

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**

Draft Version 8.1

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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SCAQMD PERMIT APPLICATION PACKAGE “N”
Tables Effective for Applications Deemed Complete On or After October 1, 2017 (PROPOSED)
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)			

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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)			

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Table 1.0 – Screening Emission Levels (continued)

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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

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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

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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-Tetrachlorodibenzo-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-Pentachlorodibenzo-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-Hexachlorodibenzo-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-Hexachlorodibenzo-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-Hexachlorodibenzo-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-Heptachlorodibenzo-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-Octachlorodibenzo-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)			

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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)			

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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 Diisocyanates	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

SCAQMD PERMIT APPLICATION PACKAGE “N”
Tables Effective for Applications Deemed Complete On or After October 1, 2017 (PROPOSED)
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
Benzo(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)	CEFR
-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)	CEFR
-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)	CEFR
-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)	CEFR
-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)	CEFR
-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)	CEFW
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)	CEFW
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)	CEFW
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)	CEFW
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	$14 \leq \text{Stack Height} < 25$	Table 6.1 A	Table 6.1 B	Table 6.4	P1
	$25 \leq \text{Stack Height} < 50$	Table 6.2 A	Table 6.2 B		P2
	$\text{Stack Height} \geq 50$	Table 6.3 A	Table 6.3 B		P3

Table 6.1 A – χ/Q for General Non-Combustion Point Source Equipment14 ft $\leq$ Stack Height < 25 ft*

< 12 (hrs/day)

Carcinogenic, Chronic and Chronic 8-Hour
 χ/Q Values ($\mu\text{g}/\text{m}^3/[\text{ton}/\text{year}]$)

Station Abbr.	Location	Downwind Distance (meters)							
		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 Equipment14 ft $\leq$ Stack Height < 25 ft*

> 12 (hrs/day)

Carcinogenic, Chronic and Chronic 8-Hour
 χ/Q Values ($\mu\text{g}/\text{m}^3$)/[ton/year]

Station Abbr.	Location	Downwind Distance (meters)							
		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 Equipment25 ft $\leq$ Stack Height < 50 ft

< 12 (hrs/day)

Carcinogenic, Chronic and Chronic 8-Hour
 χ/Q Values ($\mu\text{g}/\text{m}^3$)/[ton/year]

Station Abbr.	Location	Downwind Distance (meters)							
		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 Equipment25 ft $\leq$ Stack Height < 50 ft

> 12 (hrs/day)

Carcinogenic, Chronic and Chronic 8-Hour
 χ/Q Values ($[\mu\text{g}/\text{m}^3]/[\text{ton}/\text{year}]$)

Station Abbr.	Location	Downwind Distance (meters)							
		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 EquipmentStack Height ≥ 50 ft

< 12 (hrs/day)

Carcinogenic, Chronic and Chronic 8-Hour
 χ/Q Values ($\mu\text{g}/\text{m}^3/[\text{ton}/\text{year}]$)

Station Abbr.	Location	Downwind Distance (meters)							
		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 EquipmentStack Height ≥ 50 ft

> 12 (hrs/day)

Carcinogenic, Chronic and Chronic 8-Hour
 χ/Q Values ($\mu\text{g}/\text{m}^3/[\text{ton}/\text{year}]$)

Station Abbr.	Location	Downwind Distance (meters)							
		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 ($[\mu\text{g}/\text{m}^3]/[\text{lb}/\text{hr}]$)

Stack Height (ft)	Downwind Distance (meters)							
	25	50	75	100	200	300	500	1000
$14 \leq \text{Stack Height} < 25$	676.64	261.46	200.34	165.43	66.01	22.72	8.35	2.68
$25 \leq \text{Stack Height} < 50$	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 $\leq 3,000$	≤ 20	Table 7.1 A	Table 7.1 B	Table 7.7	V1
	$3,000 < \text{Area} \leq 10,000$	≤ 20	Table 7.2 A	Table 7.2 B		V2
	$10,000 < \text{Area} \leq 30,000$	≤ 20	Table 7.3 A	Table 7.3 B		V3
	Area $\leq 3,000$	> 20	Table 7.4 A	Table 7.4 B		V4
	$3,000 < \text{Area} \leq 10,000$	> 20	Table 7.5 A	Table 7.5 B		V5
	$10,000 < \text{Area} \leq 30,000$	> 20	Table 7.6 A	Table 7.6 B		V6

Table 7.1 A– χ/Q for General Non-Combustion Volume Source EquipmentBuilding Area $\leq 3,000$ ft²Height ≤ 20 ft ≤ 12 hr/dayCarcinogenic, Chronic and Chronic 8-Hour
 χ/Q Values ($\mu\text{g}/\text{m}^3$)/[ton/year]

Station Abbr.	Location	Downwind Distance (meters)							
		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 EquipmentBuilding Area $\leq 3,000$ ft²Height ≤ 20 ft

>12 hr/day

Carcinogenic, Chronic and Chronic 8-Hour
 χ/Q Values ($\mu\text{g}/\text{m}^3/[\text{ton}/\text{year}]$)

Station Abbr.	Location	Downwind Distance (meters)							
		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 Equipment3,000 ft² < Building Area ≤ 10,000 ft²

Height ≤ 20 ft

≤12 hr/day

**Carcinogenic, Chronic and Chronic 8-Hour
 χ/Q Values ([$\mu\text{g}/\text{m}^3$]/[ton/year])**

Station Abbr.	Location	Downwind Distance (meters)							
		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 Equipment3,000 ft² < Building Area ≤ 10,000 ft²

Height ≤ 20 ft

>12 hr/day

**Carcinogenic, Chronic and Chronic 8-Hour
 χ/Q Values ($\mu\text{g}/\text{m}^3$)/[ton/year])**

Station Abbr.	Location	Downwind Distance (meters)							
		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 Equipment10,000 ft² < Building Area ≤ 30,000 ft²

Height ≤ 20 ft

≤12 hr/day

Carcinogenic, Chronic and Chronic 8-Hour
 χ/Q Values ($\mu\text{g}/\text{m}^3/[\text{ton}/\text{year}]$)

Station Abbr.	Location	Downwind Distance (meters)							
		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 Equipment10,000 ft² < Building Area ≤ 30,000 ft²

Height ≤ 20 ft

>12 hr/day

Carcinogenic, Chronic and Chronic 8-Hour
 χ/Q Values ([$\mu\text{g}/\text{m}^3$]/[ton/year])

Station Abbr.	Location	Downwind Distance (meters)							
		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 EquipmentBuilding Area $\leq 3,000$ ft²Height > 20 ft ≤ 12 hr/dayCarcinogenic, Chronic and Chronic 8-Hour
 χ/Q Values ($\mu\text{g}/\text{m}^3$)/[ton/year]

Station Abbr.	Location	Downwind Distance (meters)							
		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 EquipmentBuilding Area $\leq 3,000 \text{ ft}^2$ Height $> 20 \text{ ft}$ $>12 \text{ hr/day}$ Carcinogenic, Chronic and Chronic 8-Hour
 χ/Q Values ($[\mu\text{g}/\text{m}^3]/[\text{ton}/\text{year}]$)

Station Abbr.	Location	Downwind Distance (meters)							
		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 Equipment3,000 ft² < Building Area ≤ 10,000 ft²

Height > 20 ft

≤12 hr/day

**Carcinogenic, Chronic and Chronic 8-Hour
 χ/Q Values ([$\mu\text{g}/\text{m}^3$]/[ton/year])**

Station Abbr.	Location	Downwind Distance (meters)							
		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 Equipment3,000 ft² < Building Area ≤ 10,000 ft²

Height > 20 ft

>12 hr/day

**Carcinogenic, Chronic and Chronic 8-Hour
 χ/Q Values ($\mu\text{g}/\text{m}^3$)/[ton/year])**

Station Abbr.	Location	Downwind Distance (meters)							
		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 Equipment10,000 ft² < Building Area ≤ 30,000 ft²

Height > 20 ft

≤12 hr/day

Carcinogenic, Chronic and Chronic 8-Hour
 χ/Q Values ($\mu\text{g}/\text{m}^3/[\text{ton}/\text{year}]$)

Station Abbr.	Location	Downwind Distance (meters)							
		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 Equipment10,000 ft² < Building Area ≤ 30,000 ft²

Height > 20 ft

>12 hr/day

**Carcinogenic, Chronic and Chronic 8-Hour
 χ/Q Values ([$\mu\text{g}/\text{m}^3$]/[ton/year])**

Station Abbr.	Location	Downwind Distance (meters)							
		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 ($[\mu\text{g}/\text{m}^3]/[\text{lb}/\text{hr}]$)

	Stack Height (ft)	Downwind Distance (meters)							
Building Area (ft ²)	≤ 20	25	50	75	100	200	300	500	1000
Building Area $\leq 3,000$	≤ 20	1,033.77	414.65	218.14	135.08	44.63	23.14	10.01	3.15
3,000 < Building Area $\leq 10,000$	≤ 20	707.38	325.92	183.90	119.58	41.96	22.20	9.76	3.12
10,000 < Building Area $\leq 30,000$	≤ 20	488.94	273.75	169.32	114.26	39.57	20.43	8.71	2.64
Building Area $\leq 3,000$	> 20	427.29	230.93	142.89	99.10	38.15	20.87	9.44	3.10
3,000 < Building Area $\leq 10,000$	> 20	325.79	202.24	133.97	94.69	35.76	19.08	8.36	2.59
10,000 < Building Area $\leq 30,000$	> 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	$2 < \text{Rating} \leq 5$	Table 8.1 A	Table 8.1 B	Table 8.8	B1
	$5 < \text{Rating} \leq 10$	Table 8.2 A	Table 8.2 B		B2
	$10 < \text{Rating} \leq 20$	Table 8.3 A	Table 8.3 B		B3
	$20 < \text{Rating} \leq 30$	Table 8.4 A	Table 8.4 B		B4
	$30 < \text{Rating} \leq 50$	Table 8.5 A	Table 8.5 B		B5
	$50 < \text{Rating} \leq 150$	Table 8.6 A	Table 8.6 B		B6
	$150 < \text{Rating} \leq 200$	Table 8.7 A	Table 8.7 B		B7

Table 8.1 A – χ/Q for Natural Gas Boilers $2 < \text{Rating (MMBTU/hr)} \leq 5$ $< 12 \text{ (hrs/day)}$ Carcinogenic, Chronic and Chronic 8-Hour
 χ/Q Values ($[\mu\text{g}/\text{m}^3]/[\text{ton}/\text{year}]$)

Station Abbr.	Location	Downwind Distance (meters)							
		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 $2 < \text{Rating (MMBTU/hr)} \leq 5$ $> 12 \text{ (hrs/day)}$ Carcinogenic, Chronic and Chronic 8-Hour
 χ/Q Values ($\mu\text{g}/\text{m}^3/[\text{ton}/\text{year}]$)

Station Abbr.	Location	Downwind Distance (meters)							
		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 $5 < \text{Rating (MMBTU/hr)} \leq 10$ $< 12 \text{ (hrs/day)}$ Carcinogenic, Chronic and Chronic 8-Hour
 χ/Q Values ($\mu\text{g}/\text{m}^3/[\text{ton}/\text{year}]$)

Station Abbr.	Location	Downwind Distance (meters)							
		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 $5 < \text{Rating (MMBTU/hr)} \leq 10$ $> 12 \text{ (hrs/day)}$ Carcinogenic, Chronic and Chronic 8-Hour
 χ/Q Values ($\mu\text{g}/\text{m}^3/[\text{ton}/\text{year}]$)

Station Abbr.	Location	Downwind Distance (meters)							
		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 Boilers10 < Rating (MMBTU/hr) $\leq$ 20

< 12 (hrs/day)

Carcinogenic, Chronic and Chronic 8-Hour
 χ/Q Values ($\mu\text{g}/\text{m}^3$)/[ton/year]

Station Abbr.	Location	Downwind Distance (meters)							
		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 Boilers10 < Rating (MMBTU/hr) $\leq$ 20

> 12 (hrs/day)

Carcinogenic, Chronic and Chronic 8-Hour
 χ/Q Values ($\mu\text{g}/\text{m}^3/[\text{ton}/\text{year}]$)

Station Abbr.	Location	Downwind Distance (meters)							
		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 Boilers20 < Rating (MMBTU/hr) $\leq$ 30

< 12 (hrs/day)

Carcinogenic, Chronic and Chronic 8-Hour
 χ/Q Values ($\mu\text{g}/\text{m}^3$)/[ton/year]

Station Abbr.	Location	Downwind Distance (meters)							
		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 Boilers20 < Rating (MMBTU/hr) $\leq$ 30

> 12 (hrs/day)

Carcinogenic, Chronic and Chronic 8-Hour
 χ/Q Values ($\mu\text{g}/\text{m}^3/[\text{ton}/\text{year}]$)

Station Abbr.	Location	Downwind Distance (meters)							
		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 Boilers30 < Rating (MMBTU/hr) $\leq$ 50

< 12 (hrs/day)

Carcinogenic, Chronic and Chronic 8-Hour
 χ/Q Values ($\mu\text{g}/\text{m}^3/[\text{ton}/\text{year}]$)

Station Abbr.	Location	Downwind Distance (meters)							
		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 Boilers30 < Rating (MMBTU/hr) $\leq$ 50

> 12 (hrs/day)

Carcinogenic, Chronic and Chronic 8-Hour
 χ/Q Values ($\mu\text{g}/\text{m}^3/[\text{ton}/\text{year}]$)

Station Abbr.	Location	Downwind Distance (meters)							
		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 Boilers50 < Rating (MMBTU/hr) $\leq$ 150

< 12 (hrs/day)

Carcinogenic, Chronic and Chronic 8-Hour
 χ/Q Values ($\mu\text{g}/\text{m}^3/[\text{ton}/\text{year}]$)

Station Abbr.	Location	Downwind Distance (meters)							
		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 Boilers50 < Rating (MMBTU/hr) $\leq$ 150

> 12 (hrs/day)

Carcinogenic, Chronic and Chronic 8-Hour
 χ/Q Values ($\mu\text{g}/\text{m}^3$)/[ton/year]

Station Abbr.	Location	Downwind Distance (meters)							
		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 Boilers150 < Rating (MMBTU/hr) $\leq$ 200

< 12 (hrs/day)

Carcinogenic, Chronic and Chronic 8-Hour
 χ/Q Values ($\mu\text{g}/\text{m}^3/[\text{ton}/\text{year}]$)

Station Abbr.	Location	Downwind Distance (meters)							
		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 Boilers150 < Rating (MMBTU/hr) $\leq$ 200

> 12 (hrs/day)

Carcinogenic, Chronic and Chronic 8-Hour
 χ/Q Values ($\mu\text{g}/\text{m}^3$)/[ton/year]

Station Abbr.	Location	Downwind Distance (meters)							
		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 ($[\mu\text{g}/\text{m}^3]/[\text{lb}/\text{hr}]$)

Rating (MMBTU/hr)	Downwind Distance (meters)							
	25	50	75	100	200	300	500	1000
$2 < \text{Rating} \leq 5$	246.77	77.10	64.07	55.15	24.90	11.86	6.16	2.89
$5 < \text{Rating} \leq 10$	176.34	52.72	41.10	35.06	15.72	6.62	3.69	2.43
$10 < \text{Rating} \leq 20$	146.20	45.42	34.41	28.20	12.56	5.80	3.10	1.91
$20 < \text{Rating} \leq 30$	100.89	31.91	25.44	20.43	9.54	4.48	2.52	1.25
$30 < \text{Rating} \leq 50$	83.84	27.57	21.80	17.40	7.80	3.93	2.21	1.10
$50 < \text{Rating} \leq 150$	7.32	3.85	4.74	4.48	3.30	2.50	1.62	0.82
$150 < \text{Rating} \leq 200$	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	$50 < \text{Rating} \leq 75$	Table 9.1 A	Table 9.1 B	Table 9.6	N1
	$75 < \text{Rating} \leq 150$	Table 9.2 A	Table 9.2 B		N2
	$150 < \text{Rating} \leq 250$	Table 9.3 A	Table 9.3 B		N3
	$250 < \text{Rating} \leq 1000$	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 Engines50 < Rating (BHP) $\leq$ 75

< 12 (hrs/day)

Carcinogenic, Chronic and Chronic 8-Hour
 χ/Q Values ($\mu\text{g}/\text{m}^3$)/[ton/year]

Station Abbr.	Location	Downwind Distance (meters)							
		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 Engines50 < Rating (BHP) $\leq$ 75

> 12 (hrs/day)

Carcinogenic, Chronic and Chronic 8-Hour
 χ/Q Values ($\mu\text{g}/\text{m}^3$)/[ton/year]

Station Abbr.	Location	Downwind Distance (meters)							
		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 Engines75 < Rating (BHP) $\leq$ 150

< 12 (hrs/day)

Carcinogenic, Chronic and Chronic 8-Hour
 χ/Q Values ($\mu\text{g}/\text{m}^3$)/[ton/year]

Station Abbr.	Location	Downwind Distance (meters)							
		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 Engines75 < Rating (BHP) $\leq$ 150

> 12 (hrs/day)

Carcinogenic, Chronic and Chronic 8-Hour
 χ/Q Values ($\mu\text{g}/\text{m}^3$)/[ton/year]

Station Abbr.	Location	Downwind Distance (meters)							
		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 Engines150 < Rating (BHP) $\leq$ 250

< 12 (hrs/day)

Carcinogenic, Chronic and Chronic 8-Hour
 χ/Q Values ($\mu\text{g}/\text{m}^3$)/[ton/year]

Station Abbr.	Location	Downwind Distance (meters)							
		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 Engines150 < Rating (BHP) $\leq$ 250

> 12 (hrs/day)

Carcinogenic, Chronic and Chronic 8-Hour
 χ/Q Values ($\mu\text{g}/\text{m}^3$)/[ton/year]

Station Abbr.	Location	Downwind Distance (meters)							
		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 ($\mu\text{g}/\text{m}^3$)/[ton/year]

Station Abbr.	Location	Downwind Distance (meters)							
		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 ($\mu\text{g}/\text{m}^3$)/[ton/year]

Station Abbr.	Location	Downwind Distance (meters)							
		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 ($\mu\text{g}/\text{m}^3$)/[ton/year]

Station Abbr.	Location	Downwind Distance (meters)							
		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 ($\mu\text{g}/\text{m}^3$)/[ton/year]

Station Abbr.	Location	Downwind Distance (meters)							
		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 ($[\mu\text{g}/\text{m}^3]/[\text{lb}/\text{hr}]$)

	Downwind Distance (meters)							
Rating (BHP)	25	50	75	100	200	300	500	1000
$50 < \text{Rating (BHP)} \leq 75$	528.24	175.46	128.59	103.13	46.87	19.01	6.77	2.67
$75 < \text{Rating (BHP)} \leq 150$	382.75	120.44	89.95	71.22	31.74	14.51	6.34	2.88
$150 < \text{Rating (BHP)} \leq 250$	270.73	79.19	56.02	44.86	19.28	9.68	4.54	2.31
$250 < \text{Rating (BHP)} \leq 1000$	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	$50 < \text{Rating} \leq 175$	Table 10.1 A	Table 10.1 B	Table 10.6	D1
	$175 < \text{Rating} \leq 300$	Table 10.2 A	Table 10.2 B		D2
	$300 < \text{Rating} \leq 400$	Table 10.3 A	Table 10.3 B		D3
	$400 < \text{Rating} \leq 600$	Table 10.4 A	Table 10.4 B		D4
	$600 < \text{Rating} \leq 1150$	Table 10.5 A	Table 10.5 B		D5

Table 10.1 A – χ/Q for Diesel Internal Combustion Engines50 < Rating (BHP) $\leq$ 175

< 12 (hrs/day)

Carcinogenic, Chronic and Chronic 8-Hour
 χ/Q Values ($\mu\text{g}/\text{m}^3$)/[ton/year]

Station Abbr.	Location	Downwind Distance (meters)							
		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 Engines50 < Rating (BHP) $\leq$ 175

> 12 (hrs/day)

Carcinogenic, Chronic and Chronic 8-Hour
 χ/Q Values ($\mu\text{g}/\text{m}^3/[\text{ton}/\text{year}]$)

Station Abbr.	Location	Downwind Distance (meters)							
		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 Engines175 < Rating (BHP) $\leq$ 300

< 12 (hrs/day)

Carcinogenic, Chronic and Chronic 8-Hour
 χ/Q Values ($\mu\text{g}/\text{m}^3$)/[ton/year]

Station Abbr.	Location	Downwind Distance (meters)							
		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 Engines175 < Rating (BHP) $\leq$ 300

> 12 (hrs/day)

Carcinogenic, Chronic and Chronic 8-Hour
 χ/Q Values ($\mu\text{g}/\text{m}^3$)/[ton/year]

Station Abbr.	Location	Downwind Distance (meters)							
		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 Engines300 < Rating (BHP) $\leq$ 400

< 12 (hrs/day)

Carcinogenic, Chronic and Chronic 8-Hour
 χ/Q Values ($\mu\text{g}/\text{m}^3$)/[ton/year]

Station Abbr.	Location	Downwind Distance (meters)							
		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 Engines300 < Rating (BHP) $\leq$ 400

> 12 (hrs/day)

Carcinogenic, Chronic and Chronic 8-Hour
 χ/Q Values ($\mu\text{g}/\text{m}^3$)/[ton/year]

Station Abbr.	Location	Downwind Distance (meters)							
		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 Engines400 < Rating (BHP) $\leq$ 600

< 12 (hrs/day)

Carcinogenic, Chronic and Chronic 8-Hour
 χ/Q Values ($\mu\text{g}/\text{m}^3$)/[ton/year]

Station Abbr.	Location	Downwind Distance (meters)							
		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 Engines400 < Rating (BHP) $\leq$ 600

> 12 (hrs/day)

Carcinogenic, Chronic and Chronic 8-Hour
 χ/Q Values ($\mu\text{g}/\text{m}^3$)/[ton/year]

Station Abbr.	Location	Downwind Distance (meters)							
		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 Engines600 < Rating (BHP) $\leq$ 1150

< 12 (hrs/day)

Carcinogenic, Chronic and Chronic 8-Hour
 χ/Q Values ($\mu\text{g}/\text{m}^3$)/[ton/year]

Station Abbr.	Location	Downwind Distance (meters)							
		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 Engines600 < Rating (BHP) $\leq$ 1150

> 12 (hrs/day)

**Carcinogenic, Chronic and Chronic 8-Hour
 χ/Q Values ($\mu\text{g}/\text{m}^3/[\text{ton}/\text{year}]$)**

Station Abbr.	Location	Downwind Distance (meters)							
		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 ($[\mu\text{g}/\text{m}^3]/[\text{lb}/\text{hr}]$)

Rating (BHP)	Downwind Distance (meters)							
	25	50	75	100	200	300	500	1000
$50 < \text{Rating} \leq 175$	361.32	121.96	90.85	73.66	33.20	14.52	6.12	2.86
$175 < \text{Rating} \leq 300$	309.73	100.99	73.33	60.55	25.94	12.36	5.45	2.67
$300 < \text{Rating} \leq 400$	238.41	80.18	54.79	44.34	19.52	9.85	4.54	2.07
$400 < \text{Rating} \leq 600$	198.38	67.23	46.82	35.85	15.74	8.37	3.94	1.75
$600 < \text{Rating} \leq 1150$	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	$5,000 < \text{Area} \leq 10,000$	Table 11.1 A	Table 11.1 B	Table 11.4	P1
	$10,000 < \text{Area} \leq 15,000$	Table 11.2 A	Table 11.2 B		P2
	$\text{Area} > 15,000$	Table 11.3 A	Table 11.3 B		P3

Table 11.1 A – χ/Q for Crematoriums5,000 < Building Area (ft²) ≤ 10,000

< 12 (hrs/day)

Carcinogenic, Chronic and Chronic 8-Hour
 χ/Q Values ([$\mu\text{g}/\text{m}^3$]/[ton/year])

Station Abbr.	Location	Downwind Distance (meters)							
		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 Crematoriums5,000 < Building Area (ft²) ≤ 10,000

> 12 (hrs/day)

Carcinogenic, Chronic and Chronic 8-Hour
 χ/Q Values ([$\mu\text{g}/\text{m}^3$]/[ton/year])

Station Abbr.	Location	Downwind Distance (meters)							
		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 Crematoriums10,000 < Building Area (ft²) ≤ 15,000

< 12 (hrs/day)

Carcinogenic, Chronic and Chronic 8-Hour
 χ/Q Values ([$\mu\text{g}/\text{m}^3$]/[ton/year])

Station Abbr.	Location	Downwind Distance (meters)							
		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 Crematoriums10,000 < Building Area (ft²) ≤ 15,000

> 12 (hrs/day)

Carcinogenic, Chronic and Chronic 8-Hour
 χ/Q Values ([$\mu\text{g}/\text{m}^3$]/[ton/year])

Station Abbr.	Location	Downwind Distance (meters)							
		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 CrematoriumsBuilding Area (ft²) $\geq$ 15,000

< 12 (hrs/day)

Carcinogenic, Chronic and Chronic 8-Hour
 χ/Q Values ([$\mu\text{g}/\text{m}^3$]/[ton/year])

Station Abbr.	Location	Downwind Distance (meters)							
		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 CrematoriumsBuilding Area (ft²) $\geq$ 15,000

> 12 (hrs/day)

Carcinogenic, Chronic and Chronic 8-Hour
 χ/Q Values ($\mu\text{g}/\text{m}^3/[\text{ton}/\text{year}]$)

Station Abbr.	Location	Downwind Distance (meters)							
		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 ($[\mu\text{g}/\text{m}^3]/[\text{lb}/\text{hr}]$)

Building Area (ft ²)	Downwind Distance (meters)							
	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

Station Abbr.	Location	Downwind Distance (meters)							
		25	50	75	100	200	300	500	1000
AZUS	Azusa	3.038	1.096	0.580	0.360	0.100	0.048	0.020	0.006
BNAP	Banning	4.472	1.811	1.001	0.642	0.199	0.099	0.042	0.013
CELA	Central L.A.	2.627	0.927	0.482	0.305	0.090	0.044	0.018	0.006
ELSI	Lake Elsinore	3.164	1.141	0.595	0.371	0.111	0.055	0.023	0.007
FONT	Fontana	3.492	1.327	0.718	0.449	0.132	0.065	0.027	0.008
MSVJ	Mission Viejo	2.896	1.046	0.549	0.340	0.101	0.050	0.020	0.007
PERI	Perris	3.713	1.393	0.739	0.464	0.136	0.068	0.028	0.009
PICO	Pico Rivera	2.784	1.014	0.542	0.337	0.098	0.047	0.019	0.006
RDLD	Redlands	3.735	1.387	0.722	0.437	0.120	0.060	0.025	0.008
UPLA	Upland	3.278	1.197	0.645	0.407	0.118	0.058	0.024	0.007
KBUR	Burbank Airport	3.299	1.277	0.698	0.439	0.135	0.067	0.028	0.008
KCNO	Chino Airport.	4.360	1.719	0.929	0.587	0.178	0.088	0.036	0.011
KCQT	USC/Downtown L.A.	3.553	1.309	0.691	0.429	0.117	0.056	0.023	0.007
KFUL	Fullerton Airport	2.898	1.094	0.589	0.371	0.112	0.056	0.023	0.007
KHHR	Hawthorne Airport	3.420	1.273	0.681	0.431	0.132	0.065	0.027	0.008
KLAX	Los Angeles Int'l Airport	4.741	1.948	1.075	0.690	0.217	0.110	0.046	0.015
KLGB	Long Beach Airport	3.632	1.481	0.812	0.519	0.161	0.081	0.035	0.011
KONT	Ontario Airport	5.151	2.137	1.184	0.757	0.238	0.120	0.051	0.016
KPSP	Palm Springs Airport	3.585	1.440	0.784	0.498	0.155	0.078	0.034	0.010
KRAL	Riverside Airport	4.384	1.777	0.978	0.625	0.189	0.095	0.041	0.013
KSMO	Santa Monica Airport	3.650	1.417	0.777	0.491	0.149	0.073	0.030	0.009
KSNA	John Wayne Int'l Airport	4.306	1.711	0.928	0.586	0.176	0.085	0.035	0.010
KTRM	Desert Hot Springs Airport	4.074	1.657	0.904	0.576	0.175	0.088	0.038	0.011
KVNY	Van Nuys Airport	3.101	1.207	0.648	0.404	0.120	0.059	0.024	0.007

Table 12.1B – Screening Tables for Gasoline Dispensing Facilities

Underground Storage Tank (UST)

Worker

MICR per One Million Gallons of Gasoline

Station Abbr.	Location	Downwind Distance (meters)							
		25	50	75	100	200	300	500	1000
AZUS	Azusa	0.251	0.090	0.048	0.030	0.008	0.004	0.002	0.000
BNAP	Banning	0.369	0.149	0.083	0.053	0.016	0.008	0.003	0.001
CELA	Central L.A.	0.217	0.076	0.040	0.025	0.007	0.004	0.002	0.000
ELSI	Lake Elsinore	0.261	0.094	0.049	0.031	0.009	0.005	0.002	0.001
FONT	Fontana	0.288	0.109	0.059	0.037	0.011	0.005	0.002	0.001
MSVJ	Mission Viejo	0.239	0.086	0.045	0.028	0.008	0.004	0.002	0.001
PERI	Perris	0.306	0.115	0.061	0.038	0.011	0.006	0.002	0.001
PICO	Pico Rivera	0.230	0.084	0.045	0.028	0.008	0.004	0.002	0.000
RDLD	Redlands	0.308	0.114	0.060	0.036	0.010	0.005	0.002	0.001
UPLA	Upland	0.270	0.099	0.053	0.034	0.010	0.005	0.002	0.001
KBUR	Burbank Airport	0.272	0.105	0.058	0.036	0.011	0.006	0.002	0.001
KCNO	Chino Airport.	0.360	0.142	0.077	0.048	0.015	0.007	0.003	0.001
KCQT	USC/Downtown L.A.	0.293	0.108	0.057	0.035	0.010	0.005	0.002	0.001
KFUL	Fullerton Airport	0.239	0.090	0.049	0.031	0.009	0.005	0.002	0.001
KHHR	Hawthorne Airport	0.282	0.105	0.056	0.036	0.011	0.005	0.002	0.001
KLAX	Los Angeles Int'l Airport	0.391	0.161	0.089	0.057	0.018	0.009	0.004	0.001
KLGB	Long Beach Airport	0.299	0.122	0.067	0.043	0.013	0.007	0.003	0.001
KONT	Ontario Airport	0.425	0.176	0.098	0.062	0.020	0.010	0.004	0.001
KPSP	Palm Springs Airport	0.296	0.119	0.065	0.041	0.013	0.006	0.003	0.001
KRAL	Riverside Airport	0.361	0.147	0.081	0.052	0.016	0.008	0.003	0.001
KSMO	Santa Monica Airport	0.301	0.117	0.064	0.041	0.012	0.006	0.002	0.001
KSNA	John Wayne Int'l Airport	0.355	0.141	0.077	0.048	0.014	0.007	0.003	0.001
KTRM	Desert Hot Springs Airport	0.336	0.137	0.075	0.048	0.014	0.007	0.003	0.001
KVNY	Van Nuys Airport	0.256	0.100	0.053	0.033	0.010	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

Station Abbr.	Location	Downwind Distance (meters)							
		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

Station Abbr.	Location	Downwind Distance (meters)							
		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	$16 \leq \text{Height} < 24$	Table 13.1	Table 13.3	P1
	$24 \leq \text{Height} < 50$	Table 13.2		P2

Table 13.1 – χ/Q for Spray Booths16 ft $\leq$ Stack Height < 24 ft*

< 12 hours

Carcinogenic, Chronic and Chronic 8-Hour
 χ/Q Values ($\mu\text{g}/\text{m}^3/[\text{ton}/\text{year}]$)

Station Abbr.	Location	Downwind Distance (meters)							
		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 Booths24 ft $\leq$ Stack Height < 50 ft

< 12 hours

Carcinogenic, Chronic and Chronic 8-Hour
 χ/Q Values ($\mu\text{g}/\text{m}^3$)/[ton/year]

Station Abbr.	Location	Downwind Distance (meters)							
		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 ($[\mu\text{g}/\text{m}^3]/[\text{lb}/\text{hr}]$)

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