ch)	3.93E+06 (ch)	9.03E+06 (ch)			
Ethylene Dibromide (1,2-Dibromoethane)	106-93-4	7/1/1985	12/1/2001			2.13E-01 (ca)	7.74E-01 (ca)	1.78E+00 (ca)			
Ethylene Dichloride (1,2-Dichloroethane)	107-06-2	9/1/1985	1/1/2001			7.38E-01 (ca)	2.69E+00 (ca)	6.17E+00 (ca)			
Ethylene Glycol	107-21-1		4/1/2000			1.44E+04 (ch)	5.24E+04 (ch)	1.20E+05 (ch)			
Ethylene Oxide (1,2-Epoxyethane)	75-21-8	11/1/1987	1/1/2001			1.71E-01 (ca)	6.24E-01 (ca)	1.43E+00 (ca)			
Ethylene Thiourea	96-45-7	4/1/1999				1.18E+00 (ca)	4.30E+00 (ca)	9.87E+00 (ca)			
Flourides	1101		8/14/2003		4/1/1999	8.21E+01 (ch)	2.99E+02 (ch)	6.86E+02 (ch)	5.30E-02	1.32E-01	3.31E-01
Hydrogen Fluoride (Hydrofluoric Acid)	7664-39-3		8/14/2003		4/1/1999	8.31E+01 (ch)	3.03E+02 (ch)	6.95E+02 (ch)	5.30E-02	1.32E-01	3.31E-01
Formaldehyde	50-00-0	3/1/1992	12/19/2008	12/19/2008	12/19/2008	2.53E+00 (ca)	9.22E+00 (ca)	2.12E+01 (ca)	1.21E-02	3.03E-02	7.59E-02
Glutaraldehyde	111-30-8		1/1/2001			2.88E+00 (ch)	1.05E+01 (ch)	2.41E+01 (ch)			
Ethylene Glycol Butyl Ether (EGBE)	111-76-2				4/1/1999				3.09E+00	7.71E+00	1.93E+01
Ethylene Glycol Ethyl Ether (EGEE)	110-80-5		2/1/2000		4/99[1/92]	2.52E+03 (ch)	9.18E+03 (ch)	2.11E+04 (ch)	8.17E-02	2.04E-01	5.11E-01
Ethylene Glycol Ethyl Ether Acetate (EGEEA)	111-15-9		2/1/2000		4/1/1999	1.08E+04 (ch)	3.93E+04 (ch)	9.03E+04 (ch)	3.09E-02	7.71E-02	1.93E-01
Ethylene Glycol Methyl Ether (EGME)	109-86-4		2/1/2000		4/1/1999	2.16E+03 (ch)	7.87E+03 (ch)	1.81E+04 (ch)	2.05E-02	5.12E-02	1.28E-01
Ethylene Glycol Methyl Ether Acetate (EGMEA)	110-49-6		2/1/2000			3.24E+03 (ch)	1.18E+04 (ch)	2.71E+04 (ch)			
Hexachlorobenzene	118-74-1	4/99[1/91]				2.95E-02 (ca)	1.08E-01 (ca)	2.47E-01 (ca)			
Hexachlorocyclohexanes	608-73-1	4/99[1/91]				2.47E-03 (ca)	8.98E-03 (ca)	2.06E-02 (ca)			
Alpha-Hexachlorocyclohexane	319-84-6	4/99[1/91]				2.47E-03 (ca)	8.98E-03 (ca)	2.06E-02 (ca)			
Beta-Hexachlorocyclohexane	319-85-7	4/99[1/91]				2.47E-03 (ca)	8.98E-03 (ca)	2.06E-02 (ca)			
Gamma-Hexachlorocyclohexane (Lindane)	58-89-9	4/1/1999				8.97E-03 (ca)	3.27E-02 (ca)	7.50E-02 (ca)			
N-Hexane	110-54-3		4/1/2000			2.52E+05 (ch)	9.18E+05 (ch)	2.11E+06 (ch)			
Hydrazine	302-01-2	4/99[7/90]	1/1/2001			3.13E-03 (ca)	1.14E-02 (ca)	2.61E-02 (ca)			
Hydrochloric Acid (Hydrogen Chloride)	7647-01-0		2/1/2000		4/1/1999	3.24E+02 (ch)	1.18E+03 (ch)	2.71E+03 (ch)	4.64E-01	1.16E+00	2.90E+00
Hydrogen Sulfide	7783-06-4		4/1/2000		4/99[7/90]	3.60E+02 (ch)	1.31E+03 (ch)	3.01E+03 (ch)	9.28E-03	2.31E-02	5.80E-02
Isophorone	78-59-1		12/1/2001			7.20E+04 (ch)	2.62E+05 (ch)	6.02E+05 (ch)			
Isopropyl Alcohol (Isopropanol)	67-63-0		2/1/2000		4/1/1999	2.52E+05 (ch)	9.18E+05 (ch)	2.11E+06 (ch)	7.07E-01	1.76E+00	4.42E+00
Lead And Compounds (Inorganic)	7439-92-1	4/1/1997				1.11E-01 (ca)	4.04E-01 (ca)	9.27E-01 (ca)			
Lead Acetate	301-04-2	4/1/1997				1.74E-01 (ca)	6.34E-01 (ca)	1.45E+00 (ca)			
Lead Phosphate	7446-27-7	4/1/1997				1.45E-01 (ca)	5.27E-01 (ca)	1.21E+00 (ca)			
Lead Subacetate	1335-32-6	4/1/1997				1.44E-01 (ca)	5.25E-01 (ca)	1.20E+00 (ca)			
Maleic Anhydride	108-31-6		12/1/2001			2.52E+01 (ch)	9.18E+01 (ch)	2.11E+02 (ch)			
Manganese And Compounds	7439-96-5		12/19/2008	12/19/2008		1.46E+00 (8hr)	5.31E+00 (8hr)	1.22E+01 (8hr)			
Mercury And Compounds (Inorganic)	7439-97-6		12/19/2008	12/19/2008	12/19/2008	2.80E-01 (ch)	1.02E+00 (ch)	2.34E+00 (ch)	1.33E-04	3.30E-04	8.28E-04
Mercuric Chloride	7487-94-7		12/19/2008	12/19/2008	12/19/2008	2.80E-01 (ch)	1.02E+00 (ch)	2.34E+00 (ch)	1.33E-04	3.30E-04	8.28E-04

Table 1.0 – Screening Emission Levels (continued)

Pollutant		Date Toxicity Criteria Last Updated				Annual Pollutant Screening Level			Hourly Pollutant Screening Level		
Toxic Air Contaminant	**CAS No**	**Cancer**	**Chronic**	**8-hr Chronic**	**Acute**	**Emissions at 25 m, lb/yr**	**Emissions at 50 m, lb/yr**	**Emissions at 100 m, lb/yr**	**Emissions at 25 m, lb/hr**	**Emissions at 50 m, lb/hr**	**Emissions at 100 m, lb/hr**
Methanol	67-56-1		4/1/2000		4/1/1999	1.44E+05 (ch)	5.24E+05 (ch)	1.20E+06 (ch)	6.18E+00	1.54E+01	3.86E+01
Methyl Bromide (Bromomethane)	74-83-9		2/1/2000		4/1/1999	1.80E+02 (ch)	6.56E+02 (ch)	1.50E+03 (ch)	8.61E-01	2.15E+00	5.38E+00
Methyl Tertiary-Butyl Ether	1634-04-4	11/1/1999	2/1/2000			2.95E+01 (ca)	1.08E+02 (ca)	2.47E+02 (ca)			
Methyl Chloroform (1,1,1-Trichloroethane)	71-55-6		2/1/2000		4/1/1999	3.60E+04 (ch)	1.31E+05 (ch)	3.01E+05 (ch)	1.50E+01	3.74E+01	9.38E+01
Methyl Ethyl Ketone (2-Butanone)	78-93-3				4/1/1999				2.87E+00	7.16E+00	1.79E+01
Methyl Isocyanate	624-83-9		12/1/2001			3.60E+01 (ch)	1.31E+02 (ch)	3.01E+02 (ch)			
4,4'-Methylene Bis (2-Chloroaniline) (MOCA)	101-14-4	4/1/1999				3.54E-02 (ca)	1.29E-01 (ca)	2.96E-01 (ca)			
Methylene Chloride (Dichloromethane)	75-09-2	7/1/1989	2/1/2000		4/1/1999	1.52E+01 (ca)	5.53E+01 (ca)	1.27E+02 (ca)	3.09E+00	7.71E+00	1.93E+01
4,4'-Methylene Dianiline (And Its Dichloride)	101-77-9	4/1/1999	12/1/2001			4.60E-03 (ca)	1.68E-02 (ca)	3.85E-02 (ca)			
Methylene Diphenyl Isocyanate	101-68-8		1/1/2001			2.52E+01 (ch)	9.18E+01 (ch)	2.11E+02 (ch)			
Michler's Ketone (4,4'-Bis(Dimethylamino) Benzophenone)	90-94-8	4/1/1999				6.18E-02 (ca)	2.25E-01 (ca)	5.17E-01 (ca)			
N-Nitrosodi-N-Butylamine	924-16-3	4/99[1/92]				4.83E-03 (ca)	1.76E-02 (ca)	4.04E-02 (ca)			
N-Nitrosodi-N-Propylamine	621-64-7	4/99[1/91]				7.59E-03 (ca)	2.77E-02 (ca)	6.35E-02 (ca)			
N-Nitrosodiethylamine	55-18-5	4/99[1/91]				1.48E-03 (ca)	5.38E-03 (ca)	1.23E-02 (ca)			
N-Nitrosodimethylamine	62-75-9	4/99[1/91]				3.32E-03 (ca)	1.21E-02 (ca)	2.78E-02 (ca)			
N-Nitrosodiphenylamine	86-30-6	4/1/1999				5.91E+00 (ca)	2.15E+01 (ca)	4.94E+01 (ca)			
N-Nitroso-N-Methylethylamine	10595-95-6	4/99[7/90]				2.42E-03 (ca)	8.80E-03 (ca)	2.02E-02 (ca)			
N-Nitrosomorpholine	59-89-2	4/99[7/92]				7.93E-03 (ca)	2.89E-02 (ca)	6.63E-02 (ca)			
N-Nitrosopiperidine	100-75-4	4/99[7/92]				5.65E-03 (ca)	2.06E-02 (ca)	4.73E-02 (ca)			
N-Nitrosopyrrolidine	930-55-2	4/99[7/90]				2.53E-02 (ca)	9.22E-02 (ca)	2.12E-01 (ca)			
Nickel And Compounds	7440-02-0	8/1/1991	3/23/2012	3/23/2012	3/23/2012	5.84E-02 (ca)	2.13E-01 (ca)	4.88E-01 (ca)	4.42E-05	1.10E-04	2.76E-04
Nickel Acetate	373-02-4	8/1/1991	3/23/2012	3/23/2012	3/23/2012	1.76E-01 (ca)	6.40E-01 (ca)	1.47E+00 (ca)	1.33E-04	3.32E-04	8.31E-04
Nickel Carbonate	3333-67-3	8/1/1991	3/23/2012	3/23/2012	3/23/2012	1.18E-01 (ca)	4.30E-01 (ca)	9.87E-01 (ca)	8.93E-05	2.23E-04	5.58E-04
Nickel Carbonyl	13463-39-3	8/1/1991	3/23/2012	3/23/2012	3/23/2012	1.70E-01 (ca)	6.19E-01 (ca)	1.42E+00 (ca)	1.28E-04	3.20E-04	8.03E-04
Nickel Hydroxide	12054-48-7	8/1/1991	3/23/2012	3/23/2012	3/23/2012	9.22E-02 (ca)	3.36E-01 (ca)	7.71E-01 (ca)	6.98E-05	1.74E-04	4.36E-04
Nickelocene	1271-28-9	8/1/1991	3/23/2012	3/23/2012	3/23/2012	1.18E-01 (ca)	4.31E-01 (ca)	9.89E-01 (ca)	8.95E-05	2.23E-04	5.59E-04
Nickel Oxide	1313-99-1	8/1/1991	3/23/2012	3/23/2012	3/23/2012	7.43E-02 (ca)	2.71E-01 (ca)	6.21E-01 (ca)	5.62E-05	1.40E-04	3.51E-04
Nickel Refinery Dust From The Pyrometallurgical Process	0	8/1/1991	3/23/2012	3/23/2012	3/23/2012	5.84E-02 (ca)	2.13E-01 (ca)	4.88E-01 (ca)	4.42E-05	1.10E-04	2.76E-04
Nickel Subsulfide	12035-72-2	8/1/1991	3/23/2012	3/23/2012	3/23/2012	2.39E-01 (ca)	8.71E-01 (ca)	2.00E+00 (ca)	1.81E-04	4.51E-04	1.13E-03
Nitric Acid	7697-37-2				4/1/1999				1.90E-02	4.74E-02	1.19E-01
P-Nitrosodiphenylamine	156-10-5	4/1/1999				2.42E+00 (ca)	8.80E+00 (ca)	2.02E+01 (ca)			
Particulate Emissions From Diesel-Fueled Engines	9901	8/1/1998	8/1/1998			4.83E-02 (ca)	1.76E-01 (ca)	4.04E-01 (ca)			
Perchloroethylene (Tetrachloroethylene)	127-18-4	10/1/1991	10/1/1991		4/1/1999	2.53E+00 (ca)	9.22E+00 (ca)	2.12E+01 (ca)	4.42E+00	1.10E+01	2.76E+01
Phenol	108-95-2		4/1/2000		4/1/1999	7.20E+03 (ch)	2.62E+04 (ch)	6.02E+04 (ch)	1.28E+00	3.19E+00	8.00E+00
Phosgene	75-44-5				4/1/1999				8.83E-04	2.20E-03	5.52E-03

Table 1.0 – Screening Emission Levels (continued)

Pollutant		Date Toxicity Criteria Last Updated				Annual Pollutant Screening Level			Hourly Pollutant Screening Level		
Toxic Air Contaminant	**CAS No**	**Cancer**	**Chronic**	**8-hr Chronic**	**Acute**	**Emissions at 25 m, lb/yr**	**Emissions at 50 m, lb/yr**	**Emissions at 100 m, lb/yr**	**Emissions at 25 m, lb/hr**	**Emissions at 50 m, lb/hr**	**Emissions at 100 m, lb/hr**
Phosphine	7803-51-2		9/3/2002			2.88E+01 (ch)	1.05E+02 (ch)	2.41E+02 (ch)			
Phosphoric Acid	7664-38-2		2/1/2000			2.52E+02 (ch)	9.18E+02 (ch)	2.11E+03 (ch)			
Phthalic Anhydride	85-44-9		1/1/2001			7.20E+02 (ch)	2.62E+03 (ch)	6.02E+03 (ch)			
PCB (Polychlorinated Biphenyls) (Unspeciated Mixture) [Lowest Risk]	1336-36-3	4/1/1999				4.01E-02 (ca)	1.46E-01 (ca)	3.35E-01 (ca)			
PCB (Polychlorinated Biphenyls) (Unspeciated Mixture) [Low Risk]	1336-36-3	4/1/1999				7.02E-03 (ca)	2.55E-02 (ca)	5.87E-02 (ca)			
PCB (Polychlorinated Biphenyls) (Unspeciated Mixture) [High Risk]	1336-36-3	4/1/1999				1.40E-03 (ca)	5.11E-03 (ca)	1.17E-02 (ca)			
3,3',4,4'-Tetrachlorobiphenyl (PCB 77)	32598-13-3	8/29/2003	8/29/2003			1.48E-04 (ca)	5.40E-04 (ca)	1.24E-03 (ca)			
3,4,4',5-Tetrachlorobiphenyl (PCB 81)	70362-50-4	1/31/2011	1/31/2011			4.94E-05 (ca)	1.80E-04 (ca)	4.13E-04 (ca)			
2,3,3',4,4'-Pentachlorobiphenyl (PCB 105)	32598-14-4	1/31/2011	1/31/2011			4.94E-04 (ca)	1.80E-03 (ca)	4.13E-03 (ca)			
2,3,4,4',5-Pentachlorobiphenyl (PCB 114)	74472-37-0	1/31/2011	1/31/2011			4.94E-04 (ca)	1.80E-03 (ca)	4.13E-03 (ca)			
2,3',4,4',5-Pentachlorobiphenyl (PCB 118)	31508-00-6	1/31/2011	1/31/2011			4.94E-04 (ca)	1.80E-03 (ca)	4.13E-03 (ca)			
2,3',4,4',5'-Pentachlorobiphenyl (PCB 123)	65510-44-3	1/31/2011	1/31/2011			4.94E-04 (ca)	1.80E-03 (ca)	4.13E-03 (ca)			
3,3',4,4',5-Pentachlorobiphenyl (PCB 126)	57465-28-8	8/29/2003	8/29/2003			1.48E-07 (ca)	5.40E-07 (ca)	1.24E-06 (ca)			
2,3,3',4,4',5-Hexachlorobiphenyl (PCB 156)	38380-08-4	1/31/2011	1/31/2011			4.94E-04 (ca)	1.80E-03 (ca)	4.13E-03 (ca)			
2,3,3',4,4',5'-Hexachlorobiphenyl (PCB 157)	69782-90-7	1/31/2011	1/31/2011			4.94E-04 (ca)	1.80E-03 (ca)	4.13E-03 (ca)			
2,3',4,4',5,5'-Hexachlorobiphenyl (PCB 167)	52663-72-6	1/31/2011	1/31/2011			4.94E-04 (ca)	1.80E-03 (ca)	4.13E-03 (ca)			
3,3',4,4',5,5'-Hexachlorobiphenyl (PCB 169)	32774-16-6	1/31/2011	1/31/2011			4.94E-07 (ca)	1.80E-06 (ca)	4.13E-06 (ca)			
2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB 189)	39635-31-9	1/31/2011	1/31/2011			4.94E-04 (ca)	1.80E-03 (ca)	4.13E-03 (ca)			
Polychlorinated Dibenzo-P-Dioxins (PCDD)	1086	8/1/1986	2/1/2000			1.59E-08 (ca)	5.79E-08 (ca)	1.33E-07 (ca)			
2,3,7,8-Tetrachlorodi benzo-P-Dioxin	1746-01-6	8/1/1986	2/1/2000			1.59E-08 (ca)	5.79E-08 (ca)	1.33E-07 (ca)			
1,2,3,7,8-Pentachlorodi benzo-P-Dioxin	40321-76-4	8/1/2003	8/1/2003			1.59E-08 (ca)	5.79E-08 (ca)	1.33E-07 (ca)			
1,2,3,4,7,8-Hexachlorodi benzo-P-Dioxin	39227-28-6	4/1/1999	2/1/2000			1.59E-07 (ca)	5.79E-07 (ca)	1.33E-06 (ca)			
1,2,3,6,7,8-Hexachlorodi benzo-P-Dioxin	57653-85-7	4/1/1999	2/1/2000			1.59E-07 (ca)	5.79E-07 (ca)	1.33E-06 (ca)			
1,2,3,7,8,9-Hexachlorodi benzo-P-Dioxin	19408-74-3	4/1/1999	2/1/2000			1.59E-07 (ca)	5.79E-07 (ca)	1.33E-06 (ca)			
1,2,3,4,6,7,8-Heptachloro dibenzo-P-Dioxin	35822-46-9	4/1/1999	2/1/2000			1.59E-06 (ca)	5.79E-06 (ca)	1.33E-05 (ca)			
1,2,3,4,6,7,8,9-Octachloro dibenzo-P-Dioxin	3268-87-9	1/31/2011	1/31/2011			5.30E-05 (ca)	1.93E-04 (ca)	4.43E-04 (ca)			
Polychlorinated Dibenzofurans (PCDF)	1080	8/1/1986	2/1/2000			2.25E-08 (ca)	8.19E-08 (ca)	1.88E-07 (ca)			
2,3,7,8-Tetrachlorodibenzofuran	5120-73-19	4/1/1999	2/1/2000			2.25E-07 (ca)	8.19E-07 (ca)	1.88E-06 (ca)			
1,2,3,7,8-Pentachlorodibenzofuran	57117-41-6	1/31/2011	1/31/2011			7.49E-07 (ca)	2.73E-06 (ca)	6.26E-06 (ca)			

Table 1.0 – Screening Emission Levels (continued)

Pollutant		Date Toxicity Criteria Last Updated				Annual Pollutant Screening Level			Hourly Pollutant Screening Level		
Toxic Air Contaminant	CAS No	Cancer	Chronic	8-hr Chronic	Acute	Emissions at 25 m, lb/yr	Emissions at 50 m, lb/yr	Emissions at 100 m, lb/yr	Emissions at 25 m, lb/hr	Emissions at 50 m, lb/hr	Emissions at 100 m, lb/hr
2,3,4,7,8-Pentachlorodibenzofuran	57117-31-4	1/31/2011	1/31/2011			7.49E-08 (ca)	2.73E-07 (ca)	6.26E-07 (ca)			
1,2,3,4,7,8-Hexachlorodibenzofuran	70648-26-9	4/1/1999	2/1/2000			2.25E-07 (ca)	8.19E-07 (ca)	1.88E-06 (ca)			
1,2,3,6,7,8-Hexachlorodibenzofuran	57117-44-9	4/1/1999	2/1/2000			2.25E-07 (ca)	8.19E-07 (ca)	1.88E-06 (ca)			
1,2,3,7,8,9-Hexachlorodibenzofuran	72918-21-9	4/1/1999	2/1/2000			2.25E-07 (ca)	8.19E-07 (ca)	1.88E-06 (ca)			
2,3,4,6,7,8-Hexachlorodibenzofuran	60851-34-5	4/1/1999	2/1/2000			2.25E-07 (ca)	8.19E-07 (ca)	1.88E-06 (ca)			
1,2,3,4,6,7,8-Heptachlorodibenzofuran	67562-39-4	4/1/1999	2/1/2000			2.25E-06 (ca)	8.19E-06 (ca)	1.88E-05 (ca)			
1,2,3,4,7,8,9-Heptachlorodibenzofuran	55673-89-7	4/1/1999	2/1/2000			2.25E-06 (ca)	8.19E-06 (ca)	1.88E-05 (ca)			
1,2,3,4,6,7,8,9-Octachlorodibenzofuran	39001-02-0	1/31/2011	1/31/2011			7.49E-05 (ca)	2.73E-04 (ca)	6.26E-04 (ca)			
Polycyclic Aromatic Hydrocarbon (PAH)	1150	4/99[4/94]				1.45E-02 (ca)	4.41E-02 (ca)	9.00E-02 (ca)			
Benz(A)Anthracene	56-55-3	4/99[4/94]				5.89E-03 (ca)	2.15E-02 (ca)	4.93E-02 (ca)			
Benzo(A)Pyrene	50-32-8	4/99[4/94]				5.89E-04 (ca)	2.15E-03 (ca)	4.93E-03 (ca)			
Benzo(B)Fluoranthene	205-99-2	4/99[4/94]				5.89E-03 (ca)	2.15E-02 (ca)	4.93E-02 (ca)			
Benzo(J)Fluoranthene	205-82-3	4/99[4/94]				5.89E-03 (ca)	2.15E-02 (ca)	4.93E-02 (ca)			
Benzo(K)Fluoranthene	207-08-9	4/99[4/94]				5.89E-03 (ca)	2.15E-02 (ca)	4.93E-02 (ca)			
Chrysene	218-01-9	4/99[4/94]				5.89E-02 (ca)	2.15E-01 (ca)	4.93E-01 (ca)			
Dibenz(A,H)Acridine	226-36-8	4/99[4/94]				5.89E-03 (ca)	2.15E-02 (ca)	4.93E-02 (ca)			
Dibenz(A,H)Anthracene	53-70-3	4/99[4/94]				1.62E-03 (ca)	5.91E-03 (ca)	1.36E-02 (ca)			
Dibenz(A,J)Acridine	224-42-0	4/99[4/94]				5.89E-03 (ca)	2.15E-02 (ca)	4.93E-02 (ca)			
Dibenzo(A,E)Pyrene	192-65-4	4/99[4/94]				5.89E-04 (ca)	2.15E-03 (ca)	4.93E-03 (ca)			
Dibenzo(A,H)Pyrene	189-64-0	4/99[4/94]				5.89E-05 (ca)	2.15E-04 (ca)	4.93E-04 (ca)			
Dibenzo(A,I)Pyrene	189-55-9	4/99[4/94]				5.89E-05 (ca)	2.15E-04 (ca)	4.93E-04 (ca)			
Dibenzo(A,L)Pyrene	191-30-0	4/99[4/94]				5.89E-05 (ca)	2.15E-04 (ca)	4.93E-04 (ca)			
7H-Dibenzo(C,G)Carbazole	194-59-2	4/99[4/94]				5.89E-04 (ca)	2.15E-03 (ca)	4.93E-03 (ca)			
7,12-Dimethylbenz(A) Anthracene	57-97-6	4/99[4/94]				2.66E-05 (ca)	9.69E-05 (ca)	2.22E-04 (ca)			
1,6-Dinitropyrene	42397-64-8	4/99[4/94]				5.89E-05 (ca)	2.15E-04 (ca)	4.93E-04 (ca)			
1,8-Dinitropyrene	42397-65-9	4/99[4/94]				5.89E-04 (ca)	2.15E-03 (ca)	4.93E-03 (ca)			
Indeno(1,2,3-C,D)Pyrene	193-39-5	4/99[4/94]				5.89E-03 (ca)	2.15E-02 (ca)	4.93E-02 (ca)			
3-Methylcholanthrene	56-49-5	4/99[4/94]				3.02E-04 (ca)	1.10E-03 (ca)	2.53E-03 (ca)			
5-Methylchrysene	3697-24-3	4/99[4/94]				5.89E-04 (ca)	2.15E-03 (ca)	4.93E-03 (ca)			
Naphthalene	91-20-3	8/4/2004	4/1/2000			4.43E-01 (ca)	1.61E+00 (ca)	3.70E+00 (ca)			
5-Nitroacenaphthene	602-87-9	4/99[4/94]				5.12E-02 (ca)	1.86E-01 (ca)	4.28E-01 (ca)			
6-Nitrochrysene	7496-02-8	4/99[4/94]				5.89E-05 (ca)	2.15E-04 (ca)	4.93E-04 (ca)			
2-Nitrofluorene	607-57-8	4/99[4/94]				5.89E-02 (ca)	2.15E-01 (ca)	4.93E-01 (ca)			
1-Nitropyrene	5522-43-0	4/99[4/94]				5.89E-03 (ca)	2.15E-02 (ca)	4.93E-02 (ca)			
4-Nitropyrene	57835-92-4	4/99[4/94]				5.89E-03 (ca)	2.15E-02 (ca)	4.93E-02 (ca)			
1,3-Propane Sultone	1120-71-4	4/1/1999				2.21E-02 (ca)	8.06E-02 (ca)	1.85E-01 (ca)			

Table 1.0 – Screening Emission Levels (continued)

Pollutant		Date Toxicity Criteria Last Updated				Annual Pollutant Screening Level			Hourly Pollutant Screening Level		
Toxic Air Contaminant	**CAS No**	**Cancer**	**Chronic**	**8-hr Chronic**	**Acute**	**Emissions at 25 m, lb/yr**	**Emissions at 50 m, lb/yr**	**Emissions at 100 m, lb/yr**	**Emissions at 25 m, lb/hr**	**Emissions at 50 m, lb/hr**	**Emissions at 100 m, lb/hr**
Propylene (Propene)	115-07-1		4/1/2000			1.08E+05 (ch)	3.93E+05 (ch)	9.03E+05 (ch)			
Propylene Glycol Monomethyl Ether	107-98-2		2/1/2000			2.52E+05 (ch)	9.18E+05 (ch)	2.11E+06 (ch)			
Propylene Oxide	75-56-9	4/99[7/90]	2/1/2000		4/1/1999	4.09E+00 (ca)	1.49E+01 (ca)	3.42E+01 (ca)	6.85E-01	1.71E+00	4.28E+00
Selenium And Compounds	7782-49-2		12/1/2001			3.68E+00 (ch)	1.34E+01 (ch)	3.08E+01 (ch)			
Hydrogen Selenide	7783-07-5				4/1/1999				1.10E-03	2.75E-03	6.90E-03
Selenium Sulfide	7446-34-6		12/1/2001			3.68E+00 (ch)	1.34E+01 (ch)	3.08E+01 (ch)			
Sodium Hydroxide	1310-73-2				4/1/1999				1.77E-03	4.40E-03	1.10E-02
Styrene	100-42-5		4/1/2000		4/1/1999	3.24E+04 (ch)	1.18E+05 (ch)	2.71E+05 (ch)	2.65E-02	6.61E-02	1.66E-01
Sulfuric Acid (Sulfur Trioxide)	7446-71-9		12/1/2008		4/1/1999	3.60E+01 (ch)	1.31E+02 (ch)	3.01E+02 (ch)	2.65E-02	6.61E-02	1.66E-01
Sulfuric Acid (Oleum)	8014-95-7				4/1/1999				2.65E-02	6.61E-02	1.66E-01
1,1,2,2-Tetrachloroethane	79-34-5	4/1/1999				2.66E-01 (ca)	9.68E-01 (ca)	2.22E+00 (ca)			
Thioacetamide	62-55-5	4/1/1999				8.71E-03 (ca)	3.17E-02 (ca)	7.28E-02 (ca)			
Toluene	108-88-3		4/1/2000		4/1/1999	1.08E+04 (ch)	3.93E+04 (ch)	9.03E+04 (ch)	8.17E+00	2.04E+01	5.11E+01
Toluene Diisocyantates	26471-62-5	4/1/1999	1/1/2001			1.36E+00 (ca)	4.96E+00 (ca)	1.14E+01 (ca)			
Toluene-2,4-Diisocyanate	584-84-9	4/1/1999	1/1/2001	3/30/2016	3/30/2016	1.29E-01 (8hr)	4.68E-01 (8hr)	1.07E+00 (8hr)	4.42E-04	1.10E-03	2.76E-03
Toluene-2,6-Diisocyanate	91-08-7	4/1/1999	1/1/2001	3/30/2016	3/30/2016	1.29E-01 (8hr)	4.68E-01 (8hr)	1.07E+00 (8hr)	4.42E-04	1.10E-03	2.76E-03
1,1,2-Trichloroethane (Vinyl Trichloride)	79-00-5	4/1/1999				9.32E-01 (ca)	3.40E+00 (ca)	7.79E+00 (ca)			
Trichloroethylene	79-01-6	10/1/1990	4/1/2000			7.59E+00 (ca)	2.77E+01 (ca)	6.35E+01 (ca)			
Triethylamine	121-44-8		9/3/2002		4/1/1999	7.20E+03 (ch)	2.62E+04 (ch)	6.02E+04 (ch)	6.18E-01	1.54E+00	3.86E+00
Urethane (Ethyl Carbamate)	51-79-6	4/99[7/90]				5.31E-02 (ca)	1.94E-01 (ca)	4.44E-01 (ca)			
Vanadium (Fume Or Dust)	7440-62-2				4/1/1999				6.63E-03	1.65E-02	4.14E-02
Vanadium Pentoxide	1314-62-1				4/1/1999				6.63E-03	1.65E-02	4.14E-02
Vinyl Acetate	108-05-4		12/1/2001			7.20E+03 (ch)	2.62E+04 (ch)	6.02E+04 (ch)			
Vinyl Chloride (Chloroethylene)	75-01-4	12/1/1990			4/1/1999	1.97E-01 (ca)	7.17E-01 (ca)	1.65E+00 (ca)	3.98E+01	9.91E+01	2.48E+02
Vinylidene Chloride (1,1-Dichloroethylene)	75-35-4		1/1/2001			2.52E+03 (ch)	9.18E+03 (ch)	2.11E+04 (ch)			
Xylenes (Mixed Isomers)	1330-20-7		4/1/2000		4/1/1999	2.52E+04 (ch)	9.18E+04 (ch)	2.11E+05 (ch)	4.86E+00	1.21E+01	3.04E+01
M-Xylene	108-38-3		4/1/2000		4/1/1999	2.52E+04 (ch)	9.18E+04 (ch)	2.11E+05 (ch)	4.86E+00	1.21E+01	3.04E+01
O-Xylene	95-47-6		4/1/2000		4/1/1999	2.52E+04 (ch)	9.18E+04 (ch)	2.11E+05 (ch)	4.86E+00	1.21E+01	3.04E+01
P-Xylene	106-42-3		4/1/2000		4/1/1999	2.52E+04 (ch)	9.18E+04 (ch)	2.11E+05 (ch)	4.86E+00	1.21E+01	3.04E+01

Table 2.0 – References for CP, RELs, MWAF, and Target Organs Affected by TACs

For the most recent information on Cancer Potency (CP), Reference Exposure Levels (REL), and Molecular Weight Adjustment Factors (MWAF), please refer to the Consolidated Table of OEHHA/ARB Approved Risk Assessment Health Values, which can be found on CARB's website at https://www.arb.ca.gov/toxics/healthval/contable.pdf.

For the most recent information on target organs affected by TACs for non-cancer chronic and acute HI calculations, please refer to the Target Organs Tables, which can be found on CARB's website at https://www.arb.ca.gov/toxics/healthval/totables.pdf.

Table 3.0 – MP Adjustment Factors

MP Adjustment Factors – Cancer	Table 3.1
MP Adjustment Factors – Chronic	Table 3.2

Table 3.1 - MP Adjustment Factors - Cancer

Toxic Air Contaminant	CAS No.	Cancer MP Ratio							
		30 Year		9 Year		5 Year		2 Year	
		Res	Work	Res	Work	Res	Work	Res	Work
Arsenic and Compounds (Inorganic)	7440-38-2	9.71	4.52	12.68	4.33	12.52	4.33	12.33	4.33
Chromium 6+	18540-299	1.60	1.02	1.78	1.02	1.75	1.02	1.73	1.02
Barium Chromate	10294-40-3	1.60	1.02	1.78	1.02	1.75	1.02	1.73	1.02
Calcium Chromate	13765-19-0	1.60	1.02	1.78	1.02	1.75	1.02	1.73	1.02
Lead Chromate	7758-97-6	1.60	1.02	1.78	1.02	1.75	1.02	1.73	1.02
Sodium Dichromate	10588-01-9	1.60	1.02	1.78	1.02	1.75	1.02	1.73	1.02
Strontium Chromate	7789-06-2	1.60	1.02	1.78	1.02	1.75	1.02	1.73	1.02
Chromic Trioxide (as Chromic Acid Mist)	1333-82-0	1.60	1.02	1.78	1.02	1.75	1.02	1.73	1.02
Di(2-Ethylhexyl)Phthalate (DEHP)	117-81-7	5.22	1.05	7.12	1.05	6.88	1.05	6.59	1.05
Hexachlorocyclohexanes	608-73-1	5.39	1.25	7.33	1.24	7.11	1.24	6.85	1.24
Alpha-Hexachlorocyclohexane	319-84-6	5.39	1.25	7.33	1.24	7.11	1.24	6.85	1.24
Beta-Hexachlorocyclohexane	319-85-7	5.39	1.25	7.33	1.24	7.11	1.24	6.85	1.24
Gamma-Hexachlorocyclohexane (Lindane)	58-89-9	5.39	1.25	7.33	1.24	7.11	1.24	6.85	1.24
Lead and Compounds (Inorganic)	7439-92-1	11.41	5.83	14.81	5.62	15.11	5.62	15.22	5.63
Lead and Compounds (Inorganic)	7439-92-1	11.41	5.83	14.81	5.62	15.11	5.62	15.22	5.63
Lead Acetate	301-04-2	11.41	5.83	14.81	5.62	15.11	5.62	15.22	5.63
Lead Phosphate	7446-27-7	11.41	5.83	14.81	5.62	15.12	5.62	15.22	5.62
Lead Subacetate	1335-32-6	11.41	5.83	14.81	5.62	15.11	5.62	15.22	5.62
4,4'-Methylene Dianiline (and its Dichloride)	101-77-9	7.22	2.47	9.79	2.41	9.52	2.41	9.20	2.41
PCB (Polychlorinated Biphenyls)	1336-36-3	18.94	13.12	24.80	12.57	24.55	12.57	24.25	12.57
3,3',4,4'-Tetrachlorobiphenyl (PCB 77)	32598-13-3	27.57	13.12	24.80	12.57	40.63	12.57	45.53	12.57
3,4,4',5-Tetrachlorobiphenyl (PCB 81)	70362-50-4	27.57	13.12	24.80	12.57	40.63	12.57	45.53	12.57
2,3,3',4,4'-Pentachlorobiphenyl (PCB 105)	32598-14-4	27.57	13.12	24.80	12.57	40.63	12.57	45.53	12.57
2,3,4,4',5-Pentachlorobiphenyl (PCB 114)	74472-37-0	27.57	13.12	24.80	12.57	40.63	12.57	45.53	12.57
2,3',4,4',5-Pentachlorobiphenyl (PCB 118)	31508-00-6	27.57	13.12	24.80	12.57	40.63	12.57	45.53	12.57
2,3',4,4',5'-Pentachlorobiphenyl (PCB 123)	65510-44-3	27.57	13.12	24.80	12.57	40.63	12.57	45.53	12.57
3,3',4,4',5-Pentachlorobiphenyl (PCB 126)	57465-28-8	27.57	13.12	24.80	12.57	40.63	12.57	45.53	12.57
2,3,3',4,4',5-Hexachlorobiphenyl (PCB 156)	38380-08-4	27.57	13.12	24.80	12.57	40.63	12.57	45.53	12.57
2,3,3',4,4',5'-Hexachlorobiphenyl (PCB 157)	69782-90-7	27.57	13.12	24.80	12.57	40.63	12.57	45.53	12.57
2,3',4,4',5,5'-Hexachlorobiphenyl (PCB 167)	52663-72-6	27.57	13.12	24.80	12.57	40.63	12.57	45.53	12.57
3,3',4,4',5,5'-Hexachlorobiphenyl (PCB 169)	32774-16-6	27.57	13.12	24.80	12.57	40.63	12.57	45.53	12.57
2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB 189)	39635-31-9	27.57	13.12	24.80	12.57	40.63	12.57	45.53	12.57
Polychlorinated Dibenzo-p-Dioxins (PCDD)	1086	25.72	7.58	16.00	7.27	39.91	7.27	46.38	7.27
2,3,7,8-Tetrachlorodibenzo-p-Dioxin	1746-01-6	25.72	7.58	16.00	7.27	39.91	7.27	46.38	7.27
1,2,3,7,8-Pentachlorodibenzo-p-Dioxin	40321-76-4	25.72	7.58	16.00	7.27	39.91	7.27	46.38	7.27
1,2,3,4,7,8-Hexachlorodibenzo-p-Dioxin	39227-28-6	25.72	7.58	16.00	7.27	39.91	7.27	46.38	7.27
1,2,3,6,7,8-Hexachlorodibenzo-p-Dioxin	57653-85-7	25.72	7.58	16.00	7.27	39.91	7.27	46.38	7.27
1,2,3,7,8,9-Hexachlorodibenzo-p-Dioxin	19408-74-3	25.72	7.58	16.00	7.27	39.91	7.27	46.38	7.27
1,2,3,4,6,7,8-Heptachlorodibenzo-p-Dioxin	35822-46-9	25.72	7.58	16.00	7.27	39.91	7.27	46.38	7.27
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-Dioxin	3268-87-9	25.72	7.58	16.00	7.27	39.91	7.27	46.38	7.27
Polychlorinated Dibenzofurans (PCDF)	1080	18.19	7.58	16.00	7.27	26.80	7.27	29.99	7.27
2,3,7,8-Tetrachlorodibenzofuran	5120-73-19	18.19	7.58	16.00	7.27	26.80	7.27	29.99	7.27
1,2,3,7,8-Pentachlorodibenzofuran	57117-41-6	18.19	7.58	16.00	7.27	26.80	7.27	29.99	7.27
2,3,4,7,8-Pentachlorodibenzofuran	57117-31-4	18.19	7.58	16.00	7.27	26.80	7.27	29.99	7.27
1,2,3,4,7,8-Hexachlorodibenzofuran	70648-26-9	18.19	7.58	16.00	7.27	26.80	7.27	29.99	7.27
1,2,3,6,7,8-Hexachlorodibenzofuran	57117-44-9	18.19	7.58	16.00	7.27	26.80	7.27	29.99	7.27
1,2,3,7,8,9-Hexachlorodibenzofuran	72918-21-9	18.19	7.58	16.00	7.27	26.80	7.27	29.99	7.27
2,3,4,6,7,8-Hexachlorodibenzofuran	60851-34-5	18.19	7.58	16.00	7.27	26.80	7.27	29.99	7.27
1,2,3,4,6,7,8-Heptachlorodibenzofuran	67562-39-4	18.19	7.58	16.00	7.27	26.80	7.27	29.99	7.27

Table 3.1 – MP Adjustment Factors – Cancer (continued)

Toxic Air Contaminant	CAS No.	Cancer MP Ratio							
		30 Year		9 Year		5 Year		2 Year	
		Res	Work	Res	Work	Res	Work	Res	Work
1,2,3,4,7,8,9-Heptachlorodibenzofuran	55673-89-7	18.19	7.58	16.00	7.27	26.80	7.27	29.99	7.27
1,2,3,4,6,7,8,9-Octachlorodibenzofuran	39001-02-0	18.19	7.58	16.00	7.27	26.80	7.27	29.99	7.27
Polycyclic Aromatic Hydrocarbon (PAH)	1151	23.12	6.62	28.21	6.34	33.72	6.34	35.81	6.34
Benz(a)Anthracene	56-55-3	23.12	6.62	28.21	6.34	33.72	6.34	35.81	6.34
Benzo(a)Pyrene	50-32-8	23.12	6.62	28.21	6.34	33.72	6.34	35.81	6.34
Benzo(b)Fluoranthene	205-99-2	23.12	6.62	28.21	6.34	33.72	6.34	35.81	6.34
Benzo(j)Fluoranthene	205-82-3	23.12	6.62	28.21	6.34	33.72	6.34	35.81	6.34
Benzo(k)Fluoranthene	207-08-9	23.12	6.62	28.21	6.34	33.72	6.34	35.81	6.34
Chrysene	218-01-9	23.12	6.62	28.21	6.34	33.72	6.34	35.81	6.34
Dibenz(a,h)Acridine	226-36-8	23.12	6.62	28.21	6.34	33.72	6.34	35.81	6.34
Dibenz(a,h)Anthracene	53-70-3	7.99	2.48	9.64	2.42	11.40	2.42	12.04	2.42
Dibenz(a,j)Acridine	224-42-0	23.12	6.62	28.21	6.34	33.72	6.34	35.81	6.34
Dibenzo(a,e)Pyrene	192-65-4	23.12	6.62	28.21	6.34	33.72	6.34	35.81	6.34
Dibenzo(a,h)Pyrene	189-64-0	23.12	6.62	28.21	6.34	33.72	6.34	35.81	6.34
Dibenzo(a,i)Pyrene	189-55-9	23.12	6.62	28.21	6.34	33.72	6.34	35.81	6.34
Dibenzo(a,l)Pyrene	191-30-0	23.12	6.62	28.21	6.34	33.72	6.34	35.81	6.34
7H-Dibenzo(c,g)Carbazole	194-59-2	23.12	6.62	28.21	6.34	33.72	6.34	35.81	6.34
7,12-Dimethylbenz(a) Anthracene	57-97-6	7.99	2.48	9.64	2.42	11.40	2.42	12.04	2.42
1,6-Dinitropyrene	42397-64-8	23.12	6.62	28.21	6.34	33.72	6.34	35.81	6.34
1,8-Dinitropyrene	42397-65-9	23.12	6.62	28.21	6.34	33.72	6.34	35.81	6.34
Indeno(1,2,3-c,d)Pyrene	193-39-5	23.12	6.62	28.21	6.34	33.72	6.34	35.81	6.34
3-Methylcholanthrene	56-49-5	7.99	2.48	9.64	2.42	11.40	2.42	12.04	2.42
5-Methylchrysene	3697-24-3	23.12	6.62	28.21	6.34	33.72	6.34	35.81	6.34
5-Nitroacenaphthene	602-87-9	7.99	2.49	9.64	2.42	11.40	2.42	12.04	2.42
6-Nitrochrysene	7496-02-8	23.12	6.62	28.21	6.34	33.72	6.34	35.81	6.34
2-Nitrofluorene	607-57-8	23.12	6.62	28.21	6.34	33.72	6.34	35.81	6.34
1-Nitropyrene	5522-43-0	23.12	6.62	28.21	6.34	33.72	6.34	35.81	6.34
4-Nitropyrene	57835-92-4	23.12	6.62	28.21	6.34	33.72	6.34	35.81	6.34

Table 3.2 – MP Adjustment Factors - Chronic

Toxic Air Contaminant	CAS No.	Chronic MP Ratio	
		Residential	Worker
Arsenic and Compounds (Inorganic)	7440-38-2	88.03	28.37
Cadmium and Compounds	7440-43-9	1.98	1.20
Chromium 6+	18540-299	2.44	1.00
Barium Chromate	10294-40-3	2.44	1.00
Calcium Chromate	13765-19-0	2.44	1.00
Lead Chromate	7758-97-6	2.44	1.00
Sodium Dichromate	10588-01-9	2.44	1.00
Strontium Chromate	7789-06-2	2.44	1.00
Fluorides	1101	5.70	2.85
Hydrogen Fluoride (Hydrofluoric Acid)	7664-39-3	6.06	2.99
Mercury and Compounds (Inorganic)	7439-97-6	3.86	2.11
Mercuric Chloride	7487-94-7	3.86	2.11
3,3',4,4'-Tetrachlorobiphenyl (PCB 77)	32598-13-3	243.90	10.82
3,4,4',5-Tetrachlorobiphenyl (PCB 81)	70362-50-4	240.21	10.67
2,3,3',4,4'-Pentachlorobiphenyl (PCB 105)	32598-14-4	240.21	10.67
2,3,4,4',5-Pentachlorobiphenyl (PCB 114)	74472-37-0	240.21	10.67
2,3',4,4',5-Pentachlorobiphenyl (PCB 118)	31508-00-6	240.21	10.67
2,3',4,4',5'-Pentachlorobiphenyl (PCB 123)	65510-44-3	240.21	10.67
3,3',4,4',5-Pentachlorobiphenyl (PCB 126)	57465-28-8	243.90	10.82
2,3,3',4,4',5-Hexachlorobiphenyl (PCB 156)	38380-08-4	240.21	10.67
2,3,3',4,4',5'-Hexachlorobiphenyl (PCB 157)	69782-90-7	240.21	10.67
2,3',4,4',5,5'-Hexachlorobiphenyl (PCB 167)	52663-72-6	240.21	10.67
3,3',4,4',5,5'-Hexachlorobiphenyl (PCB 169)	32774-16-6	240.21	10.67
2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB 189)	39635-31-9	240.21	10.67
Polychlorinated Dibenzo-p-Dioxins (PCDD)	1086	307.60	6.73
2,3,7,8-Tetrachlorodibenzo-p-Dioxin	1746-01-6	307.60	6.73
1,2,3,7,8-Pentachlorodibenzo-p-Dioxin	40321-76-4	307.60	6.73
1,2,3,4,7,8-Hexachlorodibenzo-p-Dioxin	39227-28-6	307.60	6.73
1,2,3,6,7,8-Hexachlorodibenzo-p-Dioxin	57653-85-7	307.60	6.73
1,2,3,7,8,9-Hexachlorodibenzo-p-Dioxin	19408-74-3	307.60	6.73
1,2,3,4,6,7,8-Heptachlorodibenzo-p-Dioxin	35822-46-9	307.60	6.73
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-Dioxin	3268-87-9	302.95	6.64
Polychlorinated Dibenzofurans (PCDF)	1080	154.97	6.73
2,3,7,8-Tetrachlorodibenzofuran	5120-73-19	154.97	6.73
1,2,3,7,8-Pentachlorodibenzofuran	57117-41-6	152.63	6.64
2,3,4,7,8-Pentachlorodibenzofuran	57117-31-4	152.63	6.64
1,2,3,4,7,8-Hexachlorodibenzofuran	70648-26-9	154.97	6.73
1,2,3,6,7,8-Hexachlorodibenzofuran	57117-44-9	154.97	6.73
1,2,3,7,8,9-Hexachlorodibenzofuran	72918-21-9	154.97	6.73
2,3,4,6,7,8-Hexachlorodibenzofuran	60851-34-5	154.97	6.73
1,2,3,4,6,7,8-Heptachlorodibenzofuran	67562-39-4	154.97	6.73
1,2,3,4,7,8,9-Heptachlorodibenzofuran	55673-89-7	154.97	6.73

Table 3.2 – MP Adjustment Factors – Chronic (continued)

Toxic Air Contaminant	CAS No.	Chronic MP Ratio	
		Residential	Worker
1,2,3,4,6,7,8,9-Octachlorodibenzofuran	39001-02-0	152.63	6.64
Selenium and Compounds	7782-49-2	195.58	23.71
Selenium Sulfide	7446-34-6	195.58	23.71

Table 4.0 - CEF

Receptor	Exposure Duration (years)	CEF Tables
Residential	2	Table 4.1 A
	5	Table 4.1 B
	9	Table 4.1 C
	30	Table 4.1 D
	70	Table 4.1 E
Worker	2	Table 4.2 A
	5	Table 4.2 B
	9	Table 4.2 C
	25	Table 4.2 D

Table 4.1 A – CEF for 2 Years **Residential**

Age	Daily Breathing Rate (L/kg-day)	Age Specific Factor	Exposure Duration (years)	Fraction of Time at Home	Exposure Frequency (350 days/year)	CEF_R
-0.25 to 0	361	10	0.25	1	0.96	311.35
0 to 2	1,090	10	2	1	0.96	

Table 4.1 B – CEF for 5 Years **Residential**

Age	Daily Breathing Rate (L/kg-day)	Age Specific Factor	Exposure Duration (years)	Fraction of Time at Home	Exposure Frequency (350 days/year)	CEF_R
-0.25 to 0	361	10	0.25	1	0.96	389.23
0 to 2	1,090	10	2	1	0.96	
2 to 5	631	3	3	1	0.96	

Table 4.1 C – CEF for 9 Years **Residential**

Age	Daily Breathing Rate (L/kg-day)	Age Specific Factor	Exposure Duration (years)	Fraction of Time at Home	Exposure Frequency (350 days/year)	CEF_R
-0.25 to 0	361	10	0.25	1	0.96	493.08
0 to 2	1,090	10	2	1	0.96	
2 to 9	631	3	7	1	0.96	

Table 4.1 D – CEF for 30 Years **Residential**

Age	Daily Breathing Rate (L/kg-day)	Age Specific Factor	Exposure Duration (years)	Fraction of Time at Home	Exposure Frequency (350 days/year)	CEF_R
-0.25 to 0	361	10	0.25	1	0.96	677.4
0 to 2	1,090	10	2	1	0.96	
2 to 16	572	3	14	1	0.96	
16 to 30	261	1	14	0.73	0.96	

Table 4.1 E – CEF for 70 Years **Residential**

Age	Daily Breathing Rate (L/kg-day)	Age Specific Factor	Exposure Duration (years)	Fraction of Time at Home	Exposure Frequency (350 days/year)	CEF_R
-0.25 to 0	361	10	0.25	1	0.96	766.78
0 to 2	1,090	10	2	1	0.96	
2 to 16	572	3	14	1	0.96	
16 to 70	233	1	54	0.73	0.96	

Table 4.2 A – CEF for 2 Years **Worker**

Age	Daily Breathing Rate (L/kg-day)	Age Specific Factor	Exposure Duration (years)	Exposure Frequency (250 days/year)	CEF_W
16 - 41	230	1	2	0.68	4.47

Table 4.2 B – CEF for 5 Years **Worker**

Age	Daily Breathing Rate (L/kg-day)	Age Specific Factor	Exposure Duration (years)	Exposure Frequency (250 days/year)	CEF_W
16 - 41	230	1	5	0.68	11.17

Table 4.2 C – CEF for 9 Years **Worker**

Age	Daily Breathing Rate (L/kg-day)	Age Specific Factor	Exposure Duration (years)	Exposure Frequency (250 days/year)	CEF_W
16 - 41	230	1	9	0.68	20.1

Table 4.2 D – CEF for 25 Years **Worker**

Age	Daily Breathing Rate (L/kg-day)	Age Specific Factor	Exposure Duration (years)	Exposure Frequency (250 days/year)	CEF_W
16 - 41	230	1	25	0.68	55.86

Table 5.0 – WAF

Operating 12 Hours Per Day or Less	Table 5.1
Operating More Than 12 Hours Per Day	Table 5.2

Table 5.1 – WAF Operating 12 Hours Per Day or Less

Hours of Operation Per Day	Days of Operation Per Week						
	1	2	3	4	5	6	7
1	4.2	4.2	4.2	4.2	4.2	3.5	3.0
2	4.2	4.2	4.2	4.2	4.2	3.5	3.0
3	4.2	4.2	4.2	4.2	4.2	3.5	3.0
4	4.2	4.2	4.2	4.2	4.2	3.5	3.0
5	4.2	4.2	4.2	4.2	4.2	3.5	3.0
6	4.2	4.2	4.2	4.2	4.2	3.5	3.0
7	4.2	4.2	4.2	4.2	4.2	3.5	3.0
8	4.2	4.2	4.2	4.2	4.2	3.5	3.0
9	3.7	3.7	3.7	3.7	3.7	3.1	2.7
10	3.4	3.4	3.4	3.4	3.4	2.8	2.4
11	3.1	3.1	3.1	3.1	3.1	2.5	2.2
12	2.8	2.8	2.8	2.8	2.8	2.3	2.0

Note: The WAF value for residential/sensitive receptors is 1.0, which assumes exposure of 24 hours/day, 7 days/week

Table 5.2 – WAF Operating More Than 12 Hours Per Day

Hours of Operation Per Day	Days of Operation Per Week						
	1	2	3	4	5	6	7
13	2.6	2.6	2.6	2.6	2.6	2.2	1.8
14	2.4	2.4	2.4	2.4	2.4	2	1.7
15	2.2	2.2	2.2	2.2	2.2	1.9	1.6
16	2.1	2.1	2.1	2.1	2.1	1.8	1.5
17	2.0	2.0	2.0	2.0	2.0	1.6	1.4
18	1.9	1.9	1.9	1.9	1.9	1.6	1.3
19	1.8	1.8	1.8	1.8	1.8	1.5	1.3
20	1.7	1.7	1.7	1.7	1.7	1.4	1.2
21	1.6	1.6	1.6	1.6	1.6	1.3	1.1
22	1.5	1.5	1.5	1.5	1.5	1.3	1.1
23	1.5	1.5	1.5	1.5	1.5	1.2	1.0
24	1.4	1.4	1.4	1.4	1.4	1.2	1.0

Note: The WAF value for residential/sensitive receptors is 1.0, which assumes exposure of 24 hours/day, 7 days/week

Table 6.0 – χ/Q for General Non-Combustion Point Source Equipment

Equipment Type	Stack Height (ft)	Cancer, Chronic, Chronic 8 Hr χ/Q Tables		Acute χ /Q Table	Source ID
		≤ 12 hr/day	> 12 hr/day		
General Non-Combustion Point Source Equipment	14 ≤ Stack Height < 25	Table 6.1 A	Table 6.1 B	Table 6.4	P1
	25 ≤ Stack Height < 50	Table 6.2 A	Table 6.2 B		P2
	Stack Height ≥ 50	Table 6.3 A	Table 6.3 B		P3

Table 6.1 A – χ/Q for General Non-Combustion Point Source Equipment

14 ft ≤ Stack Height < 25 ft* **< 12 (hrs/day)**

Carcinogenic, Chronic and Chronic 8-Hour χ/Q Values ([µg/m³]/[ton/year])

		Downwind Distance (meters)							
Station Abbr.	**Location**	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
AZUS	**Azusa**	44.54	8.83	4.31	2.39	0.44	0.15	0.05	0.01
BNAP	**Banning**	38.88	9.15	4.83	2.86	0.65	0.24	0.08	0.02
CELA	**Central L.A.**	39.03	8.06	3.86	2.15	0.42	0.14	0.05	0.01
ELSI	**Lake Elsinore**	31.08	6.78	3.28	1.80	0.36	0.12	0.04	0.01
FONT	**Fontana**	45.12	9.39	4.72	2.68	0.54	0.19	0.06	0.01
MSVJ	**Mission Viejo**	32.09	7.04	3.47	1.93	0.36	0.13	0.04	0.01
PERI	**Perris**	27.00	6.57	3.37	1.96	0.43	0.16	0.05	0.01
PICO	**Pico Rivera**	40.64	8.47	4.18	2.38	0.47	0.17	0.05	0.01
RDLD	**Redlands**	43.55	9.17	4.44	2.43	0.45	0.15	0.05	0.01
UPLA	**Upland**	49.43	10.09	5.11	2.93	0.58	0.20	0.07	0.02
KBUR	**Burbank Airport**	46.03	9.54	4.88	2.85	0.59	0.22	0.07	0.02
KCNO	**Chino Airport.**	35.66	8.90	4.72	2.77	0.63	0.24	0.07	0.02
KCQT	**USC/Downtown L.A.**	45.34	9.90	4.96	2.79	0.53	0.18	0.06	0.01
KFUL	**Fullerton Airport**	42.01	9.03	4.67	2.72	0.57	0.20	0.07	0.02
KHHR	**Hawthorne Airport**	50.38	11.10	5.83	3.44	0.75	0.26	0.09	0.02
KLAX	**Los Angeles Int'l Airport**	53.93	12.76	7.14	4.43	1.07	0.39	0.12	0.03
KLGB	**Long Beach Airport**	36.19	8.18	4.34	2.59	0.56	0.21	0.07	0.02
KONT	**Ontario Airport**	46.82	10.65	5.72	3.42	0.77	0.29	0.09	0.02
KPSP	**Palm Springs Airport**	30.91	6.85	3.55	2.06	0.43	0.16	0.05	0.01
KRAL	**Riverside Airport**	44.72	10.63	5.56	3.24	0.69	0.25	0.08	0.02
KSMO	**Santa Monica Airport**	55.55	11.88	6.36	3.83	0.85	0.30	0.10	0.02
KSNA	**John Wayne Int'l Airport**	46.20	10.72	5.63	3.38	0.76	0.29	0.09	0.02
KTRM	**Desert Hot Springs Airport**	33.57	8.31	4.56	2.80	0.65	0.24	0.08	0.02
KVNY	**Van Nuys Airport**	35.79	8.05	4.17	2.43	0.52	0.19	0.06	0.01

*Note: Facilities with stack heights less than 14 feet must perform Tier 3 or 4 dispersion modeling

Table 6.1 B – χ/Q for General Non-Combustion Point Source Equipment

14 ft ≤ Stack Height < 25 ft* **> 12 (hrs/day)**

Carcinogenic, Chronic and Chronic 8-Hour χ/Q Values ([µg/m³]/[ton/year])

		Downwind Distance (meters)							
Station Abbr.	**Location**	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
AZUS	**Azusa**	46.40	12.88	7.73	5.16	1.43	0.47	0.14	0.04
BNAP	**Banning**	49.83	15.25	9.54	6.61	2.13	0.81	0.28	0.09
CELA	**Central L.A.**	37.54	11.42	6.95	4.71	1.31	0.41	0.13	0.04
ELSI	**Lake Elsinore**	34.73	11.44	6.73	4.48	1.32	0.48	0.17	0.05
FONT	**Fontana**	49.30	14.18	8.47	5.69	1.62	0.56	0.17	0.05
MSVJ	**Mission Viejo**	36.69	10.68	6.31	4.23	1.22	0.43	0.15	0.05
PERI	**Perris**	40.07	12.51	7.21	4.74	1.38	0.54	0.19	0.06
PICO	**Pico Rivera**	42.92	12.08	6.91	4.48	1.18	0.42	0.14	0.04
RDLD	**Redlands**	46.28	13.58	9.06	6.65	2.16	0.64	0.18	0.05
UPLA	**Upland**	47.67	13.81	8.41	5.89	1.57	0.52	0.16	0.05
KBUR	**Burbank Airport**	38.66	10.82	6.30	4.14	1.14	0.46	0.17	0.05
KCNO	**Chino Airport.**	37.18	11.76	7.20	4.89	1.59	0.67	0.24	0.08
KCQT	**USC/Downtown L.A.**	46.96	14.53	9.30	6.45	1.86	0.56	0.15	0.05
KFUL	**Fullerton Airport**	37.00	10.76	6.29	4.04	1.20	0.43	0.16	0.05
KHHR	**Hawthorne Airport**	43.98	12.84	7.57	4.95	1.35	0.49	0.17	0.05
KLAX	**Los Angeles Int'l Airport**	45.53	13.60	8.38	5.68	1.76	0.71	0.25	0.08
KLGB	**Long Beach Airport**	35.40	11.99	7.60	5.32	1.71	0.64	0.22	0.07
KONT	**Ontario Airport**	47.53	14.23	8.88	6.14	2.03	0.85	0.32	0.10
KPSP	**Palm Springs Airport**	34.09	11.30	7.14	4.96	1.59	0.65	0.24	0.08
KRAL	**Riverside Airport**	43.31	14.55	9.20	6.41	2.01	0.71	0.23	0.07
KSMO	**Santa Monica Airport**	45.64	13.21	7.80	5.13	1.44	0.53	0.18	0.05
KSNA	**John Wayne Int'l Airport**	41.29	12.48	7.55	5.14	1.57	0.63	0.23	0.07
KTRM	**Desert Hot Springs Airport**	38.50	12.31	7.93	5.57	1.87	0.78	0.29	0.09
KVNY	**Van Nuys Airport**	33.39	10.25	6.07	4.05	1.24	0.49	0.17	0.05

*Note: Facilities with stack heights less than 14 feet must perform Tier 3 or 4 dispersion modeling

Table 6.2 A – χ/Q for General Non-Combustion Point Source Equipment

25 ft ≤ Stack Height < 50 ft **< 12 (hrs/day)**

Carcinogenic, Chronic and Chronic 8-Hour χ/Q Values ([µg/m³]/[ton/year])

		Downwind Distance (meters)							
Station Abbr.	**Location**	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
AZUS	**Azusa**	24.89	6.39	3.37	1.94	0.39	0.14	0.05	0.01
BNAP	**Banning**	20.18	5.81	3.49	2.22	0.57	0.22	0.07	0.02
CELA	**Central L.A.**	22.83	5.57	2.93	1.69	0.36	0.14	0.04	0.01
ELSI	**Lake Elsinore**	19.61	5.12	2.68	1.52	0.32	0.12	0.04	0.01
FONT	**Fontana**	26.01	6.61	3.65	2.18	0.48	0.18	0.06	0.01
MSVJ	**Mission Viejo**	19.35	5.15	2.79	1.62	0.33	0.12	0.04	0.01
PERI	**Perris**	16.03	4.71	2.65	1.61	0.39	0.15	0.05	0.01
PICO	**Pico Rivera**	24.22	5.95	3.23	1.92	0.42	0.16	0.05	0.01
RDLD	**Redlands**	24.11	6.67	3.50	1.99	0.40	0.15	0.05	0.01
UPLA	**Upland**	27.21	7.02	3.91	2.33	0.51	0.19	0.06	0.02
KBUR	**Burbank Airport**	25.74	6.55	3.73	2.30	0.54	0.21	0.07	0.02
KCNO	**Chino Airport.**	18.76	5.97	3.56	2.23	0.57	0.23	0.07	0.02
KCQT	**USC/Downtown L.A.**	24.42	7.07	3.87	2.26	0.47	0.17	0.06	0.01
KFUL	**Fullerton Airport**	25.29	6.32	3.58	2.18	0.50	0.19	0.06	0.02
KHHR	**Hawthorne Airport**	26.83	7.21	4.23	2.64	0.64	0.25	0.08	0.02
KLAX	**Los Angeles Int'l Airport**	28.07	8.09	5.07	3.34	0.91	0.36	0.12	0.03
KLGB	**Long Beach Airport**	20.16	5.61	3.32	2.09	0.51	0.20	0.07	0.02
KONT	**Ontario Airport**	25.71	7.23	4.32	2.74	0.69	0.27	0.09	0.02
KPSP	**Palm Springs Airport**	16.78	4.77	2.77	1.69	0.39	0.15	0.05	0.01
KRAL	**Riverside Airport**	22.53	7.15	4.19	2.58	0.61	0.23	0.08	0.02
KSMO	**Santa Monica Airport**	33.70	8.01	4.70	2.97	0.74	0.28	0.09	0.02
KSNA	**John Wayne Int'l Airport**	27.52	7.36	4.27	2.71	0.68	0.27	0.09	0.02
KTRM	**Desert Hot Springs Airport**	19.99	5.74	3.48	2.25	0.57	0.23	0.07	0.02
KVNY	**Van Nuys Airport**	21.17	5.70	3.24	1.99	0.47	0.19	0.06	0.01

Table 6.2 B – χ/Q for General Non-Combustion Point Source Equipment

25 ft ≤ Stack Height < 50 ft **> 12 (hrs/day)**

Carcinogenic, Chronic and Chronic 8-Hour
χ/Q Values ([µg/m³]/[ton/year])

		Downwind Distance (meters)							
Station Abbr.	**Location**	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
AZUS	**Azusa**	24.27	7.94	5.10	3.54	1.10	0.42	0.14	0.04
BNAP	**Banning**	25.48	8.21	5.60	4.12	1.61	0.75	0.30	0.10
CELA	**Central L.A.**	21.12	7.18	4.55	3.16	0.97	0.36	0.13	0.04
ELSI	**Lake Elsinore**	20.80	7.79	4.86	3.34	1.07	0.44	0.17	0.05
FONT	**Fontana**	26.78	8.65	5.59	3.93	1.30	0.53	0.19	0.06
MSVJ	**Mission Viejo**	20.45	7.18	4.57	3.07	0.97	0.40	0.16	0.05
PERI	**Perris**	24.72	8.70	5.29	3.60	1.17	0.51	0.20	0.06
PICO	**Pico Rivera**	24.92	7.76	4.84	3.29	0.99	0.40	0.15	0.04
RDLD	**Redlands**	25.51	9.22	5.62	4.25	1.54	0.52	0.19	0.06
UPLA	**Upland**	24.75	8.44	5.51	3.86	1.24	0.50	0.18	0.06
KBUR	**Burbank Airport**	20.26	6.51	4.18	2.91	0.96	0.44	0.18	0.06
KCNO	**Chino Airport.**	18.11	6.64	4.47	3.22	1.23	0.60	0.24	0.08
KCQT	**USC/Downtown L.A.**	22.29	8.08	5.67	4.13	1.34	0.49	0.16	0.05
KFUL	**Fullerton Airport**	20.52	6.87	4.41	3.00	0.93	0.41	0.16	0.05
KHHR	**Hawthorne Airport**	22.38	7.59	4.97	3.46	1.12	0.48	0.19	0.06
KLAX	**Los Angeles Int'l Airport**	22.49	7.55	5.16	3.72	1.36	0.63	0.25	0.08
KLGB	**Long Beach Airport**	19.53	6.86	4.71	3.46	1.30	0.58	0.23	0.08
KONT	**Ontario Airport**	24.86	8.20	5.54	4.02	1.54	0.75	0.31	0.10
KPSP	**Palm Springs Airport**	19.60	6.63	4.50	3.28	1.24	0.60	0.25	0.08
KRAL	**Riverside Airport**	20.00	7.83	5.48	4.04	1.50	0.65	0.25	0.08
KSMO	**Santa Monica Airport**	25.22	8.10	5.26	3.64	1.17	0.49	0.18	0.06
KSNA	**John Wayne Int'l Airport**	23.36	7.39	4.85	3.48	1.26	0.59	0.23	0.07
KTRM	**Desert Hot Springs Airport**	22.70	7.22	4.96	3.67	1.47	0.73	0.30	0.10
KVNY	**Van Nuys Airport**	17.99	6.19	4.02	2.83	1.00	0.46	0.18	0.06

Table 6.3 A – χ/Q for General Non-Combustion Point Source Equipment

Stack Height ≥ 50 ft **< 12 (hrs/day)**

Carcinogenic, Chronic and Chronic 8-Hour χ/Q Values ([µg/m³]/[ton/year])

		Downwind Distance (meters)							
Station Abbr.	**Location**	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
AZUS	**Azusa**	0.58	1.09	1.05	0.82	0.27	0.13	0.04	0.01
BNAP	**Banning**	0.04	0.17	0.52	0.72	0.40	0.20	0.07	0.02
CELA	**Central L.A.**	0.40	0.98	1.02	0.80	0.27	0.12	0.04	0.01
ELSI	**Lake Elsinore**	0.89	1.17	0.97	0.73	0.24	0.11	0.04	0.01
FONT	**Fontana**	0.31	0.74	0.97	0.90	0.36	0.17	0.06	0.01
MSVJ	**Mission Viejo**	0.31	0.83	0.92	0.75	0.25	0.11	0.04	0.01
PERI	**Perris**	0.88	0.93	0.87	0.77	0.30	0.14	0.05	0.01
PICO	**Pico Rivera**	0.29	0.76	0.94	0.84	0.32	0.15	0.05	0.01
RDLD	**Redlands**	0.89	1.19	1.11	0.86	0.29	0.13	0.05	0.01
UPLA	**Upland**	0.29	0.88	1.15	1.01	0.37	0.17	0.06	0.01
KBUR	**Burbank Airport**	0.19	0.52	0.80	0.88	0.42	0.20	0.07	0.02
KCNO	**Chino Airport.**	0.12	0.46	0.67	0.77	0.41	0.20	0.07	0.02
KCQT	**USC/Downtown L.A.**	0.35	1.01	1.11	0.93	0.33	0.15	0.05	0.01
KFUL	**Fullerton Airport**	0.17	0.67	0.99	0.94	0.37	0.17	0.06	0.01
KHHR	**Hawthorne Airport**	0.15	0.51	0.88	0.97	0.45	0.22	0.08	0.02
KLAX	**Los Angeles Int'l Airport**	0.03	0.25	0.63	0.91	0.60	0.30	0.11	0.03
KLGB	**Long Beach Airport**	0.10	0.43	0.72	0.80	0.39	0.18	0.06	0.01
KONT	**Ontario Airport**	0.06	0.40	0.75	0.91	0.50	0.24	0.09	0.02
KPSP	**Palm Springs Airport**	0.10	0.46	0.70	0.69	0.29	0.14	0.05	0.01
KRAL	**Riverside Airport**	0.09	0.53	0.88	0.94	0.44	0.21	0.07	0.02
KSMO	**Santa Monica Airport**	0.06	0.46	0.97	1.09	0.52	0.25	0.09	0.02
KSNA	**John Wayne Int'l Airport**	0.09	0.38	0.79	0.97	0.51	0.25	0.09	0.02
KTRM	**Desert Hot Springs Airport**	0.04	0.30	0.66	0.80	0.42	0.20	0.07	0.02
KVNY	**Van Nuys Airport**	0.18	0.51	0.72	0.76	0.36	0.17	0.06	0.01

Table 6.3 B – χ/Q for General Non-Combustion Point Source Equipment

Stack Height ≥ 50 ft **> 12 (hrs/day)**

Carcinogenic, Chronic and Chronic 8-Hour χ/Q Values ([µg/m³]/[ton/year])

		Downwind Distance (meters)							
Station Abbr.	**Location**	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
AZUS	**Azusa**	0.65	1.08	1.17	1.07	0.55	0.31	0.15	0.05
BNAP	**Banning**	0.05	0.15	0.34	0.50	0.64	0.48	0.27	0.10
CELA	**Central L.A.**	0.40	1.21	1.36	1.20	0.54	0.30	0.13	0.04
ELSI	**Lake Elsinore**	1.21	1.91	1.63	1.37	0.66	0.38	0.18	0.06
FONT	**Fontana**	0.40	0.77	0.94	1.00	0.67	0.41	0.20	0.07
MSVJ	**Mission Viejo**	0.47	0.99	1.20	1.15	0.59	0.34	0.16	0.05
PERI	**Perris**	1.35	2.07	1.68	1.42	0.72	0.42	0.20	0.07
PICO	**Pico Rivera**	0.53	0.96	1.06	1.02	0.57	0.33	0.16	0.05
RDLD	**Redlands**	1.19	1.97	1.82	1.49	0.73	0.42	0.20	0.07
UPLA	**Upland**	0.34	0.76	1.07	1.13	0.68	0.40	0.19	0.07
KBUR	**Burbank Airport**	0.10	0.28	0.48	0.59	0.47	0.30	0.15	0.05
KCNO	**Chino Airport.**	0.07	0.26	0.43	0.55	0.50	0.36	0.19	0.07
KCQT	**USC/Downtown L.A.**	0.16	0.56	0.94	1.03	0.63	0.38	0.18	0.06
KFUL	**Fullerton Airport**	0.10	0.51	0.83	0.88	0.54	0.32	0.15	0.05
KHHR	**Hawthorne Airport**	0.08	0.39	0.72	0.86	0.61	0.37	0.18	0.06
KLAX	**Los Angeles Int'l Airport**	0.02	0.14	0.34	0.51	0.53	0.38	0.20	0.08
KLGB	**Long Beach Airport**	0.05	0.25	0.43	0.51	0.48	0.36	0.20	0.08
KONT	**Ontario Airport**	0.04	0.21	0.39	0.53	0.56	0.43	0.24	0.09
KPSP	**Palm Springs Airport**	0.05	0.21	0.33	0.41	0.48	0.37	0.21	0.08
KRAL	**Riverside Airport**	0.06	0.34	0.63	0.79	0.68	0.45	0.24	0.09
KSMO	**Santa Monica Airport**	0.04	0.33	0.68	0.84	0.58	0.36	0.17	0.06
KSNA	**John Wayne Int'l Airport**	0.04	0.20	0.43	0.59	0.56	0.38	0.20	0.07
KTRM	**Desert Hot Springs Airport**	0.02	0.15	0.30	0.41	0.54	0.43	0.25	0.10
KVNY	**Van Nuys Airport**	0.09	0.29	0.46	0.55	0.44	0.30	0.16	0.06

Table 6.4 – χ/Q for General Non-Combustion Point Source Equipment

All Operating Conditions

Acute Hazard Index
χ/Q Values ([µg/m³]/[lb/hr]))

	Downwind Distance (meters)							
Stack Height (ft)	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
14 ≤ Stack Height < 25	676.64	261.46	200.34	165.43	66.01	22.72	8.35	2.68
25 ≤ Stack Height < 50	423.53	153.11	128.46	106.97	45.07	19.81	7.70	2.64
Stack Height ≥ 50	81.87	44.53	26.15	23.70	17.76	13.56	6.82	2.82

Table 7.0 – χ/Q for General Non-Combustion Volume Source Equipment

Equipment Type	Building Area (ft^2)	Height (ft)	Cancer, Chronic, Chronic 8 Hr χ/Q Tables		Acute χ /Q Table	Source ID
			≤ 12 hr/day	> 12 hr/day		
General Non-Combustion Volume Source Equipment	Area ≤ 3,000	≤ 20	Table 7.1 A	Table 7.1 B	Table 7.7	V1
	3,000 < Area ≤ 10,000	≤ 20	Table 7.2 A	Table 7.2 B		V2
	10,000 < Area ≤ 30,000	≤ 20	Table 7.3 A	Table 7.3 B		V3
	Area ≤ 3,000	> 20	Table 7.4 A	Table 7.4 B		V4
	3,000 < Area ≤ 10,000	> 20	Table 7.5 A	Table 7.5 B		V5
	10,000 < Area ≤ 30,000	> 20	Table 7.6 A	Table 7.6 B		V6

Table 7.1 A– χ/Q for General Non-Combustion Volume Source Equipment

Building Area ≤ 3,000 ft² **Height ≤ 20 ft** **≤ 12 hr/day**

Carcinogenic, Chronic and Chronic 8-Hour χ/Q Values ([µg/m³]/[ton/year])

		Downwind Distance (meters)							
Station Abbr.	**Location**	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
AZUS	**Azusa**	8.24	2.66	1.36	0.84	0.25	0.12	0.05	0.01
BNAP	**Banning**	12.32	4.72	2.50	1.55	0.45	0.21	0.08	0.02
CELA	**Central L.A.**	7.23	2.28	1.24	0.80	0.25	0.12	0.04	0.01
ELSI	**Lake Elsinore**	9.36	2.96	1.43	0.84	0.23	0.10	0.04	0.01
FONT	**Fontana**	9.56	3.60	1.93	1.20	0.35	0.16	0.06	0.01
MSVJ	**Mission Viejo**	8.75	2.92	1.46	0.88	0.24	0.11	0.04	0.01
PERI	**Perris**	11.24	3.80	1.89	1.13	0.31	0.14	0.05	0.01
PICO	**Pico Rivera**	8.47	3.14	1.69	1.06	0.31	0.14	0.05	0.01
RDLD	**Redlands**	8.78	2.90	1.48	0.91	0.27	0.13	0.05	0.01
UPLA	**Upland**	8.67	3.28	1.82	1.17	0.36	0.17	0.06	0.02
KBUR	**Burbank Airport**	12.78	4.82	2.52	1.54	0.44	0.20	0.07	0.02
KCNO	**Chino Airport.**	15.87	5.72	2.88	1.72	0.46	0.21	0.07	0.02
KCQT	**USC/Downtown L.A.**	9.73	3.38	1.76	1.09	0.32	0.15	0.06	0.01
KFUL	**Fullerton Airport**	9.82	3.76	2.01	1.26	0.37	0.17	0.06	0.02
KHHR	**Hawthorne Airport**	11.74	4.48	2.42	1.53	0.47	0.22	0.08	0.02
KLAX	**Los Angeles Int'l Airport**	18.91	7.29	3.86	2.39	0.71	0.33	0.13	0.03
KLGB	**Long Beach Airport**	13.43	5.01	2.57	1.55	0.43	0.19	0.07	0.02
KONT	**Ontario Airport**	17.68	6.60	3.38	2.04	0.56	0.25	0.09	0.02
KPSP	**Palm Springs Airport**	10.42	3.72	1.87	1.12	0.30	0.14	0.05	0.01
KRAL	**Riverside Airport**	12.96	4.90	2.58	1.59	0.46	0.21	0.08	0.02
KSMO	**Santa Monica Airport**	13.18	5.25	2.87	1.82	0.55	0.26	0.10	0.02
KSNA	**John Wayne Int'l Airport**	17.06	6.46	3.34	2.03	0.56	0.25	0.09	0.02
KTRM	**Desert Hot Springs Airport**	15.32	5.69	2.90	1.74	0.48	0.21	0.08	0.02
KVNY	**Van Nuys Airport**	12.43	4.56	2.32	1.40	0.38	0.17	0.06	0.01

Table 7.1 B – χ/Q for General Non-Combustion Volume Source Equipment

Building Area ≤ 3,000 ft² **Height ≤ 20 ft** **>12 hr/day**

Carcinogenic, Chronic and Chronic 8-Hour χ/Q Values ([µg/m³]/[ton/year])

		Downwind Distance (meters)							
Station Abbr.	**Location**	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
AZUS	**Azusa**	15.52	5.77	3.10	1.97	0.64	0.32	0.14	0.04
BNAP	**Banning**	23.69	10.16	5.74	3.75	1.28	0.67	0.29	0.09
CELA	**Central L.A.**	14.82	5.39	2.92	1.86	0.61	0.31	0.13	0.04
ELSI	**Lake Elsinore**	19.08	7.04	3.74	2.36	0.75	0.38	0.16	0.05
FONT	**Fontana**	17.82	6.95	3.79	2.43	0.79	0.40	0.17	0.05
MSVJ	**Mission Viejo**	17.82	6.61	3.52	2.22	0.70	0.36	0.15	0.05
PERI	**Perris**	20.96	7.91	4.24	2.68	0.86	0.44	0.19	0.06
PICO	**Pico Rivera**	15.66	5.95	3.21	2.04	0.65	0.33	0.14	0.04
RDLD	**Redlands**	19.15	7.15	3.84	2.44	0.79	0.40	0.17	0.05
UPLA	**Upland**	17.02	6.52	3.55	2.27	0.74	0.37	0.16	0.05
KBUR	**Burbank Airport**	17.97	7.19	3.92	2.49	0.80	0.40	0.17	0.05
KCNO	**Chino Airport.**	23.67	9.71	5.36	3.43	1.12	0.57	0.24	0.07
KCQT	**USC/Downtown L.A.**	16.69	6.32	3.41	2.17	0.70	0.35	0.15	0.05
KFUL	**Fullerton Airport**	16.91	6.53	3.53	2.24	0.72	0.36	0.15	0.05
KHHR	**Hawthorne Airport**	17.71	6.91	3.78	2.41	0.79	0.40	0.17	0.05
KLAX	**Los Angeles Int'l Airport**	22.51	9.48	5.32	3.45	1.16	0.60	0.26	0.08
KLGB	**Long Beach Airport**	18.82	7.78	4.34	2.81	0.95	0.50	0.22	0.07
KONT	**Ontario Airport**	26.62	11.37	6.41	4.18	1.42	0.74	0.32	0.10
KPSP	**Palm Springs Airport**	21.06	8.74	4.87	3.16	1.07	0.56	0.24	0.08
KRAL	**Riverside Airport**	20.88	8.52	4.73	3.06	1.03	0.54	0.23	0.08
KSMO	**Santa Monica Airport**	18.16	7.21	3.96	2.54	0.83	0.42	0.18	0.05
KSNA	**John Wayne Int'l Airport**	22.27	9.14	5.04	3.23	1.05	0.53	0.22	0.07
KTRM	**Desert Hot Springs Airport**	24.66	10.58	5.96	3.87	1.30	0.67	0.29	0.09
KVNY	**Van Nuys Airport**	17.65	7.07	3.86	2.46	0.79	0.40	0.17	0.05

Table 7.2 A – χ/Q for General Non-Combustion Volume Source Equipment

3,000 ft² < Building Area ≤ 10,000 ft² Height ≤ 20 ft ≤12 hr/day

Carcinogenic, Chronic and Chronic 8-Hour χ/Q Values ([µg/m³]/[ton/year])

		Downwind Distance (meters)							
Station Abbr.	**Location**	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
AZUS	**Azusa**	5.55	2.14	1.17	0.75	0.24	0.12	0.04	0.01
BNAP	**Banning**	8.80	3.84	2.15	1.37	0.42	0.20	0.07	0.02
CELA	**Central L.A.**	4.84	1.87	1.09	0.72	0.24	0.11	0.04	0.01
ELSI	**Lake Elsinore**	6.31	2.34	1.21	0.74	0.21	0.10	0.04	0.01
FONT	**Fontana**	6.81	2.95	1.66	1.07	0.33	0.16	0.06	0.01
MSVJ	**Mission Viejo**	6.00	2.34	1.25	0.78	0.22	0.10	0.04	0.01
PERI	**Perris**	7.74	3.04	1.61	1.00	0.29	0.13	0.05	0.01
PICO	**Pico Rivera**	5.98	2.58	1.46	0.94	0.29	0.14	0.05	0.01
RDLD	**Redlands**	5.96	2.33	1.27	0.81	0.25	0.12	0.05	0.01
UPLA	**Upland**	6.12	2.72	1.59	1.05	0.34	0.16	0.06	0.02
KBUR	**Burbank Airport**	9.15	3.91	2.16	1.37	0.41	0.19	0.07	0.02
KCNO	**Chino Airport.**	11.20	4.59	2.45	1.51	0.43	0.20	0.07	0.02
KCQT	**USC/Downtown L.A.**	6.73	2.74	1.51	0.97	0.30	0.15	0.06	0.01
KFUL	**Fullerton Airport**	7.05	3.08	1.74	1.12	0.35	0.17	0.06	0.02
KHHR	**Hawthorne Airport**	8.32	3.67	2.10	1.37	0.44	0.22	0.08	0.02
KLAX	**Los Angeles Int'l Airport**	13.41	5.89	3.31	2.12	0.66	0.32	0.12	0.03
KLGB	**Long Beach Airport**	9.59	4.04	2.19	1.37	0.40	0.18	0.07	0.02
KONT	**Ontario Airport**	12.60	5.31	2.88	1.80	0.52	0.24	0.09	0.02
KPSP	**Palm Springs Airport**	7.34	2.98	1.60	0.99	0.28	0.13	0.05	0.01
KRAL	**Riverside Airport**	9.24	3.98	2.21	1.41	0.43	0.20	0.08	0.02
KSMO	**Santa Monica Airport**	9.49	4.32	2.49	1.62	0.52	0.25	0.09	0.02
KSNA	**John Wayne Int'l Airport**	12.23	5.22	2.86	1.79	0.52	0.24	0.08	0.02
KTRM	**Desert Hot Springs Airport**	10.88	4.57	2.47	1.54	0.44	0.20	0.07	0.02
KVNY	**Van Nuys Airport**	8.83	3.67	1.98	1.23	0.35	0.16	0.06	0.01

Table 7.2 B – χ/Q for General Non-Combustion Volume Source Equipment

3,000 ft² < Building Area ≤ 10,000 ft² Height ≤ 20 ft >12 hr/day

Carcinogenic, Chronic and Chronic 8-Hour χ/Q Values ([µg/m³]/[ton/year])

		Downwind Distance (meters)							
Station Abbr.	**Location**	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
AZUS	**Azusa**	11.05	4.73	2.69	1.77	0.60	0.31	0.13	0.04
BNAP	**Banning**	17.61	8.43	5.02	3.37	1.21	0.64	0.28	0.09
CELA	**Central L.A.**	10.47	4.43	2.54	1.67	0.57	0.30	0.13	0.04
ELSI	**Lake Elsinore**	13.58	5.76	3.24	2.11	0.71	0.37	0.16	0.05
FONT	**Fontana**	12.90	5.73	3.30	2.18	0.75	0.39	0.17	0.05
MSVJ	**Mission Viejo**	12.71	5.41	3.05	1.99	0.66	0.34	0.15	0.05
PERI	**Perris**	15.00	6.48	3.68	2.41	0.82	0.42	0.18	0.06
PICO	**Pico Rivera**	11.25	4.89	2.79	1.83	0.61	0.31	0.13	0.04
RDLD	**Redlands**	13.65	5.86	3.34	2.19	0.75	0.39	0.17	0.05
UPLA	**Upland**	12.23	5.37	3.09	2.04	0.70	0.36	0.15	0.05
KBUR	**Burbank Airport**	13.21	5.93	3.41	2.23	0.75	0.39	0.17	0.05
KCNO	**Chino Airport.**	17.46	8.02	4.67	3.08	1.06	0.55	0.24	0.07
KCQT	**USC/Downtown L.A.**	11.98	5.19	2.96	1.94	0.66	0.34	0.15	0.05
KFUL	**Fullerton Airport**	12.23	5.37	3.07	2.01	0.68	0.35	0.15	0.05
KHHR	**Hawthorne Airport**	12.80	5.69	3.29	2.17	0.74	0.39	0.16	0.05
KLAX	**Los Angeles Int'l Airport**	16.59	7.84	4.64	3.10	1.10	0.58	0.25	0.08
KLGB	**Long Beach Airport**	13.87	6.44	3.79	2.53	0.90	0.48	0.21	0.07
KONT	**Ontario Airport**	19.75	9.42	5.60	3.75	1.34	0.71	0.32	0.10
KPSP	**Palm Springs Airport**	15.51	7.23	4.25	2.84	1.01	0.54	0.24	0.08
KRAL	**Riverside Airport**	15.28	7.03	4.13	2.75	0.97	0.52	0.23	0.08
KSMO	**Santa Monica Airport**	13.20	5.95	3.45	2.28	0.78	0.40	0.17	0.05
KSNA	**John Wayne Int'l Airport**	16.46	7.56	4.39	2.90	0.99	0.51	0.22	0.07
KTRM	**Desert Hot Springs Airport**	18.41	8.78	5.20	3.48	1.23	0.65	0.29	0.09
KVNY	**Van Nuys Airport**	12.96	5.83	3.36	2.21	0.75	0.39	0.17	0.05

Table 7.3 A – χ/Q for General Non-Combustion Volume Source Equipment

10,000 ft² < Building Area ≤ 30,000 ft² Height ≤ 20 ft ≤12 hr/day

Carcinogenic, Chronic and Chronic 8-Hour χ/Q Values ([µg/m³]/[ton/year])

		Downwind Distance (meters)							
Station Abbr.	**Location**	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
AZUS	**Azusa**	5.42	2.22	1.21	0.77	0.24	0.11	0.04	0.01
BNAP	**Banning**	7.23	3.57	2.07	1.33	0.41	0.19	0.07	0.02
CELA	**Central L.A.**	4.85	2.06	1.17	0.76	0.24	0.11	0.04	0.01
ELSI	**Lake Elsinore**	5.92	2.33	1.22	0.74	0.21	0.10	0.04	0.01
FONT	**Fontana**	6.55	2.97	1.68	1.07	0.33	0.15	0.06	0.01
MSVJ	**Mission Viejo**	5.68	2.35	1.27	0.78	0.22	0.10	0.04	0.01
PERI	**Perris**	6.95	2.94	1.59	0.99	0.28	0.13	0.05	0.01
PICO	**Pico Rivera**	6.01	2.67	1.50	0.96	0.29	0.13	0.05	0.01
RDLD	**Redlands**	5.84	2.40	1.31	0.83	0.25	0.12	0.05	0.01
UPLA	**Upland**	6.33	2.87	1.64	1.06	0.33	0.16	0.06	0.02
KBUR	**Burbank Airport**	7.89	3.72	2.11	1.35	0.40	0.19	0.07	0.02
KCNO	**Chino Airport.**	8.76	4.13	2.33	1.47	0.42	0.19	0.07	0.02
KCQT	**USC/Downtown L.A.**	6.47	2.78	1.53	0.97	0.29	0.14	0.05	0.01
KFUL	**Fullerton Airport**	6.79	3.09	1.75	1.12	0.34	0.16	0.06	0.01
KHHR	**Hawthorne Airport**	7.81	3.67	2.11	1.36	0.43	0.21	0.08	0.02
KLAX	**Los Angeles Int'l Airport**	10.38	5.28	3.11	2.03	0.63	0.30	0.11	0.03
KLGB	**Long Beach Airport**	7.75	3.70	2.09	1.32	0.38	0.17	0.06	0.01
KONT	**Ontario Airport**	9.88	4.81	2.74	1.74	0.51	0.23	0.08	0.02
KPSP	**Palm Springs Airport**	6.22	2.82	1.55	0.97	0.28	0.13	0.04	0.01
KRAL	**Riverside Airport**	8.00	3.79	2.16	1.38	0.42	0.20	0.07	0.02
KSMO	**Santa Monica Airport**	8.65	4.22	2.46	1.60	0.50	0.24	0.09	0.02
KSNA	**John Wayne Int'l Airport**	9.81	4.78	2.73	1.74	0.51	0.23	0.08	0.02
KTRM	**Desert Hot Springs Airport**	8.40	4.10	2.33	1.47	0.43	0.20	0.07	0.02
KVNY	**Van Nuys Airport**	7.25	3.39	1.91	1.20	0.35	0.16	0.06	0.01

Table 7.3 B – χ/Q for General Non-Combustion Volume Source Equipment

10,000 ft² < Building Area ≤ 30,000 ft² Height ≤ 20 ft >12 hr/day

Carcinogenic, Chronic and Chronic 8-Hour χ/Q Values ([µg/m³]/[ton/year])

		Downwind Distance (meters)							
Station Abbr.	**Location**	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
AZUS	**Azusa**	9.91	4.50	2.61	1.73	0.59	0.31	0.13	0.04
BNAP	**Banning**	11.99	6.51	4.13	2.87	1.08	0.59	0.26	0.09
CELA	**Central L.A.**	9.77	4.36	2.52	1.66	0.57	0.29	0.13	0.04
ELSI	**Lake Elsinore**	12.01	5.40	3.11	2.05	0.70	0.36	0.16	0.05
FONT	**Fontana**	10.86	5.19	3.08	2.06	0.72	0.38	0.16	0.05
MSVJ	**Mission Viejo**	11.27	5.10	2.94	1.94	0.66	0.34	0.15	0.05
PERI	**Perris**	12.85	5.93	3.46	2.29	0.79	0.41	0.18	0.06
PICO	**Pico Rivera**	10.01	4.62	2.69	1.78	0.61	0.31	0.13	0.04
RDLD	**Redlands**	12.29	5.56	3.22	2.13	0.73	0.38	0.17	0.05
UPLA	**Upland**	10.98	5.11	2.99	1.99	0.68	0.35	0.15	0.05
KBUR	**Burbank Airport**	10.12	5.05	3.05	2.05	0.72	0.37	0.16	0.05
KCNO	**Chino Airport.**	12.37	6.40	3.95	2.70	0.98	0.52	0.23	0.07
KCQT	**USC/Downtown L.A.**	10.46	4.85	2.84	1.88	0.64	0.33	0.14	0.04
KFUL	**Fullerton Airport**	10.45	4.93	2.90	1.92	0.66	0.34	0.15	0.05
KHHR	**Hawthorne Airport**	10.68	5.16	3.07	2.05	0.72	0.37	0.16	0.05
KLAX	**Los Angeles Int'l Airport**	11.54	6.19	3.88	2.68	0.99	0.53	0.24	0.08
KLGB	**Long Beach Airport**	9.84	5.09	3.17	2.18	0.82	0.44	0.20	0.07
KONT	**Ontario Airport**	13.46	7.23	4.56	3.17	1.20	0.65	0.29	0.10
KPSP	**Palm Springs Airport**	10.70	5.62	3.52	2.43	0.91	0.49	0.22	0.07
KRAL	**Riverside Airport**	11.64	5.91	3.61	2.46	0.89	0.48	0.21	0.07
KSMO	**Santa Monica Airport**	10.88	5.34	3.20	2.14	0.75	0.39	0.17	0.05
KSNA	**John Wayne Int'l Airport**	11.92	6.17	3.79	2.58	0.92	0.48	0.21	0.07
KTRM	**Desert Hot Springs Airport**	12.09	6.57	4.18	2.92	1.11	0.60	0.27	0.09
KVNY	**Van Nuys Airport**	9.75	4.88	2.95	1.99	0.71	0.37	0.16	0.05

Table 7.4 A – χ/Q for General Non-Combustion Volume Source Equipment

Building Area ≤ 3,000 ft² **Height > 20 ft** **≤12 hr/day**

Carcinogenic, Chronic and Chronic 8-Hour χ/Q Values ([µg/m³]/[ton/year])

		Downwind Distance (meters)							
Station Abbr.	**Location**	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
AZUS	**Azusa**	3.41	1.60	0.95	0.64	0.22	0.11	0.04	0.01
BNAP	**Banning**	5.67	2.86	1.72	1.15	0.38	0.18	0.07	0.02
CELA	**Central L.A.**	2.92	1.43	0.89	0.62	0.22	0.11	0.04	0.01
ELSI	**Lake Elsinore**	3.83	1.70	0.96	0.62	0.19	0.09	0.04	0.01
FONT	**Fontana**	4.44	2.23	1.35	0.90	0.30	0.15	0.06	0.01
MSVJ	**Mission Viejo**	3.74	1.73	1.00	0.65	0.20	0.10	0.04	0.01
PERI	**Perris**	4.81	2.23	1.28	0.83	0.26	0.12	0.05	0.01
PICO	**Pico Rivera**	3.90	1.96	1.19	0.80	0.26	0.13	0.05	0.01
RDLD	**Redlands**	3.69	1.73	1.03	0.68	0.23	0.11	0.05	0.01
UPLA	**Upland**	4.03	2.09	1.30	0.89	0.31	0.15	0.06	0.02
KBUR	**Burbank Airport**	5.92	2.92	1.73	1.14	0.37	0.18	0.07	0.02
KCNO	**Chino Airport.**	7.07	3.36	1.94	1.26	0.39	0.18	0.07	0.02
KCQT	**USC/Downtown L.A.**	4.24	2.05	1.22	0.81	0.28	0.14	0.05	0.01
KFUL	**Fullerton Airport**	4.63	2.33	1.41	0.94	0.32	0.16	0.06	0.02
KHHR	**Hawthorne Airport**	5.40	2.77	1.70	1.15	0.40	0.20	0.08	0.02
KLAX	**Los Angeles Int'l Airport**	8.52	4.35	2.64	1.77	0.60	0.30	0.12	0.03
KLGB	**Long Beach Airport**	6.13	2.98	1.74	1.14	0.36	0.17	0.06	0.02
KONT	**Ontario Airport**	8.04	3.91	2.29	1.49	0.47	0.22	0.08	0.02
KPSP	**Palm Springs Airport**	4.64	2.19	1.27	0.82	0.25	0.12	0.04	0.01
KRAL	**Riverside Airport**	5.94	2.96	1.77	1.18	0.39	0.19	0.07	0.02
KSMO	**Santa Monica Airport**	6.26	3.27	2.02	1.37	0.47	0.23	0.09	0.02
KSNA	**John Wayne Int'l Airport**	7.87	3.87	2.28	1.50	0.47	0.22	0.08	0.02
KTRM	**Desert Hot Springs Airport**	6.88	3.34	1.95	1.27	0.40	0.19	0.07	0.02
KVNY	**Van Nuys Airport**	5.63	2.71	1.58	1.03	0.32	0.15	0.06	0.01

Table 7.4 B – χ/Q for General Non-Combustion Volume Source Equipment

Building Area ≤ 3,000 ft² **Height > 20 ft** **>12 hr/day**

Carcinogenic, Chronic and Chronic 8-Hour χ/Q Values ([µg/m³]/[ton/year])

		Downwind Distance (meters)							
Station Abbr.	**Location**	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
AZUS	**Azusa**	7.21	3.60	2.21	1.51	0.55	0.29	0.13	0.04
BNAP	**Banning**	11.98	6.52	4.15	2.90	1.11	0.61	0.28	0.09
CELA	**Central L.A.**	6.76	3.38	2.08	1.43	0.53	0.28	0.12	0.04
ELSI	**Lake Elsinore**	8.84	4.37	2.65	1.80	0.65	0.35	0.15	0.05
FONT	**Fontana**	8.56	4.38	2.71	1.86	0.69	0.37	0.16	0.05
MSVJ	**Mission Viejo**	8.29	4.11	2.49	1.69	0.61	0.32	0.14	0.04
PERI	**Perris**	9.82	4.93	3.01	2.05	0.75	0.40	0.18	0.06
PICO	**Pico Rivera**	7.41	3.74	2.29	1.56	0.56	0.30	0.13	0.04
RDLD	**Redlands**	8.92	4.47	2.74	1.87	0.69	0.37	0.16	0.05
UPLA	**Upland**	8.07	4.11	2.54	1.74	0.64	0.34	0.15	0.05
KBUR	**Burbank Airport**	8.90	4.56	2.80	1.91	0.69	0.37	0.16	0.05
KCNO	**Chino Airport.**	11.78	6.17	3.83	2.64	0.97	0.52	0.23	0.07
KCQT	**USC/Downtown L.A.**	7.87	3.96	2.43	1.66	0.60	0.32	0.14	0.04
KFUL	**Fullerton Airport**	8.11	4.10	2.52	1.72	0.62	0.33	0.14	0.04
KHHR	**Hawthorne Airport**	8.48	4.35	2.70	1.85	0.68	0.36	0.16	0.05
KLAX	**Los Angeles Int'l Airport**	11.17	6.02	3.81	2.66	1.01	0.55	0.25	0.08
KLGB	**Long Beach Airport**	9.37	4.96	3.13	2.17	0.83	0.46	0.21	0.07
KONT	**Ontario Airport**	13.41	7.26	4.61	3.22	1.23	0.67	0.31	0.10
KPSP	**Palm Springs Airport**	10.47	5.56	3.50	2.44	0.93	0.51	0.23	0.08
KRAL	**Riverside Airport**	10.23	5.40	3.40	2.36	0.90	0.49	0.22	0.07
KSMO	**Santa Monica Airport**	8.80	4.56	2.83	1.95	0.72	0.38	0.17	0.05
KSNA	**John Wayne Int'l Airport**	11.14	5.82	3.61	2.48	0.91	0.48	0.21	0.07
KTRM	**Desert Hot Springs Airport**	12.60	6.80	4.30	2.99	1.13	0.61	0.28	0.09
KVNY	**Van Nuys Airport**	8.72	4.48	2.76	1.89	0.69	0.36	0.16	0.05

Table 7.5 A – χ/Q for General Non-Combustion Volume Source Equipment

3,000 ft² < Building Area ≤ 10,000 ft² Height > 20 ft ≤12 hr/day

Carcinogenic, Chronic and Chronic 8-Hour χ/Q Values ([µg/m³]/[ton/year])

		Downwind Distance (meters)							
Station Abbr.	**Location**	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
AZUS	**Azusa**	3.46	1.66	0.98	0.65	0.21	0.11	0.04	0.01
BNAP	**Banning**	5.01	2.71	1.67	1.12	0.37	0.18	0.07	0.02
CELA	**Central L.A.**	3.15	1.57	0.95	0.64	0.22	0.11	0.04	0.01
ELSI	**Lake Elsinore**	3.72	1.70	0.96	0.62	0.19	0.09	0.03	0.01
FONT	**Fontana**	4.40	2.25	1.36	0.90	0.30	0.14	0.05	0.01
MSVJ	**Mission Viejo**	3.68	1.75	1.01	0.65	0.20	0.09	0.03	0.01
PERI	**Perris**	4.51	2.18	1.26	0.82	0.25	0.12	0.05	0.01
PICO	**Pico Rivera**	4.02	2.02	1.21	0.81	0.26	0.13	0.05	0.01
RDLD	**Redlands**	3.74	1.79	1.05	0.69	0.23	0.11	0.04	0.01
UPLA	**Upland**	4.25	2.19	1.34	0.90	0.30	0.15	0.06	0.01
KBUR	**Burbank Airport**	5.41	2.82	1.70	1.13	0.36	0.17	0.06	0.02
KCNO	**Chino Airport.**	5.99	3.12	1.86	1.22	0.38	0.18	0.07	0.02
KCQT	**USC/Downtown L.A.**	4.23	2.08	1.23	0.82	0.27	0.13	0.05	0.01
KFUL	**Fullerton Airport**	4.58	2.34	1.41	0.94	0.31	0.15	0.06	0.01
KHHR	**Hawthorne Airport**	5.28	2.78	1.70	1.15	0.39	0.19	0.08	0.02
KLAX	**Los Angeles Int'l Airport**	7.17	4.01	2.50	1.70	0.57	0.28	0.11	0.03
KLGB	**Long Beach Airport**	5.32	2.79	1.68	1.10	0.35	0.16	0.06	0.01
KONT	**Ontario Airport**	6.83	3.64	2.20	1.45	0.46	0.22	0.08	0.02
KPSP	**Palm Springs Airport**	4.19	2.11	1.24	0.81	0.25	0.12	0.04	0.01
KRAL	**Riverside Airport**	5.46	2.87	1.74	1.16	0.38	0.18	0.07	0.02
KSMO	**Santa Monica Airport**	5.96	3.22	1.99	1.35	0.46	0.22	0.09	0.02
KSNA	**John Wayne Int'l Airport**	6.80	3.63	2.20	1.46	0.46	0.22	0.08	0.02
KTRM	**Desert Hot Springs Airport**	5.79	3.09	1.86	1.23	0.39	0.18	0.07	0.02
KVNY	**Van Nuys Airport**	4.95	2.56	1.53	1.00	0.31	0.15	0.05	0.01

Table 7.5 B – χ/Q for General Non-Combustion Volume Source Equipment

3,000 ft² < Building Area ≤ 10,000 ft² Height > 20 ft >12 hr/day

Carcinogenic, Chronic and Chronic 8-Hour χ/Q Values ([µg/m³]/[ton/year])

		Downwind Distance (meters)							
Station Abbr.	**Location**	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
AZUS	**Azusa**	6.69	3.46	2.15	1.48	0.54	0.29	0.13	0.04
BNAP	**Banning**	8.69	5.18	3.45	2.48	1.00	0.55	0.26	0.09
CELA	**Central L.A.**	6.54	3.35	2.07	1.42	0.52	0.28	0.12	0.04
ELSI	**Lake Elsinore**	8.08	4.15	2.56	1.75	0.64	0.34	0.15	0.05
FONT	**Fontana**	7.50	4.03	2.54	1.76	0.66	0.35	0.16	0.05
MSVJ	**Mission Viejo**	7.62	3.92	2.42	1.65	0.60	0.32	0.14	0.04
PERI	**Perris**	8.72	4.57	2.84	1.96	0.73	0.39	0.17	0.06
PICO	**Pico Rivera**	6.83	3.57	2.22	1.52	0.56	0.29	0.13	0.04
RDLD	**Redlands**	8.27	4.27	2.65	1.82	0.67	0.36	0.16	0.05
UPLA	**Upland**	7.50	3.95	2.46	1.70	0.63	0.33	0.15	0.05
KBUR	**Burbank Airport**	7.19	3.97	2.53	1.76	0.66	0.35	0.16	0.05
KCNO	**Chino Airport.**	8.85	5.05	3.29	2.33	0.90	0.49	0.22	0.07
KCQT	**USC/Downtown L.A.**	7.14	3.75	2.33	1.61	0.59	0.31	0.14	0.04
KFUL	**Fullerton Airport**	7.20	3.82	2.39	1.65	0.61	0.32	0.14	0.04
KHHR	**Hawthorne Airport**	7.40	4.00	2.53	1.76	0.66	0.35	0.15	0.05
KLAX	**Los Angeles Int'l Airport**	8.27	4.88	3.23	2.31	0.91	0.50	0.23	0.08
KLGB	**Long Beach Airport**	7.02	4.03	2.65	1.89	0.75	0.42	0.19	0.07
KONT	**Ontario Airport**	9.70	5.73	3.81	2.74	1.10	0.61	0.28	0.10
KPSP	**Palm Springs Airport**	7.66	4.45	2.94	2.10	0.84	0.47	0.22	0.07
KRAL	**Riverside Airport**	8.21	4.63	3.00	2.11	0.82	0.45	0.21	0.07
KSMO	**Santa Monica Airport**	7.60	4.16	2.64	1.84	0.69	0.37	0.16	0.05
KSNA	**John Wayne Int'l Airport**	8.56	4.87	3.15	2.22	0.85	0.46	0.20	0.06
KTRM	**Desert Hot Springs Airport**	8.80	5.25	3.51	2.53	1.02	0.57	0.26	0.09
KVNY	**Van Nuys Airport**	6.92	3.83	2.45	1.71	0.65	0.35	0.16	0.05

Table 7.6 A – χ/Q for General Non-Combustion Volume Source Equipment

10,000 ft² < Building Area ≤ 30,000 ft² Height > 20 ft ≤12 hr/day

Carcinogenic, Chronic and Chronic 8-Hour χ/Q Values ([µg/m³]/[ton/year])

		Downwind Distance (meters)							
Station Abbr.	**Location**	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
AZUS	**Azusa**	1.86	1.07	0.69	0.49	0.18	0.09	0.04	0.01
BNAP	**Banning**	2.88	1.77	1.18	0.84	0.31	0.16	0.06	0.02
CELA	**Central L.A.**	1.75	1.03	0.69	0.49	0.18	0.09	0.04	0.01
ELSI	**Lake Elsinore**	1.93	1.06	0.67	0.46	0.16	0.08	0.03	0.01
FONT	**Fontana**	2.48	1.46	0.96	0.68	0.25	0.13	0.05	0.01
MSVJ	**Mission Viejo**	1.99	1.11	0.71	0.49	0.17	0.08	0.03	0.01
PERI	**Perris**	2.42	1.37	0.88	0.61	0.21	0.11	0.04	0.01
PICO	**Pico Rivera**	2.26	1.32	0.87	0.61	0.22	0.11	0.04	0.01
RDLD	**Redlands**	2.01	1.15	0.74	0.52	0.19	0.10	0.04	0.01
UPLA	**Upland**	2.41	1.44	0.96	0.68	0.26	0.13	0.05	0.01
KBUR	**Burbank Airport**	3.08	1.83	1.20	0.84	0.30	0.15	0.06	0.02
KCNO	**Chino Airport.**	3.39	2.00	1.30	0.91	0.32	0.16	0.06	0.02
KCQT	**USC/Downtown L.A.**	2.31	1.34	0.87	0.61	0.23	0.12	0.05	0.01
KFUL	**Fullerton Airport**	2.58	1.52	1.00	0.71	0.26	0.13	0.05	0.01
KHHR	**Hawthorne Airport**	2.98	1.80	1.21	0.86	0.33	0.17	0.07	0.02
KLAX	**Los Angeles Int'l Airport**	4.11	2.59	1.75	1.26	0.48	0.25	0.10	0.03
KLGB	**Long Beach Airport**	3.02	1.79	1.17	0.82	0.29	0.14	0.06	0.01
KONT	**Ontario Airport**	3.91	2.35	1.54	1.08	0.38	0.19	0.07	0.02
KPSP	**Palm Springs Airport**	2.32	1.34	0.86	0.60	0.21	0.10	0.04	0.01
KRAL	**Riverside Airport**	3.08	1.85	1.22	0.86	0.32	0.16	0.06	0.02
KSMO	**Santa Monica Airport**	3.43	2.11	1.42	1.02	0.38	0.20	0.08	0.02
KSNA	**John Wayne Int'l Airport**	3.91	2.36	1.55	1.09	0.39	0.19	0.07	0.02
KTRM	**Desert Hot Springs Airport**	3.28	1.97	1.29	0.90	0.32	0.16	0.06	0.02
KVNY	**Van Nuys Airport**	2.80	1.65	1.07	0.74	0.26	0.13	0.05	0.01

Table 7.6 B – χ/Q for General Non-Combustion Volume Source Equipment

10,000 ft² < Building Area ≤ 30,000 ft² Height > 20 ft >12 hr/day

Carcinogenic, Chronic and Chronic 8-Hour χ/Q Values ([µg/m³]/[ton/year])

		Downwind Distance (meters)							
Station Abbr.	**Location**	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
AZUS	**Azusa**	3.87	2.34	1.58	1.15	0.47	0.26	0.12	0.04
BNAP	**Banning**	5.44	3.63	2.60	1.96	0.87	0.50	0.24	0.08
CELA	**Central L.A.**	3.76	2.26	1.52	1.11	0.45	0.25	0.11	0.04
ELSI	**Lake Elsinore**	4.65	2.79	1.88	1.36	0.55	0.31	0.14	0.05
FONT	**Fontana**	4.44	2.74	1.88	1.38	0.57	0.32	0.15	0.05
MSVJ	**Mission Viejo**	4.40	2.64	1.78	1.28	0.52	0.29	0.13	0.04
PERI	**Perris**	5.07	3.08	2.09	1.52	0.63	0.35	0.16	0.05
PICO	**Pico Rivera**	3.99	2.42	1.63	1.18	0.48	0.27	0.12	0.04
RDLD	**Redlands**	4.77	2.88	1.95	1.42	0.58	0.33	0.15	0.05
UPLA	**Upland**	4.39	2.67	1.82	1.32	0.54	0.30	0.14	0.04
KBUR	**Burbank Airport**	4.39	2.74	1.89	1.38	0.57	0.32	0.15	0.05
KCNO	**Chino Airport.**	5.46	3.52	2.46	1.83	0.78	0.44	0.21	0.07
KCQT	**USC/Downtown L.A.**	4.17	2.53	1.72	1.25	0.51	0.28	0.13	0.04
KFUL	**Fullerton Airport**	4.25	2.60	1.76	1.28	0.53	0.29	0.13	0.04
KHHR	**Hawthorne Airport**	4.38	2.72	1.87	1.37	0.57	0.32	0.15	0.05
KLAX	**Los Angeles Int'l Airport**	5.11	3.38	2.40	1.81	0.79	0.45	0.21	0.07
KLGB	**Long Beach Airport**	4.34	2.81	1.99	1.49	0.66	0.38	0.18	0.06
KONT	**Ontario Airport**	6.04	4.00	2.86	2.16	0.96	0.56	0.27	0.09
KPSP	**Palm Springs Airport**	4.74	3.10	2.21	1.66	0.73	0.42	0.20	0.07
KRAL	**Riverside Airport**	4.97	3.18	2.23	1.66	0.71	0.41	0.19	0.07
KSMO	**Santa Monica Airport**	4.54	2.83	1.95	1.43	0.59	0.33	0.15	0.05
KSNA	**John Wayne Int'l Airport**	5.29	3.38	2.36	1.74	0.74	0.41	0.19	0.06
KTRM	**Desert Hot Springs Airport**	5.57	3.71	2.66	2.01	0.89	0.52	0.25	0.08
KVNY	**Van Nuys Airport**	4.22	2.65	1.83	1.34	0.56	0.32	0.15	0.05

Table 7.7 – χ/Q for General Non-Combustion Volume Source Equipment

All Operating Conditions

Acute Hazard Index
χ/Q Values ([µg/m³]/[lb/hr]))

	Stack Height (ft)	Downwind Distance (meters)							
Building Area (ft^2)	**≤ 20**	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
Building Area ≤ 3,000	**≤ 20**	1,033.77	414.65	218.14	135.08	44.63	23.14	10.01	3.15
3,000 < Building Area ≤ 10,000	**≤ 20**	707.38	325.92	183.90	119.58	41.96	22.20	9.76	3.12
10,000 < Building Area ≤ 30,000	**≤ 20**	488.94	273.75	169.32	114.26	39.57	20.43	8.71	2.64
Building Area ≤ 3,000	**> 20**	427.29	230.93	142.89	99.10	38.15	20.87	9.44	3.10
3,000 < Building Area ≤ 10,000	**> 20**	325.79	202.24	133.97	94.69	35.76	19.08	8.36	2.59
10,000 < Building Area ≤ 30,000	**> 20**	182.34	126.31	91.40	68.97	29.84	16.86	7.75	2.49

Table 8.0 – χ/Q for Natural Gas Boilers

Equipment Type	Equipment Rating (MMBTU/hr)	Cancer, Chronic, Chronic 8 Hr	χ /Q Tables	Acute χ /Q Table	Source ID
		≤ 12 hr/day	> 12 hr/day		
Gaseous Fuel Fired (Natural Gas) Boilers	2 < Rating ≤ 5	Table 8.1 A	Table 8.1 B	Table 8.8	B1
	5 < Rating ≤ 10	Table 8.2 A	Table 8.2 B		B2
	10 < Rating ≤ 20	Table 8.3 A	Table 8.3 B		B3
	20 < Rating ≤ 30	Table 8.4 A	Table 8.4 B		B4
	30 < Rating ≤ 50	Table 8.5 A	Table 8.5 B		B5
	50 < Rating ≤ 150	Table 8.6 A	Table 8.6 B		B6
	150 < Rating ≤ 200	Table 8.7 A	Table 8.7 B		B7

Table 8.1 A – χ/Q for Natural Gas Boilers

2 < Rating (MMBTU/hr) ≤ 5 **< 12 (hrs/day)**

Carcinogenic, Chronic and Chronic 8-Hour χ/Q Values ([µg/m³]/[ton/year])

		Downwind Distance (meters)							
Station Abbr.	**Location**	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
AZUS	**Azusa**	13.41	4.34	2.61	1.59	0.35	0.13	0.04	0.01
BNAP	**Banning**	14.59	4.49	2.94	1.95	0.53	0.21	0.07	0.02
CELA	**Central L.A.**	14.45	3.98	2.34	1.42	0.33	0.13	0.04	0.01
ELSI	**Lake Elsinore**	8.92	3.16	1.95	1.21	0.28	0.11	0.04	0.01
FONT	**Fontana**	16.21	4.77	2.95	1.85	0.44	0.17	0.06	0.01
MSVJ	**Mission Viejo**	10.73	3.54	2.17	1.33	0.30	0.12	0.04	0.01
PERI	**Perris**	9.87	3.21	2.04	1.33	0.35	0.14	0.05	0.01
PICO	**Pico Rivera**	15.62	4.36	2.61	1.63	0.38	0.15	0.05	0.01
RDLD	**Redlands**	11.97	4.38	2.65	1.61	0.35	0.14	0.05	0.01
UPLA	**Upland**	17.23	5.03	3.13	1.97	0.46	0.18	0.06	0.02
KBUR	**Burbank Airport**	17.17	4.93	3.08	1.99	0.49	0.20	0.07	0.02
KCNO	**Chino Airport.**	12.11	4.25	2.82	1.88	0.51	0.21	0.07	0.02
KCQT	**USC/Downtown L.A.**	12.73	4.74	2.99	1.87	0.42	0.16	0.05	0.01
KFUL	**Fullerton Airport**	17.05	4.69	2.89	1.84	0.44	0.17	0.06	0.01
KHHR	**Hawthorne Airport**	18.93	5.45	3.50	2.29	0.59	0.23	0.08	0.02
KLAX	**Los Angeles Int'l Airport**	20.56	6.23	4.23	2.91	0.83	0.33	0.11	0.03
KLGB	**Long Beach Airport**	14.51	4.30	2.77	1.82	0.46	0.19	0.06	0.02
KONT	**Ontario Airport**	17.36	5.34	3.52	2.34	0.62	0.25	0.09	0.02
KPSP	**Palm Springs Airport**	10.92	3.45	2.24	1.44	0.35	0.14	0.05	0.01
KRAL	**Riverside Airport**	14.00	5.12	3.37	2.20	0.55	0.22	0.08	0.02
KSMO	**Santa Monica Airport**	25.29	6.32	3.98	2.61	0.68	0.27	0.09	0.02
KSNA	**John Wayne Int'l Airport**	19.61	5.61	3.50	2.31	0.60	0.25	0.08	0.02
KTRM	**Desert Hot Springs Airport**	14.28	4.35	2.86	1.93	0.52	0.21	0.07	0.02
KVNY	**Van Nuys Airport**	14.28	4.29	2.66	1.71	0.43	0.17	0.06	0.01

Table 8.1 B – χ/Q for Natural Gas Boilers

2 < Rating (MMBTU/hr) ≤ 5 **> 12 (hrs/day)**

Carcinogenic, Chronic and Chronic 8-Hour χ/Q Values ([µg/m³]/[ton/year])

		Downwind Distance (meters)							
Station Abbr.	**Location**	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
AZUS	**Azusa**	8.83	2.51	1.76	1.31	0.59	0.30	0.14	0.05
BNAP	**Banning**	16.96	5.08	3.61	2.73	1.12	0.58	0.28	0.10
CELA	**Central L.A.**	8.08	2.11	1.47	1.10	0.51	0.26	0.12	0.04
ELSI	**Lake Elsinore**	5.04	1.63	1.08	0.76	0.43	0.27	0.15	0.06
FONT	**Fontana**	12.49	3.43	2.36	1.73	0.73	0.39	0.19	0.07
MSVJ	**Mission Viejo**	5.91	1.79	1.18	0.82	0.40	0.25	0.13	0.05
PERI	**Perris**	7.68	2.30	1.57	1.16	0.55	0.32	0.17	0.06
PICO	**Pico Rivera**	11.03	2.88	1.89	1.36	0.56	0.30	0.14	0.05
RDLD	**Redlands**	6.69	2.31	1.60	1.17	0.56	0.34	0.20	0.08
UPLA	**Upland**	11.18	3.05	2.13	1.56	0.69	0.36	0.19	0.08
KBUR	**Burbank Airport**	11.76	3.25	2.13	1.49	0.53	0.28	0.14	0.05
KCNO	**Chino Airport.**	10.26	3.21	2.24	1.65	0.67	0.36	0.18	0.07
KCQT	**USC/Downtown L.A.**	7.72	2.59	1.89	1.44	0.68	0.37	0.18	0.07
KFUL	**Fullerton Airport**	9.37	2.49	1.63	1.13	0.46	0.25	0.13	0.05
KHHR	**Hawthorne Airport**	12.48	3.47	2.37	1.70	0.67	0.35	0.17	0.06
KLAX	**Los Angeles Int'l Airport**	14.98	4.44	3.15	2.33	0.89	0.44	0.21	0.08
KLGB	**Long Beach Airport**	10.44	3.03	2.15	1.64	0.72	0.38	0.20	0.08
KONT	**Ontario Airport**	15.84	4.69	3.31	2.46	0.96	0.49	0.24	0.09
KPSP	**Palm Springs Airport**	12.74	3.89	2.68	1.99	0.79	0.41	0.21	0.08
KRAL	**Riverside Airport**	9.57	3.37	2.49	1.91	0.85	0.45	0.22	0.09
KSMO	**Santa Monica Airport**	14.81	3.77	2.52	1.81	0.69	0.34	0.16	0.06
KSNA	**John Wayne Int'l Airport**	14.14	3.99	2.61	1.87	0.69	0.36	0.18	0.07
KTRM	**Desert Hot Springs Airport**	13.70	4.14	2.89	2.15	0.88	0.49	0.25	0.10
KVNY	**Van Nuys Airport**	9.82	2.82	1.84	1.32	0.52	0.28	0.14	0.06

Table 8.2 A – χ/Q for Natural Gas Boilers

5 < Rating (MMBTU/hr) ≤ 10 **< 12 (hrs/day)**

Carcinogenic, Chronic and Chronic 8-Hour χ/Q Values ([µg/m³]/[ton/year])

		Downwind Distance (meters)							
Station Abbr.	**Location**	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
AZUS	**Azusa**	6.63	2.71	1.80	1.22	0.31	0.12	0.04	0.01
BNAP	**Banning**	11.09	3.56	2.41	1.71	0.49	0.20	0.07	0.02
CELA	**Central L.A.**	8.73	2.76	1.76	1.16	0.30	0.12	0.04	0.01
ELSI	**Lake Elsinore**	4.37	1.79	1.25	0.88	0.24	0.10	0.04	0.01
FONT	**Fontana**	9.95	3.25	2.17	1.50	0.39	0.16	0.06	0.01
MSVJ	**Mission Viejo**	5.65	2.19	1.48	1.01	0.26	0.11	0.04	0.01
PERI	**Perris**	6.64	2.24	1.52	1.07	0.31	0.13	0.05	0.01
PICO	**Pico Rivera**	9.95	3.09	1.97	1.33	0.34	0.14	0.05	0.01
RDLD	**Redlands**	5.59	2.64	1.79	1.22	0.31	0.12	0.05	0.01
UPLA	**Upland**	10.02	3.39	2.29	1.58	0.41	0.17	0.06	0.02
KBUR	**Burbank Airport**	11.80	3.60	2.38	1.66	0.44	0.19	0.07	0.02
KCNO	**Chino Airport.**	8.74	3.04	2.13	1.54	0.46	0.20	0.07	0.02
KCQT	**USC/Downtown L.A.**	5.69	2.76	1.95	1.38	0.36	0.14	0.05	0.01
KFUL	**Fullerton Airport**	11.06	3.32	2.19	1.51	0.40	0.16	0.06	0.01
KHHR	**Hawthorne Airport**	13.92	4.20	2.83	1.98	0.55	0.22	0.08	0.02
KLAX	**Los Angeles Int'l Airport**	15.95	5.01	3.50	2.55	0.78	0.32	0.11	0.03
KLGB	**Long Beach Airport**	10.07	3.17	2.14	1.52	0.42	0.17	0.06	0.02
KONT	**Ontario Airport**	11.97	3.85	2.68	1.94	0.57	0.24	0.08	0.02
KPSP	**Palm Springs Airport**	6.59	2.26	1.60	1.14	0.32	0.13	0.05	0.01
KRAL	**Riverside Airport**	8.19	3.30	2.38	1.72	0.49	0.20	0.07	0.02
KSMO	**Santa Monica Airport**	18.60	4.90	3.22	2.25	0.63	0.25	0.09	0.02
KSNA	**John Wayne Int'l Airport**	14.46	4.32	2.80	1.97	0.55	0.23	0.08	0.02
KTRM	**Desert Hot Springs Airport**	9.87	3.13	2.18	1.59	0.47	0.19	0.07	0.02
KVNY	**Van Nuys Airport**	9.66	3.08	2.04	1.42	0.39	0.16	0.06	0.01

Table 8.2 B – χ/Q for Natural Gas Boilers

5 < Rating (MMBTU/hr) ≤ 10 **> 12 (hrs/day)**

Carcinogenic, Chronic and Chronic 8-Hour χ/Q Values ([µg/m³]/[ton/year])

		Downwind Distance (meters)							
Station Abbr.	**Location**	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
AZUS	**Azusa**	4.10	1.35	0.93	0.69	0.27	0.17	0.10	0.05
BNAP	**Banning**	11.83	3.44	2.29	1.77	0.75	0.40	0.22	0.10
CELA	**Central L.A.**	4.54	1.30	0.88	0.64	0.24	0.15	0.09	0.04
ELSI	**Lake Elsinore**	2.52	0.89	0.62	0.45	0.16	0.11	0.09	0.05
FONT	**Fontana**	7.25	2.04	1.35	1.01	0.39	0.22	0.14	0.06
MSVJ	**Mission Viejo**	2.77	0.98	0.66	0.47	0.16	0.11	0.08	0.04
PERI	**Perris**	4.69	1.42	0.94	0.70	0.27	0.16	0.11	0.05
PICO	**Pico Rivera**	6.40	1.73	1.09	0.79	0.29	0.17	0.10	0.05
RDLD	**Redlands**	3.00	1.25	0.86	0.64	0.24	0.15	0.14	0.08
UPLA	**Upland**	6.20	1.81	1.24	0.93	0.35	0.21	0.13	0.07
KBUR	**Burbank Airport**	7.55	2.12	1.36	0.99	0.32	0.17	0.10	0.04
KCNO	**Chino Airport.**	7.07	2.16	1.47	1.11	0.42	0.22	0.13	0.06
KCQT	**USC/Downtown L.A.**	3.04	1.27	0.92	0.70	0.28	0.18	0.13	0.06
KFUL	**Fullerton Airport**	5.55	1.56	1.01	0.73	0.24	0.14	0.08	0.04
KHHR	**Hawthorne Airport**	8.37	2.34	1.54	1.14	0.41	0.22	0.12	0.05
KLAX	**Los Angeles Int'l Airport**	10.74	3.18	2.18	1.66	0.62	0.30	0.16	0.07
KLGB	**Long Beach Airport**	6.51	1.85	1.22	0.95	0.38	0.20	0.13	0.07
KONT	**Ontario Airport**	10.65	3.10	2.10	1.61	0.62	0.31	0.18	0.08
KPSP	**Palm Springs Airport**	8.99	2.67	1.76	1.34	0.52	0.27	0.15	0.07
KRAL	**Riverside Airport**	5.20	1.92	1.37	1.06	0.44	0.25	0.16	0.07
KSMO	**Santa Monica Airport**	9.81	2.53	1.65	1.21	0.42	0.21	0.11	0.05
KSNA	**John Wayne Int'l Airport**	9.34	2.65	1.67	1.23	0.42	0.21	0.12	0.06
KTRM	**Desert Hot Springs Airport**	8.68	2.65	1.75	1.34	0.53	0.29	0.18	0.08
KVNY	**Van Nuys Airport**	6.11	1.78	1.13	0.83	0.28	0.15	0.09	0.05

Table 8.3 A – χ/Q for Natural Gas Boilers

10 < Rating (MMBTU/hr) ≤ 20 **< 12 (hrs/day)**

Carcinogenic, Chronic and Chronic 8-Hour χ/Q Values ([µg/m³]/[ton/year])

		Downwind Distance (meters)							
Station Abbr.	**Location**	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
AZUS	**Azusa**	3.82	1.78	1.26	0.89	0.27	0.11	0.04	0.01
BNAP	**Banning**	8.79	2.98	2.05	1.47	0.46	0.19	0.07	0.02
CELA	**Central L.A.**	6.08	2.11	1.42	0.96	0.27	0.11	0.04	0.01
ELSI	**Lake Elsinore**	2.77	1.20	0.89	0.65	0.21	0.09	0.03	0.01
FONT	**Fontana**	7.00	2.40	1.67	1.18	0.36	0.15	0.06	0.01
MSVJ	**Mission Viejo**	3.41	1.44	1.05	0.75	0.23	0.10	0.04	0.01
PERI	**Perris**	5.10	1.76	1.22	0.88	0.28	0.12	0.05	0.01
PICO	**Pico Rivera**	7.07	2.33	1.54	1.06	0.31	0.13	0.05	0.01
RDLD	**Redlands**	3.10	1.68	1.22	0.87	0.27	0.12	0.04	0.01
UPLA	**Upland**	6.63	2.45	1.73	1.23	0.37	0.16	0.06	0.02
KBUR	**Burbank Airport**	9.04	2.88	1.95	1.38	0.41	0.18	0.07	0.02
KCNO	**Chino Airport.**	6.97	2.43	1.73	1.28	0.43	0.18	0.07	0.02
KCQT	**USC/Downtown L.A.**	3.17	1.80	1.35	0.99	0.32	0.13	0.05	0.01
KFUL	**Fullerton Airport**	8.32	2.61	1.77	1.25	0.37	0.15	0.06	0.01
KHHR	**Hawthorne Airport**	10.84	3.49	2.40	1.71	0.52	0.21	0.08	0.02
KLAX	**Los Angeles Int'l Airport**	12.76	4.24	2.99	2.21	0.73	0.30	0.11	0.03
KLGB	**Long Beach Airport**	7.66	2.55	1.75	1.26	0.38	0.16	0.06	0.01
KONT	**Ontario Airport**	9.15	3.07	2.17	1.60	0.52	0.22	0.08	0.02
KPSP	**Palm Springs Airport**	4.62	1.69	1.23	0.91	0.29	0.12	0.04	0.01
KRAL	**Riverside Airport**	5.61	2.42	1.80	1.35	0.44	0.19	0.07	0.02
KSMO	**Santa Monica Airport**	14.80	4.12	2.74	1.94	0.59	0.24	0.09	0.02
KSNA	**John Wayne Int'l Airport**	11.57	3.61	2.37	1.68	0.52	0.22	0.08	0.02
KTRM	**Desert Hot Springs Airport**	7.55	2.50	1.75	1.31	0.43	0.18	0.07	0.02
KVNY	**Van Nuys Airport**	7.43	2.47	1.66	1.18	0.36	0.15	0.06	0.01

Table 8.3 B – χ/Q for Natural Gas Boilers

10 < Rating (MMBTU/hr) ≤ 20 **> 12 (hrs/day)**

Carcinogenic, Chronic and Chronic 8-Hour χ/Q Values ([µg/m³]/[ton/year])

		Downwind Distance (meters)							
Station Abbr.	**Location**	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
AZUS	**Azusa**	2.30	0.87	0.62	0.46	0.18	0.10	0.07	0.04
BNAP	**Banning**	9.06	2.68	1.74	1.27	0.57	0.31	0.18	0.09
CELA	**Central L.A.**	3.07	0.97	0.67	0.48	0.18	0.10	0.07	0.04
ELSI	**Lake Elsinore**	1.58	0.59	0.43	0.32	0.12	0.06	0.06	0.04
FONT	**Fontana**	4.93	1.44	0.96	0.70	0.27	0.15	0.10	0.05
MSVJ	**Mission Viejo**	1.59	0.62	0.45	0.32	0.11	0.06	0.05	0.03
PERI	**Perris**	3.41	1.07	0.71	0.52	0.20	0.11	0.08	0.04
PICO	**Pico Rivera**	4.31	1.24	0.79	0.56	0.21	0.11	0.08	0.04
RDLD	**Redlands**	1.68	0.79	0.58	0.43	0.16	0.10	0.09	0.07
UPLA	**Upland**	4.03	1.27	0.88	0.65	0.25	0.14	0.09	0.06
KBUR	**Burbank Airport**	5.51	1.61	1.04	0.74	0.25	0.12	0.08	0.04
KCNO	**Chino Airport.**	5.49	1.72	1.16	0.86	0.33	0.16	0.10	0.05
KCQT	**USC/Downtown L.A.**	1.59	0.79	0.60	0.46	0.18	0.11	0.09	0.05
KFUL	**Fullerton Airport**	3.98	1.18	0.78	0.55	0.18	0.09	0.06	0.03
KHHR	**Hawthorne Airport**	6.28	1.84	1.23	0.88	0.32	0.16	0.10	0.04
KLAX	**Los Angeles Int'l Airport**	8.30	2.56	1.74	1.28	0.50	0.23	0.13	0.06
KLGB	**Long Beach Airport**	4.82	1.39	0.90	0.66	0.27	0.13	0.09	0.06
KONT	**Ontario Airport**	8.01	2.39	1.60	1.18	0.47	0.23	0.13	0.07
KPSP	**Palm Springs Airport**	7.10	2.14	1.38	1.01	0.40	0.20	0.12	0.06
KRAL	**Riverside Airport**	3.47	1.37	0.99	0.75	0.31	0.17	0.12	0.06
KSMO	**Santa Monica Airport**	7.41	2.01	1.31	0.94	0.33	0.15	0.09	0.04
KSNA	**John Wayne Int'l Airport**	7.05	2.07	1.29	0.92	0.32	0.15	0.09	0.05
KTRM	**Desert Hot Springs Airport**	6.41	2.04	1.33	0.97	0.39	0.20	0.14	0.07
KVNY	**Van Nuys Airport**	4.45	1.34	0.85	0.61	0.21	0.10	0.06	0.04

Table 8.4 A – χ/Q for Natural Gas Boilers

20 < Rating (MMBTU/hr) ≤ 30 **< 12 (hrs/day)**

Carcinogenic, Chronic and Chronic 8-Hour χ/Q Values ([µg/m³]/[ton/year])

		Downwind Distance (meters)							
Station Abbr.	**Location**	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
AZUS	**Azusa**	1.18	0.71	0.62	0.49	0.20	0.10	0.04	0.01
BNAP	**Banning**	4.92	1.80	1.43	1.08	0.39	0.17	0.07	0.02
CELA	**Central L.A.**	2.76	1.15	0.90	0.66	0.22	0.10	0.04	0.01
ELSI	**Lake Elsinore**	1.33	0.68	0.57	0.44	0.17	0.08	0.03	0.01
FONT	**Fontana**	3.46	1.34	1.07	0.81	0.29	0.14	0.05	0.01
MSVJ	**Mission Viejo**	1.41	0.72	0.62	0.49	0.19	0.09	0.03	0.01
PERI	**Perris**	2.98	1.13	0.86	0.65	0.24	0.11	0.04	0.01
PICO	**Pico Rivera**	3.76	1.38	1.04	0.76	0.26	0.12	0.05	0.01
RDLD	**Redlands**	0.84	0.60	0.57	0.47	0.20	0.10	0.04	0.01
UPLA	**Upland**	2.67	1.16	0.98	0.76	0.29	0.14	0.05	0.01
KBUR	**Burbank Airport**	4.10	1.54	1.22	0.93	0.34	0.16	0.06	0.02
KCNO	**Chino Airport.**	4.00	1.50	1.18	0.92	0.36	0.17	0.06	0.02
KCQT	**USC/Downtown L.A.**	0.37	0.47	0.50	0.44	0.21	0.12	0.05	0.01
KFUL	**Fullerton Airport**	4.63	1.63	1.24	0.91	0.31	0.14	0.05	0.01
KHHR	**Hawthorne Airport**	6.03	2.16	1.70	1.27	0.44	0.19	0.07	0.02
KLAX	**Los Angeles Int'l Airport**	6.98	2.65	2.11	1.62	0.62	0.27	0.10	0.03
KLGB	**Long Beach Airport**	3.50	1.34	1.06	0.82	0.31	0.15	0.06	0.01
KONT	**Ontario Airport**	4.88	1.80	1.43	1.11	0.44	0.20	0.08	0.02
KPSP	**Palm Springs Airport**	2.28	0.85	0.70	0.56	0.23	0.11	0.04	0.01
KRAL	**Riverside Airport**	1.85	1.02	0.97	0.81	0.35	0.17	0.07	0.02
KSMO	**Santa Monica Airport**	9.06	2.85	2.08	1.50	0.51	0.22	0.08	0.02
KSNA	**John Wayne Int'l Airport**	7.18	2.47	1.77	1.29	0.44	0.20	0.07	0.02
KTRM	**Desert Hot Springs Airport**	4.27	1.54	1.18	0.91	0.36	0.16	0.06	0.02
KVNY	**Van Nuys Airport**	4.27	1.55	1.16	0.86	0.31	0.14	0.05	0.01

Table 8.4 B – χ/Q for Natural Gas Boilers

20 < Rating (MMBTU/hr) ≤ 30 **> 12 (hrs/day)**

Carcinogenic, Chronic and Chronic 8-Hour χ/Q Values ([µg/m³]/[ton/year])

		Downwind Distance (meters)							
Station Abbr.	**Location**	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
AZUS	**Azusa**	0.98	0.33	0.27	0.22	0.10	0.06	0.04	0.03
BNAP	**Banning**	4.34	1.39	1.00	0.74	0.34	0.20	0.12	0.07
CELA	**Central L.A.**	1.22	0.49	0.39	0.29	0.12	0.06	0.04	0.03
ELSI	**Lake Elsinore**	0.71	0.32	0.26	0.20	0.08	0.04	0.03	0.03
FONT	**Fontana**	2.38	0.78	0.59	0.44	0.18	0.10	0.06	0.04
MSVJ	**Mission Viejo**	0.58	0.29	0.25	0.20	0.08	0.04	0.03	0.02
PERI	**Perris**	1.87	0.65	0.47	0.35	0.14	0.07	0.04	0.03
PICO	**Pico Rivera**	2.15	0.70	0.51	0.37	0.13	0.07	0.04	0.03
RDLD	**Redlands**	0.40	0.27	0.25	0.21	0.10	0.06	0.04	0.05
UPLA	**Upland**	1.57	0.59	0.48	0.37	0.16	0.09	0.06	0.04
KBUR	**Burbank Airport**	2.37	0.79	0.59	0.44	0.17	0.09	0.05	0.03
KCNO	**Chino Airport.**	3.01	1.03	0.76	0.57	0.23	0.12	0.06	0.04
KCQT	**USC/Downtown L.A.**	0.19	0.19	0.21	0.19	0.10	0.06	0.05	0.04
KFUL	**Fullerton Airport**	2.04	0.70	0.52	0.38	0.14	0.06	0.04	0.02
KHHR	**Hawthorne Airport**	3.25	1.05	0.80	0.59	0.23	0.12	0.06	0.03
KLAX	**Los Angeles Int'l Airport**	4.18	1.45	1.10	0.83	0.34	0.17	0.09	0.05
KLGB	**Long Beach Airport**	2.61	0.80	0.55	0.40	0.16	0.08	0.05	0.04
KONT	**Ontario Airport**	4.06	1.33	0.97	0.72	0.30	0.15	0.09	0.05
KPSP	**Palm Springs Airport**	4.28	1.36	0.92	0.67	0.27	0.14	0.08	0.05
KRAL	**Riverside Airport**	1.07	0.54	0.49	0.40	0.19	0.11	0.07	0.05
KSMO	**Santa Monica Airport**	4.21	1.28	0.92	0.67	0.24	0.11	0.06	0.03
KSNA	**John Wayne Int'l Airport**	3.98	1.28	0.87	0.63	0.22	0.10	0.05	0.03
KTRM	**Desert Hot Springs Airport**	3.54	1.23	0.85	0.62	0.25	0.13	0.08	0.05
KVNY	**Van Nuys Airport**	2.36	0.79	0.55	0.40	0.15	0.07	0.04	0.03

Table 8.5 A – χ/Q for Natural Gas Boilers

30 < Rating (MMBTU/hr) ≤ 50 **< 12 (hrs/day)**

Carcinogenic, Chronic and Chronic 8-Hour χ/Q Values ([µg/m³]/[ton/year])

		Downwind Distance (meters)							
Station Abbr.	**Location**	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
AZUS	**Azusa**	0.42	0.37	0.38	0.34	0.16	0.09	0.04	0.01
BNAP	**Banning**	3.63	1.28	1.08	0.86	0.34	0.16	0.06	0.02
CELA	**Central L.A.**	1.41	0.67	0.59	0.47	0.19	0.09	0.04	0.01
ELSI	**Lake Elsinore**	0.63	0.39	0.36	0.31	0.14	0.07	0.03	0.01
FONT	**Fontana**	2.04	0.83	0.73	0.59	0.25	0.12	0.05	0.01
MSVJ	**Mission Viejo**	0.59	0.38	0.38	0.33	0.15	0.08	0.03	0.01
PERI	**Perris**	2.11	0.82	0.65	0.51	0.20	0.10	0.04	0.01
PICO	**Pico Rivera**	2.33	0.91	0.74	0.57	0.22	0.11	0.04	0.01
RDLD	**Redlands**	0.37	0.35	0.38	0.34	0.17	0.09	0.04	0.01
UPLA	**Upland**	1.18	0.60	0.60	0.52	0.24	0.13	0.05	0.01
KBUR	**Burbank Airport**	2.39	0.95	0.82	0.68	0.29	0.15	0.06	0.02
KCNO	**Chino Airport.**	3.16	1.19	0.95	0.76	0.31	0.15	0.06	0.02
KCQT	**USC/Downtown L.A.**	0.21	0.30	0.35	0.33	0.18	0.10	0.04	0.01
KFUL	**Fullerton Airport**	2.96	1.12	0.91	0.70	0.27	0.13	0.05	0.01
KHHR	**Hawthorne Airport**	4.44	1.60	1.33	1.03	0.39	0.18	0.07	0.02
KLAX	**Los Angeles Int'l Airport**	5.13	1.98	1.65	1.32	0.53	0.25	0.10	0.03
KLGB	**Long Beach Airport**	2.10	0.84	0.71	0.58	0.26	0.13	0.05	0.01
KONT	**Ontario Airport**	3.50	1.30	1.08	0.87	0.37	0.18	0.07	0.02
KPSP	**Palm Springs Airport**	1.84	0.69	0.54	0.43	0.19	0.10	0.04	0.01
KRAL	**Riverside Airport**	1.01	0.61	0.65	0.59	0.29	0.15	0.06	0.02
KSMO	**Santa Monica Airport**	6.54	2.14	1.64	1.23	0.44	0.20	0.08	0.02
KSNA	**John Wayne Int'l Airport**	5.49	1.92	1.43	1.07	0.39	0.18	0.07	0.02
KTRM	**Desert Hot Springs Airport**	2.88	1.06	0.85	0.69	0.29	0.14	0.06	0.02
KVNY	**Van Nuys Airport**	3.09	1.15	0.89	0.69	0.27	0.13	0.05	0.01

Table 8.5 B – χ/Q for Natural Gas Boilers

30 < Rating (MMBTU/hr) ≤ 50 **> 12 (hrs/day)**

Carcinogenic, Chronic and Chronic 8-Hour χ/Q Values ([µg/m³]/[ton/year])

		Downwind Distance (meters)							
Station Abbr.	**Location**	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
AZUS	**Azusa**	0.48	0.19	0.16	0.14	0.08	0.05	0.03	0.02
BNAP	**Banning**	2.98	0.92	0.69	0.53	0.23	0.14	0.09	0.06
CELA	**Central L.A.**	0.59	0.27	0.24	0.20	0.09	0.05	0.03	0.02
ELSI	**Lake Elsinore**	0.31	0.17	0.15	0.13	0.06	0.04	0.02	0.02
FONT	**Fontana**	1.38	0.48	0.39	0.31	0.13	0.07	0.04	0.03
MSVJ	**Mission Viejo**	0.24	0.15	0.15	0.13	0.06	0.04	0.02	0.01
PERI	**Perris**	1.26	0.45	0.34	0.26	0.11	0.06	0.03	0.02
PICO	**Pico Rivera**	1.21	0.43	0.34	0.26	0.10	0.05	0.03	0.02
RDLD	**Redlands**	0.17	0.15	0.16	0.14	0.08	0.05	0.03	0.03
UPLA	**Upland**	0.69	0.30	0.28	0.24	0.12	0.07	0.04	0.03
KBUR	**Burbank Airport**	1.41	0.48	0.38	0.31	0.13	0.07	0.04	0.02
KCNO	**Chino Airport.**	2.30	0.80	0.60	0.46	0.19	0.10	0.05	0.03
KCQT	**USC/Downtown L.A.**	0.13	0.12	0.14	0.14	0.08	0.05	0.03	0.02
KFUL	**Fullerton Airport**	1.24	0.46	0.37	0.29	0.11	0.05	0.03	0.02
KHHR	**Hawthorne Airport**	2.25	0.75	0.60	0.47	0.19	0.10	0.05	0.03
KLAX	**Los Angeles Int'l Airport**	2.90	1.05	0.82	0.65	0.27	0.14	0.07	0.04
KLGB	**Long Beach Airport**	1.81	0.57	0.40	0.30	0.11	0.06	0.03	0.03
KONT	**Ontario Airport**	2.81	0.94	0.70	0.54	0.22	0.11	0.06	0.04
KPSP	**Palm Springs Airport**	3.20	1.04	0.72	0.53	0.21	0.11	0.06	0.04
KRAL	**Riverside Airport**	0.61	0.32	0.32	0.29	0.15	0.08	0.05	0.03
KSMO	**Santa Monica Airport**	2.88	0.92	0.70	0.52	0.19	0.09	0.04	0.02
KSNA	**John Wayne Int'l Airport**	2.82	0.94	0.67	0.49	0.18	0.08	0.04	0.02
KTRM	**Desert Hot Springs Airport**	2.66	0.95	0.66	0.48	0.19	0.10	0.06	0.04
KVNY	**Van Nuys Airport**	1.60	0.55	0.41	0.31	0.12	0.06	0.03	0.02

Table 8.6 A – χ/Q for Natural Gas Boilers

50 < Rating (MMBTU/hr) ≤ 150 **< 12 (hrs/day)**

Carcinogenic, Chronic and Chronic 8-Hour χ/Q Values ([µg/m³]/[ton/year])

		Downwind Distance (meters)							
Station Abbr.	**Location**	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
AZUS	**Azusa**	0.06	0.15	0.19	0.20	0.13	0.08	0.04	0.01
BNAP	**Banning**	0.00	0.02	0.09	0.17	0.20	0.13	0.06	0.02
CELA	**Central L.A.**	0.04	0.13	0.18	0.21	0.14	0.08	0.03	0.01
ELSI	**Lake Elsinore**	0.08	0.14	0.16	0.16	0.10	0.06	0.03	0.01
FONT	**Fontana**	0.03	0.09	0.16	0.20	0.17	0.10	0.05	0.01
MSVJ	**Mission Viejo**	0.03	0.10	0.15	0.17	0.12	0.07	0.03	0.01
PERI	**Perris**	0.08	0.11	0.14	0.16	0.13	0.08	0.04	0.01
PICO	**Pico Rivera**	0.03	0.11	0.17	0.21	0.15	0.09	0.04	0.01
RDLD	**Redlands**	0.07	0.14	0.19	0.20	0.14	0.08	0.04	0.01
UPLA	**Upland**	0.03	0.10	0.18	0.23	0.18	0.11	0.05	0.01
KBUR	**Burbank Airport**	0.03	0.09	0.14	0.19	0.19	0.12	0.06	0.02
KCNO	**Chino Airport.**	0.02	0.06	0.10	0.15	0.18	0.12	0.05	0.02
KCQT	**USC/Downtown L.A.**	0.05	0.14	0.19	0.20	0.15	0.09	0.04	0.01
KFUL	**Fullerton Airport**	0.03	0.10	0.17	0.21	0.17	0.10	0.05	0.01
KHHR	**Hawthorne Airport**	0.02	0.08	0.17	0.25	0.24	0.15	0.06	0.02
KLAX	**Los Angeles Int'l Airport**	0.01	0.04	0.12	0.21	0.28	0.19	0.09	0.03
KLGB	**Long Beach Airport**	0.02	0.07	0.13	0.17	0.17	0.11	0.05	0.01
KONT	**Ontario Airport**	0.01	0.06	0.11	0.17	0.21	0.14	0.07	0.02
KPSP	**Palm Springs Airport**	0.02	0.06	0.11	0.14	0.13	0.08	0.04	0.01
KRAL	**Riverside Airport**	0.02	0.07	0.14	0.19	0.19	0.13	0.06	0.02
KSMO	**Santa Monica Airport**	0.01	0.08	0.18	0.26	0.25	0.16	0.07	0.02
KSNA	**John Wayne Int'l Airport**	0.02	0.07	0.14	0.20	0.22	0.14	0.06	0.02
KTRM	**Desert Hot Springs Airport**	0.01	0.05	0.09	0.14	0.16	0.11	0.05	0.01
KVNY	**Van Nuys Airport**	0.03	0.08	0.13	0.16	0.16	0.10	0.05	0.01

Table 8.6 B – χ/Q for Natural Gas Boilers

50 < Rating (MMBTU/hr) ≤ 150 **> 12 (hrs/day)**

Carcinogenic, Chronic and Chronic 8-Hour χ/Q Values ([µg/m³]/[ton/year])

		Downwind Distance (meters)							
Station Abbr.	**Location**	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
AZUS	**Azusa**	0.03	0.07	0.08	0.08	0.06	0.04	0.02	0.01
BNAP	**Banning**	0.00	0.01	0.04	0.08	0.10	0.07	0.05	0.03
CELA	**Central L.A.**	0.02	0.05	0.07	0.08	0.06	0.04	0.02	0.01
ELSI	**Lake Elsinore**	0.04	0.06	0.07	0.06	0.04	0.03	0.02	0.01
FONT	**Fontana**	0.02	0.04	0.07	0.08	0.07	0.05	0.03	0.02
MSVJ	**Mission Viejo**	0.02	0.04	0.06	0.07	0.05	0.03	0.01	0.01
PERI	**Perris**	0.04	0.05	0.06	0.06	0.06	0.04	0.02	0.01
PICO	**Pico Rivera**	0.02	0.05	0.07	0.08	0.06	0.04	0.02	0.01
RDLD	**Redlands**	0.04	0.06	0.08	0.08	0.06	0.04	0.02	0.02
UPLA	**Upland**	0.02	0.05	0.07	0.09	0.08	0.05	0.03	0.02
KBUR	**Burbank Airport**	0.01	0.04	0.06	0.08	0.08	0.05	0.03	0.01
KCNO	**Chino Airport.**	0.01	0.03	0.04	0.06	0.08	0.06	0.03	0.02
KCQT	**USC/Downtown L.A.**	0.02	0.06	0.08	0.08	0.06	0.04	0.02	0.01
KFUL	**Fullerton Airport**	0.01	0.05	0.07	0.08	0.07	0.04	0.02	0.01
KHHR	**Hawthorne Airport**	0.01	0.04	0.07	0.10	0.10	0.07	0.04	0.02
KLAX	**Los Angeles Int'l Airport**	0.00	0.02	0.05	0.09	0.12	0.09	0.05	0.02
KLGB	**Long Beach Airport**	0.01	0.03	0.05	0.07	0.06	0.04	0.02	0.01
KONT	**Ontario Airport**	0.01	0.03	0.05	0.07	0.09	0.07	0.04	0.02
KPSP	**Palm Springs Airport**	0.01	0.03	0.04	0.06	0.08	0.06	0.04	0.02
KRAL	**Riverside Airport**	0.01	0.03	0.06	0.08	0.09	0.06	0.03	0.02
KSMO	**Santa Monica Airport**	0.01	0.03	0.07	0.10	0.10	0.07	0.03	0.01
KSNA	**John Wayne Int'l Airport**	0.01	0.03	0.06	0.08	0.09	0.06	0.03	0.01
KTRM	**Desert Hot Springs Airport**	0.00	0.02	0.04	0.05	0.06	0.05	0.04	0.02
KVNY	**Van Nuys Airport**	0.01	0.04	0.06	0.07	0.06	0.04	0.02	0.01

Table 8.7 A – χ/Q for Natural Gas Boilers

150 < Rating (MMBTU/hr) ≤ 200 **< 12 (hrs/day)**

Carcinogenic, Chronic and Chronic 8-Hour χ/Q Values ([µg/m³]/[ton/year])

		Downwind Distance (meters)							
Station Abbr.	**Location**	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
AZUS	**Azusa**	0.03	0.07	0.10	0.11	0.09	0.06	0.03	0.01
BNAP	**Banning**	0.00	0.01	0.03	0.07	0.12	0.09	0.05	0.01
CELA	**Central L.A.**	0.02	0.06	0.09	0.10	0.09	0.06	0.03	0.01
ELSI	**Lake Elsinore**	0.04	0.07	0.08	0.09	0.07	0.05	0.02	0.01
FONT	**Fontana**	0.01	0.04	0.07	0.10	0.11	0.08	0.04	0.01
MSVJ	**Mission Viejo**	0.01	0.05	0.07	0.09	0.08	0.05	0.03	0.01
PERI	**Perris**	0.03	0.05	0.07	0.08	0.08	0.06	0.03	0.01
PICO	**Pico Rivera**	0.01	0.05	0.09	0.11	0.10	0.07	0.03	0.01
RDLD	**Redlands**	0.03	0.06	0.09	0.11	0.09	0.06	0.03	0.01
UPLA	**Upland**	0.01	0.04	0.08	0.11	0.12	0.08	0.04	0.01
KBUR	**Burbank Airport**	0.01	0.04	0.07	0.09	0.12	0.09	0.05	0.01
KCNO	**Chino Airport.**	0.01	0.03	0.05	0.07	0.10	0.08	0.04	0.01
KCQT	**USC/Downtown L.A.**	0.02	0.07	0.10	0.11	0.10	0.07	0.03	0.01
KFUL	**Fullerton Airport**	0.01	0.05	0.08	0.11	0.11	0.08	0.04	0.01
KHHR	**Hawthorne Airport**	0.01	0.04	0.07	0.11	0.16	0.11	0.06	0.02
KLAX	**Los Angeles Int'l Airport**	0.00	0.02	0.05	0.09	0.17	0.14	0.07	0.02
KLGB	**Long Beach Airport**	0.01	0.04	0.06	0.09	0.11	0.08	0.04	0.01
KONT	**Ontario Airport**	0.01	0.03	0.05	0.08	0.13	0.10	0.05	0.02
KPSP	**Palm Springs Airport**	0.01	0.03	0.05	0.07	0.08	0.06	0.03	0.01
KRAL	**Riverside Airport**	0.01	0.03	0.06	0.09	0.12	0.09	0.05	0.01
KSMO	**Santa Monica Airport**	0.00	0.03	0.08	0.12	0.16	0.12	0.06	0.02
KSNA	**John Wayne Int'l Airport**	0.01	0.03	0.06	0.10	0.13	0.10	0.05	0.02
KTRM	**Desert Hot Springs Airport**	0.00	0.02	0.04	0.06	0.10	0.08	0.04	0.01
KVNY	**Van Nuys Airport**	0.01	0.04	0.07	0.08	0.10	0.08	0.04	0.01

Table 8.7 B – χ/Q for Natural Gas Boilers

150 < Rating (MMBTU/hr) ≤ 200 **> 12 (hrs/day)**

Carcinogenic, Chronic and Chronic 8-Hour χ/Q Values ([µg/m³]/[ton/year])

		Downwind Distance (meters)							
Station Abbr.	**Location**	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
AZUS	**Azusa**	0.01	0.03	0.04	0.04	0.04	0.03	0.01	0.01
BNAP	**Banning**	0.00	0.01	0.02	0.03	0.06	0.04	0.03	0.02
CELA	**Central L.A.**	0.01	0.03	0.03	0.04	0.04	0.03	0.01	0.01
ELSI	**Lake Elsinore**	0.02	0.03	0.03	0.03	0.03	0.02	0.01	0.01
FONT	**Fontana**	0.01	0.02	0.03	0.04	0.05	0.03	0.02	0.01
MSVJ	**Mission Viejo**	0.01	0.02	0.03	0.03	0.03	0.02	0.01	0.00
PERI	**Perris**	0.02	0.02	0.03	0.03	0.03	0.03	0.02	0.01
PICO	**Pico Rivera**	0.01	0.02	0.04	0.04	0.04	0.03	0.01	0.01
RDLD	**Redlands**	0.02	0.03	0.04	0.04	0.04	0.03	0.02	0.01
UPLA	**Upland**	0.01	0.02	0.03	0.04	0.05	0.04	0.02	0.01
KBUR	**Burbank Airport**	0.01	0.02	0.03	0.04	0.05	0.04	0.02	0.01
KCNO	**Chino Airport.**	0.00	0.01	0.02	0.03	0.04	0.04	0.02	0.01
KCQT	**USC/Downtown L.A.**	0.01	0.03	0.04	0.05	0.04	0.03	0.02	0.01
KFUL	**Fullerton Airport**	0.01	0.02	0.03	0.04	0.04	0.03	0.02	0.01
KHHR	**Hawthorne Airport**	0.00	0.02	0.03	0.04	0.06	0.05	0.03	0.01
KLAX	**Los Angeles Int'l Airport**	0.00	0.01	0.02	0.04	0.07	0.06	0.03	0.01
KLGB	**Long Beach Airport**	0.00	0.02	0.03	0.03	0.04	0.03	0.02	0.01
KONT	**Ontario Airport**	0.00	0.01	0.02	0.03	0.05	0.04	0.03	0.01
KPSP	**Palm Springs Airport**	0.00	0.01	0.02	0.03	0.04	0.04	0.03	0.01
KRAL	**Riverside Airport**	0.00	0.02	0.03	0.04	0.05	0.04	0.02	0.01
KSMO	**Santa Monica Airport**	0.00	0.02	0.03	0.05	0.06	0.05	0.03	0.01
KSNA	**John Wayne Int'l Airport**	0.00	0.02	0.03	0.04	0.05	0.04	0.02	0.01
KTRM	**Desert Hot Springs Airport**	0.00	0.01	0.02	0.03	0.04	0.03	0.02	0.01
KVNY	**Van Nuys Airport**	0.01	0.02	0.03	0.04	0.04	0.03	0.02	0.01

Table 8.8 – χ/Q for Natural Gas Boilers

All Operating Conditions

Acute Hazard Index
χ/Q Values ([µg/m³]/[lb/hr]))

	Downwind Distance (meters)							
Rating (MMBTU/hr)	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
2 < Rating ≤ 5	246.77	77.10	64.07	55.15	24.90	11.86	6.16	2.89
5 < Rating ≤ 10	176.34	52.72	41.10	35.06	15.72	6.62	3.69	2.43
10 < Rating ≤ 20	146.20	45.42	34.41	28.20	12.56	5.80	3.10	1.91
20 < Rating ≤ 30	100.89	31.91	25.44	20.43	9.54	4.48	2.52	1.25
30 < Rating ≤ 50	83.84	27.57	21.80	17.40	7.80	3.93	2.21	1.10
50 < Rating ≤ 150	7.32	3.85	4.74	4.48	3.30	2.50	1.62	0.82
150 < Rating ≤ 200	3.82	2.50	2.65	3.12	2.44	1.85	1.21	0.61

Table 9.0 – χ/Q for Natural Gas Internal Combustion Engines

Equipment Type	Equipment Rating (BHP)	Cancer, Chronic, Chronic 8 Hr χ/Q Tables		Acute χ/Q Table	Source ID
		≤ 12 hr/day	> 12 hr/day		
Natural Gas Reciprocating Internal Combustion Engines	50 < Rating ≤ 75	Table 9.1 A	Table 9.1 B	Table 9.6	N1
	75 < Rating ≤ 150	Table 9.2 A	Table 9.2 B		N2
	150 < Rating ≤ 250	Table 9.3 A	Table 9.3 B		N3
	250 < Rating ≤ 1000	Table 9.4 A	Table 9.4 B		N4
	Rating > 1000	Table 9.5 A	Table 9.5 B		N5

Table 9.1 A – χ/Q for Natural Gas Internal Combustion Engines

50 < Rating (BHP) ≤ 75 **< 12 (hrs/day)**

Carcinogenic, Chronic and Chronic 8-Hour χ/Q Values ([µg/m³]/[ton/year])

		Downwind Distance (meters)							
Station Abbr.	**Location**	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
AZUS	**Azusa**	32.01	7.57	3.93	2.24	0.42	0.14	0.05	0.01
BNAP	**Banning**	38.68	8.93	4.76	2.83	0.64	0.24	0.08	0.02
CELA	**Central L.A.**	32.26	7.30	3.64	2.06	0.41	0.14	0.05	0.01
ELSI	**Lake Elsinore**	21.77	5.76	2.98	1.69	0.34	0.12	0.04	0.01
FONT	**Fontana**	37.79	8.52	4.46	2.59	0.53	0.19	0.06	0.02
MSVJ	**Mission Viejo**	24.52	6.22	3.24	1.83	0.35	0.13	0.04	0.01
PERI	**Perris**	22.74	5.86	3.14	1.86	0.41	0.16	0.05	0.01
PICO	**Pico Rivera**	34.27	7.79	3.97	2.29	0.45	0.16	0.05	0.01
RDLD	**Redlands**	30.36	7.78	4.02	2.26	0.43	0.15	0.05	0.01
UPLA	**Upland**	40.22	9.05	4.80	2.80	0.56	0.20	0.07	0.02
KBUR	**Burbank Airport**	42.23	9.05	4.73	2.78	0.58	0.22	0.07	0.02
KCNO	**Chino Airport.**	31.86	8.21	4.49	2.68	0.61	0.23	0.07	0.02
KCQT	**USC/Downtown L.A.**	32.55	8.50	4.54	2.63	0.51	0.18	0.06	0.01
KFUL	**Fullerton Airport**	36.73	8.24	4.38	2.58	0.54	0.19	0.06	0.02
KHHR	**Hawthorne Airport**	48.48	10.62	5.69	3.38	0.74	0.26	0.09	0.02
KLAX	**Los Angeles Int'l Airport**	54.50	12.46	7.05	4.40	1.06	0.38	0.12	0.03
KLGB	**Long Beach Airport**	34.78	7.80	4.20	2.53	0.55	0.21	0.07	0.02
KONT	**Ontario Airport**	42.30	9.97	5.50	3.33	0.75	0.28	0.09	0.02
KPSP	**Palm Springs Airport**	26.05	6.19	3.34	1.97	0.42	0.15	0.05	0.01
KRAL	**Riverside Airport**	37.51	9.69	5.28	3.13	0.67	0.24	0.08	0.02
KSMO	**Santa Monica Airport**	53.59	11.42	6.22	3.77	0.84	0.30	0.10	0.02
KSNA	**John Wayne Int'l Airport**	42.99	10.05	5.34	3.23	0.71	0.27	0.09	0.02
KTRM	**Desert Hot Springs Airport**	30.67	7.76	4.36	2.71	0.63	0.24	0.08	0.02
KVNY	**Van Nuys Airport**	31.64	7.53	4.00	2.35	0.51	0.19	0.06	0.01

Table 9.1 B – χ/Q for Natural Gas Internal Combustion Engines

50 < Rating (BHP) ≤ 75 **> 12 (hrs/day)**

Carcinogenic, Chronic and Chronic 8-Hour χ/Q Values ([µg/m³]/[ton/year])

		Downwind Distance (meters)							
Station Abbr.	**Location**	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
AZUS	**Azusa**	22.16	6.82	4.89	3.63	1.20	0.42	0.14	0.04
BNAP	**Banning**	43.66	12.89	8.19	5.78	1.99	0.81	0.31	0.10
CELA	**Central L.A.**	19.50	6.05	4.26	3.23	1.07	0.37	0.13	0.04
ELSI	**Lake Elsinore**	12.04	4.14	3.20	2.55	1.00	0.43	0.17	0.06
FONT	**Fontana**	29.32	8.35	5.59	4.07	1.40	0.56	0.20	0.07
MSVJ	**Mission Viejo**	15.67	4.80	3.43	2.58	0.94	0.39	0.16	0.05
PERI	**Perris**	17.73	5.68	3.96	2.98	1.10	0.49	0.20	0.07
PICO	**Pico Rivera**	24.75	7.29	4.75	3.36	1.02	0.39	0.14	0.04
RDLD	**Redlands**	18.17	5.69	4.08	3.59	1.65	0.60	0.19	0.07
UPLA	**Upland**	26.65	7.41	5.23	3.89	1.34	0.50	0.18	0.06
KBUR	**Burbank Airport**	28.06	7.33	4.55	3.15	0.98	0.43	0.17	0.05
KCNO	**Chino Airport.**	26.01	7.66	4.94	3.52	1.29	0.58	0.23	0.07
KCQT	**USC/Downtown L.A.**	22.13	7.25	5.46	4.24	1.49	0.53	0.17	0.06
KFUL	**Fullerton Airport**	21.21	5.92	3.97	2.78	0.87	0.37	0.15	0.05
KHHR	**Hawthorne Airport**	31.43	8.47	5.39	3.76	1.18	0.48	0.18	0.06
KLAX	**Los Angeles Int'l Airport**	38.21	10.48	6.77	4.74	1.57	0.66	0.25	0.08
KLGB	**Long Beach Airport**	23.38	7.52	5.20	3.89	1.46	0.62	0.23	0.08
KONT	**Ontario Airport**	37.07	10.63	6.93	4.96	1.75	0.77	0.30	0.10
KPSP	**Palm Springs Airport**	27.17	8.69	5.66	4.07	1.42	0.62	0.24	0.08
KRAL	**Riverside Airport**	26.33	8.71	6.06	4.53	1.68	0.69	0.26	0.09
KSMO	**Santa Monica Airport**	31.42	8.49	5.53	3.88	1.23	0.49	0.18	0.06
KSNA	**John Wayne Int'l Airport**	30.25	8.70	5.44	3.86	1.30	0.56	0.22	0.07
KTRM	**Desert Hot Springs Airport**	29.98	9.53	6.26	4.52	1.67	0.77	0.31	0.10
KVNY	**Van Nuys Airport**	21.17	6.18	4.01	2.88	1.03	0.45	0.18	0.06

Table 9.2 A – χ/Q for Natural Gas Internal Combustion Engines

75 < Rating (BHP) ≤ 150 **< 12 (hrs/day)**

Carcinogenic, Chronic and Chronic 8-Hour χ/Q Values ([µg/m³]/[ton/year])

		Downwind Distance (meters)							
Station Abbr.	**Location**	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
AZUS	**Azusa**	18.85	5.64	3.29	1.98	0.40	0.14	0.05	0.01
BNAP	**Banning**	28.35	7.32	4.20	2.60	0.62	0.23	0.08	0.02
CELA	**Central L.A.**	21.69	5.72	3.17	1.86	0.39	0.13	0.04	0.01
ELSI	**Lake Elsinore**	12.22	3.98	2.35	1.42	0.31	0.11	0.04	0.01
FONT	**Fontana**	24.88	6.53	3.80	2.32	0.50	0.18	0.06	0.02
MSVJ	**Mission Viejo**	15.29	4.65	2.71	1.61	0.33	0.12	0.04	0.01
PERI	**Perris**	15.28	4.46	2.63	1.64	0.39	0.15	0.05	0.01
PICO	**Pico Rivera**	23.33	6.12	3.43	2.06	0.43	0.16	0.05	0.01
RDLD	**Redlands**	17.36	5.69	3.34	2.00	0.40	0.14	0.05	0.01
UPLA	**Upland**	25.63	6.85	4.07	2.50	0.53	0.19	0.06	0.02
KBUR	**Burbank Airport**	29.72	7.24	4.12	2.53	0.55	0.21	0.07	0.02
KCNO	**Chino Airport.**	22.67	6.48	3.87	2.42	0.58	0.22	0.07	0.02
KCQT	**USC/Downtown L.A.**	18.61	6.14	3.75	2.30	0.48	0.17	0.06	0.01
KFUL	**Fullerton Airport**	25.25	6.52	3.79	2.33	0.51	0.18	0.06	0.02
KHHR	**Hawthorne Airport**	35.00	8.65	5.00	3.10	0.71	0.25	0.08	0.02
KLAX	**Los Angeles Int'l Airport**	40.38	10.34	6.22	4.01	1.01	0.37	0.12	0.03
KLGB	**Long Beach Airport**	24.49	6.18	3.63	2.28	0.52	0.20	0.07	0.02
KONT	**Ontario Airport**	30.05	7.88	4.75	3.01	0.72	0.27	0.09	0.02
KPSP	**Palm Springs Airport**	17.02	4.67	2.82	1.76	0.40	0.15	0.05	0.01
KRAL	**Riverside Airport**	24.45	7.35	4.47	2.80	0.64	0.23	0.08	0.02
KSMO	**Santa Monica Airport**	39.13	9.30	5.44	3.42	0.80	0.29	0.10	0.02
KSNA	**John Wayne Int'l Airport**	31.67	8.18	4.68	2.94	0.68	0.26	0.09	0.02
KTRM	**Desert Hot Springs Airport**	21.60	6.03	3.70	2.40	0.59	0.23	0.08	0.02
KVNY	**Van Nuys Airport**	22.59	5.99	3.46	2.13	0.49	0.18	0.06	0.01

Table 9.2 B – χ/Q for Natural Gas Internal Combustion Engines

75 < Rating (BHP) ≤ 150 **> 12 (hrs/day)**

Carcinogenic, Chronic and Chronic 8-Hour χ/Q Values ([µg/m³]/[ton/year])

		Downwind Distance (meters)							
Station Abbr.	**Location**	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
AZUS	**Azusa**	12.22	3.59	2.54	1.93	0.78	0.35	0.14	0.05
BNAP	**Banning**	30.57	8.89	5.80	4.17	1.61	0.73	0.31	0.11
CELA	**Central L.A.**	12.22	3.33	2.36	1.79	0.69	0.29	0.11	0.04
ELSI	**Lake Elsinore**	6.74	2.15	1.40	1.00	0.53	0.31	0.16	0.06
FONT	**Fontana**	18.53	5.10	3.37	2.46	0.97	0.45	0.20	0.07
MSVJ	**Mission Viejo**	8.68	2.56	1.68	1.22	0.51	0.28	0.14	0.05
PERI	**Perris**	11.26	3.42	2.24	1.64	0.70	0.36	0.17	0.06
PICO	**Pico Rivera**	15.68	4.33	2.78	2.01	0.74	0.34	0.15	0.05
RDLD	**Redlands**	9.95	3.19	2.18	1.62	0.71	0.37	0.20	0.08
UPLA	**Upland**	16.40	4.42	3.01	2.22	0.92	0.41	0.20	0.08
KBUR	**Burbank Airport**	19.32	5.12	3.18	2.21	0.75	0.36	0.16	0.05
KCNO	**Chino Airport.**	18.12	5.29	3.43	2.43	0.96	0.47	0.21	0.07
KCQT	**USC/Downtown L.A.**	11.71	3.70	2.77	2.20	0.98	0.44	0.19	0.07
KFUL	**Fullerton Airport**	13.94	3.75	2.43	1.71	0.62	0.30	0.13	0.05
KHHR	**Hawthorne Airport**	21.65	5.72	3.61	2.53	0.91	0.41	0.17	0.06
KLAX	**Los Angeles Int'l Airport**	27.40	7.64	4.99	3.54	1.27	0.57	0.24	0.08
KLGB	**Long Beach Airport**	16.09	4.91	3.36	2.52	1.06	0.51	0.22	0.08
KONT	**Ontario Airport**	26.10	7.49	5.00	3.62	1.37	0.65	0.28	0.10
KPSP	**Palm Springs Airport**	19.94	6.33	4.17	3.03	1.14	0.54	0.23	0.08
KRAL	**Riverside Airport**	16.52	5.34	3.72	2.81	1.19	0.56	0.24	0.09
KSMO	**Santa Monica Airport**	21.93	5.76	3.72	2.65	0.94	0.41	0.17	0.06
KSNA	**John Wayne Int'l Airport**	21.48	6.12	3.83	2.72	0.99	0.47	0.20	0.07
KTRM	**Desert Hot Springs Airport**	21.32	6.64	4.46	3.26	1.30	0.65	0.29	0.10
KVNY	**Van Nuys Airport**	14.56	4.18	2.64	1.90	0.74	0.36	0.16	0.06

Table 9.3 A – χ/Q for Natural Gas Internal Combustion Engines

150 < Rating (BHP) ≤ 250 **< 12 (hrs/day)**

Carcinogenic, Chronic and Chronic 8-Hour χ/Q Values ([µg/m³]/[ton/year])

		Downwind Distance (meters)							
Station Abbr.	**Location**	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
AZUS	**Azusa**	8.43	3.18	2.05	1.40	0.34	0.12	0.04	0.01
BNAP	**Banning**	19.24	5.22	3.13	2.13	0.56	0.21	0.07	0.02
CELA	**Central L.A.**	11.92	3.71	2.23	1.45	0.34	0.12	0.04	0.01
ELSI	**Lake Elsinore**	5.37	2.04	1.35	0.95	0.25	0.10	0.04	0.01
FONT	**Fontana**	14.04	4.11	2.56	1.76	0.44	0.16	0.06	0.01
MSVJ	**Mission Viejo**	7.16	2.65	1.69	1.13	0.27	0.11	0.04	0.01
PERI	**Perris**	9.31	2.90	1.80	1.25	0.34	0.13	0.05	0.01
PICO	**Pico Rivera**	13.37	4.02	2.39	1.59	0.37	0.14	0.05	0.01
RDLD	**Redlands**	7.44	3.09	2.02	1.39	0.34	0.13	0.05	0.01
UPLA	**Upland**	13.49	4.19	2.70	1.88	0.46	0.17	0.06	0.02
KBUR	**Burbank Airport**	18.60	4.99	2.97	2.02	0.49	0.20	0.07	0.02
KCNO	**Chino Airport.**	14.96	4.39	2.72	1.89	0.52	0.20	0.07	0.02
KCQT	**USC/Downtown L.A.**	7.49	3.28	2.25	1.62	0.41	0.15	0.05	0.01
KFUL	**Fullerton Airport**	14.84	4.33	2.67	1.82	0.46	0.17	0.06	0.02
KHHR	**Hawthorne Airport**	23.33	6.09	3.70	2.52	0.65	0.24	0.08	0.02
KLAX	**Los Angeles Int'l Airport**	28.10	7.53	4.67	3.26	0.92	0.35	0.12	0.03
KLGB	**Long Beach Airport**	15.05	4.20	2.58	1.80	0.46	0.18	0.07	0.02
KONT	**Ontario Airport**	18.98	5.30	3.33	2.34	0.64	0.25	0.09	0.02
KPSP	**Palm Springs Airport**	9.13	2.81	1.85	1.31	0.35	0.13	0.05	0.01
KRAL	**Riverside Airport**	13.23	4.44	2.91	2.08	0.56	0.21	0.08	0.02
KSMO	**Santa Monica Airport**	25.80	6.65	4.04	2.78	0.73	0.27	0.09	0.02
KSNA	**John Wayne Int'l Airport**	21.15	5.89	3.47	2.38	0.62	0.24	0.08	0.02
KTRM	**Desert Hot Springs Airport**	7.55	2.50	1.75	1.31	0.43	0.18	0.07	0.02
KVNY	**Van Nuys Airport**	7.43	2.47	1.66	1.18	0.36	0.15	0.06	0.01

Table 9.3 B – χ/Q for Natural Gas Internal Combustion Engines

150 < Rating (BHP) ≤ 250 **> 12 (hrs/day)**

Carcinogenic, Chronic and Chronic 8-Hour χ/Q Values ([µg/m³]/[ton/year])

		Downwind Distance (meters)							
Station Abbr.	**Location**	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
AZUS	**Azusa**	4.94	1.62	1.08	0.82	0.33	0.18	0.10	0.05
BNAP	**Banning**	19.11	5.27	3.14	2.34	1.00	0.52	0.25	0.10
CELA	**Central L.A.**	6.17	1.77	1.13	0.84	0.32	0.16	0.09	0.04
ELSI	**Lake Elsinore**	3.02	1.04	0.68	0.50	0.18	0.12	0.09	0.05
FONT	**Fontana**	9.83	2.71	1.67	1.23	0.47	0.25	0.14	0.06
MSVJ	**Mission Viejo**	3.53	1.21	0.76	0.54	0.17	0.11	0.08	0.04
PERI	**Perris**	6.37	1.92	1.17	0.85	0.32	0.18	0.11	0.05
PICO	**Pico Rivera**	8.17	2.31	1.35	0.98	0.35	0.19	0.11	0.04
RDLD	**Redlands**	4.02	1.49	0.99	0.74	0.29	0.16	0.13	0.08
UPLA	**Upland**	8.13	2.30	1.48	1.12	0.43	0.23	0.13	0.07
KBUR	**Burbank Airport**	11.54	3.09	1.80	1.29	0.42	0.21	0.11	0.05
KCNO	**Chino Airport.**	11.55	3.27	2.01	1.47	0.54	0.28	0.15	0.06
KCQT	**USC/Downtown L.A.**	4.01	1.54	1.08	0.86	0.37	0.21	0.13	0.06
KFUL	**Fullerton Airport**	7.48	2.10	1.27	0.91	0.30	0.15	0.09	0.04
KHHR	**Hawthorne Airport**	13.15	3.43	2.05	1.46	0.53	0.26	0.13	0.05
KLAX	**Los Angeles Int'l Airport**	17.84	4.86	3.01	2.20	0.81	0.39	0.18	0.07
KLGB	**Long Beach Airport**	9.44	2.75	1.68	1.27	0.52	0.27	0.15	0.07
KONT	**Ontario Airport**	16.09	4.49	2.79	2.08	0.81	0.41	0.20	0.09
KPSP	**Palm Springs Airport**	13.17	4.05	2.48	1.83	0.70	0.35	0.17	0.07
KRAL	**Riverside Airport**	8.38	2.75	1.78	1.36	0.58	0.31	0.17	0.08
KSMO	**Santa Monica Airport**	13.30	3.51	2.13	1.54	0.53	0.25	0.12	0.05
KSNA	**John Wayne Int'l Airport**	13.17	3.73	2.15	1.56	0.53	0.26	0.14	0.06
KTRM	**Desert Hot Springs Airport**	13.12	4.02	2.48	1.84	0.74	0.38	0.21	0.09
KVNY	**Van Nuys Airport**	8.45	2.45	1.43	1.03	0.36	0.19	0.10	0.05

Table 9.4 A – χ/Q for Natural Gas Internal Combustion Engines

250 < Rating (BHP) ≤ 1000 **< 12 (hrs/day)**

Carcinogenic, Chronic and Chronic 8-Hour χ/Q Values ([µg/m³]/[ton/year])

		Downwind Distance (meters)							
Station Abbr.	**Location**	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
AZUS	**Azusa**	3.68	1.73	1.25	0.87	0.26	0.11	0.04	0.01
BNAP	**Banning**	11.81	3.53	2.28	1.55	0.49	0.19	0.07	0.02
CELA	**Central L.A.**	6.24	2.20	1.47	0.99	0.28	0.11	0.04	0.01
ELSI	**Lake Elsinore**	2.65	1.11	0.82	0.59	0.20	0.09	0.03	0.01
FONT	**Fontana**	7.72	2.51	1.71	1.18	0.36	0.15	0.05	0.01
MSVJ	**Mission Viejo**	3.40	1.43	1.02	0.71	0.22	0.09	0.03	0.01
PERI	**Perris**	5.73	1.88	1.25	0.87	0.28	0.12	0.04	0.01
PICO	**Pico Rivera**	7.61	2.51	1.62	1.08	0.31	0.12	0.05	0.01
RDLD	**Redlands**	3.13	1.64	1.21	0.86	0.27	0.11	0.04	0.01
UPLA	**Upland**	6.86	2.49	1.77	1.23	0.38	0.15	0.06	0.02
KBUR	**Burbank Airport**	11.19	3.29	2.11	1.43	0.42	0.17	0.07	0.02
KCNO	**Chino Airport.**	9.49	2.94	1.94	1.35	0.44	0.18	0.07	0.02
KCQT	**USC/Downtown L.A.**	3.16	1.75	1.35	0.98	0.32	0.13	0.05	0.01
KFUL	**Fullerton Airport**	8.54	2.74	1.83	1.26	0.38	0.15	0.05	0.01
KHHR	**Hawthorne Airport**	14.22	4.11	2.69	1.84	0.56	0.21	0.08	0.02
KLAX	**Los Angeles Int'l Airport**	17.73	5.19	3.41	2.37	0.78	0.31	0.11	0.03
KLGB	**Long Beach Airport**	8.99	2.78	1.83	1.26	0.39	0.16	0.06	0.02
KONT	**Ontario Airport**	11.52	3.49	2.33	1.63	0.54	0.22	0.08	0.02
KPSP	**Palm Springs Airport**	4.96	1.69	1.22	0.88	0.29	0.12	0.04	0.01
KRAL	**Riverside Airport**	6.99	2.67	1.92	1.38	0.46	0.19	0.07	0.02
KSMO	**Santa Monica Airport**	16.42	4.59	2.96	2.02	0.62	0.24	0.09	0.02
KSNA	**John Wayne Int'l Airport**	13.61	4.08	2.54	1.73	0.53	0.22	0.08	0.02
KTRM	**Desert Hot Springs Airport**	8.16	2.61	1.77	1.26	0.43	0.18	0.07	0.02
KVNY	**Van Nuys Airport**	8.52	2.69	1.74	1.19	0.37	0.15	0.06	0.01

Table 9.4 B – χ/Q for Natural Gas Internal Combustion Engines

250 < Rating (BHP) ≤ 1000 **> 12 (hrs/day)**

Carcinogenic, Chronic and Chronic 8-Hour χ/Q Values ([µg/m³]/[ton/year])

		Downwind Distance (meters)							
Station Abbr.	**Location**	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
AZUS	**Azusa**	2.12	0.83	0.60	0.43	0.17	0.08	0.06	0.03
BNAP	**Banning**	11.39	3.21	1.96	1.32	0.60	0.33	0.18	0.08
CELA	**Central L.A.**	3.12	1.01	0.71	0.49	0.18	0.08	0.05	0.03
ELSI	**Lake Elsinore**	1.50	0.55	0.40	0.29	0.11	0.05	0.04	0.03
FONT	**Fontana**	5.32	1.55	1.01	0.69	0.27	0.14	0.08	0.05
MSVJ	**Mission Viejo**	1.58	0.62	0.43	0.30	0.10	0.05	0.04	0.03
PERI	**Perris**	3.77	1.17	0.74	0.51	0.19	0.10	0.06	0.03
PICO	**Pico Rivera**	4.45	1.33	0.82	0.56	0.20	0.10	0.06	0.03
RDLD	**Redlands**	1.71	0.77	0.57	0.41	0.16	0.08	0.06	0.05
UPLA	**Upland**	4.12	1.30	0.90	0.64	0.25	0.12	0.08	0.05
KBUR	**Burbank Airport**	6.72	1.89	1.15	0.77	0.26	0.12	0.07	0.03
KCNO	**Chino Airport.**	7.21	2.12	1.34	0.92	0.35	0.17	0.09	0.04
KCQT	**USC/Downtown L.A.**	1.59	0.77	0.60	0.45	0.18	0.09	0.06	0.04
KFUL	**Fullerton Airport**	4.11	1.25	0.81	0.55	0.18	0.08	0.05	0.03
KHHR	**Hawthorne Airport**	7.75	2.16	1.36	0.92	0.34	0.16	0.09	0.04
KLAX	**Los Angeles Int'l Airport**	10.99	3.14	2.00	1.37	0.52	0.25	0.12	0.06
KLGB	**Long Beach Airport**	5.56	1.63	1.00	0.68	0.27	0.13	0.08	0.05
KONT	**Ontario Airport**	9.72	2.80	1.77	1.22	0.48	0.23	0.13	0.06
KPSP	**Palm Springs Airport**	8.48	2.64	1.63	1.11	0.43	0.21	0.11	0.06
KRAL	**Riverside Airport**	4.44	1.57	1.08	0.77	0.32	0.16	0.10	0.06
KSMO	**Santa Monica Airport**	8.03	2.23	1.41	0.96	0.33	0.14	0.07	0.04
KSNA	**John Wayne Int'l Airport**	8.00	2.35	1.40	0.94	0.32	0.14	0.08	0.04
KTRM	**Desert Hot Springs Airport**	7.80	2.50	1.56	1.06	0.42	0.22	0.13	0.07
KVNY	**Van Nuys Airport**	4.92	1.48	0.90	0.61	0.21	0.09	0.05	0.03

Table 9.5 A – χ/Q for Natural Gas Internal Combustion Engines

Rating (BHP) > 1000 **< 12 (hrs/day)**

Carcinogenic, Chronic and Chronic 8-Hour χ/Q Values ([µg/m³]/[ton/year])

		Downwind Distance (meters)							
Station Abbr.	**Location**	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
AZUS	**Azusa**	0.21	0.22	0.23	0.21	0.12	0.07	0.03	0.01
BNAP	**Banning**	3.06	1.06	0.87	0.71	0.28	0.14	0.06	0.02
CELA	**Central L.A.**	0.64	0.34	0.33	0.28	0.13	0.07	0.03	0.01
ELSI	**Lake Elsinore**	0.32	0.20	0.20	0.18	0.10	0.06	0.03	0.01
FONT	**Fontana**	1.29	0.52	0.47	0.40	0.19	0.10	0.04	0.01
MSVJ	**Mission Viejo**	0.24	0.20	0.21	0.19	0.11	0.06	0.03	0.01
PERI	**Perris**	1.40	0.54	0.43	0.35	0.15	0.08	0.03	0.01
PICO	**Pico Rivera**	1.34	0.54	0.47	0.39	0.16	0.09	0.04	0.01
RDLD	**Redlands**	0.23	0.21	0.23	0.22	0.13	0.07	0.03	0.01
UPLA	**Upland**	0.65	0.35	0.36	0.33	0.18	0.10	0.04	0.01
KBUR	**Burbank Airport**	2.23	0.81	0.66	0.54	0.23	0.12	0.05	0.02
KCNO	**Chino Airport.**	2.90	1.01	0.77	0.61	0.25	0.13	0.05	0.01
KCQT	**USC/Downtown L.A.**	0.14	0.20	0.23	0.22	0.13	0.08	0.04	0.01
KFUL	**Fullerton Airport**	1.44	0.59	0.52	0.44	0.19	0.10	0.04	0.01
KHHR	**Hawthorne Airport**	3.55	1.25	1.04	0.84	0.33	0.15	0.06	0.02
KLAX	**Los Angeles Int'l Airport**	4.72	1.66	1.33	1.08	0.44	0.22	0.09	0.03
KLGB	**Long Beach Airport**	1.33	0.54	0.48	0.41	0.20	0.11	0.05	0.01
KONT	**Ontario Airport**	2.85	0.99	0.80	0.66	0.29	0.15	0.06	0.02
KPSP	**Palm Springs Airport**	1.59	0.57	0.43	0.34	0.14	0.08	0.03	0.01
KRAL	**Riverside Airport**	1.12	0.54	0.52	0.47	0.24	0.13	0.06	0.02
KSMO	**Santa Monica Airport**	4.06	1.36	1.10	0.88	0.34	0.16	0.07	0.02
KSNA	**John Wayne Int'l Airport**	3.95	1.36	1.01	0.79	0.30	0.15	0.06	0.02
KTRM	**Desert Hot Springs Airport**	1.68	0.63	0.52	0.44	0.21	0.11	0.05	0.01
KVNY	**Van Nuys Airport**	2.12	0.78	0.61	0.49	0.20	0.11	0.04	0.01

Table 9.5 B – χ/Q for Natural Gas Internal Combustion Engines

Rating (BHP) > 1000 **< 12 (hrs/day)**

Carcinogenic, Chronic and Chronic 8-Hour χ/Q Values ([µg/m³]/[ton/year])

		Downwind Distance (meters)							
Station Abbr.	**Location**	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
AZUS	**Azusa**	0.23	0.10	0.09	0.09	0.05	0.03	0.02	0.01
BNAP	**Banning**	2.49	0.75	0.55	0.42	0.17	0.11	0.07	0.04
CELA	**Central L.A.**	0.26	0.14	0.13	0.12	0.06	0.03	0.02	0.01
ELSI	**Lake Elsinore**	0.15	0.09	0.08	0.07	0.04	0.03	0.01	0.01
FONT	**Fontana**	0.85	0.29	0.25	0.20	0.09	0.05	0.03	0.02
MSVJ	**Mission Viejo**	0.10	0.08	0.08	0.08	0.04	0.03	0.01	0.01
PERI	**Perris**	0.81	0.29	0.22	0.18	0.07	0.04	0.02	0.01
PICO	**Pico Rivera**	0.64	0.24	0.20	0.17	0.07	0.04	0.02	0.01
RDLD	**Redlands**	0.11	0.09	0.10	0.09	0.06	0.04	0.02	0.01
UPLA	**Upland**	0.38	0.17	0.17	0.15	0.08	0.05	0.03	0.02
KBUR	**Burbank Airport**	1.12	0.39	0.30	0.24	0.10	0.06	0.03	0.01
KCNO	**Chino Airport.**	2.04	0.68	0.48	0.36	0.14	0.07	0.04	0.02
KCQT	**USC/Downtown L.A.**	0.08	0.09	0.09	0.09	0.06	0.04	0.02	0.01
KFUL	**Fullerton Airport**	0.58	0.24	0.21	0.17	0.08	0.04	0.02	0.01
KHHR	**Hawthorne Airport**	1.73	0.58	0.47	0.37	0.15	0.08	0.04	0.02
KLAX	**Los Angeles Int'l Airport**	2.62	0.88	0.66	0.52	0.21	0.11	0.05	0.02
KLGB	**Long Beach Airport**	1.25	0.39	0.27	0.20	0.08	0.04	0.02	0.01
KONT	**Ontario Airport**	2.21	0.71	0.51	0.39	0.16	0.08	0.04	0.02
KPSP	**Palm Springs Airport**	2.48	0.83	0.56	0.41	0.15	0.09	0.05	0.02
KRAL	**Riverside Airport**	0.69	0.30	0.27	0.24	0.12	0.07	0.03	0.02
KSMO	**Santa Monica Airport**	1.73	0.56	0.45	0.36	0.14	0.07	0.03	0.01
KSNA	**John Wayne Int'l Airport**	1.88	0.63	0.45	0.35	0.13	0.07	0.03	0.01
KTRM	**Desert Hot Springs Airport**	2.12	0.76	0.51	0.37	0.13	0.08	0.05	0.03
KVNY	**Van Nuys Airport**	1.04	0.37	0.27	0.21	0.09	0.05	0.02	0.01

Table 9.6 – χ/Q for Natural Gas Internal Combustion Engines

All Operating Conditions

Acute Hazard Index
χ/Q Values ([µg/m³]/[lb/hr]))

	Downwind Distance (meters)							
Rating (BHP)	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
50 < Rating (BHP) ≤ 75	528.24	175.46	128.59	103.13	46.87	19.01	6.77	2.67
75 < Rating (BHP) ≤ 150	382.75	120.44	89.95	71.22	31.74	14.51	6.34	2.88
150 < Rating (BHP) ≤ 250	270.73	79.19	56.02	44.86	19.28	9.68	4.54	2.31
250 < Rating (BHP) ≤ 1000	191.90	55.66	39.93	30.37	12.85	6.98	3.48	1.58
Rating (BHP) > 1000	79.34	26.34	19.69	15.17	5.88	3.76	2.09	0.95

Table 10.0 – χ/Q for Diesel Internal Combustion Engines

Equipment Type	Equipment Rating (BHP)	Cancer, Chronic, Chronic 8 Hr χ/Q Tables		Acute χ/Q Table	Source ID
		≤ 12 hr/day	> 12 hr/day		
Diesel Reciprocating Internal Combustion Engines	50 < Rating ≤ 175	Table 10.1 A	Table 10.1 B	Table 10.6	D1
	175 < Rating ≤ 300	Table 10.2 A	Table 10.2 B		D2
	300 < Rating ≤ 400	Table 10.3 A	Table 10.3 B		D3
	400 < Rating ≤ 600	Table 10.4 A	Table 10.4 B		D4
	600 < Rating ≤ 1150	Table 10.5 A	Table 10.5 B		D5

Table 10.1 A – χ/Q for Diesel Internal Combustion Engines

50 < Rating (BHP) ≤ 175 **< 12 (hrs/day)**

Carcinogenic, Chronic and Chronic 8-Hour χ/Q Values ([µg/m³]/[ton/year])

		Downwind Distance (meters)							
Station Abbr.	**Location**	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
AZUS	**Azusa**	16.41	5.87	3.57	2.18	0.43	0.14	0.05	0.01
BNAP	**Banning**	27.27	7.50	4.43	2.78	0.65	0.23	0.08	0.02
CELA	**Central L.A.**	19.74	6.52	3.71	2.20	0.44	0.13	0.04	0.01
ELSI	**Lake Elsinore**	11.19	3.90	2.38	1.47	0.32	0.11	0.04	0.01
FONT	**Fontana**	22.80	6.68	4.01	2.48	0.53	0.18	0.06	0.02
MSVJ	**Mission Viejo**	14.22	4.76	2.84	1.70	0.34	0.12	0.04	0.01
PERI	**Perris**	14.34	4.49	2.70	1.71	0.40	0.15	0.05	0.01
PICO	**Pico Rivera**	21.87	6.65	3.80	2.30	0.46	0.15	0.05	0.01
RDLD	**Redlands**	14.93	5.67	3.48	2.12	0.42	0.14	0.05	0.01
UPLA	**Upland**	23.12	7.26	4.47	2.79	0.58	0.19	0.06	0.02
KBUR	**Burbank Airport**	28.28	7.43	4.32	2.68	0.57	0.21	0.07	0.02
KCNO	**Chino Airport.**	21.41	6.44	3.95	2.51	0.60	0.22	0.07	0.02
KCQT	**USC/Downtown L.A.**	16.25	5.97	3.83	2.41	0.51	0.17	0.06	0.01
KFUL	**Fullerton Airport**	23.65	6.75	4.01	2.50	0.54	0.19	0.06	0.02
KHHR	**Hawthorne Airport**	33.46	8.98	5.34	3.36	0.76	0.26	0.09	0.02
KLAX	**Los Angeles Int'l Airport**	38.90	10.54	6.49	4.23	1.07	0.38	0.13	0.03
KLGB	**Long Beach Airport**	23.01	6.23	3.74	2.38	0.54	0.20	0.07	0.02
KONT	**Ontario Airport**	28.22	7.86	4.87	3.13	0.74	0.27	0.09	0.02
KPSP	**Palm Springs Airport**	15.40	4.56	2.86	1.81	0.41	0.15	0.05	0.01
KRAL	**Riverside Airport**	22.29	7.19	4.55	2.91	0.67	0.24	0.08	0.02
KSMO	**Santa Monica Airport**	36.88	9.87	5.90	3.76	0.87	0.30	0.10	0.02
KSNA	**John Wayne Int'l Airport**	29.99	8.37	4.89	3.10	0.71	0.26	0.09	0.02
KTRM	**Desert Hot Springs Airport**	20.15	6.01	3.77	2.49	0.61	0.23	0.08	0.02
KVNY	**Van Nuys Airport**	21.16	6.06	3.58	2.23	0.50	0.19	0.06	0.01

Table 10.1 B – χ/Q for Diesel Internal Combustion Engines

50 < Rating (BHP) ≤ 175 **> 12 (hrs/day)**

Carcinogenic, Chronic and Chronic 8-Hour χ/Q Values ([µg/m³]/[ton/year])

		Downwind Distance (meters)							
Station Abbr.	**Location**	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
AZUS	**Azusa**	10.78	3.70	2.65	2.01	0.81	0.34	0.14	0.05
BNAP	**Banning**	28.59	8.77	5.82	4.23	1.65	0.74	0.30	0.10
CELA	**Central L.A.**	11.17	3.68	2.57	1.90	0.74	0.29	0.11	0.04
ELSI	**Lake Elsinore**	6.18	2.11	1.39	0.98	0.49	0.28	0.15	0.06
FONT	**Fontana**	16.92	5.16	3.46	2.53	0.97	0.44	0.19	0.07
MSVJ	**Mission Viejo**	8.22	2.60	1.72	1.22	0.47	0.25	0.13	0.05
PERI	**Perris**	10.57	3.45	2.28	1.66	0.67	0.34	0.16	0.06
PICO	**Pico Rivera**	14.82	4.63	2.97	2.13	0.75	0.33	0.14	0.05
RDLD	**Redlands**	8.62	3.12	2.19	1.62	0.69	0.34	0.19	0.08
UPLA	**Upland**	14.72	4.59	3.18	2.34	0.94	0.40	0.19	0.08
KBUR	**Burbank Airport**	18.29	5.18	3.26	2.27	0.75	0.35	0.15	0.05
KCNO	**Chino Airport.**	17.11	5.17	3.40	2.45	0.95	0.46	0.20	0.07
KCQT	**USC/Downtown L.A.**	10.15	3.48	2.64	2.10	0.94	0.43	0.18	0.07
KFUL	**Fullerton Airport**	13.04	3.81	2.48	1.73	0.60	0.28	0.13	0.04
KHHR	**Hawthorne Airport**	20.35	5.76	3.69	2.59	0.91	0.40	0.17	0.06
KLAX	**Los Angeles Int'l Airport**	25.99	7.58	5.02	3.59	1.29	0.57	0.23	0.08
KLGB	**Long Beach Airport**	15.02	4.86	3.34	2.51	1.06	0.50	0.22	0.08
KONT	**Ontario Airport**	24.40	7.38	4.99	3.64	1.38	0.65	0.28	0.10
KPSP	**Palm Springs Airport**	18.97	6.43	4.27	3.12	1.17	0.54	0.23	0.08
KRAL	**Riverside Airport**	15.05	5.09	3.60	2.73	1.17	0.54	0.24	0.09
KSMO	**Santa Monica Airport**	20.51	5.97	3.88	2.76	0.95	0.40	0.16	0.06
KSNA	**John Wayne Int'l Airport**	20.16	6.16	3.90	2.78	0.99	0.46	0.20	0.07
KTRM	**Desert Hot Springs Airport**	20.21	6.65	4.50	3.30	1.31	0.64	0.28	0.10
KVNY	**Van Nuys Airport**	13.60	4.17	2.64	1.90	0.73	0.35	0.16	0.06

Table 10.2 A – χ/Q for Diesel Internal Combustion Engines

175 < Rating (BHP) ≤ 300 **< 12 (hrs/day)**

Carcinogenic, Chronic and Chronic 8-Hour χ/Q Values ([µg/m³]/[ton/year])

		Downwind Distance (meters)							
Station Abbr.	**Location**	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
AZUS	**Azusa**	12.51	4.63	2.99	1.93	0.40	0.13	0.04	0.01
BNAP	**Banning**	23.00	6.47	3.95	2.57	0.63	0.23	0.08	0.02
CELA	**Central L.A.**	15.94	5.56	3.28	2.01	0.41	0.13	0.04	0.01
ELSI	**Lake Elsinore**	8.16	2.95	1.95	1.29	0.30	0.11	0.04	0.01
FONT	**Fontana**	18.26	5.49	3.47	2.25	0.50	0.18	0.06	0.02
MSVJ	**Mission Viejo**	10.62	3.78	2.38	1.52	0.32	0.11	0.04	0.01
PERI	**Perris**	11.61	3.70	2.32	1.53	0.38	0.14	0.05	0.01
PICO	**Pico Rivera**	17.51	5.55	3.32	2.09	0.43	0.15	0.05	0.01
RDLD	**Redlands**	11.11	4.32	2.82	1.82	0.38	0.13	0.05	0.01
UPLA	**Upland**	18.11	5.90	3.83	2.50	0.55	0.18	0.06	0.02
KBUR	**Burbank Airport**	23.52	6.35	3.82	2.46	0.55	0.21	0.07	0.02
KCNO	**Chino Airport.**	18.16	5.45	3.45	2.28	0.58	0.22	0.07	0.02
KCQT	**USC/Downtown L.A.**	11.38	4.57	3.15	2.11	0.48	0.16	0.06	0.01
KFUL	**Fullerton Airport**	19.07	5.69	3.52	2.28	0.52	0.18	0.06	0.02
KHHR	**Hawthorne Airport**	28.18	7.72	4.76	3.10	0.74	0.25	0.08	0.02
KLAX	**Los Angeles Int'l Airport**	33.67	9.18	5.82	3.91	1.03	0.37	0.12	0.03
KLGB	**Long Beach Airport**	18.95	5.29	3.29	2.18	0.51	0.20	0.07	0.02
KONT	**Ontario Airport**	23.49	6.64	4.25	2.85	0.71	0.26	0.09	0.02
KPSP	**Palm Springs Airport**	12.03	3.68	2.43	1.62	0.39	0.14	0.05	0.01
KRAL	**Riverside Airport**	17.33	5.77	3.86	2.59	0.63	0.23	0.08	0.02
KSMO	**Santa Monica Airport**	31.15	8.57	5.28	3.47	0.83	0.29	0.10	0.02
KSNA	**John Wayne Int'l Airport**	25.48	7.30	4.36	2.87	0.69	0.25	0.08	0.02
KTRM	**Desert Hot Springs Airport**	16.64	5.05	3.29	2.25	0.59	0.22	0.08	0.02
KVNY	**Van Nuys Airport**	17.49	5.17	3.16	2.04	0.48	0.18	0.06	0.01

Table 10.2 B – χ/Q for Diesel Internal Combustion Engines

175 < Rating (BHP) ≤ 300 **> 12 (hrs/day)**

Carcinogenic, Chronic and Chronic 8-Hour χ/Q Values ([µg/m³]/[ton/year])

		Downwind Distance (meters)							
Station Abbr.	**Location**	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
AZUS	**Azusa**	7.87	2.66	1.90	1.46	0.61	0.28	0.13	0.05
BNAP	**Banning**	23.57	6.99	4.55	3.35	1.37	0.65	0.28	0.10
CELA	**Central L.A.**	8.49	2.81	1.89	1.37	0.52	0.23	0.10	0.04
ELSI	**Lake Elsinore**	4.59	1.56	1.06	0.77	0.33	0.20	0.12	0.05
FONT	**Fontana**	13.38	3.98	2.64	1.95	0.76	0.36	0.17	0.07
MSVJ	**Mission Viejo**	5.82	1.90	1.24	0.87	0.31	0.18	0.10	0.05
PERI	**Perris**	8.45	2.70	1.76	1.29	0.51	0.26	0.14	0.06
PICO	**Pico Rivera**	11.55	3.56	2.24	1.63	0.58	0.27	0.13	0.05
RDLD	**Redlands**	6.23	2.23	1.57	1.17	0.48	0.25	0.17	0.09
UPLA	**Upland**	11.26	3.48	2.39	1.78	0.69	0.32	0.16	0.08
KBUR	**Burbank Airport**	14.90	4.18	2.59	1.82	0.59	0.29	0.14	0.05
KCNO	**Chino Airport.**	14.28	4.21	2.74	1.99	0.75	0.38	0.18	0.07
KCQT	**USC/Downtown L.A.**	6.56	2.35	1.75	1.38	0.63	0.32	0.16	0.07
KFUL	**Fullerton Airport**	10.14	2.97	1.88	1.32	0.44	0.22	0.11	0.04
KHHR	**Hawthorne Airport**	16.52	4.62	2.92	2.06	0.73	0.34	0.15	0.05
KLAX	**Los Angeles Int'l Airport**	21.87	6.23	4.09	2.95	1.08	0.50	0.21	0.08
KLGB	**Long Beach Airport**	12.12	3.79	2.52	1.90	0.79	0.40	0.19	0.08
KONT	**Ontario Airport**	20.11	5.91	3.95	2.91	1.12	0.54	0.25	0.09
KPSP	**Palm Springs Airport**	16.08	5.33	3.47	2.55	0.96	0.46	0.20	0.08
KRAL	**Riverside Airport**	11.37	3.80	2.64	2.01	0.87	0.43	0.21	0.08
KSMO	**Santa Monica Airport**	16.74	4.82	3.09	2.20	0.75	0.33	0.14	0.05
KSNA	**John Wayne Int'l Airport**	16.58	4.99	3.08	2.21	0.77	0.37	0.17	0.06
KTRM	**Desert Hot Springs Airport**	16.66	5.38	3.56	2.63	1.05	0.52	0.25	0.10
KVNY	**Van Nuys Airport**	10.94	3.32	2.06	1.47	0.55	0.28	0.13	0.05

Table 10.3 A – χ/Q for Diesel Internal Combustion Engines

300 < Rating (BHP) ≤ 400 **< 12 (hrs/day)**

Carcinogenic, Chronic and Chronic 8-Hour χ/Q Values ([µg/m³]/[ton/year])

		Downwind Distance (meters)							
Station Abbr.	**Location**	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
AZUS	**Azusa**	7.52	3.35	2.18	1.51	0.36	0.12	0.04	0.01
BNAP	**Banning**	16.85	5.16	3.14	2.18	0.59	0.21	0.07	0.02
CELA	**Central L.A.**	10.49	4.09	2.47	1.63	0.37	0.11	0.04	0.01
ELSI	**Lake Elsinore**	4.89	1.93	1.30	0.93	0.25	0.09	0.03	0.01
FONT	**Fontana**	12.44	4.14	2.61	1.82	0.45	0.16	0.06	0.01
MSVJ	**Mission Viejo**	6.75	2.66	1.69	1.14	0.27	0.10	0.04	0.01
PERI	**Perris**	8.37	2.84	1.77	1.24	0.34	0.13	0.05	0.01
PICO	**Pico Rivera**	12.37	4.31	2.56	1.70	0.38	0.13	0.05	0.01
RDLD	**Redlands**	6.69	3.14	2.08	1.46	0.35	0.12	0.04	0.01
UPLA	**Upland**	12.13	4.46	2.89	2.03	0.49	0.16	0.06	0.02
KBUR	**Burbank Airport**	16.56	4.93	2.96	2.03	0.50	0.19	0.07	0.02
KCNO	**Chino Airport.**	13.35	4.24	2.67	1.89	0.53	0.20	0.07	0.02
KCQT	**USC/Downtown L.A.**	6.74	3.14	2.19	1.61	0.42	0.15	0.05	0.01
KFUL	**Fullerton Airport**	13.26	4.34	2.69	1.87	0.47	0.17	0.06	0.02
KHHR	**Hawthorne Airport**	20.29	6.11	3.78	2.62	0.68	0.24	0.08	0.02
KLAX	**Los Angeles Int'l Airport**	24.46	7.34	4.61	3.29	0.95	0.35	0.12	0.03
KLGB	**Long Beach Airport**	13.34	4.09	2.53	1.79	0.47	0.18	0.07	0.02
KONT	**Ontario Airport**	16.73	5.14	3.26	2.33	0.65	0.25	0.08	0.02
KPSP	**Palm Springs Airport**	8.06	2.69	1.78	1.29	0.35	0.13	0.05	0.01
KRAL	**Riverside Airport**	11.58	4.27	2.84	2.08	0.58	0.21	0.07	0.02
KSMO	**Santa Monica Airport**	22.99	6.88	4.21	2.93	0.77	0.27	0.09	0.02
KSNA	**John Wayne Int'l Airport**	18.86	5.84	3.47	2.40	0.63	0.24	0.08	0.02
KTRM	**Desert Hot Springs Airport**	11.91	3.89	2.49	1.83	0.53	0.20	0.07	0.02
KVNY	**Van Nuys Airport**	12.43	3.98	2.43	1.68	0.44	0.17	0.06	0.01

Table 10.3 B – χ/Q for Diesel Internal Combustion Engines

300 < Rating (BHP) ≤ 400 **> 12 (hrs/day)**

Carcinogenic, Chronic and Chronic 8-Hour χ/Q Values ([µg/m³]/[ton/year])

		Downwind Distance (meters)							
Station Abbr.	**Location**	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
AZUS	**Azusa**	4.62	1.77	1.17	0.89	0.33	0.16	0.09	0.04
BNAP	**Banning**	17.15	5.26	3.13	2.31	1.01	0.51	0.24	0.10
CELA	**Central L.A.**	5.53	1.98	1.27	0.93	0.31	0.14	0.07	0.04
ELSI	**Lake Elsinore**	2.79	1.02	0.66	0.50	0.17	0.09	0.07	0.04
FONT	**Fontana**	8.94	2.82	1.72	1.27	0.47	0.23	0.12	0.06
MSVJ	**Mission Viejo**	3.38	1.24	0.77	0.54	0.16	0.09	0.07	0.04
PERI	**Perris**	5.82	1.94	1.17	0.86	0.31	0.16	0.09	0.05
PICO	**Pico Rivera**	7.74	2.54	1.45	1.04	0.35	0.17	0.09	0.04
RDLD	**Redlands**	3.73	1.54	1.02	0.77	0.28	0.14	0.11	0.07
UPLA	**Upland**	7.48	2.50	1.60	1.21	0.44	0.21	0.11	0.06
KBUR	**Burbank Airport**	10.43	3.11	1.80	1.28	0.41	0.19	0.10	0.04
KCNO	**Chino Airport.**	10.44	3.24	1.99	1.45	0.54	0.26	0.13	0.06
KCQT	**USC/Downtown L.A.**	3.74	1.52	1.06	0.84	0.34	0.17	0.11	0.06
KFUL	**Fullerton Airport**	6.77	2.13	1.28	0.92	0.29	0.13	0.08	0.03
KHHR	**Hawthorne Airport**	11.71	3.49	2.09	1.50	0.53	0.25	0.12	0.05
KLAX	**Los Angeles Int'l Airport**	15.80	4.78	2.95	2.17	0.81	0.37	0.17	0.07
KLGB	**Long Beach Airport**	8.57	2.74	1.66	1.24	0.50	0.25	0.14	0.07
KONT	**Ontario Airport**	14.44	4.45	2.75	2.05	0.80	0.38	0.19	0.08
KPSP	**Palm Springs Airport**	12.02	4.12	2.50	1.84	0.70	0.33	0.16	0.07
KRAL	**Riverside Airport**	7.61	2.70	1.75	1.34	0.55	0.28	0.15	0.07
KSMO	**Santa Monica Airport**	11.98	3.65	2.21	1.60	0.53	0.23	0.11	0.05
KSNA	**John Wayne Int'l Airport**	11.96	3.77	2.16	1.55	0.52	0.24	0.12	0.05
KTRM	**Desert Hot Springs Airport**	12.00	4.06	2.47	1.82	0.72	0.36	0.19	0.08
KVNY	**Van Nuys Airport**	7.70	2.45	1.42	1.02	0.35	0.17	0.09	0.04

Table 10.4 A – χ/Q for Diesel Internal Combustion Engines

400 < Rating (BHP) ≤ 600 **< 12 (hrs/day)**

Carcinogenic, Chronic and Chronic 8-Hour χ/Q Values ([µg/m³]/[ton/year])

		Downwind Distance (meters)							
Station Abbr.	**Location**	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
AZUS	**Azusa**	4.36	2.09	1.47	1.02	0.29	0.10	0.04	0.01
BNAP	**Banning**	12.99	4.14	2.65	1.80	0.54	0.20	0.07	0.02
CELA	**Central L.A.**	7.39	3.07	1.98	1.30	0.33	0.10	0.03	0.01
ELSI	**Lake Elsinore**	3.07	1.24	0.89	0.64	0.21	0.08	0.03	0.01
FONT	**Fontana**	8.67	2.99	1.99	1.37	0.40	0.15	0.05	0.01
MSVJ	**Mission Viejo**	4.07	1.69	1.15	0.78	0.22	0.09	0.03	0.01
PERI	**Perris**	6.25	2.19	1.42	0.98	0.30	0.12	0.04	0.01
PICO	**Pico Rivera**	8.67	3.16	1.97	1.29	0.33	0.12	0.04	0.01
RDLD	**Redlands**	3.76	1.92	1.38	0.97	0.28	0.11	0.04	0.01
UPLA	**Upland**	7.92	3.12	2.16	1.50	0.42	0.15	0.05	0.01
KBUR	**Burbank Airport**	12.55	3.93	2.46	1.65	0.45	0.18	0.07	0.02
KCNO	**Chino Airport.**	10.43	3.42	2.22	1.54	0.48	0.19	0.07	0.02
KCQT	**USC/Downtown L.A.**	4.20	2.14	1.61	1.17	0.36	0.13	0.05	0.01
KFUL	**Fullerton Airport**	9.66	3.35	2.19	1.49	0.42	0.15	0.05	0.01
KHHR	**Hawthorne Airport**	15.71	4.94	3.21	2.19	0.63	0.22	0.08	0.02
KLAX	**Los Angeles Int'l Airport**	19.21	6.00	3.91	2.73	0.88	0.33	0.11	0.03
KLGB	**Long Beach Airport**	10.06	3.25	2.10	1.44	0.42	0.17	0.06	0.02
KONT	**Ontario Airport**	12.75	4.07	2.68	1.87	0.59	0.23	0.08	0.02
KPSP	**Palm Springs Airport**	5.76	2.00	1.41	1.00	0.31	0.12	0.04	0.01
KRAL	**Riverside Airport**	8.20	3.16	2.24	1.60	0.51	0.20	0.07	0.02
KSMO	**Santa Monica Airport**	17.89	5.65	3.60	2.44	0.71	0.25	0.09	0.02
KSNA	**John Wayne Int'l Airport**	14.84	4.78	2.94	1.99	0.58	0.22	0.08	0.02
KTRM	**Desert Hot Springs Airport**	9.07	3.07	2.03	1.45	0.48	0.19	0.07	0.02
KVNY	**Van Nuys Airport**	9.46	3.16	2.00	1.35	0.40	0.16	0.06	0.01

Table 10.4 B – χ/Q for Diesel Internal Combustion Engines

400 < Rating (BHP) ≤ 600 **> 12 (hrs/day)**

Carcinogenic, Chronic and Chronic 8-Hour χ/Q Values ([µg/m³]/[ton/year])

		Downwind Distance (meters)							
Station Abbr.	**Location**	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
AZUS	**Azusa**	2.66	1.09	0.77	0.55	0.21	0.10	0.06	0.04
BNAP	**Banning**	12.86	3.97	2.41	1.63	0.75	0.39	0.20	0.08
CELA	**Central L.A.**	3.83	1.47	0.99	0.68	0.23	0.09	0.05	0.03
ELSI	**Lake Elsinore**	1.80	0.67	0.46	0.33	0.13	0.06	0.04	0.03
FONT	**Fontana**	6.19	2.00	1.28	0.88	0.34	0.16	0.09	0.05
MSVJ	**Mission Viejo**	1.98	0.77	0.51	0.35	0.12	0.05	0.04	0.03
PERI	**Perris**	4.28	1.46	0.91	0.62	0.23	0.11	0.06	0.04
PICO	**Pico Rivera**	5.33	1.81	1.09	0.73	0.26	0.11	0.06	0.03
RDLD	**Redlands**	2.14	0.95	0.68	0.49	0.18	0.09	0.06	0.05
UPLA	**Upland**	4.85	1.71	1.16	0.82	0.31	0.14	0.08	0.05
KBUR	**Burbank Airport**	7.76	2.38	1.42	0.94	0.30	0.14	0.07	0.04
KCNO	**Chino Airport.**	8.05	2.56	1.60	1.10	0.42	0.20	0.10	0.05
KCQT	**USC/Downtown L.A.**	2.23	0.99	0.75	0.56	0.22	0.10	0.07	0.05
KFUL	**Fullerton Airport**	4.77	1.58	1.00	0.68	0.22	0.09	0.05	0.03
KHHR	**Hawthorne Airport**	8.83	2.70	1.68	1.14	0.41	0.19	0.09	0.04
KLAX	**Los Angeles Int'l Airport**	12.21	3.77	2.38	1.64	0.63	0.29	0.14	0.06
KLGB	**Long Beach Airport**	6.35	2.06	1.26	0.85	0.35	0.17	0.09	0.05
KONT	**Ontario Airport**	10.96	3.44	2.16	1.48	0.59	0.28	0.14	0.07
KPSP	**Palm Springs Airport**	9.48	3.31	2.02	1.38	0.53	0.25	0.12	0.06
KRAL	**Riverside Airport**	5.33	1.94	1.31	0.94	0.39	0.19	0.11	0.06
KSMO	**Santa Monica Airport**	8.99	2.85	1.78	1.21	0.41	0.16	0.08	0.04
KSNA	**John Wayne Int'l Airport**	9.06	2.93	1.72	1.14	0.39	0.17	0.09	0.04
KTRM	**Desert Hot Springs Airport**	8.95	3.13	1.93	1.31	0.53	0.26	0.14	0.07
KVNY	**Van Nuys Airport**	5.68	1.85	1.10	0.74	0.25	0.11	0.06	0.03

Table 10.5 A – χ/Q for Diesel Internal Combustion Engines

600 < Rating (BHP) ≤ 1150 **< 12 (hrs/day)**

Carcinogenic, Chronic and Chronic 8-Hour χ/Q Values ([µg/m³]/[ton/year])

		Downwind Distance (meters)							
Station Abbr.	**Location**	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
AZUS	**Azusa**	0.69	0.41	0.37	0.31	0.15	0.08	0.03	0.01
BNAP	**Banning**	5.23	1.79	1.34	1.03	0.37	0.16	0.06	0.02
CELA	**Central L.A.**	1.98	0.82	0.67	0.51	0.18	0.08	0.03	0.01
ELSI	**Lake Elsinore**	0.77	0.39	0.33	0.28	0.12	0.06	0.03	0.01
FONT	**Fontana**	2.78	1.01	0.81	0.64	0.25	0.11	0.05	0.01
MSVJ	**Mission Viejo**	0.78	0.41	0.36	0.30	0.13	0.07	0.03	0.01
PERI	**Perris**	2.42	0.91	0.68	0.52	0.20	0.09	0.04	0.01
PICO	**Pico Rivera**	2.83	1.07	0.80	0.60	0.20	0.09	0.04	0.01
RDLD	**Redlands**	0.65	0.40	0.38	0.32	0.15	0.08	0.04	0.01
UPLA	**Upland**	1.95	0.81	0.70	0.57	0.23	0.11	0.05	0.01
KBUR	**Burbank Airport**	4.61	1.56	1.13	0.86	0.30	0.14	0.06	0.02
KCNO	**Chino Airport.**	4.53	1.57	1.12	0.86	0.32	0.15	0.06	0.02
KCQT	**USC/Downtown L.A.**	0.41	0.35	0.34	0.30	0.16	0.09	0.04	0.01
KFUL	**Fullerton Airport**	3.29	1.23	0.95	0.73	0.26	0.12	0.05	0.01
KHHR	**Hawthorne Airport**	6.20	2.12	1.62	1.24	0.43	0.18	0.07	0.02
KLAX	**Los Angeles Int'l Airport**	8.04	2.71	2.02	1.56	0.59	0.26	0.10	0.03
KLGB	**Long Beach Airport**	3.35	1.23	0.93	0.72	0.27	0.13	0.05	0.01
KONT	**Ontario Airport**	4.86	1.66	1.24	0.97	0.38	0.18	0.07	0.02
KPSP	**Palm Springs Airport**	2.35	0.86	0.61	0.46	0.19	0.09	0.04	0.01
KRAL	**Riverside Airport**	2.38	1.02	0.87	0.73	0.31	0.15	0.06	0.02
KSMO	**Santa Monica Airport**	7.32	2.43	1.79	1.35	0.46	0.19	0.08	0.02
KSNA	**John Wayne Int'l Airport**	6.44	2.22	1.53	1.14	0.39	0.18	0.07	0.02
KTRM	**Desert Hot Springs Airport**	3.17	1.17	0.88	0.70	0.29	0.14	0.06	0.02
KVNY	**Van Nuys Airport**	3.67	1.31	0.95	0.72	0.26	0.12	0.05	0.01

Table 10.5 B – χ/Q for Diesel Internal Combustion Engines

600 < Rating (BHP) ≤ 1150 **> 12 (hrs/day)**

Carcinogenic, Chronic and Chronic 8-Hour χ/Q Values ([µg/m³]/[ton/year])

		Downwind Distance (meters)							
Station Abbr.	**Location**	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
AZUS	**Azusa**	0.55	0.21	0.16	0.14	0.07	0.04	0.02	0.02
BNAP	**Banning**	4.80	1.47	0.98	0.72	0.31	0.19	0.11	0.06
CELA	**Central L.A.**	0.89	0.35	0.29	0.23	0.09	0.04	0.02	0.02
ELSI	**Lake Elsinore**	0.39	0.18	0.15	0.12	0.06	0.03	0.02	0.01
FONT	**Fontana**	1.85	0.62	0.46	0.35	0.14	0.08	0.04	0.03
MSVJ	**Mission Viejo**	0.31	0.17	0.14	0.12	0.05	0.03	0.02	0.01
PERI	**Perris**	1.46	0.53	0.37	0.28	0.11	0.05	0.03	0.02
PICO	**Pico Rivera**	1.48	0.52	0.38	0.29	0.10	0.05	0.03	0.02
RDLD	**Redlands**	0.35	0.19	0.18	0.15	0.07	0.04	0.03	0.02
UPLA	**Upland**	1.14	0.42	0.35	0.29	0.12	0.07	0.04	0.02
KBUR	**Burbank Airport**	2.48	0.81	0.56	0.42	0.15	0.07	0.04	0.02
KCNO	**Chino Airport.**	3.30	1.10	0.74	0.54	0.21	0.11	0.05	0.03
KCQT	**USC/Downtown L.A.**	0.19	0.15	0.14	0.13	0.07	0.04	0.03	0.02
KFUL	**Fullerton Airport**	1.44	0.52	0.39	0.30	0.11	0.05	0.02	0.01
KHHR	**Hawthorne Airport**	3.19	1.04	0.76	0.58	0.22	0.11	0.05	0.02
KLAX	**Los Angeles Int'l Airport**	4.73	1.53	1.08	0.81	0.32	0.16	0.08	0.04
KLGB	**Long Beach Airport**	2.20	0.73	0.48	0.34	0.13	0.07	0.04	0.02
KONT	**Ontario Airport**	3.93	1.28	0.87	0.64	0.25	0.13	0.07	0.04
KPSP	**Palm Springs Airport**	3.97	1.40	0.91	0.64	0.24	0.13	0.07	0.03
KRAL	**Riverside Airport**	1.53	0.60	0.48	0.39	0.17	0.09	0.05	0.03
KSMO	**Santa Monica Airport**	3.26	1.07	0.77	0.58	0.21	0.09	0.04	0.02
KSNA	**John Wayne Int'l Airport**	3.31	1.13	0.74	0.54	0.18	0.09	0.04	0.02
KTRM	**Desert Hot Springs Airport**	3.36	1.26	0.82	0.58	0.23	0.13	0.07	0.04
KVNY	**Van Nuys Airport**	1.87	0.65	0.45	0.33	0.12	0.06	0.03	0.01

Table 10.6 – χ/Q for Diesel Internal Combustion Engines

All Operating Conditions

Acute Hazard Index
χ/Q Values ([µg/m³]/[lb/hr]))

	Downwind Distance (meters)							
Rating (BHP)	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
50 < Rating ≤ 175	361.32	121.96	90.85	73.66	33.20	14.52	6.12	2.86
175 < Rating ≤ 300	309.73	100.99	73.33	60.55	25.94	12.36	5.45	2.67
300 < Rating ≤ 400	238.41	80.18	54.79	44.34	19.52	9.85	4.54	2.07
400 < Rating ≤ 600	198.38	67.23	46.82	35.85	15.74	8.37	3.94	1.75
600 < Rating ≤ 1150	107.85	35.73	26.27	20.43	8.51	5.36	2.83	1.25

Table 11.0 – χ/Q for Crematoriums

Equipment Type	Building Area (ft^2)	Cancer, Chronic, Chronic 8 Hr χ/Q Tables		Acute χ/Q Table	Source ID
		≤ 12 hr/day	> 12 hr/day		
Crematoriums	5,000 < Area ≤ 10,000	Table 11.1 A	Table 11.1 B	Table 11.4	P1
	10,000 < Area ≤ 15,000	Table 11.2 A	Table 11.2 B		P2
	Area > 15,000	Table 11.3 A	Table 11.3 B		P3

Table 11.1 A – χ/Q for Crematoriums

5,000 < Building Area (ft²) ≤ 10,000 **< 12 (hrs/day)**

Carcinogenic, Chronic and Chronic 8-Hour χ/Q Values ([µg/m³]/[ton/year])

		Downwind Distance (meters)							
Station Abbr.	**Location**	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
AZUS	**Azusa**	5.19	2.52	1.65	1.11	0.28	0.11	0.04	0.01
BNAP	**Banning**	16.83	4.62	2.67	1.75	0.48	0.19	0.07	0.02
CELA	**Central L.A.**	8.00	2.76	1.70	1.10	0.28	0.11	0.04	0.01
ELSI	**Lake Elsinore**	3.29	1.56	1.09	0.77	0.22	0.09	0.03	0.01
FONT	**Fontana**	10.51	3.28	2.09	1.40	0.38	0.15	0.06	0.01
MSVJ	**Mission Viejo**	4.09	2.01	1.35	0.91	0.24	0.10	0.04	0.01
PERI	**Perris**	7.50	2.28	1.47	1.02	0.30	0.12	0.05	0.01
PICO	**Pico Rivera**	9.36	3.09	1.93	1.28	0.33	0.13	0.05	0.01
RDLD	**Redlands**	4.85	2.51	1.65	1.10	0.28	0.12	0.04	0.01
UPLA	**Upland**	9.11	3.33	2.17	1.47	0.39	0.16	0.06	0.02
KBUR	**Burbank Airport**	11.72	3.97	2.44	1.65	0.45	0.19	0.07	0.02
KCNO	**Chino Airport.**	13.44	3.80	2.31	1.56	0.45	0.19	0.07	0.02
KCQT	**USC/Downtown L.A.**	4.20	2.50	1.74	1.23	0.33	0.13	0.05	0.01
KFUL	**Fullerton Airport**	10.90	3.23	2.10	1.44	0.41	0.16	0.06	0.02
KHHR	**Hawthorne Airport**	20.21	5.26	3.11	2.05	0.54	0.21	0.08	0.02
KLAX	**Los Angeles Int'l Airport**	23.17	6.76	4.09	2.76	0.78	0.31	0.11	0.03
KLGB	**Long Beach Airport**	10.44	3.26	2.09	1.46	0.42	0.17	0.06	0.02
KONT	**Ontario Airport**	16.09	4.48	2.79	1.90	0.55	0.23	0.08	0.02
KPSP	**Palm Springs Airport**	6.54	2.21	1.48	1.03	0.30	0.12	0.04	0.01
KRAL	**Riverside Airport**	9.82	3.77	2.42	1.67	0.46	0.19	0.07	0.02
KSMO	**Santa Monica Airport**	21.67	5.38	3.30	2.24	0.63	0.25	0.09	0.02
KSNA	**John Wayne Int'l Airport**	19.13	4.92	2.94	1.99	0.57	0.23	0.08	0.02
KTRM	**Desert Hot Springs Airport**	10.73	3.11	2.05	1.48	0.46	0.19	0.07	0.02
KVNY	**Van Nuys Airport**	11.52	3.27	2.03	1.37	0.39	0.16	0.06	0.01

Table 11.1 B – χ/Q for Crematoriums

5,000 < Building Area (ft²) ≤ 10,000 **> 12 (hrs/day)**

Carcinogenic, Chronic and Chronic 8-Hour χ/Q Values ([µg/m³]/[ton/year])

		Downwind Distance (meters)							
Station Abbr.	**Location**	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
AZUS	**Azusa**	2.76	1.15	0.78	0.56	0.21	0.11	0.08	0.04
BNAP	**Banning**	14.53	4.27	2.40	1.63	0.68	0.37	0.21	0.09
CELA	**Central L.A.**	3.89	1.25	0.81	0.56	0.20	0.11	0.07	0.04
ELSI	**Lake Elsinore**	1.74	0.71	0.50	0.36	0.13	0.07	0.06	0.04
FONT	**Fontana**	6.91	1.89	1.18	0.82	0.31	0.17	0.11	0.05
MSVJ	**Mission Viejo**	1.75	0.82	0.56	0.39	0.12	0.07	0.06	0.03
PERI	**Perris**	4.61	1.28	0.81	0.57	0.22	0.12	0.08	0.04
PICO	**Pico Rivera**	5.02	1.47	0.91	0.63	0.23	0.13	0.08	0.04
RDLD	**Redlands**	2.48	1.15	0.76	0.53	0.19	0.11	0.09	0.07
UPLA	**Upland**	5.32	1.67	1.09	0.77	0.29	0.15	0.10	0.06
KBUR	**Burbank Airport**	6.81	2.04	1.24	0.85	0.29	0.15	0.09	0.04
KCNO	**Chino Airport.**	9.83	2.66	1.59	1.08	0.38	0.19	0.11	0.05
KCQT	**USC/Downtown L.A.**	2.01	1.09	0.78	0.58	0.22	0.12	0.09	0.05
KFUL	**Fullerton Airport**	4.83	1.38	0.89	0.62	0.21	0.11	0.07	0.03
KHHR	**Hawthorne Airport**	10.64	2.73	1.59	1.06	0.36	0.19	0.10	0.05
KLAX	**Los Angeles Int'l Airport**	13.91	4.09	2.44	1.67	0.57	0.27	0.15	0.06
KLGB	**Long Beach Airport**	7.01	1.84	1.11	0.78	0.32	0.17	0.11	0.06
KONT	**Ontario Airport**	12.91	3.47	2.09	1.44	0.54	0.27	0.16	0.07
KPSP	**Palm Springs Airport**	10.81	2.92	1.76	1.22	0.47	0.24	0.14	0.06
KRAL	**Riverside Airport**	6.02	2.22	1.39	0.98	0.36	0.19	0.13	0.07
KSMO	**Santa Monica Airport**	10.09	2.49	1.52	1.06	0.36	0.17	0.09	0.04
KSNA	**John Wayne Int'l Airport**	10.31	2.61	1.53	1.04	0.37	0.18	0.11	0.05
KTRM	**Desert Hot Springs Airport**	9.94	2.80	1.73	1.21	0.49	0.26	0.16	0.08
KVNY	**Van Nuys Airport**	6.12	1.65	0.99	0.68	0.23	0.12	0.07	0.04

Table 11.2 A – χ/Q for Crematoriums

10,000 < Building Area (ft²) ≤ 15,000 **< 12 (hrs/day)**

Carcinogenic, Chronic and Chronic 8-Hour χ/Q Values ([µg/m³]/[ton/year])

		Downwind Distance (meters)							
Station Abbr.	**Location**	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
AZUS	**Azusa**	7.34	2.79	1.81	1.21	0.31	0.11	0.04	0.01
BNAP	**Banning**	19.94	4.86	2.82	1.84	0.51	0.20	0.07	0.02
CELA	**Central L.A.**	10.43	3.01	1.86	1.20	0.30	0.11	0.04	0.01
ELSI	**Lake Elsinore**	4.53	1.73	1.18	0.82	0.23	0.09	0.03	0.01
FONT	**Fontana**	12.50	3.61	2.26	1.51	0.40	0.16	0.06	0.01
MSVJ	**Mission Viejo**	6.07	2.22	1.48	0.99	0.25	0.10	0.04	0.01
PERI	**Perris**	8.30	2.50	1.58	1.08	0.31	0.13	0.05	0.01
PICO	**Pico Rivera**	11.92	3.44	2.11	1.39	0.35	0.13	0.05	0.01
RDLD	**Redlands**	7.22	2.74	1.80	1.21	0.31	0.12	0.04	0.01
UPLA	**Upland**	12.04	3.67	2.36	1.60	0.42	0.16	0.06	0.02
KBUR	**Burbank Airport**	16.96	4.32	2.64	1.77	0.49	0.19	0.07	0.02
KCNO	**Chino Airport.**	14.75	4.04	2.44	1.63	0.47	0.19	0.07	0.02
KCQT	**USC/Downtown L.A.**	7.22	2.82	1.93	1.35	0.37	0.14	0.05	0.01
KFUL	**Fullerton Airport**	12.79	3.64	2.31	1.57	0.43	0.16	0.06	0.02
KHHR	**Hawthorne Airport**	22.42	5.47	3.26	2.15	0.58	0.22	0.08	0.02
KLAX	**Los Angeles Int'l Airport**	26.64	6.87	4.16	2.82	0.82	0.32	0.11	0.03
KLGB	**Long Beach Airport**	13.42	3.59	2.24	1.55	0.45	0.18	0.06	0.02
KONT	**Ontario Airport**	17.19	4.83	2.96	2.01	0.58	0.23	0.08	0.02
KPSP	**Palm Springs Airport**	8.14	2.49	1.62	1.12	0.32	0.13	0.04	0.01
KRAL	**Riverside Airport**	14.72	4.09	2.60	1.79	0.51	0.20	0.07	0.02
KSMO	**Santa Monica Airport**	22.24	5.82	3.53	2.37	0.66	0.25	0.09	0.02
KSNA	**John Wayne Int'l Airport**	19.67	5.33	3.16	2.10	0.59	0.24	0.08	0.02
KTRM	**Desert Hot Springs Airport**	11.49	3.51	2.24	1.58	0.48	0.19	0.07	0.02
KVNY	**Van Nuys Airport**	12.48	3.59	2.20	1.48	0.41	0.16	0.06	0.01

Table 11.2 B – χ/Q for Crematoriums

10,000 < Building Area (ft²) ≤ 15,000 **> 12 (hrs/day)**

Carcinogenic, Chronic and Chronic 8-Hour χ/Q Values ([µg/m³]/[ton/year])

		Downwind Distance (meters)							
Station Abbr.	**Location**	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
AZUS	**Azusa**	4.45	1.46	0.95	0.67	0.24	0.12	0.08	0.04
BNAP	**Banning**	20.31	5.25	2.99	1.99	0.77	0.39	0.21	0.09
CELA	**Central L.A.**	5.60	1.49	0.94	0.65	0.22	0.11	0.07	0.04
ELSI	**Lake Elsinore**	2.60	0.90	0.59	0.42	0.14	0.07	0.06	0.04
FONT	**Fontana**	8.86	2.48	1.49	1.02	0.36	0.18	0.11	0.05
MSVJ	**Mission Viejo**	2.88	0.99	0.65	0.44	0.14	0.07	0.06	0.03
PERI	**Perris**	5.50	1.63	0.99	0.69	0.25	0.12	0.08	0.04
PICO	**Pico Rivera**	7.17	1.96	1.16	0.78	0.27	0.13	0.08	0.04
RDLD	**Redlands**	4.32	1.39	0.90	0.62	0.22	0.11	0.09	0.07
UPLA	**Upland**	7.50	2.12	1.32	0.92	0.33	0.16	0.10	0.06
KBUR	**Burbank Airport**	10.27	2.55	1.50	1.01	0.34	0.16	0.09	0.04
KCNO	**Chino Airport.**	11.48	3.09	1.83	1.25	0.43	0.20	0.11	0.05
KCQT	**USC/Downtown L.A.**	4.25	1.41	0.96	0.69	0.27	0.13	0.09	0.05
KFUL	**Fullerton Airport**	6.30	1.74	1.08	0.74	0.24	0.11	0.07	0.03
KHHR	**Hawthorne Airport**	13.24	3.27	1.88	1.23	0.41	0.20	0.10	0.05
KLAX	**Los Angeles Int'l Airport**	17.19	4.62	2.77	1.89	0.64	0.29	0.15	0.06
KLGB	**Long Beach Airport**	8.19	2.51	1.51	1.04	0.39	0.18	0.11	0.06
KONT	**Ontario Airport**	14.46	4.24	2.56	1.77	0.63	0.29	0.16	0.07
KPSP	**Palm Springs Airport**	11.68	3.62	2.18	1.50	0.54	0.25	0.14	0.06
KRAL	**Riverside Airport**	10.24	2.72	1.68	1.17	0.44	0.22	0.13	0.07
KSMO	**Santa Monica Airport**	11.40	3.09	1.85	1.26	0.41	0.18	0.09	0.04
KSNA	**John Wayne Int'l Airport**	12.04	3.38	1.95	1.30	0.43	0.19	0.11	0.05
KTRM	**Desert Hot Springs Airport**	11.48	3.51	2.14	1.49	0.56	0.27	0.16	0.08
KVNY	**Van Nuys Airport**	7.57	2.18	1.27	0.85	0.28	0.12	0.07	0.04

Table 11.3 A – χ/Q for Crematoriums

Building Area (ft²) ≥ 15,000 **< 12 (hrs/day)**

Carcinogenic, Chronic and Chronic 8-Hour χ/Q Values ([µg/m³]/[ton/year])

		Downwind Distance (meters)							
Station Abbr.	**Location**	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
AZUS	**Azusa**	8.67	3.00	1.90	1.27	0.31	0.12	0.04	0.01
BNAP	**Banning**	19.23	4.94	2.87	1.88	0.52	0.20	0.07	0.02
CELA	**Central L.A.**	11.56	3.23	1.96	1.27	0.31	0.11	0.04	0.01
ELSI	**Lake Elsinore**	5.14	1.82	1.22	0.84	0.23	0.09	0.03	0.01
FONT	**Fontana**	13.06	3.80	2.34	1.56	0.41	0.16	0.06	0.01
MSVJ	**Mission Viejo**	7.37	2.36	1.54	1.03	0.26	0.10	0.04	0.01
PERI	**Perris**	8.53	2.58	1.62	1.11	0.32	0.13	0.05	0.01
PICO	**Pico Rivera**	12.97	3.63	2.20	1.44	0.36	0.14	0.05	0.01
RDLD	**Redlands**	8.51	2.95	1.88	1.26	0.32	0.12	0.04	0.01
UPLA	**Upland**	13.29	3.96	2.47	1.66	0.43	0.16	0.06	0.02
KBUR	**Burbank Airport**	17.29	4.64	2.74	1.84	0.50	0.19	0.07	0.02
KCNO	**Chino Airport.**	14.78	4.19	2.51	1.68	0.48	0.19	0.07	0.02
KCQT	**USC/Downtown L.A.**	8.71	3.13	2.06	1.43	0.38	0.14	0.05	0.01
KFUL	**Fullerton Airport**	13.56	3.85	2.41	1.63	0.44	0.17	0.06	0.02
KHHR	**Hawthorne Airport**	21.59	5.56	3.31	2.19	0.59	0.22	0.08	0.02
KLAX	**Los Angeles Int'l Airport**	24.86	6.91	4.18	2.84	0.83	0.32	0.11	0.03
KLGB	**Long Beach Airport**	13.82	3.82	2.34	1.60	0.46	0.18	0.06	0.02
KONT	**Ontario Airport**	17.30	5.06	3.05	2.07	0.59	0.23	0.08	0.02
KPSP	**Palm Springs Airport**	9.02	2.70	1.71	1.17	0.32	0.13	0.04	0.01
KRAL	**Riverside Airport**	15.20	4.34	2.72	1.86	0.52	0.20	0.07	0.02
KSMO	**Santa Monica Airport**	21.60	5.95	3.60	2.42	0.66	0.25	0.09	0.02
KSNA	**John Wayne Int'l Airport**	19.38	5.47	3.24	2.16	0.60	0.24	0.08	0.02
KTRM	**Desert Hot Springs Airport**	11.69	3.66	2.32	1.62	0.48	0.19	0.07	0.02
KVNY	**Van Nuys Airport**	12.72	3.75	2.27	1.52	0.41	0.16	0.06	0.01

Table 11.3 B – χ/Q for Crematoriums

Building Area (ft²) ≥ 15,000 **> 12 (hrs/day)**

Carcinogenic, Chronic and Chronic 8-Hour χ/Q Values ([µg/m³]/[ton/year])

		Downwind Distance (meters)							
Station Abbr.	**Location**	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
AZUS	**Azusa**	5.71	1.78	1.11	0.77	0.26	0.12	0.08	0.04
BNAP	**Banning**	20.89	5.96	3.43	2.28	0.82	0.40	0.21	0.09
CELA	**Central L.A.**	6.81	1.79	1.08	0.74	0.25	0.12	0.07	0.04
ELSI	**Lake Elsinore**	3.08	1.02	0.66	0.46	0.15	0.07	0.06	0.04
FONT	**Fontana**	9.69	2.91	1.72	1.17	0.39	0.18	0.11	0.05
MSVJ	**Mission Viejo**	3.70	1.14	0.72	0.49	0.15	0.07	0.06	0.03
PERI	**Perris**	5.91	1.84	1.11	0.77	0.26	0.13	0.08	0.04
PICO	**Pico Rivera**	8.48	2.34	1.37	0.90	0.29	0.13	0.08	0.04
RDLD	**Redlands**	5.36	1.68	1.03	0.71	0.24	0.12	0.09	0.07
UPLA	**Upland**	8.65	2.53	1.53	1.05	0.36	0.17	0.10	0.06
KBUR	**Burbank Airport**	11.28	3.02	1.72	1.16	0.37	0.16	0.09	0.04
KCNO	**Chino Airport.**	12.16	3.50	2.03	1.37	0.45	0.21	0.11	0.05
KCQT	**USC/Downtown L.A.**	5.75	1.82	1.16	0.83	0.30	0.14	0.09	0.05
KFUL	**Fullerton Airport**	7.29	2.04	1.22	0.82	0.26	0.12	0.07	0.03
KHHR	**Hawthorne Airport**	13.78	3.70	2.11	1.38	0.44	0.20	0.10	0.05
KLAX	**Los Angeles Int'l Airport**	16.98	5.02	3.02	2.07	0.68	0.30	0.15	0.06
KLGB	**Long Beach Airport**	8.89	2.91	1.76	1.22	0.43	0.18	0.11	0.06
KONT	**Ontario Airport**	15.11	4.78	2.90	2.00	0.68	0.30	0.16	0.07
KPSP	**Palm Springs Airport**	11.90	3.94	2.41	1.66	0.58	0.26	0.14	0.06
KRAL	**Riverside Airport**	11.24	3.23	1.96	1.36	0.49	0.23	0.13	0.07
KSMO	**Santa Monica Airport**	11.83	3.45	2.06	1.40	0.44	0.18	0.09	0.04
KSNA	**John Wayne Int'l Airport**	12.91	3.84	2.23	1.48	0.47	0.20	0.11	0.05
KTRM	**Desert Hot Springs Airport**	12.46	3.98	2.43	1.69	0.61	0.28	0.16	0.08
KVNY	**Van Nuys Airport**	8.48	2.54	1.47	0.97	0.30	0.13	0.07	0.04

Table 11.4 – χ/Q for Crematoriums

All Operating Conditions

Acute Hazard Index
χ/Q Values ([µg/m³]/[lb/hr]))

	Downwind Distance (meters)							
Building Area (ft^2)	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
5,000 < Area ≤ 10,000	265.00	72.63	48.55	37.28	15.05	7.54	3.64	1.88
10,000 < Area ≤ 15,000	258.10	69.72	47.65	36.20	15.12	7.57	3.64	1.88
Building Area > 15,000	230.50	71.30	49.30	37.13	14.98	7.49	3.64	1.88

Table 12.0 – MICR Screening Tables for Gasoline Dispensing Facilities

Equipment Type	MICR Screening Tables		Source ID
	Residential	Worker	
Gasoline Underground Storage Tank	Table 12.1A	Table 12.1B	U
Gasoline Aboveground Storage Tank	Table 12.2A	Table 12.2B	A

Table 12.1A – Screening Tables for Gasoline Dispensing Facilities

Underground Storage Tank (UST) **Residential**

MICR per One Million Gallons of Gasoline

		Downwind Distance (meters)							
Station Abbr.	**Location**	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
AZUS	**Azusa**	2.884	1.040	0.550	0.340	0.093	0.045	0.018	0.006
BNAP	**Banning**	4.208	1.703	0.940	0.603	0.186	0.093	0.039	0.013
CELA	**Central L.A.**	2.484	0.876	0.455	0.287	0.085	0.041	0.017	0.005
ELSI	**Lake Elsinore**	2.978	1.075	0.558	0.347	0.103	0.051	0.021	0.007
FONT	**Fontana**	3.306	1.254	0.677	0.423	0.124	0.060	0.025	0.007
MSVJ	**Mission Viejo**	2.721	0.981	0.515	0.319	0.094	0.047	0.018	0.006
PERI	**Perris**	3.494	1.310	0.695	0.436	0.127	0.063	0.026	0.008
PICO	**Pico Rivera**	2.629	0.956	0.509	0.316	0.091	0.044	0.018	0.005
RDLD	**Redlands**	3.562	1.325	0.691	0.418	0.113	0.055	0.024	0.007
UPLA	**Upland**	3.108	1.133	0.609	0.384	0.111	0.054	0.022	0.007
KBUR	**Burbank Airport**	3.097	1.198	0.655	0.410	0.125	0.062	0.026	0.008
KCNO	**Chino Airport.**	4.084	1.609	0.870	0.549	0.166	0.082	0.033	0.010
KCQT	**USC/Downtown L.A.**	3.382	1.244	0.656	0.407	0.110	0.052	0.021	0.007
KFUL	**Fullerton Airport**	2.726	1.027	0.553	0.348	0.104	0.052	0.021	0.007
KHHR	**Hawthorne Airport**	3.225	1.197	0.640	0.405	0.123	0.061	0.025	0.007
KLAX	**Los Angeles Int'l Airport**	4.456	1.830	1.010	0.648	0.204	0.102	0.044	0.013
KLGB	**Long Beach Airport**	3.417	1.394	0.764	0.488	0.151	0.076	0.033	0.010
KONT	**Ontario Airport**	4.834	2.006	1.111	0.710	0.222	0.112	0.047	0.015
KPSP	**Palm Springs Airport**	3.363	1.352	0.736	0.467	0.144	0.073	0.031	0.010
KRAL	**Riverside Airport**	4.141	1.678	0.922	0.588	0.177	0.088	0.038	0.013
KSMO	**Santa Monica Airport**	3.444	1.336	0.731	0.462	0.139	0.068	0.028	0.008
KSNA	**John Wayne Int'l Airport**	4.041	1.605	0.870	0.549	0.164	0.079	0.032	0.010
KTRM	**Desert Hot Springs Airport**	3.820	1.553	0.848	0.540	0.163	0.082	0.035	0.010
KVNY	**Van Nuys Airport**	2.909	1.132	0.608	0.378	0.111	0.055	0.022	0.007

Table 12.1B – Screening Tables for Gasoline Dispensing Facilities

Underground Storage Tank (UST) **Worker**

MICR per One Million Gallons of Gasoline

		Downwind Distance (meters)							
Station Abbr.	**Location**	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
AZUS	**Azusa**	0.238	0.086	0.045	0.028	0.008	0.004	0.002	0.000
BNAP	**Banning**	0.347	0.140	0.078	0.050	0.015	0.008	0.003	0.001
CELA	**Central L.A.**	0.205	0.072	0.038	0.024	0.007	0.003	0.001	0.000
ELSI	**Lake Elsinore**	0.246	0.089	0.046	0.029	0.009	0.004	0.002	0.001
FONT	**Fontana**	0.273	0.103	0.056	0.035	0.010	0.005	0.002	0.001
MSVJ	**Mission Viejo**	0.224	0.081	0.042	0.026	0.008	0.004	0.002	0.000
PERI	**Perris**	0.288	0.108	0.057	0.036	0.010	0.005	0.002	0.001
PICO	**Pico Rivera**	0.217	0.079	0.042	0.026	0.007	0.004	0.001	0.000
RDLD	**Redlands**	0.294	0.109	0.057	0.034	0.009	0.005	0.002	0.001
UPLA	**Upland**	0.256	0.093	0.050	0.032	0.009	0.004	0.002	0.001
KBUR	**Burbank Airport**	0.255	0.099	0.054	0.034	0.010	0.005	0.002	0.001
KCNO	**Chino Airport.**	0.337	0.133	0.072	0.045	0.014	0.007	0.003	0.001
KCQT	**USC/Downtown L.A.**	0.279	0.103	0.054	0.034	0.009	0.004	0.002	0.001
KFUL	**Fullerton Airport**	0.225	0.085	0.046	0.029	0.009	0.004	0.002	0.001
KHHR	**Hawthorne Airport**	0.266	0.099	0.053	0.033	0.010	0.005	0.002	0.001
KLAX	**Los Angeles Int'l Airport**	0.367	0.151	0.083	0.053	0.017	0.008	0.004	0.001
KLGB	**Long Beach Airport**	0.282	0.115	0.063	0.040	0.012	0.006	0.003	0.001
KONT	**Ontario Airport**	0.399	0.165	0.092	0.059	0.018	0.009	0.004	0.001
KPSP	**Palm Springs Airport**	0.277	0.111	0.061	0.038	0.012	0.006	0.003	0.001
KRAL	**Riverside Airport**	0.341	0.138	0.076	0.049	0.015	0.007	0.003	0.001
KSMO	**Santa Monica Airport**	0.284	0.110	0.060	0.038	0.011	0.006	0.002	0.001
KSNA	**John Wayne Int'l Airport**	0.333	0.132	0.072	0.045	0.014	0.007	0.003	0.001
KTRM	**Desert Hot Springs Airport**	0.315	0.128	0.070	0.045	0.013	0.007	0.003	0.001
KVNY	**Van Nuys Airport**	0.240	0.093	0.050	0.031	0.009	0.005	0.002	0.001

Table 12.2A – Screening Tables for Gasoline Dispensing Facilities

Aboveground Storage Tank (AST) **Residential**

MICR per One Million Gallons of Gasoline

		Downwind Distance (meters)							
Station Abbr.	**Location**	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
AZUS	**Azusa**	4.447	1.603	0.827	0.496	0.114	0.050	0.020	0.006
BNAP	**Banning**	5.469	2.176	1.185	0.748	0.210	0.101	0.042	0.013
CELA	**Central L.A.**	3.610	1.258	0.641	0.392	0.100	0.046	0.019	0.006
ELSI	**Lake Elsinore**	4.056	1.458	0.748	0.452	0.119	0.057	0.024	0.008
FONT	**Fontana**	4.812	1.787	0.940	0.569	0.145	0.067	0.027	0.008
MSVJ	**Mission Viejo**	3.600	1.276	0.650	0.395	0.108	0.052	0.021	0.007
PERI	**Perris**	4.639	1.733	0.904	0.558	0.144	0.069	0.029	0.009
PICO	**Pico Rivera**	3.720	1.342	0.699	0.421	0.106	0.049	0.019	0.006
RDLD	**Redlands**	5.809	2.218	1.154	0.685	0.132	0.062	0.026	0.008
UPLA	**Upland**	4.693	1.677	0.871	0.532	0.130	0.060	0.025	0.008
KBUR	**Burbank Airport**	3.940	1.493	0.808	0.493	0.139	0.069	0.028	0.008
KCNO	**Chino Airport.**	4.971	1.950	1.047	0.658	0.188	0.091	0.037	0.011
KCQT	**USC/Downtown L.A.**	5.393	1.959	1.002	0.604	0.133	0.058	0.024	0.007
KFUL	**Fullerton Airport**	3.614	1.336	0.699	0.429	0.118	0.058	0.024	0.007
KHHR	**Hawthorne Airport**	4.415	1.593	0.837	0.511	0.140	0.067	0.027	0.008
KLAX	**Los Angeles Int'l Airport**	5.624	2.316	1.257	0.794	0.227	0.111	0.047	0.015
KLGB	**Long Beach Airport**	4.450	1.829	0.993	0.621	0.172	0.083	0.035	0.011
KONT	**Ontario Airport**	5.990	2.494	1.370	0.862	0.249	0.121	0.051	0.017
KPSP	**Palm Springs Airport**	4.148	1.691	0.915	0.573	0.163	0.080	0.034	0.010
KRAL	**Riverside Airport**	5.770	2.318	1.244	0.776	0.202	0.096	0.041	0.013
KSMO	**Santa Monica Airport**	4.771	1.829	0.977	0.596	0.159	0.074	0.031	0.009
KSNA	**John Wayne Int'l Airport**	5.072	2.017	1.085	0.674	0.186	0.088	0.036	0.010
KTRM	**Desert Hot Springs Airport**	4.681	1.917	1.040	0.660	0.183	0.091	0.039	0.012
KVNY	**Van Nuys Airport**	3.673	1.428	0.760	0.467	0.127	0.060	0.025	0.008

Table 12.2B – Screening Tables for Gasoline Dispensing Facilities

Aboveground Storage Tank (AST) **Worker**

MICR per One Million Gallons of Gasoline

		Downwind Distance (meters)							
Station Abbr.	**Location**	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
AZUS	**Azusa**	0.367	0.132	0.068	0.041	0.009	0.004	0.002	0.001
BNAP	**Banning**	0.451	0.179	0.098	0.062	0.017	0.008	0.003	0.001
CELA	**Central L.A.**	0.298	0.104	0.053	0.032	0.008	0.004	0.002	0.001
ELSI	**Lake Elsinore**	0.334	0.120	0.062	0.037	0.010	0.005	0.002	0.001
FONT	**Fontana**	0.397	0.147	0.077	0.047	0.012	0.005	0.002	0.001
MSVJ	**Mission Viejo**	0.297	0.105	0.054	0.033	0.009	0.004	0.002	0.001
PERI	**Perris**	0.383	0.143	0.075	0.046	0.012	0.006	0.002	0.001
PICO	**Pico Rivera**	0.307	0.111	0.058	0.035	0.009	0.004	0.002	0.001
RDLD	**Redlands**	0.479	0.183	0.095	0.056	0.011	0.005	0.002	0.001
UPLA	**Upland**	0.387	0.138	0.072	0.044	0.011	0.005	0.002	0.001
KBUR	**Burbank Airport**	0.325	0.123	0.067	0.041	0.011	0.006	0.002	0.001
KCNO	**Chino Airport.**	0.410	0.161	0.086	0.054	0.016	0.007	0.003	0.001
KCQT	**USC/Downtown L.A.**	0.445	0.162	0.083	0.050	0.011	0.005	0.002	0.001
KFUL	**Fullerton Airport**	0.298	0.110	0.058	0.035	0.010	0.005	0.002	0.001
KHHR	**Hawthorne Airport**	0.364	0.131	0.069	0.042	0.012	0.006	0.002	0.001
KLAX	**Los Angeles Int'l Airport**	0.464	0.191	0.104	0.066	0.019	0.009	0.004	0.001
KLGB	**Long Beach Airport**	0.367	0.151	0.082	0.051	0.014	0.007	0.003	0.001
KONT	**Ontario Airport**	0.494	0.206	0.113	0.071	0.021	0.010	0.004	0.001
KPSP	**Palm Springs Airport**	0.342	0.139	0.075	0.047	0.013	0.007	0.003	0.001
KRAL	**Riverside Airport**	0.476	0.191	0.103	0.064	0.017	0.008	0.003	0.001
KSMO	**Santa Monica Airport**	0.393	0.151	0.081	0.049	0.013	0.006	0.003	0.001
KSNA	**John Wayne Int'l Airport**	0.418	0.166	0.089	0.056	0.015	0.007	0.003	0.001
KTRM	**Desert Hot Springs Airport**	0.386	0.158	0.086	0.054	0.015	0.007	0.003	0.001
KVNY	**Van Nuys Airport**	0.303	0.118	0.063	0.038	0.010	0.005	0.002	0.001

Table 13.0 – χ/Q for Spray Booths

Equipment Type	Stack Height (ft)	Cancer, Chronic, Chronic 8 Hr χ/Q Tables	Acute χ /Q Table	Source ID
		≤ 12 hr/day		
Spray Booth	16 ≤ Height < 24	Table 13.1	Table 13.3	P1
	24 ≤ Height < 50	Table 13.2		P2

Table 13.1 – χ/Q for Spray Booths

16 ft ≤ Stack Height < 24 ft* **< 12 hours**

Carcinogenic, Chronic and Chronic 8-Hour χ/Q Values ([µg/m³]/[ton/year])

		Downwind Distance (meters)							
Station Abbr.	**Location**	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
AZUS	**Azusa**	21.48	5.77	2.98	1.78	0.34	0.13	0.05	0.01
BNAP	**Banning**	25.33	6.05	3.59	2.31	0.54	0.22	0.08	0.02
CELA	**Central L.A.**	23.19	7.14	2.95	1.74	0.33	0.13	0.05	0.01
ELSI	**Lake Elsinore**	11.82	5.62	2.23	1.34	0.28	0.11	0.04	0.01
FONT	**Fontana**	23.99	6.78	3.45	2.13	0.44	0.18	0.06	0.01
MSVJ	**Mission Viejo**	14.46	7.58	2.50	1.50	0.29	0.12	0.04	0.01
PERI	**Perris**	10.89	6.11	2.36	1.48	0.35	0.15	0.05	0.01
PICO	**Pico Rivera**	16.68	9.30	3.07	1.84	0.38	0.15	0.05	0.01
RDLD	**Redlands**	20.78	5.75	3.00	1.81	0.35	0.14	0.05	0.01
UPLA	**Upland**	27.30	7.04	3.69	2.27	0.46	0.18	0.07	0.02
KBUR	**Burbank Airport**	14.62	8.84	3.44	2.14	0.49	0.21	0.07	0.02
KCNO	**Chino Airport.**	22.53	5.96	3.49	2.25	0.54	0.22	0.07	0.02
KCQT	**USC/Downtown L.A.**	23.02	6.43	3.51	2.15	0.42	0.16	0.06	0.01
KFUL	**Fullerton Airport**	15.58	9.45	3.26	2.02	0.44	0.18	0.07	0.02
KHHR	**Hawthorne Airport**	32.27	7.25	4.22	2.68	0.59	0.23	0.08	0.02
KLAX	**Los Angeles Int'l Airport**	34.88	8.37	5.14	3.37	0.83	0.34	0.12	0.03
KLGB	**Long Beach Airport**	11.54	7.02	2.98	1.90	0.47	0.20	0.07	0.02
KONT	**Ontario Airport**	27.28	7.64	4.24	2.72	0.65	0.26	0.09	0.02
KPSP	**Palm Springs Airport**	17.43	4.66	2.62	1.65	0.36	0.14	0.05	0.01
KRAL	**Riverside Airport**	25.40	6.50	3.94	2.51	0.56	0.22	0.08	0.02
KSMO	**Santa Monica Airport**	28.07	8.70	4.48	2.84	0.66	0.27	0.10	0.02
KSNA	**John Wayne Int'l Airport**	22.94	8.73	4.07	2.59	0.63	0.26	0.09	0.02
KTRM	**Desert Hot Springs Airport**	14.92	6.24	3.14	2.04	0.52	0.22	0.08	0.02
KVNY	**Van Nuys Airport**	14.36	7.45	2.98	1.87	0.43	0.18	0.06	0.01

* Note: Facilities with stack heights less than 16 feet must perform Tier 3 or Tier 4 dispersion modeling.

Table 13.2 – χ/Q for Spray Booths

24 ft ≤ Stack Height < 50 ft **< 12 hours**

Carcinogenic, Chronic and Chronic 8-Hour χ/Q Values ([µg/m³]/[ton/year])

		Downwind Distance (meters)							
Station Abbr.	**Location**	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
AZUS	**Azusa**	15.68	7.28	3.08	1.96	0.49	0.18	0.05	0.01
BNAP	**Banning**	16.43	5.62	3.26	2.20	0.65	0.27	0.08	0.02
CELA	**Central L.A.**	14.10	8.60	2.75	1.77	0.45	0.17	0.05	0.01
ELSI	**Lake Elsinore**	10.37	8.12	2.31	1.46	0.37	0.14	0.04	0.01
FONT	**Fontana**	16.71	9.18	3.27	2.14	0.57	0.22	0.06	0.01
MSVJ	**Mission Viejo**	11.34	8.63	2.35	1.53	0.38	0.14	0.04	0.01
PERI	**Perris**	8.52	6.81	2.18	1.44	0.41	0.17	0.05	0.01
PICO	**Pico Rivera**	12.30	10.41	2.83	1.81	0.48	0.18	0.05	0.01
RDLD	**Redlands**	16.48	6.82	3.18	2.02	0.50	0.18	0.05	0.01
UPLA	**Upland**	17.77	8.64	3.53	2.31	0.62	0.23	0.07	0.02
KBUR	**Burbank Airport**	11.88	10.42	3.12	2.04	0.56	0.23	0.07	0.02
KCNO	**Chino Airport.**	15.61	5.77	3.15	2.13	0.63	0.26	0.08	0.02
KCQT	**USC/Downtown L.A.**	16.41	7.29	3.44	2.23	0.57	0.21	0.06	0.01
KFUL	**Fullerton Airport**	12.13	11.23	3.02	2.00	0.56	0.22	0.07	0.02
KHHR	**Hawthorne Airport**	20.76	6.85	3.96	2.65	0.78	0.31	0.09	0.02
KLAX	**Los Angeles Int'l Airport**	22.81	7.30	4.64	3.22	1.03	0.43	0.12	0.03
KLGB	**Long Beach Airport**	9.19	8.40	2.67	1.79	0.52	0.21	0.07	0.02
KONT	**Ontario Airport**	18.51	8.46	3.80	2.57	0.76	0.31	0.09	0.02
KPSP	**Palm Springs Airport**	12.03	5.40	2.39	1.59	0.44	0.17	0.05	0.01
KRAL	**Riverside Airport**	18.01	6.03	3.73	2.50	0.70	0.28	0.08	0.02
KSMO	**Santa Monica Airport**	18.31	14.28	4.13	2.79	0.84	0.33	0.10	0.02
KSNA	**John Wayne Int'l Airport**	15.86	12.66	3.68	2.46	0.73	0.30	0.09	0.02
KTRM	**Desert Hot Springs Airport**	10.55	9.40	2.82	1.94	0.60	0.25	0.08	0.02
KVNY	**Van Nuys Airport**	10.89	9.71	2.72	1.80	0.51	0.20	0.06	0.01

Table 13.3 – χ/Q for Spray Booths

All Operating Conditions

Acute Hazard Index
χ/Q Values ([µg/m³]/[lb/hr]))

	Downwind Distance (meters)							
Stack Height	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
16 ft ≤ Stack Height < 24 ft	1280.53	498.24	275.07	213.97	72.34	39.80	19.87	7.27
24 ft ≤ Stack Height < 50 ft	782.00	503.29	213.04	181.03	106.19	55.96	20.63	7.56