

South Coast Air Quality Management District



PERMIT APPLICATION PACKAGE “L”

**For Use in Conjunction with the
RISK ASSESSMENT PROCEDURES
for Rules 1401 and 212
Version 7.0**

PERMIT APPLICATION PACKAGE “L”
used in conjunction with the
RISK ASSESSMENT PROCEDURES
FOR RULES 1401 AND 212, VERSION 7.0
EFFECTIVE FOR APPLICATIONS DEEMED COMPLETE
ON OR AFTER July 1, 2005

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Tables Effective for Applications Deemed Complete On or After July 1, 2005

Table – 1A
Screening Emission Levels

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

| Original Listing | | | Toxic Air Contaminant | CAS NO | Screening Emission Level | | | | | |
|------------------|----------|----------|---|------------|---------------------------|----------------|---------------------------|----------------|---------------------------|----------------|
| | | | | | 25 Meter | | 50 Meter | | 100 Meter | |
| Cancer | Chronic | Acute | | | Cancer / Chronic (lbs/yr) | Acute (lbs/hr) | Cancer / Chronic (lbs/yr) | Acute (lbs/hr) | Cancer / Chronic (lbs/yr) | Acute (lbs/hr) |
| 12/07/90 | 09/08/98 | 09/10/10 | Acetaldehyde | 75-07-0 | 1.14E+01 | 2.35E-01 | 2.99E+01 | 4.70E-01 | 8.92E+01 | 1.26E+00 |
| 01/08/99 | | | Acetamide | 60-35-5 | 1.63E+00 | | 4.28E+00 | | 1.27E+01 | |
| | 06/15/01 | 08/13/99 | Acrolein | 107-02-8 | 1.16E+01 | 1.25E-03 | 3.03E+01 | 2.50E-03 | 9.04E+01 | 6.69E-03 |
| 12/07/90 | | | Acrylamide (or propenamamide) | 79-06-1 | 2.54E-02 | | 6.65E-02 | | 1.98E-01 | |
| | | 08/13/99 | Acrylic acid | 79-10-7 | | 3.00E+00 | | 6.00E+00 | | 1.61E+01 |
| 12/07/90 | 05/03/02 | | Acrylonitrile (or vinyl cyanide) | 107-13-1 | 1.14E-01 | | 2.99E-01 | | 8.92E-01 | |
| 01/08/99 | | | Allyl chloride* | 107-05-1 | 5.44E+00 | | 1.43E+01 | | 4.25E+01 | |
| 01/08/99 | | | Aminoanthraquinone, 2- | 117-79-3 | 3.46E+00 | | 9.07E+00 | | 2.70E+01 | |
| | 08/18/00 | 08/13/99 | Ammonia | 7664-41-7 | 6.61E+03 | 1.60E+00 | 1.73E+04 | 3.20E+00 | 5.17E+04 | 8.57E+00 |
| | | | Ammonium sulfate* | | | | | | | |
| 01/08/99 | | | Aniline | 62-53-3 | 2.00E+01 | | 5.25E+01 | | 1.57E+02 | |
| | | | Antimony trioxide* | | | | | | | |
| 12/07/90 | 06/15/01 | 08/13/99 | Arsenic and arsenic compounds (inorganic) | 7440-38-2 | 1.99E-03 | 1.00E-04 | 5.22E-03 | 2.00E-04 | 1.55E-02 | 5.35E-04 |
| | | | Arsenic compounds (other than inorganic)* | | | | | | | |
| | 09/10/10 | 08/13/99 | Arsine | 7784-42-1 | 1.24E-02 | 1.00E-04 | 3.25E-02 | 2.00E-04 | 9.68E-02 | 5.35E-04 |
| 06/01/90 | | | Asbestos | 1332-21-4 | 5.19E-04 | | 1.36E-03 | | 4.06E-03 | |
| 06/01/90 | 08/18/00 | 08/13/99 | Benzene (including benzene from gasoline) | 71-43-2 | 1.14E+00 | 7.39E-01 | 2.99E+00 | 1.48E+00 | 8.92E+00 | 3.96E+00 |
| 12/07/90 | | | Benidine (and its salts) | 92-87-5 | 2.28E-04 | | 5.99E-04 | | 1.78E-03 | |
| 09/08/98 | | 08/13/99 | Benzyl chloride | 100-44-7 | 6.72E-01 | 1.20E-01 | 1.76E+00 | 2.40E-01 | 5.25E+00 | 6.43E-01 |
| 12/07/90 | 05/03/02 | | Beryllium (and beryllium compounds) | 7440-41-7 | 1.36E-02 | | 3.56E-02 | | 1.06E-01 | |
| 12/07/90 | | | Bis(2-chloroethyl)ether (DCEE) | 111-44-4 | 4.57E-02 | | 1.20E-01 | | 3.57E-01 | |
| 12/07/90 | | | Bis(chloromethyl)ether | 542-88-1 | 2.48E-03 | | 6.51E-03 | | 1.94E-02 | |
| 09/08/98 | | | Bis(2-ethylhexyl)phthalate (DEHP) | 117-81-7 | 2.28E+00 | | 5.97E+00 | | 1.78E+01 | |
| | | | Bromine pentafluoride* | | | | | | | |
| 12/07/90 | 06/15/01 | | Butadiene, 1,3- | 106-99-0 | 1.90E-01 | | 4.99E-01 | | 1.49E+00 | |
| 06/01/90 | 06/15/01 | | Cadmium and cadmium compounds | 7440-43-9 | 7.61E-03 | | 2.00E-02 | | 5.95E-02 | |
| | 05/03/02 | 08/13/99 | Carbon disulfide | 75-15-0 | 2.65E+04 | 3.52E+00 | 6.94E+04 | 7.04E+00 | 2.07E+05 | 1.89E+01 |
| 06/01/90 | 06/15/01 | 08/13/99 | Carbon tetrachloride (Tetrachloromethane) | 56-23-5 | 7.61E-01 | 1.08E+00 | 2.00E+00 | 2.16E+00 | 5.95E+00 | 5.78E+00 |
| | 08/18/00 | 08/13/99 | Chlorine | 7782-50-5 | 6.61E+00 | 1.05E-01 | 1.73E+01 | 2.10E-01 | 5.17E+01 | 5.62E-01 |
| | 06/15/01 | | Chlorine dioxide | 10049-04-4 | 1.98E+01 | | 5.20E+01 | | 1.55E+02 | |
| | | | Chloroacetophenone, 2-* | | | | | | | |
| | 06/15/01 | | Chlorobenzene | 108-90-7 | 3.31E+04 | | 8.67E+04 | | 2.58E+05 | |
| | | | Chlorofluorocarbons | | | | | | | |
| | | | Dichlorodifluoromethane (CFC-12)* | | | | | | | |
| | | | Trichlorofluoromethane (CFC-11)* | | | | | | | |
| | | | Trichlorotrifluoroethane (CFC-113)* | | | | | | | |
| | | | Chlorodifluoromethane (HCFC-22)* | | | | | | | |
| 01/08/99 | | | Chloro-o-phenylenediamine, 4- | 95-83-0 | 7.14E+00 | | 1.87E+01 | | 5.58E+01 | |

SCAQMD PERMIT APPLICATION PACKAGE "L"
Tables Effective for Applications Deemed Complete On or After July 1, 2005

Table – 1A (continued)
Screening Emission Levels

| Original Listing | | | Toxic Air Contaminant | CAS NO | Screening Emission Level | | | | | |
|------------------|----------|----------|--|------------|---------------------------|----------------|---------------------------|----------------|---------------------------|----------------|
| | | | | | 25 Meter | | 50 Meter | | 100 Meter | |
| Cancer | Chronic | Acute | | | Cancer / Chronic (lbs/yr) | Acute (lbs/hr) | Cancer / Chronic (lbs/yr) | Acute (lbs/hr) | Cancer / Chronic (lbs/yr) | Acute (lbs/hr) |
| 01/08/99 | | | Chloro-o-toluidine, p- | 95-69-2 | 4.23E-01 | | 1.11E+00 | | 3.30E+00 | |
| 12/07/90 | 08/18/00 | 08/13/99 | Chloroform(trichloromethane) | 67-66-3 | 6.01E+00 | 8.52E-02 | 1.58E+01 | 1.70E-01 | 4.70E+01 | 4.56E-01 |
| 09/08/98 | | | Chlorophenols | 96000 | | | | | | |
| | | | Chlorophenol, 2-* | | | | | | | |
| 09/08/98 | | | Pentachlorophenol | 87-86-5 | 6.34E+00 | | 1.66E+01 | | 4.96E+01 | |
| 12/07/90 | | | Trichlorophenol, 2,4,6- | 88-06-2 | 1.63E+00 | | 4.28E+00 | | 1.27E+01 | |
| | 05/03/02 | 08/13/99 | Chloropicrin | 76-06-2 | 1.32E+01 | 1.45E-02 | 3.47E+01 | 2.90E-02 | 1.03E+02 | 7.76E-02 |
| | | | Chloroprene* | | | | | | | |
| 06/01/90 | 06/15/01 | | Chromium, hexavalent | 18540-29-9 | 2.24E-04 | | 5.87E-04 | | 1.75E-03 | |
| | | | Barium chromate* | | | | | | | |
| | | | Calcium chromate* | | | | | | | |
| | | | Lead chromate ¹ | 7758-97-6 | 2.24E-04 | | 5.87E-04 | | 1.75E-03 | |
| | | | Sodium dichromate* | | | | | | | |
| | | | Strontium chromate* | | | | | | | |
| | 06/15/01 | | Chromic trioxide (as chromic acid mist) | 1333-82-0 | 2.24E-04 | | 5.87E-04 | | 1.75E-03 | |
| | | | Cobalt and cobalt compounds* | | | | | | | |
| | | 08/13/99 | Copper and copper compounds | 7440-50-8 | | 5.00E-02 | | 9.99E-02 | | 2.68E-01 |
| 01/08/99 | | | Cresidine, p- | 120-71-8 | 7.61E-01 | | 2.00E+00 | | 5.95E+00 | |
| | 06/15/01 | | Cresol mixtures | 1319-77-3 | 1.98E+04 | | 5.20E+04 | | 1.55E+05 | |
| | 06/15/01 | | Cresol, m- | 108-39-4 | 1.98E+04 | | 5.20E+04 | | 1.55E+05 | |
| | 06/15/01 | | Cresol, o- | 95-48-7 | 1.98E+04 | | 5.20E+04 | | 1.55E+05 | |
| | 06/15/01 | | Cresol, p- | 106-44-5 | 1.98E+04 | | 5.20E+04 | | 1.55E+05 | |
| 01/08/99 | | | Cupferron | 135-20-6 | 5.19E-01 | | 1.36E+00 | | 4.06E+00 | |
| | | | Cyanide Compounds (inorganic) | | | | | | | |
| | 08/18/00 | 08/13/99 | Hydrogen cyanide (Hydrocyanic acid) | 74-90-8 | 2.98E+02 | 1.70E-01 | 7.80E+02 | 3.40E-01 | 2.33E+03 | 9.10E-01 |
| 01/08/99 | | | Diaminoanisole, 2,4- (sulfate) | 615-05-4 | 4.96E+00 | | 1.30E+01 | | 3.88E+01 | |
| 01/08/99 | | | Diaminotoluene, 2,4- | 95-80-7 | 2.85E-02 | | 7.48E-02 | | 2.23E-01 | |
| 09/08/98 | | | Dibromo-3-chloropropane, 1,2- (DBCP) | 96-12-8 | 1.63E-02 | | 4.28E-02 | | 1.27E-01 | |
| 09/08/98 | 06/15/01 | | Dichlorobenzene, p- (or 1,4-dichlorobenzene) | 106-46-7 | 2.85E+00 | | 7.48E+00 | | 2.23E+01 | |
| 12/07/90 | | | Dichlorobenzidine, 3,3- | 91-94-1 | 9.51E-02 | | 2.49E-01 | | 7.44E-01 | |
| 01/08/99 | | | Dichloroethane, 1,1- | 75-34-3 | 2.00E+01 | | 5.25E+01 | | 1.57E+02 | |
| | 06/15/01 | | Dichloroethylene, 1,1- (or Vinylidene Chloride) | 75-35-4 | 2.31E+03 | | 6.07E+03 | | 1.81E+04 | |
| 03/07/08 | 03/07/08 | | Diesel exhaust particulates – particulates from diesel fueled internal combustion engine exhaust | 9901 | 1.20E-01 | | 3.70E-01 | | 1.39E+00 | |
| | 05/03/02 | | Diethanolamine | 111-42-2 | 9.92E+01 | | 2.60E+02 | | 7.75E+02 | |
| 01/08/99 | | | Dimethylaminoazobenzene, p- | 60-11-7 | 2.48E-02 | | 6.51E-02 | | 1.94E-01 | |
| | 06/15/01 | | Dimethylformamide (N,N-) | 68-12-2 | 2.65E+03 | | 6.94E+03 | | 2.07E+04 | |
| 12/07/90 | | | Dinitrotoluene, 2,4- | 121-14-2 | 3.68E-01 | | 9.66E-01 | | 2.88E+00 | |
| 12/07/90 | 08/20/00 | 08/13/99 | Dioxane, 1,4- | 123-91-1 | 4.23E+00 | 1.50E+00 | 1.11E+01 | 3.00E+00 | 3.30E+01 | 8.03E+00 |
| 12/07/90 | | | Diphenylhydrazine (or hydrazobenzene) | 12-2-66-7 | 1.30E-01 | | 3.42E-01 | | 1.02E+00 | |
| 12/07/90 | 06/15/01 | 08/13/99 | Epichlorohydrin(1-Chloro-2,3-epoxypropane) | 106-89-8 | 1.43E+00 | 6.50E-01 | 3.74E+00 | 1.30E+00 | 1.12E+01 | 3.48E+00 |
| | 06/15/01 | | Epoxybutane, 1,2- | 106-88-7 | 6.61E+02 | | 1.73E+03 | | 5.17E+03 | |

SCAQMD PERMIT APPLICATION PACKAGE "L"
Tables Effective for Applications Deemed Complete On or After July 1, 2005

Table – 1A (continued)
Screening Emission Levels

| Original Listing | | | Toxic Air Contaminant | CAS NO | Screening Emission Level | | | | | |
|------------------|----------|----------|--|-----------|---------------------------|----------------|---------------------------|----------------|---------------------------|----------------|
| | | | | | 25 Meter | | 50 Meter | | 100 Meter | |
| Cancer | Chronic | Acute | | | Cancer / Chronic (lbs/yr) | Acute (lbs/hr) | Cancer / Chronic (lbs/yr) | Acute (lbs/hr) | Cancer / Chronic (lbs/yr) | Acute (lbs/hr) |
| | | | Ethyl acrylate* | 140-88-5 | | | | | | |
| 06/05/09 | 08/18/00 | | Ethyl benzene | 100-41-4 | 1.31E+01 | | 3.44E+01 | | 1.02E+02 | |
| | 08/18/00 | | Ethyl chloride | 75-00-3 | 9.92E+05 | | 2.60E+06 | | 7.75E+06 | |
| | | | Ethylene* | | | | | | | |
| 06/01/90 | 05/03/02 | | Ethylene dibromide(1,2-Dibromoethane) | 106-93-4 | 4.57E-01 | | 1.20E+00 | | 3.57E+00 | |
| 06/01/90 | 06/15/01 | | Ethylene dichloride (or 1,2-dichloroethane) | 107-06-2 | 1.59E+00 | | 4.16E+00 | | 1.24E+01 | |
| 06/01/90 | 06/15/01 | | Ethylene oxide (1,2 Epoxyethane) | 75-21-8 | 3.68E-01 | | 9.66E-01 | | 2.88E+00 | |
| 01/08/99 | | | Ethylene thiourea | 96-45-7 | 2.54E+00 | | 6.65E+00 | | 1.98E+01 | |
| | 09/10/10 | | Fluorides and fluoride compounds* | 1101 | 4.30E+02 | | 1.13E+03 | | 3.36E+03 | |
| | 09/10/10 | 08/13/99 | Hydrogen fluoride (hydrofluoric acid) | 7664-39-3 | 4.63+02 | 1.20E-01 | 1.21E+03 | 2.40E-01 | 3.62E+03 | 6.43E-01 |
| 12/07/90 | 08/18/00 | 08/13/99 | Formaldehyde | 50-00-0 | 5.44E+00 | 2.75E-02 | 1.43E+01 | 5.50E-02 | 4.25E+01 | 1.47E-01 |
| | | | Gasoline vapors* | | | | | | | |
| | 06/15/01 | | Glutaraldehyde | 111-30-8 | 2.65E+00 | | 6.94E+00 | | 2.07E+01 | |
| | | | Glycol ethers (and their acetates) | | | | | | | |
| | 08/18/00 | | Ethylene glycol | 107-21-1 | 1.32E+04 | | 3.47E+04 | | 1.03E+05 | |
| | 08/18/00 | 02/10/99 | Ethylene glycol ethyl ether (EGEE) | 110-80-5 | 2.31E+03 | 2.10E-01 | 6.07E+03 | 4.20E-01 | 1.81E+04 | 1.13E+00 |
| | | 08/13/99 | Ethylene glycol monobutyl ether | 111-76-2 | | 7.00E+00 | | 1.40E+01 | | 3.75E+01 |
| | 08/18/00 | 08/13/99 | Ethylene glycol monoethyl ether acetate (EGEEA) | 111-15-9 | 9.92E+03 | 7.95E-02 | 2.60E+04 | 1.59E-01 | 7.75E+04 | 4.26E-01 |
| | 08/18/00 | 08/13/99 | Ethylene glycol monomethyl ether (EGME) | 109-86-4 | 1.98E+03 | 5.28E-02 | 5.20E+03 | 1.06E-01 | 1.55E+04 | 2.83E-01 |
| | 08/18/00 | | Ethylene glycol monomethyl ether acetate | 110-49-6 | 2.98E+03 | | 7.80E+03 | | 2.33E+04 | |
| | | | Hexachlorobutadiene* | | | | | | | |
| | | | Hexachlorocyclopentadiene* | | | | | | | |
| 12/07/90 | | | Hexachlorobenzene | 118-74-1 | 6.34E-02 | | 1.66E-01 | | 4.96E-01 | |
| 12/07/90 | | | Hexachlorocyclohexanes: | | | | | | | |
| 12/07/90 | | | Hexachlorocyclohexane (technical grade) | 608-73-1 | 4.76E-03 | | 1.25E-02 | | 3.72E-02 | |
| 09/08/98 | | | Hexachlorocyclohexane, gamma-(lindane) | 58-89-9 | 1.73E-02 | | 4.54E-02 | | 1.35E-01 | |
| | | | Hexachloroethane* | | | | | | | |
| | | | Hexamethylene-1,6-diisocyanate* | | | | | | | |
| | 08/18/00 | | Hexane (n-) | 110-54-3 | 2.31E+05 | | 6.07E+05 | | 1.81E+06 | |
| 09/08/98 | 06/15/01 | | Hydrazine | 302-01-2 | 6.72E-03 | | 1.76E-02 | | 5.25E-02 | |
| | | | Hydrogen bromide* | | | | | | | |
| | 08/18/00 | 08/13/99 | Hydrogen chloride (hydrochloric acid) | 7647-01-0 | 2.98E+02 | 1.05E+00 | 7.80E+02 | 2.10E+00 | 2.33E+03 | 5.62E+00 |
| | 08/18/00 | 02/10/99 | Hydrogen sulfide | 7783-06-4 | 3.31E+02 | 2.10E-02 | 8.67E+02 | 4.20E-02 | 2.58E+03 | 1.12E-01 |
| | 05/03/02 | | Isophorone | 78-59-1 | 6.61E+04 | | 1.73E+05 | | 5.17E+05 | |
| | 08/18/00 | 08/13/99 | Isopropyl alcohol | 67-63-0 | 2.31E+05 | 1.60E+00 | 6.07E+05 | 3.20E+00 | 1.81E+06 | 8.57E+00 |
| 09/08/98 | | | Lead and lead compounds (inorganic, including elemental lead), including but not limited to: | 7439-92-1 | 6.48E-01 | | 1.70E+00 | | 5.07E+00 | |
| 09/08/98 | | | Lead compounds, inorganic | 1128 | 6.48E-01 | | 1.70E+00 | | 5.07E+00 | |
| 09/08/98 | | | Lead compounds (other than inorganic) | 1129 | | | | | | |
| 09/08/98 | | | Lead acetate | 301-04-2 | 6.51E-01 | | 1.71E+00 | | 5.09E+00 | |

SCAQMD PERMIT APPLICATION PACKAGE "L"
Tables Effective for Applications Deemed Complete On or After July 1, 2005

Table – 1A (continued)
Screening Emission Levels

| Original Listing | | | Toxic Air Contaminant | CAS NO | Screening Emission Level | | | | | |
|------------------|----------|----------|---|-------------|---------------------------|----------------|---------------------------|----------------|---------------------------|----------------|
| | | | | | 25 Meter | | 50 Meter | | 100 Meter | |
| Cancer | Chronic | Acute | | | Cancer / Chronic (lbs/yr) | Acute (lbs/hr) | Cancer / Chronic (lbs/yr) | Acute (lbs/hr) | Cancer / Chronic (lbs/yr) | Acute (lbs/hr) |
| 09/08/98 | | | Lead phosphate | 7446-27-7 | 6.48E-01 | | 1.70E+00 | | 5.07E+00 | |
| 09/08/98 | | | Lead subacetate | 1335-32-6 | 6.48E-01 | | 1.70E+00 | | 5.06E+00 | |
| | 05/03/02 | | Maleic anhydride | 108-31-6 | 2.31E+01 | | 6.07E+01 | | 1.81E+02 | |
| | 08/18/00 | | Manganese and manganese compounds | 7439-96-5 | 2.98E+00 | | 7.80E+00 | | 2.33E+01 | |
| | 08/18/00 | 08/13/99 | Mercury and mercury compounds (inorganic) | 7439-97-6 | 1.49E-01 | 3.00E-04 | 3.91E-01 | 6.00E-04 | 1.16E+00 | 1.61E-03 |
| | 08/18/00 | 08/13/99 | Mercuric chloride | 7487-94-7 | 1.49E-01 | 3.00E-04 | 3.91E-01 | 6.00E-04 | 1.16E+00 | 1.61E-03 |
| | | | Methyl mercury | 593-74-8 | 3.31E+01 | | 8.67E+01 | | 2.58E+02 | |
| | 08/18/00 | 08/13/99 | Methanol (methyl alcohol) | 67-56-1 | 1.32E+05 | 1.40E+01 | 3.47E+05 | 2.80E+01 | 1.03E+06 | 7.50E+01 |
| | 08/18/00 | 08/13/99 | Methyl bromide (Bromomethane) | 74-83-9 | 1.65E+02 | 1.95E+00 | 4.33E+02 | 3.90E+00 | 1.29E+03 | 1.04E+01 |
| | 08/18/00 | 08/13/99 | Methyl chloroform (1,1,1 Trichloroethane (TCA)) | 71-55-6 | 3.31E+04 | 3.40E+01 | 8.67E+04 | 6.80E+01 | 2.58E+05 | 1.82E+02 |
| | | 08/13/99 | Methyl ethyl ketone | 78-93-3 | | 6.50E+00 | | 1.30E+01 | | 3.48E+01 |
| | | | Methyl methacrylate* | | | | | | | |
| | 05/03/02 | | Methyl isocyanate | 624-83-9 | 3.31E+01 | | 8.67E+01 | | 2.58E+02 | |
| 01/08/99 | | | Methylene bis(2-chloroaniline), 4,4-(MOCA) | 101-14-4 | 7.61E-02 | | 2.00E-01 | | 5.95E-01 | |
| 06/01/90 | 08/18/00 | 08/13/99 | Methylene chloride(Dichloromethane) | 75-09-2 | 3.26E+01 | 7.00E+00 | 8.55E+01 | 1.40E+01 | 2.55E+02 | 3.75E+01 |
| 09/08/98 | 05/03/02 | | Methylene dianiline, 4,4'- (and its dichloride) | 101-77-9 | 1.21E-02 | | 3.17E-02 | | 9.45E-02 | |
| | 06/15/01 | | Methylene phenyl diisocyanate | 101-68-8 | 2.31E+01 | | 6.07E+01 | | 1.81E+02 | |
| 05/02/03 | 08/18/00 | | Methyl tertiary-butyl ether | 1634-04-4 | 6.34E+01 | | 1.66E+02 | | 4.96E+02 | |
| 01/08/99 | | | Michler's ketone | 90-94-8 | 1.33E-01 | | 3.48E-01 | | 1.04E+00 | |
| | | | Mineral fibers(other than man-made)* | 1135 | | | | | | |
| 03/12/99 | 08/18/00 | 08/13/99 | Nickel & nickel compounds (except nickel oxide): | 7440-02-0 | 1.25E-01 | 1.00E-04 | 3.29E-01 | 2.00E-04 | 9.79E-01 | 5.35E-04 |
| 03/12/99 | 08/18/00 | 08/13/99 | Nickel acetate | 373-02-4 | 1.25E-01 | 1.00E-04 | 3.29E-01 | 2.00E-04 | 9.79E-01 | 5.35E-04 |
| 03/12/99 | 08/18/00 | 08/13/99 | Nickel carbonate | 3333-67-3 | 1.25E-01 | 1.00E-04 | 3.29E-01 | 2.00E-04 | 9.79E-01 | 5.35E-04 |
| 03/12/99 | 08/18/00 | 08/13/99 | Nickel carbonyl | 13463-39-3 | 1.25E-01 | 1.00E-04 | 3.29E-01 | 2.00E-04 | 9.79E-01 | 5.35E-04 |
| 03/12/99 | 08/18/00 | 08/13/99 | Nickel hydroxide | 12054-48-7 | 1.25E-01 | 1.00E-04 | 3.29E-01 | 2.00E-04 | 9.79E-01 | 5.35E-04 |
| 03/12/99 | 08/18/00 | 08/13/99 | Nickelocene | 1271-28-9 | 1.25E-01 | 1.00E-04 | 3.29E-01 | 2.00E-04 | 9.79E-01 | 5.35E-04 |
| 03/12/99 | 08/18/00 | 08/13/99 | Nickel oxide | 1313-99-1 | 1.25E-01 | 1.00E-04 | 3.29E-01 | 2.00E-04 | 9.79E-01 | 5.35E-04 |
| 12/07/90 | 08/18/00 | 08/13/99 | Nickel refinery dust (from the pyrometallurgical process) | 1146 | 1.25E-01 | 1.00E-04 | 3.29E-01 | 2.00E-04 | 9.79E-01 | 5.35E-04 |
| 12/07/90 | 08/18/00 | 08/13/99 | Nickel subsulfide | 120-35-72-2 | 1.25E-01 | 1.00E-04 | 3.29E-01 | 2.00E-04 | 9.79E-01 | 5.35E-04 |
| | | 08/13/99 | Nitric acid | 7697-37-2 | | 4.30E-02 | | 8.59E-02 | | 2.30E-01 |
| | | | Nitrobenzene* | | | | | | | |
| | | | Nitropropane, 2-* | | | | | | | |
| 12/07/90 | | | Nitroso- compounds: | | | | | | | |
| 12/07/90 | | | Nitroso-n-ethylurea, n- | 759-73-9 | 4.23E-03 | | 1.11E-02 | | 3.30E-02 | |
| 12/07/90 | | | Nitroso-n-methylurea, n- | 684-93-5 | 9.59E-04 | | 2.52E-03 | | 7.50E-03 | |
| 12/07/90 | | | Nitrosodi-n-butylamine, n- | 924-16-3 | 1.04E-02 | | 2.72E-02 | | 8.11E-02 | |
| 12/07/90 | | | Nitrosodiethylamine, n- | 55-18-5 | 3.17E-03 | | 8.32E-03 | | 2.48E-02 | |
| 12/07/90 | | | Nitrosodimethylamine, n- | 62-75-9 | 7.14E-03 | | 1.87E-02 | | 5.58E-02 | |
| 12/07/90 | | | Nitrosodiphenylamine, n- | 86-30-6 | 1.27E+01 | | 3.33E+01 | | 9.91E+01 | |
| 09/08/98 | | | Nitrosodiphenylamine, p- | 156-10-5 | 5.19E+00 | | 1.36E+01 | | 4.06E+01 | |

SCAQMD PERMIT APPLICATION PACKAGE "L"
Tables Effective for Applications Deemed Complete On or After July 1, 2005

Table – 1A (continued)
Screening Emission Levels

| Original Listing | | | Toxic Air Contaminant | CAS NO | Screening Emission Level | | | | | |
|------------------|----------|----------|--|-------------|---------------------------|----------------|---------------------------|----------------|---------------------------|----------------|
| | | | | | 25 Meter | | 50 Meter | | 100 Meter | |
| Cancer | Chronic | Acute | | | Cancer / Chronic (lbs/yr) | Acute (lbs/hr) | Cancer / Chronic (lbs/yr) | Acute (lbs/hr) | Cancer / Chronic (lbs/yr) | Acute (lbs/hr) |
| 09/08/98 | | | Nitrosodi-n-propylamine, n- | 621-64-7 | 1.63E-02 | | 4.28E-02 | | 1.27E-01 | |
| 09/08/98 | | | Nitrosomethylethylamine, n- | 10595-95-6 | 5.19E-03 | | 1.36E-02 | | 4.06E-02 | |
| 01/08/99 | | | Nitrosomorpholine, n- | 59-89-2 | 1.70E-02 | | 4.47E-02 | | 1.33E-01 | |
| 01/08/99 | | | Nitrosopiperidine, n- | 100-75-4 | 1.21E-02 | | 3.18E-02 | | 9.49E-02 | |
| 12/07/90 | | | Nitrosopyrrolidine, n- | 930-55-2 | 5.44E-02 | | 1.43E-01 | | 4.25E-01 | |
| 01/08/99 | | | Paraffins, chlorinated (average chain length, c12; approx. 60% Cl by weight) | 108171-26-2 | 1.28E+00 | | 3.36E+00 | | 1.00E+01 | |
| 09/08/98 | 09/08/98 | 08/13/99 | Perchloroethylene (or tetrachloroethylene) | 127-18-4 | 5.44E+00 | 1.00E+01 | 1.43E+01 | 2.00E+01 | 4.25E+01 | 5.35E+01 |
| | 08/18/00 | 08/13/99 | Phenol | 108-95-2 | 6.61E+03 | 2.90E+00 | 1.73E+04 | 5.80E+00 | 5.17E+04 | 1.55E+01 |
| | | 08/13/99 | Phosgene | 75-44-5 | | 2.00E-03 | | 4.00E-03 | | 1.07E-02 |
| | | | Phosphorus and phosphorus compounds* | | | | | | | |
| | 02/07/03 | | Phosphine | 7803-51-2 | 2.65E+01 | | 6.94E+01 | | 2.07E+02 | |
| | 08/18/00 | | Phosphoric acid | 7664-38-2 | 2.31E+02 | | 6.07E+02 | | 1.81E+03 | |
| | 06/15/01 | | Phthalic anhydride | 85-44-9 | 6.61E+02 | | 1.73E+03 | | 5.17E+03 | |
| 09/08/98 | | | Polycyclic Aromatic Hydrocarbon (PAHs) | 1151 | 9.84E-04 | | 2.58E-03 | | 7.69E-03 | |
| 12/07/90 | | | Benz[a]anthracene | 56-55-3 | 9.84E-03 | | 2.58E-02 | | 7.69E-02 | |
| 12/07/90 | | | Benzo[a]pyrene | 50-32-8 | 9.84E-04 | | 2.58E-03 | | 7.69E-03 | |
| 12/07/90 | | | Benzo[b]fluoranthene | 205-99-2 | 9.84E-03 | | 2.58E-02 | | 7.69E-02 | |
| 01/08/99 | | | Benzo[j]fluoranthene | 205-82-3 | 9.84E-03 | | 2.58E-02 | | 7.69E-02 | |
| 12/07/90 | | | Benzo[k]fluoranthene | 207-08-9 | 9.84E-03 | | 2.58E-02 | | 7.69E-02 | |
| 12/07/90 | | | Chrysene | 218-01-9 | 9.84E-02 | | 2.58E-01 | | 7.69E-01 | |
| 01/08/99 | | | Dibenz[a,h]acridine | 226-36-8 | 9.84E-03 | | 2.58E-02 | | 7.69E-02 | |
| 12/07/90 | | | Dibenz[a,h]anthracene | 53-70-3 | 2.71E-03 | | 7.11E-03 | | 2.12E-02 | |
| 01/08/99 | | | Dibenz[a,j]acridine | 224-42-0 | 9.84E-03 | | 2.58E-02 | | 7.69E-02 | |
| 01/08/99 | | | Dibenzo[a,e]pyrene | 192-65-4 | 9.84E-04 | | 2.58E-03 | | 7.69E-03 | |
| 01/08/99 | | | Dibenzo[a,h]pyrene | 189-64-0 | 9.84E-05 | | 2.58E-04 | | 7.69E-04 | |
| 01/08/99 | | | Dibenzo[a,i]pyrene | 189-55-9 | 9.84E-05 | | 2.58E-04 | | 7.69E-04 | |
| 01/08/99 | | | Dibenzo[a,l]pyrene | 191-30-0 | 9.84E-05 | | 2.58E-04 | | 7.69E-04 | |
| 01/08/99 | | | Dibenzo[c,g]carbazole, 7H- | 194-59-2 | 9.84E-04 | | 2.58E-03 | | 7.69E-03 | |
| 01/08/99 | | | Dimethylbenz[a]anthracene, 7,12- | 57-97-6 | 4.45E-05 | | 1.17E-04 | | 3.48E-04 | |
| 01/08/99 | | | Dinitropyrene, 1,6- | 42397-64-8 | 9.84E-05 | | 2.58E-04 | | 7.69E-04 | |
| 01/08/99 | | | Dinitropyrene, 1,8- | 42397-65-9 | 9.84E-04 | | 2.58E-03 | | 7.69E-03 | |
| 12/07/90 | | | Indeno(1,2,3-C,D)pyrene | 193-39-5 | 9.84E-03 | | 2.58E-02 | | 7.69E-02 | |
| 01/08/99 | | | Methylcholanthrene, 3- | 56-49-5 | 5.06E-04 | | 1.33E-03 | | 3.95E-03 | |
| 01/08/99 | | | Methylchrysene, 5- | 3697-24-3 | 9.84E-04 | | 2.58E-03 | | 7.69E-03 | |
| 08/02/04 | 08/18/00 | | Napthalene | 91-20-3 | 9.51E-01 | | 2.49E+00 | | 7.44E+00 | |
| 01/08/99 | | | Nitroacenaphthene, 5- | 602-87-9 | 8.55E-02 | | 2.24E-01 | | 6.68E-01 | |
| 01/08/99 | | | Nitrochrysene, 6- | 7496-02-8 | 9.84E-05 | | 2.58E-04 | | 7.69E-04 | |
| 01/08/99 | | | Nitrofluorene, 2- | 607-57-8 | 9.84E-02 | | 2.58E-01 | | 7.69E-01 | |
| 01/08/99 | | | Nitropyrene, 1- | 5522-43-0 | 9.84E-03 | | 2.58E-02 | | 7.69E-02 | |
| 01/08/99 | | | Nitropyrene, 4- | 57835-92-4 | 9.84E-03 | | 2.58E-02 | | 7.69E-02 | |
| 12/07/90 | | | Polychlorinated biphenyls (PCBs) | 1336-36-3 | 3.74E-03 | | 9.80E-03 | | 2.92E-02 | |

SCAQMD PERMIT APPLICATION PACKAGE "L"
Tables Effective for Applications Deemed Complete On or After July 1, 2005

Table – 1A (continued)
Screening Emission Levels

| Original Listing | | | Toxic Air Contaminant | CAS NO | Screening Emission Level | | | | | |
|------------------|----------|-------|--|--------------|---------------------------|----------------|---------------------------|----------------|---------------------------|----------------|
| | | | | | 25 Meter | | 50 Meter | | 100 Meter | |
| Cancer | Chronic | Acute | | | Cancer / Chronic (lbs/yr) | Acute (lbs/hr) | Cancer / Chronic (lbs/yr) | Acute (lbs/hr) | Cancer / Chronic (lbs/yr) | Acute (lbs/hr) |
| | | | Polychlorinated biphenyls, Speciated (PCBs) | | | | | | | |
| 08/29/03 | 08/29/03 | | Tetrachlorobiphenyl, 3,3',4,4'- (PCB 77) | 32598-13-3 | 5.75E-04 | | 1.51E-03 | | 4.49E-03 | |
| 08/29/03 | 08/29/03 | | Tetrachlorobiphenyl, 3,4,4',5- (PCB 81) | 70362-50-4 | 1.92E-04 | | 5.03E-04 | | 1.50E-03 | |
| 08/29/03 | 08/29/03 | | Pentachlorobiphenyl, 2,3,3',4,4'- (PCB 105) | 32598-14-4 | 1.92E-03 | | 5.03E-03 | | 1.50E-02 | |
| 08/29/03 | 08/29/03 | | Pentachlorobiphenyl, 2,3,4,4',5- (PCB 114) | 74472-37-0 | 1.92E-03 | | 5.03E-03 | | 1.50E-02 | |
| 08/29/03 | 08/29/03 | | Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118) | 31508-00-6 | 1.92E-03 | | 5.03E-03 | | 1.50E-02 | |
| 08/29/03 | 08/29/03 | | Pentachlorobiphenyl, 2,3',4,4',5'- (PCB 123) | 65510-44-3 | 1.92E-03 | | 5.03E-03 | | 1.50E-02 | |
| 08/29/03 | 08/29/03 | | Pentachlorobiphenyl, 3,3',4,4',5- (PCB 126) | 57465-28-8 | 5.75E-07 | | 1.51E-06 | | 4.49E-06 | |
| 08/29/03 | 08/29/03 | | Hexachlorobiphenyl, 2,3,3',4,4',5- (PCB 156) | 38380-08-4 | 1.92E-03 | | 5.03E-03 | | 1.50E-02 | |
| 08/29/03 | 08/29/03 | | Hexachlorobiphenyl, 2,3,3',4,4',5'- (PCB 157) | 69782-90-7 | 1.92E-03 | | 5.03E-03 | | 1.50E-02 | |
| 08/29/03 | 08/29/03 | | Hexachlorobiphenyl, 2,3',4,4',5,5'- (PCB 167) | 52663-72-6 | 1.92E-03 | | 5.03E-03 | | 1.50E-02 | |
| 08/29/03 | 08/29/03 | | Hexachlorobiphenyl, 3,3',4,4',5,5'- (PCB 169) | 32774-16-6 | 1.92E-06 | | 5.03E-06 | | 1.50E-05 | |
| 08/29/03 | 08/29/03 | | Heptachlorobiphenyl, 2,3,3',4,4',5,5'- (PCB 189) | 39635-31-9 | 1.92E-03 | | 5.03E-03 | | 1.50E-02 | |
| 06/01/90 | 08/18/00 | | Polychlorinated Dibenzo-p-Dioxins (PCDD) (as 2,3,7,8-Eqiv) and total | 1085 1086 | 9.00E-08 | | 2.36E-07 | | 7.03E-07 | |
| 06/01/90 | 08/18/00 | | Tetrachlorodibenzo-p-dioxin, 2,3,7,8- | 1746-01-6 | 9.00E-08 | | 2.36E-07 | | 7.03E-07 | |
| 06/01/90 | 08/18/00 | | Pentachlorodibenzo-p-dioxin, 1,2,3,7,8- | 40321-76-4 | 9.00E-08 | | 2.36E-07 | | 7.03E-07 | |
| 06/01/90 | 08/18/00 | | Hexachlorodibenzo-p-dioxin, 1,2,3,4,7,8- | 39227-28-6 | 9.00E-07 | | 2.36E-06 | | 7.03E-06 | |
| 06/01/90 | 08/18/00 | | Hexachlorodibenzo-p-dioxin, 1,2,3,6,7,8- | 57653-85-7 | 9.00E-07 | | 2.36E-06 | | 7.03E-06 | |
| 06/01/90 | 08/18/00 | | Hexachlorodibenzo-p-dioxin, 1,2,3,7,8,9- | 19408-74-3 | 9.00E-07 | | 2.36E-06 | | 7.03E-06 | |
| 06/01/90 | 08/18/00 | | Heptachlorodibenzo-p-dioxin, 1,2,3,4,6,7,8- | 35822-46-9 | 9.00E-06 | | 2.36E-05 | | 7.03E-05 | |
| 06/01/90 | 08/18/00 | | Octachlorodibenzo-p-dioxin, 1,2,3,4,6,7,8,9- | 3268-87-9 | 3.00E-04 | | 7.88E-04 | | 2.35E-03 | |
| 06/01/90 | 08/18/00 | | Polychlorinated Dibenzofurans (PCDF) (as 2,3,7,8-Eqiv) and total | 1080 | 9.00E-08 | | 2.36E-07 | | 7.03E-07 | |
| 06/01/90 | 08/18/00 | | Tetrachlorodibenzofuran, 2,3,7,8- | 51207-31-9 | 9.00E-07 | | 2.36E-06 | | 7.03E-06 | |
| 06/01/90 | 08/18/00 | | Pentachlorodibenzofuran, 1,2,3,7,8- | 57117-41-6 | 3.00E-06 | | 7.88E-06 | | 2.35E-05 | |
| 06/01/90 | 08/18/00 | | Pentachlorodibenzofuran, 2,3,4,7,8- | 57117-31-4 | 3.00E-07 | | 7.88E-07 | | 2.35E-06 | |
| 06/01/90 | 08/18/00 | | Hexachlorodibenzofuran, 1,2,3,4,7,8- | 70648-26-9 | 9.00E-07 | | 2.36E-06 | | 7.03E-06 | |
| 06/01/90 | 08/18/00 | | Hexachlorodibenzofuran, 1,2,3,6,7,8- | 57117-44-9 | 9.00E-07 | | 2.36E-06 | | 7.03E-06 | |
| 06/01/90 | 08/18/00 | | Hexachlorodibenzofuran, 1,2,3,7,8,9- | 72918-21-9 | 9.00E-07 | | 2.36E-06 | | 7.03E-06 | |
| 06/01/90 | 08/18/00 | | Hexachlorodibenzofuran, 2,3,4,6,7,8- | 60851-34-5 | 9.00E-07 | | 2.36E-06 | | 7.03E-06 | |
| 06/01/90 | 08/18/00 | | Heptachlorodibenzofuran, 1,2,3,4,6,7,8- | 67562-39-4 | 9.00E-06 | | 2.36E-05 | | 7.03E-05 | |

SCAQMD PERMIT APPLICATION PACKAGE "L"
Tables Effective for Applications Deemed Complete On or After July 1, 2005

Table – 1A (continued)
Screening Emission Levels

| Original Listing | | | Toxic Air Contaminant | CAS NO | Screening Emission Level | | | | | |
|------------------|----------|----------|---|------------|---------------------------|----------------|---------------------------|----------------|---------------------------|----------------|
| | | | | | 25 Meter | | 50 Meter | | 100 Meter | |
| Cancer | Chronic | Acute | | | Cancer / Chronic (lbs/yr) | Acute (lbs/hr) | Cancer / Chronic (lbs/yr) | Acute (lbs/hr) | Cancer / Chronic (lbs/yr) | Acute (lbs/hr) |
| 06/01/90 | 08/18/00 | | Heptachlorodibenzofuran, 1,2,3,4,7,8,9- | 55673-89-7 | 9.00E-06 | | 2.36E-05 | | 7.03E-05 | |
| 06/01/90 | 08/18/00 | | Octachlorodibenzofuran, 1,2,3,4,6,7,8,9- | 39001-02-0 | 3.00E-04 | | 7.88E-04 | | 2.35E-03 | |
| 01/08/99 | | | Potassium bromate | 7758-01-2 | 2.33E-01 | | 6.11E-01 | | 1.82E+00 | |
| 01/08/99 | | | Propane sultone, 1,3- | 1120-71-4 | 4.76E-02 | | 1.25E-01 | | 3.72E-01 | |
| | 08/18/00 | | Propylene | 115-07-1 | 9.92E+04 | | 2.60E+05 | | 7.75E+05 | |
| | 08/18/00 | | Propylene glycol monomethyl ether | 107-98-2 | 2.31E+05 | | 6.07E+05 | | 1.81E+06 | |
| 09/08/98 | 02/23/00 | 08/13/99 | Propylene oxide (or 1,2-epoxy propane) | 75-56-9 | 8.78E+00 | 1.55E+00 | 2.30E+01 | 3.10E+00 | 6.86E+01 | 8.30E+00 |
| | 05/03/02 | | Selenium and selenium compounds, other than hydrogen selenide | 7782-49-2 | 6.61E+02 | | 1.73E+03 | | 5.17E+03 | |
| | | 08/13/99 | Hydrogen selenide | 7783-07-5 | | 2.50E-03 | | 5.00E-03 | | 1.34E-02 |
| | | | Silica, Crystalline* | | | | | | | |
| | | | Silver and silver compounds* | | | | | | | |
| | | 08/13/99 | Sodium hydroxide | 1310-73-2 | | 4.00E-03 | | 8.00E-03 | | 2.14E-02 |
| | 08/18/00 | 08/13/99 | Styrene (vinyl benzene) | 100-42-5 | 2.98E+04 | 1.05E+01 | 7.80E+04 | 2.10E+01 | 2.33E+05 | 5.62E+01 |
| | | | Styrene oxide* | | | | | | | |
| | 05/03/02 | 08/13/99 | Sulfuric acid and oleum | 7664-93-9 | 3.31E+01 | 6.00E-02 | 8.67E+01 | 1.20E-01 | 2.58E+02 | 3.21E-01 |
| | | | Sulfuric acid* | | | | | | | |
| | | | Sulfur trioxide* | | | | | | | |
| | | | Oleum* | | | | | | | |
| 01/08/99 | | | Tetrachloroethane 1,1,2,2- | 79-34-5 | 5.71E-01 | | 1.50E+00 | | 4.46E+00 | |
| 01/08/99 | | | Thioacetamide | 62-55-5 | 1.87E-02 | | 4.91E-02 | | 1.46E-01 | |
| | 08/18/00 | 08/13/99 | Toluene (methyl benzene) | 108-88-3 | 9.92E+03 | 1.85E+01 | 2.60E+04 | 3.70E+01 | 7.75E+04 | 9.91E+01 |
| 09/08/98 | | | Toluene diisocyanates | | | | | | | |
| 09/08/98 | 06/15/01 | | Toluene-2,4-diisocyanate | 584-84-9 | 2.31E+00 | | 6.07E+00 | | 1.81E+01 | |
| 09/08/98 | 06/15/01 | | Toluene-2,6-diisocyanate | 91-08-7 | 2.31E+00 | | 6.07E+00 | | 1.81E+01 | |
| 01/08/99 | | | Trichloroethane, 1,1,2- | 79-00-5 | 2.00E+00 | | 5.25E+00 | | 1.57E+01 | |
| 12/07/90 | 08/18/00 | | Trichloroethylene | 79-01-6 | 1.63E+01 | | 4.28E+01 | | 1.27E+02 | |
| | 02/07/03 | 08/13/99 | Triethylamine | 121-44-8 | 6.61E+03 | 1.40E+00 | 1.73E+04 | 2.80E+00 | 5.17E+04 | 7.50E+00 |
| 09/08/98 | | | Urethane (or ethyl carbamate) | 51-79-6 | 1.14E-01 | | 2.99E-01 | | 8.92E-01 | |
| | | | Vanadium Compounds | | | | | | | |
| | | | Vanadium (fume or dust)* | | | | | | | |
| | | 08/13/99 | Vanadium pentoxide | 1314-62-1 | | 1.50E-02 | | 3.00E-02 | | 8.03E-02 |
| | 05/03/02 | | Vinyl acetate | 108-05-4 | 6.61E+03 | | 1.73E+04 | | 5.17E+04 | |
| | | | Vinyl bromide* | | | | | | | |
| 12/07/90 | | 08/13/99 | Vinyl chloride (chloroethylene) | 75-01-4 | 4.23E-01 | 9.00E+01 | 1.11E+00 | 1.80E+02 | 3.30E+00 | 4.82E+02 |
| | | | Vinylidene chloride*(1,1-Dichloroethylene) | | | | | | | |
| | 08/18/00 | 08/13/99 | Xylenes (isomers and mixtures) | 1330-20-7 | 2.31E+04 | 1.10E+01 | 6.07E+04 | 2.20E+01 | 1.81E+05 | 5.89E+01 |
| | 08/18/00 | 08/13/99 | Xylene, m- | 108-38-3 | 2.31E+04 | 1.10E+01 | 6.07E+04 | 2.20E+01 | 1.81E+05 | 5.89E+01 |
| | 08/18/00 | 08/13/99 | Xylene, o- | 95-47-6 | 2.31E+04 | 1.10E+01 | 6.07E+04 | 2.20E+01 | 1.81E+05 | 5.89E+01 |
| | 08/18/00 | 08/13/99 | Xylene, p- | 106-42-3 | 2.31E+04 | 1.10E+01 | 6.07E+04 | 2.20E+01 | 1.81E+05 | 5.89E+01 |
| | | | Zinc and zinc compounds* | | | | | | | |
| | | | Zinc oxide* | | | | | | | |

Table – 1A (continued)
Screening Emission Levels

* The compound has proposed risk values either for cancer or non-cancer that once approved their respective screening levels will be added later.

¹For metal compounds, use the corresponding risk values from Table 8A and apply the metal fractions in the substances.

Example 1: For Nickel Acetate, use the corresponding risk value for nickel from Table 8A and apply nickel fraction in the substance.

$$\text{Nickel} = (59 \text{ lb of Ni} / 249 \text{ lb of Ni}(\text{OOCCH}_3)_2 \cdot 4\text{HOH}) \times 100 = 23.7\%$$

Example 2: For Lead Chromate, use the corresponding risk values for Lead and Chromium from Table 8 and apply metal equivalents for each metal:

$$\text{Lead} = (207 \text{ lb Pb} / 323 \text{ lb PbCrO}_4) \times 100 = 64.1\%$$

$$\text{Chromium (hexavalent)} = (52 \text{ lb Cr} / 323 \text{ lb PbCrO}_4) \times 100 = 16.1\%$$

SCAQMD PERMIT APPLICATION PACKAGE “L”
Tables Effective for Applications Deemed Complete On or After July 1, 2005

Table – 1B
DRY CLEANING LOOK-UP TABLE (residential receptor)
(gallons per month, includes disposal losses adjusted for meteorological station)

Assumptions:

- *The screening levels below represent a cancer risk of less than 10-in-one-million*
- *Building Dimensions - 40 ft x 40 ft x 15 ft (height). General Ventilation with 60% captures efficiency.*
- *A dry cleaning machine with primary and secondary controls.*
- *50 percent of the perc usage is assumed to be emitted. Usage includes perc lost through sludge and filter disposal.*
- *Operating hours are 8 hours per day, 5 days per week; 52 weeks per year.*

For any change in above conditions, e.g., bigger building, no fan or vent, greater perc loss through sludge and filter disposal, the applicant is entitled to proceed to Tier 4 (refined risk assessment).

| Location | Usage (gallons per month) | | | | | | | |
|------------------|---------------------------|------|-------|-------|-------|-------|-------|-------|
| | 25 m | 50 m | 100 m | 150 m | 200 m | 300 m | 400 m | 500 m |
| Anaheim | 1.1 | 3.2 | 11.3 | 24.8 | 43.7 | 98.0 | 174.3 | 273.1 |
| Azusa | 1.2 | 3.5 | 12.3 | 26.9 | 47.3 | 105.8 | 187.8 | 293.6 |
| Banning | 2.0 | 5.2 | 18.1 | 39.3 | 68.8 | 152.3 | 267.2 | 413.2 |
| Burbank | 1.6 | 4.6 | 16.5 | 36.1 | 63.5 | 141.7 | 251.3 | 392.2 |
| Canoga Park | 1.4 | 4.0 | 14.4 | 31.7 | 56.0 | 126.2 | 225.6 | 354.8 |
| Compton | 1.7 | 4.4 | 15.0 | 32.5 | 56.7 | 124.9 | 219.3 | 339.1 |
| Costa Mesa | 1.4 | 3.8 | 13.7 | 30.0 | 52.8 | 118.3 | 210.6 | 329.9 |
| Downtown LA | 2.1 | 5.4 | 18.7 | 40.5 | 70.7 | 156.3 | 275.1 | 426.5 |
| El Toro | 1.4 | 4.1 | 14.8 | 32.6 | 57.7 | 129.6 | 231.4 | 363.5 |
| Fontana | 1.3 | 3.5 | 12.3 | 26.8 | 47.1 | 105.1 | 186.3 | 290.7 |
| Indio | 1.4 | 3.9 | 13.6 | 29.7 | 52.2 | 116.3 | 205.8 | 320.7 |
| King Harbor | 1.7 | 4.5 | 15.7 | 34.2 | 59.9 | 133.0 | 234.8 | 365.1 |
| La Canada | 1.3 | 3.6 | 13.0 | 28.5 | 50.2 | 112.6 | 200.4 | 314.0 |
| La Habra | 1.2 | 3.4 | 12.2 | 26.7 | 47.0 | 105.3 | 187.5 | 293.9 |
| Lancaster | 2.0 | 5.7 | 19.9 | 43.3 | 75.9 | 168.5 | 297.6 | 462.6 |
| Lennox | 1.5 | 4.1 | 14.3 | 31.0 | 54.2 | 119.6 | 210.1 | 325.1 |
| Long Beach | 1.6 | 4.5 | 16.2 | 35.7 | 62.9 | 141.0 | 251.0 | 393.4 |
| Los Alamitos | 1.6 | 4.4 | 15.6 | 34.1 | 59.9 | 133.9 | 237.8 | 371.8 |
| Lynwood | 1.6 | 4.6 | 16.3 | 35.7 | 62.9 | 140.8 | 250.4 | 392.0 |
| Malibu | 1.1 | 3.1 | 11.2 | 24.6 | 43.4 | 97.5 | 174.0 | 273.1 |
| Newhall | 1.9 | 5.3 | 18.7 | 40.9 | 71.9 | 160.0 | 283.1 | 441.2 |
| Norco | 1.3 | 3.7 | 12.9 | 28.1 | 49.3 | 109.7 | 194.2 | 302.4 |
| Palm Springs | 1.6 | 4.7 | 17.0 | 37.5 | 66.3 | 149.5 | 267.4 | 420.7 |
| Pasadena | 1.2 | 3.6 | 12.8 | 28.1 | 49.6 | 111.4 | 198.6 | 311.6 |
| Pico Rivera | 1.4 | 3.9 | 13.6 | 29.7 | 52.0 | 115.7 | 204.5 | 318.4 |
| Pomona | 1.1 | 3.1 | 11.0 | 24.1 | 42.5 | 95.3 | 169.8 | 266.0 |
| Redlands | 1.1 | 3.1 | 10.9 | 23.9 | 42.2 | 94.7 | 168.7 | 264.5 |
| Reseda | 1.3 | 3.8 | 13.9 | 30.6 | 54.2 | 122.6 | 219.8 | 346.6 |
| Riverside | 1.3 | 3.3 | 11.7 | 25.3 | 44.3 | 98.2 | 173.1 | 268.8 |
| Santa Ana Canyon | 1.1 | 3.0 | 10.6 | 23.3 | 41.0 | 92.0 | 163.7 | 256.6 |
| Upland | 1.6 | 4.4 | 15.8 | 34.5 | 60.7 | 135.7 | 240.9 | 376.3 |
| Vernon | 2.0 | 5.2 | 17.7 | 38.0 | 66.1 | 145.0 | 253.6 | 390.9 |
| Walnut | 1.6 | 4.4 | 15.7 | 34.5 | 60.8 | 136.1 | 242.2 | 379.2 |
| West LA | 1.0 | 2.7 | 9.5 | 20.8 | 36.6 | 82.0 | 145.7 | 228.1 |
| Whittier | 1.4 | 4.1 | 14.8 | 32.6 | 57.7 | 129.9 | 232.0 | 364.7 |

SCAQMD PERMIT APPLICATION PACKAGE “L”
Tables Effective for Applications Deemed Complete On or After July 1, 2005

DRY CLEANING LOOK-UP TABLE (occupational receptor)

(gallons per month, includes disposal losses adjusted for meteorological station)

Assumptions:

- *The screening levels below represent a cancer risk of less than 10-in-one-million*
- *Building Dimensions - 40 ft x 40 ft x 15 ft (height). General Ventilation with 60% captures efficiency.*
- *A dry cleaning machine with primary and secondary controls.*
- *50 percent of the perc usage is assumed to be emitted. Usage includes perc lost through sludge and filter disposal.*
- *Operating hours are 8 hours per day, 5 days per week; 52 weeks per year.*

For any change in above conditions, e.g., bigger building, no fan or vent, greater perc loss through sludge and filter disposal, the applicant is entitled to proceed to Tier 4 (refined risk assessment).

| Location | Usage (gallons per month) | | | | | | | |
|------------------|---------------------------|------|-------|-------|-------|-------|-------|-------|
| | 25 m | 50 m | 100 m | 150 m | 200 m | 300 m | 400 m | 500 m |
| Anaheim | 1.4 | 3.8 | 13.7 | 30.0 | 52.8 | 118.2 | 210.3 | 329.5 |
| Azusa | 1.5 | 4.2 | 14.8 | 32.5 | 57.1 | 127.6 | 226.6 | 354.2 |
| Banning | 2.5 | 6.3 | 21.9 | 47.5 | 83.0 | 183.7 | 322.3 | 498.5 |
| Burbank | 2.0 | 5.6 | 19.9 | 43.5 | 76.6 | 170.9 | 303.2 | 473.2 |
| Canoga Park | 1.7 | 4.8 | 17.3 | 38.2 | 67.6 | 152.2 | 272.2 | 428.1 |
| Compton | 2.0 | 5.3 | 18.1 | 39.2 | 68.4 | 150.7 | 264.5 | 409.1 |
| Costa Mesa | 1.6 | 4.6 | 16.5 | 36.1 | 63.7 | 142.7 | 254.0 | 398.0 |
| Downtown LA | 2.5 | 6.5 | 22.5 | 48.8 | 85.3 | 188.6 | 331.9 | 514.6 |
| El Toro | 1.7 | 5.0 | 17.9 | 39.4 | 69.6 | 156.4 | 279.2 | 438.6 |
| Fontana | 1.5 | 4.2 | 14.8 | 32.3 | 56.8 | 126.7 | 224.7 | 350.7 |
| Indio | 1.7 | 4.7 | 16.4 | 35.9 | 63.0 | 140.3 | 248.3 | 386.9 |
| King Harbor | 2.0 | 5.4 | 19.0 | 41.3 | 72.3 | 160.4 | 283.2 | 440.4 |
| La Canada | 1.5 | 4.4 | 15.7 | 34.4 | 60.6 | 135.8 | 241.8 | 378.9 |
| La Habra | 1.5 | 4.1 | 14.7 | 32.2 | 56.7 | 127.1 | 226.3 | 354.6 |
| Lancaster | 2.5 | 6.8 | 24.0 | 52.3 | 91.6 | 203.3 | 359.0 | 558.2 |
| Lennox | 1.9 | 5.0 | 17.3 | 37.4 | 65.4 | 144.3 | 253.4 | 392.2 |
| Long Beach | 1.9 | 5.5 | 19.6 | 43.0 | 75.8 | 170.1 | 302.9 | 474.7 |
| Los Alamitos | 1.9 | 5.3 | 18.8 | 41.1 | 72.3 | 161.6 | 286.9 | 448.5 |
| Lynwood | 2.0 | 5.5 | 19.6 | 43.0 | 75.8 | 169.8 | 302.1 | 473.0 |
| Malibu | 1.3 | 3.8 | 13.5 | 29.7 | 52.4 | 117.7 | 209.9 | 329.5 |
| Newhall | 2.3 | 6.4 | 22.6 | 49.4 | 86.7 | 193.0 | 341.6 | 532.3 |
| Norco | 1.6 | 4.4 | 15.5 | 33.9 | 59.5 | 132.4 | 234.3 | 364.8 |
| Palm Springs | 2.0 | 5.7 | 20.5 | 45.2 | 80.0 | 180.3 | 322.6 | 507.6 |
| Pasadena | 1.5 | 4.3 | 15.4 | 33.9 | 59.9 | 134.4 | 239.6 | 375.9 |
| Pico Rivera | 1.7 | 4.7 | 16.4 | 35.8 | 62.8 | 139.6 | 246.7 | 384.2 |
| Pomona | 1.3 | 3.7 | 13.3 | 29.1 | 51.3 | 115.0 | 204.8 | 320.9 |
| Redlands | 1.3 | 3.7 | 13.2 | 28.9 | 50.9 | 114.3 | 203.6 | 319.1 |
| Reseda | 1.6 | 4.6 | 16.7 | 36.9 | 65.4 | 147.9 | 265.1 | 418.2 |
| Riverside | 1.5 | 4.0 | 14.1 | 30.6 | 53.5 | 118.5 | 208.9 | 324.3 |
| Santa Ana Canyon | 1.3 | 3.6 | 12.8 | 28.1 | 49.5 | 110.9 | 197.5 | 309.6 |
| Upland | 1.9 | 5.4 | 19.0 | 41.6 | 73.3 | 163.7 | 290.6 | 454.0 |
| Vernon | 2.4 | 6.2 | 21.3 | 45.9 | 79.8 | 175.0 | 305.9 | 471.6 |
| Walnut | 1.9 | 5.3 | 19.0 | 41.6 | 73.3 | 164.2 | 292.2 | 457.5 |
| West LA | 1.2 | 3.2 | 11.5 | 25.1 | 44.2 | 98.9 | 175.8 | 275.1 |
| Whittier | 1.7 | 5.0 | 17.9 | 39.4 | 69.6 | 156.7 | 279.9 | 440.0 |

SCAQMD PERMIT APPLICATION PACKAGE “L”
Tables Effective for Applications Deemed Complete On or After July 1, 2005

Table – 2A
Dispersion Factors (X/Q)
For Point Source Equipment
Operating 12 Hours Per Day or Less

Carcinogenic and Chronic X/Q Values ($[\mu\text{g}/\text{m}^3]/[\text{tons}/\text{yr.}]$)

| Stack Height (ft) | Downwind Distance (meters) | | | | | | | |
|----------------------|----------------------------|-------|------|------|------|------|------|------|
| | 25 | 50 | 75 | 100 | 200 | 300 | 500 | 1000 |
| ≥ 14 to 24 | 51.18 | 16.88 | 7.89 | 4.51 | 1.14 | 0.50 | 0.18 | 0.05 |
| > 24 to 49 | 19.14 | 12.74 | 6.94 | 4.19 | 1.12 | 0.50 | 0.18 | 0.05 |
| > 49 | 5.13 | 5.13 | 4.31 | 3.08 | 0.97 | 0.45 | 0.16 | 0.04 |

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

Table – 2B
Meteorological Correction Factors (MET)
For Point Source Equipment
Operating 12 Hours Per Day or Less

| Station | MET | Station | MET |
|---------------|------|------------------|------|
| Anaheim | 0.84 | Lynwood | 0.58 |
| Azusa | 0.77 | Malibu | 0.84 |
| Banning | 0.52 | Newhall | 0.50 |
| Burbank | 0.57 | Norco | 0.73 |
| Canoga Park | 0.65 | Palm Springs | 0.55 |
| Compton | 0.63 | Pasadena | 0.74 |
| Costa Mesa | 0.69 | Pico Rivera | 0.70 |
| Downtown L.A. | 0.51 | Pomona | 0.86 |
| El Toro | 0.65 | Redlands | 0.86 |
| Fontana | 0.77 | Reseda | 0.68 |
| Indio | 0.69 | Riverside | 0.82 |
| King Harbor | 0.60 | Santa Ana Canyon | 0.89 |
| La Canada | 0.73 | Upland | 0.60 |
| La Habra | 0.78 | Vernon | 0.54 |
| Lancaster | 0.47 | Walnut | 0.60 |
| Lennox | 0.67 | West L.A. | 1.00 |
| Long Beach | 0.59 | Whittier | 0.63 |
| Los Alamitos | 0.60 | | |

SCAQMD PERMIT APPLICATION PACKAGE “L”
Tables Effective for Applications Deemed Complete On or After July 1, 2005

Table – 2C
Annual Concentration Adjustment Factors (AF_{ann})
Equipment 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 AF_{ann} value for residential/sensitive receptors is 1.0, which assumes exposure of 24 hours per day, 7 days per week.

SCAQMD PERMIT APPLICATION PACKAGE "L"
Tables Effective for Applications Deemed Complete On or After July 1, 2005

Table – 3A
Dispersion Factors (X/Q)
For Point Source Equipment
Operating More Than 12 Hours Per Day

Carcinogenic and Chronic X/Q Values ($[\mu\text{g}/\text{m}^3]/[\text{tons}/\text{yr.}]$)

| Stack Height (ft) | Downwind Distance (meters) | | | | | | | |
|----------------------|----------------------------|-------|-------|------|------|------|------|------|
| | 25 | 50 | 75 | 100 | 200 | 300 | 500 | 1000 |
| ≥ 14 to 24 | 49.68 | 23.07 | 12.50 | 7.74 | 2.24 | 1.06 | 0.42 | 0.12 |
| > 24 to 49 | 10.70 | 10.70 | 7.46 | 5.32 | 1.92 | 0.97 | 0.40 | 0.12 |
| > 49 | 2.38 | 2.38 | 2.38 | 2.12 | 1.27 | 0.75 | 0.33 | 0.10 |

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

Table – 3B
Meteorological Correction Factors (MET)
For Point Source Equipment
Operating More Than 12 Hours Per Day

| STATION | MET | STATION | MET |
|---------------|------|------------------|------|
| Anaheim | 0.69 | Lynwood | 0.68 |
| Azusa | 0.64 | Malibu | 0.84 |
| Banning | 0.63 | Newhall | 0.92 |
| Burbank | 0.64 | Norco | 0.60 |
| Canoga Park | 0.71 | Palm Springs | 0.88 |
| Compton | 0.60 | Pasadena | 0.88 |
| Costa Mesa | 0.69 | Pico Rivera | 0.68 |
| Downtown L.A. | 0.60 | Pomona | 1.28 |
| El Toro | 0.65 | Redlands | 1.74 |
| Fontana | 1.19 | Reseda | 0.64 |
| Indio | 0.60 | Riverside | 0.81 |
| King Harbor | 0.53 | Santa Ana Canyon | 0.80 |
| La Canada | 1.33 | Upland | 0.71 |
| La Habra | 0.78 | Vernon | 0.92 |
| Lancaster | 0.76 | Walnut | 0.71 |
| Lennox | 0.68 | West L.A. | 1.00 |
| Long Beach | 1.00 | Whittier | 0.55 |
| Los Alamitos | 0.69 | | |

SCAQMD PERMIT APPLICATION PACKAGE "L"
Tables Effective for Applications Deemed Complete On or After July 1, 2005

Table – 3C
Annual Concentration Adjustment Factors (AF_{ann})
Equipment 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 | 2.0 | 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 AF_{ann} value for residential/sensitive receptors is 1.0, which assumes exposure of 24 hours per day, 7 days per week.

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Table – 4A
Dispersion Factors (X/Q)
For Volume Source Equipment
Operating 12 Hours Per Day or Less

Carcinogenic and Chronic X/Q Values ($[\mu\text{g}/\text{m}^3]/[\text{tons}/\text{yr.}]$)

| Source Dimensions | | Downwind Distance (meters) | | | | | | | |
|-------------------------|-------------|----------------------------|-------|------|------|------|------|------|------|
| Area (ft ²) | Height (ft) | 25 | 50 | 75 | 100 | 200 | 300 | 500 | 1000 |
| < 3,000 | ≤ 20 | 41.45 | 13.68 | 6.70 | 3.95 | 1.06 | 0.48 | 0.17 | 0.04 |
| 3,000 to 10,000 | ≤ 20 | 36.93 | 12.83 | 6.41 | 3.82 | 1.04 | 0.47 | 0.17 | 0.04 |
| 3,000 to 10,000 | > 20 | 26.52 | 10.54 | 5.58 | 3.44 | 0.98 | 0.46 | 0.17 | 0.04 |
| >10,000 to 30,000 | > 20 | 21.59 | 9.51 | 5.20 | 3.26 | 0.96 | 0.46 | 0.17 | 0.04 |
| > 30,000 | > 20 | - | 8.19 | 4.65 | 2.98 | 0.91 | 0.43 | 0.16 | 0.04 |

Note: Facilities with building dimensions outside the ranges provided must perform a Tier 3 or Tier 4 modeling.

Table – 4B
Meteorological Correction Factors (MET)
For Volume Source Equipment
Operating 12 Hours Per Day or Less

| Station | MET | Station | MET |
|---------------|------|------------------|------|
| Anaheim | 0.86 | Lynwood | 0.63 |
| Azusa | 0.80 | Malibu | 0.88 |
| Banning | 0.54 | Newhall | 0.53 |
| Burbank | 0.60 | Norco | 0.75 |
| Canoga Park | 0.68 | Palm Springs | 0.60 |
| Compton | 0.63 | Pasadena | 0.75 |
| Costa Mesa | 0.71 | Pico Rivera | 0.70 |
| Downtown L.A. | 0.51 | Pomona | 0.91 |
| El Toro | 0.68 | Redlands | 0.90 |
| Fontana | 0.80 | Reseda | 0.71 |
| Indio | 0.72 | Riverside | 0.82 |
| King Harbor | 0.63 | Santa Ana Canyon | 0.92 |
| La Canada | 0.76 | Upland | 0.62 |
| La Habra | 0.81 | Vernon | 0.55 |
| Lancaster | 0.49 | Walnut | 0.63 |
| Lennox | 0.66 | West L.A. | 1.00 |
| Long Beach | 0.58 | Whittier | 0.66 |
| Los Alamitos | 0.64 | | |

SCAQMD PERMIT APPLICATION PACKAGE "L"
Tables Effective for Applications Deemed Complete On or After July 1, 2005

Table – 5A
Dispersion Factors (X/Q)
For Volume Source Equipment
Operating More Than 12 Hours Per Day

Carcinogenic and Chronic X/Q Values ($[\mu\text{g}/\text{m}^3]/[\text{tons}/\text{yr.}]$)

| Source Dimensions | | Downwind Distance (meters) | | | | | | | |
|-------------------------|-------------|----------------------------|-------|-------|------|------|------|------|------|
| Area (ft ²) | Height (ft) | 25 | 50 | 75 | 100 | 200 | 300 | 500 | 1000 |
| < 3,000 | ≤ 20 | 60.49 | 22.40 | 11.68 | 7.18 | 2.12 | 1.02 | 0.41 | 0.12 |
| 3,000 to 10,000 | ≤ 20 | 55.80 | 21.35 | 11.30 | 7.01 | 2.09 | 1.01 | 0.40 | 0.12 |
| 3,000 to 10,000 | > 20 | 35.18 | 15.50 | 8.87 | 5.78 | 1.89 | 0.94 | 0.39 | 0.12 |
| >10,000 to 30,000 | > 20 | 29.58 | 14.43 | 8.41 | 5.55 | 1.85 | 0.93 | 0.39 | 0.12 |
| > 30,000 | > 20 | -- | 13.05 | 7.81 | 5.22 | 1.79 | 0.91 | 0.38 | 0.12 |

Note: Facilities with building dimensions outside the ranges provided must perform a Tier 3 or Tier 4 modeling.

Table – 5B
Meteorological Correction Factors (MET)
For Volume Source Equipment
Operating More Than 12 Hours Per Day

| Station | MET | Station | MET |
|---------------|------|------------------|------|
| Anaheim | 0.56 | Lynwood | 0.69 |
| Azusa | 0.64 | Malibu | 0.86 |
| Banning | 0.65 | Newhall | 0.93 |
| Burbank | 0.66 | Norco | 0.58 |
| Canoga Park | 0.73 | Palm Springs | 0.89 |
| Compton | 0.55 | Pasadena | 0.91 |
| Costa Mesa | 0.63 | Pico Rivera | 0.66 |
| Downtown L.A. | 0.63 | Pomona | 1.27 |
| El Toro | 0.66 | Redlands | 1.76 |
| Fontana | 1.22 | Reseda | 0.59 |
| Indio | 0.56 | Riverside | 0.78 |
| King Harbor | 0.46 | Santa Ana Canyon | 0.81 |
| La Canada | 1.34 | Upland | 0.76 |
| La Habra | 0.79 | Vernon | 0.91 |
| Lancaster | 0.78 | Walnut | 0.74 |
| Lennox | 0.66 | West L.A. | 1.00 |
| Long Beach | 0.99 | Whittier | 0.53 |
| Los Alamitos | 0.73 | | |

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Table – 6
Dispersion Factors (X/Q)
For Acute Hazard Index (X/Qhr)
Point Sources

All Daily Operating Conditions
X/Qhr Values ($[\mu\text{g}/\text{m}^3]/[\text{lbs}/\text{hr}]$)

| Stack Height (ft) | Downwind Distance (meters) | | | | | | | |
|-------------------|----------------------------|--------|-------|-------|-------|------|------|------|
| | 25 | 50 | 75 | 100 | 200 | 300 | 500 | 1000 |
| ≥ 14 to 24 | 2000.0 | 1000.6 | 577.9 | 373.5 | 119.2 | 59.8 | 25.4 | 8.4 |
| > 24 to 49 | 548.1 | 548.1 | 406.0 | 295.2 | 109.6 | 57.1 | 24.8 | 8.3 |
| > 49 | 110.1 | 110.1 | 103.8 | 92.4 | 67.3 | 42.9 | 20.6 | 7.2 |

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

Table – 7
Dispersion Factors (X/Q)
For Acute Hazard Index (X/Qhr)
Volumes Sources

All Daily Operating Conditions
X/Qhr Values ($[\mu\text{g}/\text{m}^3]/[\text{lbs}/\text{hr}]$)

| Source Dimensions | | Downwind Distance (meters) | | | | | | | |
|-------------------------|------------|----------------------------|-------|-------|-------|-------|------|------|------|
| Area (ft ²) | Height(ft) | 25 | 50 | 75 | 100 | 200 | 300 | 500 | 1000 |
| < 3,000 | ≤ 20 | 1532.1 | 773.2 | 463.1 | 309.0 | 106.3 | 55.2 | 24.1 | 8.2 |
| 3,000 to 10,000 | ≤ 20 | 1103.1 | 613.9 | 387.7 | 267.5 | 98.0 | 52.2 | 23.3 | 8.0 |
| 3,000 to 10,000 | > 20 | 646.2 | 416.9 | 288.5 | 211.2 | 86.4 | 48.0 | 22.2 | 7.9 |
| > 10,000 to 30,000 | > 20 | 439 | 309.4 | 226.4 | 172.2 | 76.3 | 44.0 | 21.1 | 7.7 |
| > 30,000 | > 20 | - | 213.8 | 164.9 | 130.5 | 63.5 | 38.3 | 19.3 | 7.3 |

Note: Facilities with building dimensions outside the ranges provided must perform a Tier 3 or Tier 4 modeling.

SCAQMD PERMIT APPLICATION PACKAGE "L"
Tables Effective for Applications Deemed Complete On or After July 1, 2005

Table – 8A
Inhalation Cancer Potency (CP), Reference Exposure Level (REL) and Multi Pathway Adjustment Factors (MP)

| Toxic Air Contaminant | CAS NO | cancer | | | chronic | | | acute | |
|---|------------|--------------------------------|-----------------|-----------------|-----------------------------|-----------------|-----------------|-----------------------------|------------|
| | | CP (mg/kg-dy) ⁻¹ | MP _R | MP _W | REL (ug/m ³) | MP _R | MP _W | REL (ug/m ³) | Avg Hrs |
| Acetaldehyde | 75-07-0 | 1.00E-02 | 1.00 | 1.00 | 1.40E+02 | 1.00 | 1.00 | 4.70E+02 | 1 |
| Acetamide | 60-35-5 | 7.00E-02 | 1.00 | 1.00 | | | | | |
| Acrolein | 107-02-8 | | | | 3.50E-01 | 1.00 | 1.00 | 2.50E+00 | 1 |
| Acrylamide (or propenamide) | 79-06-1 | 4.50E+00 | 1.00 | 1.00 | | | | | |
| Acrylic acid | 79-10-7 | | | | | | | 6.00E+03 | 1 |
| Acrylonitrile (or vinyl cyanide) | 107-13-1 | 1.00E+00 | 1.00 | 1.00 | 5.00E+00 | 1.00 | 1.00 | | |
| Allyl chloride* | 107-05-1 | 2.10E-02 | 1.00 | 1.00 | | | | | |
| Aminoanthraquinone, 2- | 117-79-3 | 3.30E-02 | 1.00 | 1.00 | | | | | |
| Ammonia | 7664-41-7 | | | | 2.00E+02 | 1.00 | 1.00 | 3.20E+03 | 1 |
| Ammonium sulfate* | | | | | | | | | |
| Aniline | 62-53-3 | 5.70E-03 | 1.00 | 1.00 | | | | | |
| Antimony trioxide* | | | | | | | | | |
| Arsenic and arsenic compounds (inorganic) | 7440-38-2 | 1.20E+01 | 4.78 | 4.57 | 1.50E-02 | 40.06 | 37.85 | 2.00E-01 | 1 |
| Arsenic compounds (other than inorganic)* | | | | | | | | | |
| Arsine | 7784-42-1 | | | | 1.50E-02 | 1.00 | 1.00 | 2.00E-01 | 1 |
| Asbestos | 1332-21-4 | 2.20E+02 | 1.00 | 1.00 | | | | | |
| Benzene (including benzene from gasoline) | 71-43-2 | 1.00E-01 | 1.00 | 1.00 | 6.00E+01 | 1.00 | 1.00 | 1.30E+03 | 1 |
| Benzidine (and its salts) | 92-87-5 | 5.00E+02 | 1.00 | 1.00 | | | | | |
| Benzyl chloride | 100-44-7 | 1.70E-01 | 1.00 | 1.00 | | | | 2.40E+02 | 1 |
| Beryllium (and beryllium compounds) | 7440-41-7 | 8.40E+00 | 1.00 | 1.00 | 7.00E-03 | 1.00 | 1.00 | | |
| Bis(2-chloroethyl)ether (DCEE) | 111-44-4 | 2.50E+00 | 1.00 | 1.00 | | | | | |
| Bis(chloromethyl)ether | 542-88-1 | 4.60E+01 | 1.00 | 1.00 | | | | | |
| Bis(2-ethylhexyl)phthalate (DEHP) | 117-81-7 | 8.40E-03 | 5.97 | 1.16 | | | | | |
| Bromine pentafluoride* | 7789-30-1 | | | | | | | | |
| Butadiene, 1,3- | 106-99-0 | 6.00E-01 | 1.00 | 1.00 | 2.00E+01 | 1.00 | 1.00 | | |
| Cadmium and cadmium compounds | 7440-43-9 | 1.50E+01 | 1.00 | 1.00 | 2.00E-02 | 1.50 | 1.12 | | |
| Carbon disulfide | 75-15-0 | | | | 8.00E+02 | 1.00 | 1.00 | 6.20E+03 | 1 |
| Carbon tetrachloride (Tetrachloromethane) | 56-23-5 | 1.50E-01 | 1.00 | 1.00 | 4.00E+01 | 1.00 | 1.00 | 1.90E+03 | 1 |
| Chlorine | 7782-50-5 | | | | 2.00E-01 | 1.00 | 1.00 | 2.10E+02 | 1 |
| Chlorine dioxide | 10049-04-4 | | | | 6.00E-01 | 1.00 | 1.00 | | |
| Chloroacetophenone, 2-* | | | | | | | | | |
| Chlorobenzene | 108-90-7 | | | | 1.00E+03 | 1.00 | 1.00 | | |
| Chlorofluorocarbons | | | | | | | | | |
| Dichlorodifluoromethane (CFC-12)* | | | | | | | | | |
| Trichlorofluoromethane (CFC-11)* | | | | | | | | | |
| Trichlorotrifluoroethane (CFC-113)* | | | | | | | | | |
| Chlorodifluoromethane (HCFC-22)* | | | | | | | | | |
| Chloro-o-phenylenediamine, 4- | 95-83-0 | 1.60E-02 | 1.00 | 1.00 | | | | | |
| Chloro-o-toluidine, p- | 95-69-2 | 2.70E-01 | 1.00 | 1.00 | | | | | |
| Chloroform(trichloromethane) | 67-66-3 | 1.90E-02 | 1.00 | 1.00 | 3.00E+02 | 1.00 | 1.00 | 1.50E+02 | 1 |
| Chlorophenols | 96000 | | | | | | | | |
| Chlorophenol, 2-* | 95-57-7 | | | | | | | | |
| Pentachlorophenol | 87-86-5 | 1.80E-02 | 1.00 | 1.00 | | | | | |

SCAQMD PERMIT APPLICATION PACKAGE “L”
Tables Effective for Applications Deemed Complete On or After July 1, 2005

Table – 8A
Inhalation Cancer Potency (CP), Reference Exposure Level (REL) and Multi Pathway Adjustment Factors (MP)

| Toxic Air Contaminant | CAS NO | cancer | | | chronic | | | acute | |
|--|-------------|--------------------------------|-----------------|-----------------|-----------------------------|-----------------|-----------------|-----------------------------|------------|
| | | CP (mg/kg-dy) ⁻¹ | MP _R | MP _W | REL (ug/m ³) | MP _R | MP _W | REL (ug/m ³) | Avg Hrs |
| Trichlorophenol, 2,4,6- | 88-06-2 | 7.00E-02 | 1.00 | 1.00 | | | | | |
| Chloropicrin | 76-06-2 | | | | 4.00E-01 | 1.00 | 1.00 | 2.90E+01 | 1 |
| Chloroprene* | | | | | | | | | |
| Chromium, hexavalent | 18540-29-9 | 5.10E+02 | 1.00 | 1.00 | 2.00E-01 | 1.00 | 1.00 | | |
| Barium chromate* | | | | | | | | | |
| Calcium chromate* | | | | | | | | | |
| Lead chromate ¹ | 7758-97-6 | 5.10E+02 | 1.00 | 1.00 | | | | | |
| Sodium dichromate* | | | | | | | | | |
| Strontium chromate* | | | | | | | | | |
| Chromic trioxide (as chromic acid mist) | 1333-82-0 | 5.10E+02 | 1.00 | 1.00 | 2.00E-03 | 1.00 | 1.00 | | |
| Cobalt and cobalt compounds* | | | | | | | | | |
| Copper and copper compounds | 7440-50-8 | | | | | | | 1.00E+02 | 1 |
| Cresidine, p- | 120-71-8 | 1.50E-01 | 1.00 | 1.00 | | | | | |
| Cresol mixtures | 1319-77-3 | | | | 6.00E+02 | 1.00 | 1.00 | | |
| Cresol, m- | 108-39-4 | | | | 6.00E+02 | 1.00 | 1.00 | | |
| Cresol, o- | 95-48-7 | | | | 6.00E+02 | 1.00 | 1.00 | | |
| Cresol, p- | 106-44-5 | | | | 6.00E+02 | 1.00 | 1.00 | | |
| Cupferon | 135-20-6 | 2.20E-01 | 1.00 | 1.00 | | | | | |
| Cyanide Compounds (inorganic) | 57-12-51073 | | | | | | | | |
| Hydrogen cyanide (Hydrocyanic acid) | 74-90-8 | | | | 9.00E+00 | 1.00 | 1.00 | 3.40E+02 | 1 |
| Diaminoanisole, 2,4- (sulfate) | 615-05-4 | 2.30E-02 | 1.00 | 1.00 | | | | | |
| Diaminotoluene, 2,4- | 95-80-7 | 4.00E+00 | 1.00 | 1.00 | | | | | |
| Dibromo-3-chloropropane, 1,2- (DBCP) | 96-12-8 | 7.00E+00 | 1.00 | 1.00 | | | | | |
| Dichlorobenzene, p- (or 1,4-dichlorobenzene) | 106-46-7 | 4.00E-02 | 1.00 | 1.00 | 8.00E+02 | 1.00 | 1.00 | | |
| Dichlorobenzidine, 3,3- | 91-94-1 | 1.20E+00 | 1.00 | 1.00 | | | | | |
| Dichloroethane, 1,1- | 75-34-3 | 5.70E-03 | 1.00 | 1.00 | | | | | |
| Dichloroethylene, 1,1- (or Vinylidene Chloride) | 75-35-4 | | | | 7.00E+01 | 1.00 | 1.00 | | |
| Diethanolamine | 111-42-2 | | | | 3.00E+00 | 1.00 | 1.00 | | |
| Diesel exhaust particulates – particulates from diesel fueled internal combustion engine exhaust | 9901 | 1.10E+00 | 1.00 | 1.00 | 5.00E+00 | 1.00 | 1.00 | | |
| Dimethylaminoazobenzene, p- | 60-11-7 | 4.60E+00 | 1.00 | 1.00 | | | | | |
| Dimethylformamide (N,N-) | 68-12-2 | | | | 8.00E+01 | 1.00 | 1.00 | | |
| Dinitrotoluene, 2,4- | 121-14-2 | 3.10E-01 | 1.00 | 1.00 | | | | | |
| Dioxane, 1,4- | 123-91-1 | 2.70E-02 | 1.00 | 1.00 | 3.00E+03 | 1.00 | 1.00 | 3.00E+03 | 1 |
| Diphenylhydrazine (or hydrazobenzene) | 12-2-66-7 | 8.75E-01 | 1.00 | 1.00 | | | | | |
| Epichlorohydrin(1-Chloro-2,3-epoxypropane) | 106-89-8 | 8.00E-02 | 1.00 | 1.00 | 3.00E+00 | 1.00 | 1.00 | 1.30E+03 | 1 |
| Epoxybutane, 1,2- | 106-88-7 | | | | 2.00E+01 | 1.00 | 1.00 | | |
| Ethyl acrylate* | 140-88-5 | | | | | | | | |
| Ethyl benzene | 100-41-4 | 8.70E-03 | 1.00 | 1.00 | 2.00E+03 | 1.00 | 1.00 | | |
| Ethyl chloride | 75-00-3 | | | | 3.00E+04 | 1.00 | 1.00 | | |
| Ethylene* | | | | | | | | | |
| Ethylene dibromide(1,2-Dibromoethane) | 106-93-4 | 2.50E-01 | 1.00 | 1.00 | 8.00E-01 | 1.00 | 1.00 | | |
| Ethylene dichloride (or 1,2-dichloroethane) | 107-06-2 | 7.20E-02 | 1.00 | 1.00 | 4.00E+02 | 1.00 | 1.00 | | |
| Ethylene oxide (1,2 Epoxyethane) | 75-21-8 | 3.10E-01 | 1.00 | 1.00 | 3.00E+01 | 1.00 | 1.00 | | |

SCAQMD PERMIT APPLICATION PACKAGE "L"
Tables Effective for Applications Deemed Complete On or After July 1, 2005

Table – 8A
Inhalation Cancer Potency (CP), Reference Exposure Level (REL) and Multi Pathway Adjustment Factors (MP)

| Toxic Air Contaminant | CAS NO | cancer | | | chronic | | | acute | |
|--|-----------|--------------------------------|-----------------|-----------------|-----------------------------|-----------------|-----------------|-----------------------------|------------|
| | | CP (mg/kg-dy) ⁻¹ | MP _R | MP _W | REL (ug/m ³) | MP _R | MP _W | REL (ug/m ³) | Avg Hrs |
| Ethylene thiourea | 96-45-7 | 4.50E-02 | 1.00 | 1.00 | | | | | |
| Fluorides and fluoride compounds* | 1101 | | | | 1.30E+01 | 1.00 | 1.00 | | |
| Hydrogen fluoride (hydrofluoric acid) | 7664-39-3 | | | | 1.40E+01 | 1.00 | 1.00 | 2.40E+02 | 1 |
| Formaldehyde | 50-00-0 | 2.10E-02 | 1.00 | 1.00 | 9.00E+00 | 1.00 | 1.00 | 5.50E+01 | 1 |
| Gasoline vapors* | | | | | | | | | |
| Glutaraldehyde | 111-30-8 | | | | 8.00E-02 | 1.00 | 1.00 | | |
| Glycol ethers (and their acetates) | | | | | | | | | |
| Ethylene glycol | 107-21-1 | | | | 4.00E+02 | 1.00 | 1.00 | | |
| Ethylene glycol ethyl ether (EGEE) | 110-80-5 | | | | 7.00E+01 | 1.00 | 1.00 | 3.70E+02 | 1 |
| Ethylene glycol monobutyl ether | 111-76-2 | | | | | | | 1.40E+04 | 1 |
| Ethylene glycol monoethyl ether acetate (EGEEA) | 111-15-9 | | | | 3.00E+02 | 1.00 | 1.00 | 1.40E+02 | 1 |
| Ethylene glycol monomethyl ether (EGME) | 109-86-4 | | | | 6.00E+01 | 1.00 | 1.00 | 9.30E+01 | 1 |
| Ethylene glycol monomethyl ether acetate | 110-49-6 | | | | 9.00E+01 | 1.00 | 1.00 | | |
| Hexachlorobutadiene* | | | | | | | | | |
| Hexachlorocyclopentadiene* | | | | | | | | | |
| Hexachlorobenzene | 118-74-1 | 1.80E+00 | 1.00 | 1.00 | | | | | |
| Hexachlorocyclohexanes: | | | | | | | | | |
| Hexachlorocyclohexane (technical grade) | 608-73-1 | 4.00E+00 | 6.00 | 1.43 | | | | | |
| Hexachlorocyclohexane, gamma- (lindane) | 58-89-9 | 1.10E+00 | 5.99 | 1.42 | | | | | |
| Hexachloroethane* | | | | | | | | | |
| Hexamethylene-1,6-diisocyanate* | | | | | | | | | |
| Hexane (n-) | 110-54-3 | | | | 7.00E+03 | 1.00 | 1.00 | | |
| Hydrazine | 302-01-2 | 1.70E+01 | 1.00 | 1.00 | 2.00E-01 | 1.00 | 1.00 | | |
| Hydrogen bromide* | | | | | | | | | |
| Hydrogen chloride (hydrochloric acid) | 7647-01-0 | | | | 9.00E+00 | 1.00 | 1.00 | 2.10E+03 | 1 |
| Hydrogen sulfide | 7783-06-4 | | | | 1.00E+01 | 1.00 | 1.00 | 4.20E+01 | 1 |
| Isophorone | 78-59-1 | | | | 2.00E+03 | 1.00 | 1.00 | | |
| Isopropyl alcohol | 67-63-0 | | | | 7.00E+03 | 1.00 | 1.00 | 3.20E+03 | 1 |
| Lead and lead compounds (inorganic, including elemental lead), including but not limited to: | 7439-92-1 | 4.20E-02 | 4.19 | 2.94 | | | | | |
| Lead compounds, inorganic | 1128 | 4.20E-02 | 4.19 | 2.94 | | | | | |
| Lead compounds (other than inorganic) | 1129 | | | | | | | | |
| Lead acetate | 301-04-2 | 4.20E-02 | 4.18 | 2.94 | | | | | |
| Lead phosphate | 7446-27-7 | 4.20E-02 | 4.19 | 2.94 | | | | | |
| Lead subacetate | 1335-32-6 | 4.20E-02 | 4.20 | 2.95 | | | | | |
| Maleic anhydride | 108-31-6 | | | | 7.00E-01 | 1.00 | 1.00 | | |
| Manganese and manganese compounds | 7439-96-5 | | | | 9.00E-02 | 1.00 | 1.00 | | |
| Mercury and mercury compounds (inorganic) | 7439-97-6 | | | | 3.00E-02 | 6.66 | 4.24 | 6.00E-01 | 1 |
| Mercuric chloride | 7487-94-7 | | | | 3.00E-02 | 6.66 | 4.24 | 6.00E-01 | 1 |
| Methyl mercury | 593-74-8 | | | | 1.00E+00 | 1.00 | 1.00 | | |
| Methanol (methyl alcohol) | 67-56-1 | | | | 4.00E+03 | 1.00 | 1.00 | 2.80E+04 | 1 |
| Methyl bromide (Bromomethane) | 74-83-9 | | | | 5.00E+00 | 1.00 | 1.00 | 3.90E+03 | 1 |
| Methyl chloroform (1,1,1 Trichloroethane [TCA]) | 71-55-6 | | | | 1.00E+03 | 1.00 | 1.00 | 6.80E+04 | 1 |

SCAQMD PERMIT APPLICATION PACKAGE “L”
Tables Effective for Applications Deemed Complete On or After July 1, 2005

Table – 8A
Inhalation Cancer Potency (CP), Reference Exposure Level (REL) and Multi Pathway Adjustment Factors (MP)

| Toxic Air Contaminant | CAS NO | cancer | | | chronic | | | acute | |
|--|-------------|--------------------------------|-----------------|-----------------|-----------------------------|-----------------|-----------------|-----------------------------|------------|
| | | CP (mg/kg-dy) ⁻¹ | MP _R | MP _W | REL (ug/m ³) | MP _R | MP _W | REL (ug/m ³) | Avg Hrs |
| Methyl ethyl ketone | 78-93-3 | | | | | | | 1.30E+04 | 1 |
| Methyl methacrylate* | 624-83-9 | | | | | | | | |
| Methyl isocyanate | 624-83-9 | | | | 1.00E+00 | 1.00 | 1.00 | | |
| Methylene bis(2-chloroaniline), 4,4- (MOCA) | 101-14-4 | 1.50E+00 | 1.00 | 1.00 | | | | | |
| Methylene chloride(Dichloromethane) | 75-09-2 | 3.50E-03 | 1.00 | 1.00 | 4.00E+02 | 1.00 | 1.00 | 1.40E+04 | 1 |
| Methylene dianiline, 4,4'- (and its dichloride) | 101-77-9 | 1.60E+00 | 5.90 | 1.03 | 2.00E+01 | 1.00 | 1.00 | | |
| Methylene phenyl diisocyanate | 101-68-8 | | | | 7.00E-01 | 1.00 | 1.00 | | |
| Methyl tertiary-butyl ether | 1634-04-4 | 1.80E-03 | 1.00 | 1.00 | 8.00E+03 | 1.00 | 1.00 | | |
| Michler's ketone | 90-94-8 | 8.60E-01 | 1.00 | 1.00 | | | | | |
| Mineral fibers(other than man-made)* | | | | | | | | | |
| Nickel & nickel compounds (except nickel oxide): | 7440-02-0 | 9.10E-01 | 1.00 | 1.00 | 1.40E-02 | 1.00 | 1.00 | 2.00E-01 | 1 |
| Nickel acetate | 373-02-4 | 9.10E-01 | 1.00 | 1.00 | 1.40E-02 | 1.00 | 1.00 | 2.00E-01 | 1 |
| Nickel carbonate | 3333-67-3 | 9.10E-01 | 1.00 | 1.00 | 1.40E-02 | 1.00 | 1.00 | 2.00E-01 | 1 |
| Nickel carbonyl | 13463-39-3 | 9.10E-01 | 1.00 | 1.00 | 1.40E-02 | 1.00 | 1.00 | 2.00E-01 | 1 |
| Nickel hydroxide | 12054-48-7 | 9.10E-01 | 1.00 | 1.00 | 1.40E-02 | 1.00 | 1.00 | 2.00E-01 | 1 |
| Nickelocene | 1271-28-9 | 9.10E-01 | 1.00 | 1.00 | 1.40E-02 | 1.00 | 1.00 | 2.00E-01 | 1 |
| Nickel oxide | 1313-99-1 | 9.10E-01 | 1.00 | 1.00 | 2.00E-02 | 1.00 | 1.00 | 2.00E-01 | 1 |
| Nickel refinery dust (from the pyrometallurgical process) | 1146 | 9.10E-01 | 1.00 | 1.00 | 1.40E-02 | 1.00 | 1.00 | 2.00E-01 | 1 |
| Nickel subsulfide | 120-35-72-2 | 9.10E-01 | 1.00 | 1.00 | 1.40E-02 | 1.00 | 1.00 | 2.00E-01 | 1 |
| Nitric acid | 7697-37-2 | | | | | | | 8.60E+01 | 1 |
| Nitrobenzene* | | | | | | | | | |
| Nitropropane, 2-* | | | | | | | | | |
| Nitroso- compounds: | | | | | | | | | |
| Nitroso-n-ethylurea, n- | 759-73-9 | 2.70E+01 | | | | | | | |
| Nitroso-n-methylurea, n- | 684-93-5 | 1.19E+02 | 1.00 | 1.00 | | | | | |
| Nitrosodi-n-butylamine, n- | 924-16-3 | 1.10E+01 | 1.00 | 1.00 | | | | | |
| Nitrosodiethylamine, n- | 55-18-5 | 3.60E+01 | 1.00 | 1.00 | | | | | |
| Nitrosodimethylamine, n- | 62-75-9 | 1.60E+01 | 1.00 | 1.00 | | | | | |
| Nitrosodiphenylamine, n- | 86-30-6 | 9.00E-03 | 1.00 | 1.00 | | | | | |
| Nitrosodiphenylamine, p- | 156-10-5 | 2.20E-02 | 1.00 | 1.00 | | | | | |
| Nitrosodi-n-propylamine, n- | 621-64-7 | 7.00E+00 | 1.00 | 1.00 | | | | | |
| Nitrosomethylethylamine, n- | 10595-95-6 | 2.20E+01 | 1.00 | 1.00 | | | | | |
| Nitrosomorpholine, n- | 59-89-2 | 6.70E+00 | 1.00 | 1.00 | | | | | |
| Nitrosopiperidine, n- | 100-75-4 | 9.40E+00 | 1.00 | 1.00 | | | | | |
| Nitrosopyrrolidine, n- | 930-55-2 | 2.10E+00 | 1.00 | 1.00 | | | | | |
| Paraffins, chlorinated (average chain length, c12; approx. 60% Cl by weight) | 108171-26-2 | 8.90E-02 | 1.00 | 1.00 | | | | | |
| Perchloroethylene (or tetrachloroethylene) | 127-18-4 | 2.10E-02 | 1.00 | 1.00 | 3.50E+01 | 1.00 | 1.00 | 2.00E+04 | 1 |
| Phenol | 108-95-2 | | | | 2.00E+02 | 1.00 | 1.00 | 5.80E+03 | 1 |
| Phosgene | 75-44-5 | | | | | | | 4.00E+00 | 1 |
| Phosphorus and phosphorus compounds* | | | | | | | | | |
| Phosphine | 7803-51-2 | | | | 8.00E-01 | 1.00 | 1.00 | | |
| Phosphoric acid | 7664-38-2 | | | | 7.00E+00 | 1.00 | 1.00 | | |

SCAQMD PERMIT APPLICATION PACKAGE “L”
Tables Effective for Applications Deemed Complete On or After July 1, 2005

Table – 8A
Inhalation Cancer Potency (CP), Reference Exposure Level (REL) and Multi Pathway Adjustment Factors (MP)

| Toxic Air Contaminant | CAS NO | cancer | | | chronic | | | acute | |
|--|------------|--------------------------------|-----------------|-----------------|-----------------------------|-----------------|-----------------|-----------------------------|------------|
| | | CP (mg/kg-dy) ⁻¹ | MP _R | MP _W | REL (ug/m ³) | MP _R | MP _W | REL (ug/m ³) | Avg Hrs |
| Phthalic anhydride | 85-44-9 | | | | 2.00E+01 | 1.00 | 1.00 | | |
| Polycyclic Aromatic Hydrocarbon (PAHs) | 1150&1151 | 3.90E+00 | 29.76 | 14.62 | | | | | |
| Benz[a]anthracene | 56-55-3 | 3.90E-01 | 29.76 | 14.62 | | | | | |
| Benzo[a]pyrene | 50-32-8 | 3.90E+00 | 29.76 | 14.62 | | | | | |
| Benzo[b]fluoranthene | 205-99-2 | 3.90E-01 | 29.76 | 14.62 | | | | | |
| Benzo[j]fluoranthene | 205-82-3 | 3.90E-01 | 29.76 | 14.62 | | | | | |
| Benzo[k]fluoranthene | 207-08-9 | 3.90E-01 | 29.76 | 14.62 | | | | | |
| Chrysene | 218-01-9 | 3.90E-02 | 29.76 | 14.62 | | | | | |
| Dibenz[a,h]acridine | 226-36-8 | 3.90E-01 | 29.76 | 14.62 | | | | | |
| Dibenz[a,h]anthracene | 53-70-3 | 4.10E+00 | 10.26 | 5.45 | | | | | |
| Dibenz[a,j]acridine | 224-42-0 | 3.90E-01 | 29.76 | 14.62 | | | | | |
| Dibenzo[a,e]pyrene | 192-65-4 | 3.90E+00 | 29.76 | 14.62 | | | | | |
| Dibenzo[a,h]pyrene | 189-64-0 | 3.90E+01 | 29.76 | 14.62 | | | | | |
| Dibenzo[a,i]pyrene | 189-55-9 | 3.90E+01 | 29.76 | 14.62 | | | | | |
| Dibenzo[a,l]pyrene | 191-30-0 | 3.90E+01 | 29.76 | 14.62 | | | | | |
| Dibenzo[c,g]carbazole, 7H- | 194-59-2 | 3.90E+00 | 29.76 | 14.62 | | | | | |
| Dimethylbenz[a]anthracene, 7,12- | 57-97-6 | 2.50E+02 | 10.26 | 5.45 | | | | | |
| Dinitropyrene, 1,6- | 42397-64-8 | 3.90E+01 | 29.76 | 14.62 | | | | | |
| Dinitropyrene, 1,8- | 42397-65-9 | 3.90E+00 | 29.76 | 14.62 | | | | | |
| Indeno(1,2,3-C,D)pyrene | 193-39-5 | 3.90E-01 | 29.76 | 14.62 | | | | | |
| Methylcholanthrene, 3- | 56-49-5 | 2.20E+01 | 10.26 | 5.48 | | | | | |
| Methylchrysene, 5- | 3697-24-3 | 3.90E+00 | 29.76 | 14.62 | | | | | |
| Napthalene | 91-20-3 | 1.20E-01 | 1 | 1 | 9.00E+00 | 1 | 1 | | |
| Nitroacenaphthene, 5- | 602-87-9 | 1.30E-01 | 10.28 | 5.47 | | | | | |
| Nitrochrysene, 6- | 7496-02-8 | 3.90E+01 | 29.76 | 14.62 | | | | | |
| Nitrofluorene, 2- | 607-57-8 | 3.90E-02 | 29.76 | 14.62 | | | | | |
| Nitropyrene, 1- | 5522-43-0 | 3.90E-01 | 29.76 | 14.62 | | | | | |
| Nitropyrene, 4- | 57835-92-4 | 3.90E-01 | 29.76 | 14.62 | | | | | |
| Polychlorinated biphenyls (PCBs) | 1336-36-3 | 2.00E+00 | 15.29 | 4.46 | 1.20E+00 | 18.15 | 9.67 | | |
| Polychlorinated biphenyls, Speciated (PCBs) | | | | | | | | | |
| Tetrachlorobiphenyl, 3,3',4,4'- (PCB 77) | 32598-13-3 | 1.30E+01 | 15.26 | 4.46 | 4.00E-01 | 18.15 | 9.67 | | |
| Tetrachlorobiphenyl, 3,4,4',5'- (PCB 81) | 70362-50-4 | 3.90E+01 | 15.25 | 4.44 | 1.30E-01 | 17.88 | 9.56 | | |
| Pentachlorobiphenyl, 2,3,3',4,4'- (PCB 105) | 32598-14-4 | 3.90E+00 | 15.25 | 4.44 | 1.30E+00 | 17.88 | 9.56 | | |
| Pentachlorobiphenyl, 2,3,4,4',5'- (PCB 114) | 74472-37-0 | 3.90E+00 | 15.25 | 4.44 | 1.30E+00 | 17.88 | 9.56 | | |
| Pentachlorobiphenyl, 2,3',4,4',5'- (PCB 118) | 31508-00-6 | 3.90E+00 | 15.25 | 4.44 | 1.3E+00 | 17.88 | 9.56 | | |
| Pentachlorobiphenyl, 2',3,4,4',5'- (PCB 123) | 65510-44-3 | 3.90E+00 | 15.25 | 4.44 | 1.30E+00 | 17.88 | 9.56 | | |
| Pentachlorobiphenyl, 3,3',4,4',5'- (PCB 126) | 57465-28-8 | 1.30E+04 | 15.26 | 4.46 | 4.00E-04 | 18.15 | 9.67 | | |
| Hexachlorobiphenyl, 2,3,3',4,4',5'- (PCB 156) | 38380-08-4 | 3.90E+00 | 15.25 | 4.44 | 1.30E+00 | 17.88 | 9.56 | | |
| Hexachlorobiphenyl, 2,3,3',4,4',5'- (PCB 157) | 69782-90-7 | 3.90E+00 | 15.25 | 4.44 | 1.30E+00 | 17.88 | 9.56 | | |
| Hexachlorobiphenyl, 2,3',4,4',5,5'- (PCB 167) | 52663-72-6 | 3.90E+00 | 15.25 | 4.44 | 1.30E+00 | 17.88 | 9.56 | | |
| Hexachlorobiphenyl, 3,3',4,4',5,5'- (PCB 169) | 32774-16-6 | 3.90E+03 | 15.25 | 4.44 | 1.30E-03 | 17.88 | 9.56 | | |
| Heptachlorobiphenyl, 2,3,3',4,4',5,5'- (PCB 189) | 39635-31-9 | 3.90E+00 | 15.25 | 4.44 | 1.30E+00 | 17.88 | 9.56 | | |
| | | | | | | | | | |
| | | | | | | | | | |

SCAQMD PERMIT APPLICATION PACKAGE “L”
Tables Effective for Applications Deemed Complete On or After July 1, 2005

Table – 8A
Inhalation Cancer Potency (CP), Reference Exposure Level (REL) and Multi Pathway Adjustment Factors (MP)

| Toxic Air Contaminant | CAS NO | cancer | | | chronic | | | acute | |
|---|------------|--------------------------------|-----------------|-----------------|-----------------------------|-----------------|-----------------|-----------------------------|------------|
| | | CP (mg/kg-dy) ⁻¹ | MP _R | MP _W | REL (ug/m ³) | MP _R | MP _W | REL (ug/m ³) | Avg Hrs |
| Polychlorinated Dibenzo-p-Dioxins (PCDD) (as 2,3,7,8-Equiv) and total | | 1.30E+05 | 9.75 | 3.36 | 4.00E-05 | 11.53 | 6.90 | | |
| Tetrachlorodibenzo-p-dioxin, 2,3,7,8- | 1746-01-6 | 1.30E+05 | 9.75 | 3.36 | 4.00E-05 | 11.53 | 6.90 | | |
| Pentachlorodibenzo-p-dioxin, 1,2,3,7,8- | 40321-76-4 | 1.30E+05 | 9.75 | 3.36 | 4.00E-05 | 11.53 | 6.90 | | |
| Hexachlorodibenzo-p-dioxin, 1,2,3,4,7,8- | 39227-28-6 | 1.30E+04 | 9.75 | 3.36 | 4.00E-04 | 11.53 | 6.90 | | |
| Hexachlorodibenzo-p-dioxin, 1,2,3,6,7,8- | 57653-85-7 | 1.30E+04 | 9.75 | 3.36 | 4.00E-04 | 11.53 | 6.90 | | |
| Hexachlorodibenzo-p-dioxin, 1,2,3,7,8,9- | 19408-74-3 | 1.30E+04 | 9.75 | 3.36 | 4.00E-04 | 11.53 | 6.90 | | |
| Heptachlorodibenzo-p-dioxin, 1,2,3,4,6,7,8- | 35822-46-9 | 1.30E+03 | 9.75 | 3.36 | 4.00E-03 | 11.53 | 6.90 | | |
| Octachlorodibenzo-p-dioxin, 1,2,3,4,6,7,8,9- | 3268-87-9 | 3.90E+01 | 9.73 | 3.35 | 1.30E-01 | 11.38 | 6.85 | | |
| Polychlorinated Dibenzofurans (PCDF) (as 2,3,7,8-Equiv) and total | | 1.30E+05 | 9.75 | 3.36 | 4.00E-05 | 11.53 | 6.90 | | |
| Tetrachlorodibenzofuran, 2,3,7,8- | 51207-31-9 | 1.30E+04 | 9.75 | 3.36 | 4.00E-04 | 11.53 | 6.90 | | |
| Pentachlorodibenzofuran, 1,2,3,7,8- | 57117-41-6 | 3.90E+03 | 9.73 | 3.35 | 1.30E-03 | 11.38 | 6.85 | | |
| Pentachlorodibenzofuran, 2,3,4,7,8- | 57117-31-4 | 3.90E+04 | 9.73 | 3.35 | 1.30E-04 | 11.38 | 6.85 | | |
| Hexachlorodibenzofuran, 1,2,3,4,7,8- | 70648-26-9 | 1.30E+04 | 9.75 | 3.36 | 4.00E-04 | 11.53 | 6.90 | | |
| Hexachlorodibenzofuran, 1,2,3,6,7,8- | 57117-44-9 | 1.30E+04 | 9.75 | 3.36 | 4.00E-04 | 11.53 | 6.90 | | |
| Hexachlorodibenzofuran, 1,2,3,7,8,9- | 72918-21-9 | 1.30E+04 | 9.75 | 3.36 | 4.00E-04 | 11.53 | 6.90 | | |
| Hexachlorodibenzofuran, 2,3,4,6,7,8- | 60851-34-5 | 1.30E+04 | 9.75 | 3.36 | 4.00E-04 | 11.53 | 6.90 | | |
| Heptachlorodibenzofuran, 1,2,3,4,6,7,8- | 67562-39-4 | 1.30E+03 | 9.75 | 3.36 | 4.00E-03 | 11.53 | 6.90 | | |
| Heptachlorodibenzofuran, 1,2,3,4,7,8,9- | 55673-89-7 | 1.30E+03 | 9.75 | 3.36 | 4.00E-03 | 11.53 | 6.90 | | |
| Octachlorodibenzofuran, 1,2,3,4,6,7,8,9- | 39001-02-0 | 3.90E+01 | 9.73 | 3.35 | 1.30E-01 | 11.38 | 6.85 | | |
| Potassium bromate | 7758-01-2 | 4.90E-01 | 1.00 | 1.00 | | | | | |
| Propane sultone, 1,3- | 1120-71-4 | 2.40E+00 | 1.00 | 1.00 | | | | | |
| Propylene | 115-07-1 | | | | 3.00E+03 | 1.00 | 1.00 | | |
| Propylene glycol monomethyl ether | 107-98-2 | | | | 7.00E+03 | 1.00 | 1.00 | | |
| Propylene oxide (or 1,2-epoxy propane) | 75-56-9 | 1.30E-02 | 1.00 | 1.00 | 3.00E+01 | 1.00 | 1.00 | 3.10E+03 | 1 |
| Selenium and selenium compounds, other than hydrogen selenide | 7782-49-2 | | | | 2.00E+01 | 1.00 | 1.00 | | |
| Hydrogen selenide | 7783-07-5 | | | | | | | 5.00E+00 | 1 |
| Silica, Crystalline* | | | | | | | | | |
| Styrene (vinyl benzene) | 100-42-5 | | | | 9.00E+02 | 1.00 | 1.00 | 2.10E+04 | 1 |
| Styrene oxide* | | | | | | | | | |
| Sulfuric acid and oleum | 7664-93-9 | | | | 1.00E+00 | 1.00 | 1.00 | 1.20E+02 | 1 |
| Sulfuric acid* | | | | | | | | | |
| Sulfur trioxide* | | | | | | | | | |
| Oleum* | | | | | | | | | |
| Silver and silver compounds* | | | | | | | | | |
| Sodium hydroxide | 1310-73-2 | | | | | | | 8.00E+00 | 1 |
| Tetrachloroethane 1,1,2,2- | 79-34-5 | 2.00E-01 | 1.00 | 1.00 | | | | | |
| Thioacetamide | 62-55-5 | 6.10E+00 | 1.00 | 1.00 | | | | | |
| Toluene (methyl benzene) | 108-88-3 | | | | 3.00E+02 | 1.00 | 1.00 | 3.70E+04 | 1 |
| Toluene diisocyanates | 26471-62-5 | 3.90E-02 | 1.00 | 1.00 | 7.00E-02 | 1.00 | 1.00 | | |
| Toluene-2,4-diisocyanate | 584-84-9 | 3.90E-02 | 1.00 | 1.00 | 7.00E-02 | 1.00 | 1.00 | | |
| Toluene-2,6-diisocyanate | 91-08-7 | 3.90E-02 | 1.00 | 1.00 | 7.00E-02 | 1.00 | 1.00 | | |

SCAQMD PERMIT APPLICATION PACKAGE “L”
Tables Effective for Applications Deemed Complete On or After July 1, 2005

Table – 8A
Inhalation Cancer Potency (CP), Reference Exposure Level (REL) and Multi Pathway Adjustment Factors (MP)

| Toxic Air Contaminant | CAS NO | cancer | | | chronic | | | acute | |
|---|-----------|--------------------------------|-----------------|-----------------|-----------------------------|-----------------|-----------------|-----------------------------|------------|
| | | CP (mg/kg-dy) ⁻¹ | MP _R | MP _W | REL (ug/m ³) | MP _R | MP _W | REL (ug/m ³) | Avg Hrs |
| Trichloroethane, 1,1,2- | 79-00-5 | 5.70E-02 | 1.00 | 1.00 | | | | | |
| Trichloroethylene | 79-01-6 | 7.00E-03 | 1.00 | 1.00 | 6.00E+02 | 1.00 | 1.00 | | |
| Triethylamine | 121-44-8 | | | | 2.00E+02 | 1.00 | 1.00 | 2.80E+03 | 1 |
| Urethane (or ethyl carbamate) | 51-79-6 | 1.00E+00 | 1.00 | 1.00 | | | | | |
| Vanadium Compounds | | | | | | | | | |
| Vanadium (fume or dust)* | | | | | | | | | |
| Vanadium pentoxide | 1314-62-1 | | | | | | | 3.00E+01 | 1 |
| Vinyl acetate | 108-05-4 | | | | 2.00E+02 | 1.00 | 1.00 | | |
| Vinyl bromide* | | | | | | | | | |
| Vinyl chloride (chloroethylene) | 75-01-4 | 2.70E-01 | 1.00 | 1.00 | | | | 1.80E+05 | 1 |
| Vinylidene chloride*(1,1,-Dichloroethylene) | 75-35-4 | | | | | | | | |
| Xylenes (isomers and mixtures) | 1330-20-7 | | | | 7.00E+02 | 1.00 | 1.00 | 2.20E+04 | 1 |
| Xylene, m- | 108-38-3 | | | | 7.00E+02 | 1.00 | 1.00 | 2.20E+04 | 1 |
| Xylene, o- | 95-47-6 | | | | 7.00E+02 | 1.00 | 1.00 | 2.20E+04 | 1 |
| Xylene, p- | 106-42-3 | | | | 7.00E+02 | 1.00 | 1.00 | 2.20E+04 | 1 |
| Zinc and zinc compounds* | | | | | | | | | |
| Zinc oxide* | | | | | | | | | |

* The compound has proposed risk values either for cancer or non-cancer that once approved will be added later.

¹For Lead Chromate, use the corresponding risk values for Lead and Chromium and apply metal equivalents for each metal obtained from the following for:

$$\text{Lead} = (207 \text{ lb Pb} / 323 \text{ lb PbCrO}_4) \times 100 = 64.1\%$$

$$\text{Chromium (hexavalent)} = (52 \text{ lb Cr} / 323 \text{ lb PbCrO}_4) \times 100 = 16.1\%$$

SCAQMD PERMIT APPLICATION PACKAGE "L"
Tables Effective for Applications Deemed Complete On or After July 1, 2005

Table – 8B
Adjustment Factors (AF) for Compounds With REL Averaged Over 4, 6, and 7 Hours
Point Source

| Station | 4 HRS | 6 or 7 HRS | Station | 4 HRS | 6 or 7 HRS |
|----------------|--------------|-------------------|------------------|--------------|-------------------|
| Anaheim | 0.93 | 0.77 | Lynwood | 0.87 | 0.79 |
| Azusa | 0.78 | 0.59 | Malibu | 0.86 | 0.69 |
| Banning | 0.85 | 0.71 | Newhall | 0.87 | 0.77 |
| Burbank | 0.94 | 0.84 | Norco | 0.81 | 0.75 |
| Canoga Park | 0.97 | 0.75 | Palm Springs | 0.75 | 0.69 |
| Compton | 0.92 | 0.67 | Pasadena | 0.93 | 0.87 |
| Costa Mesa | 0.87 | 0.88 | Pico Rivera | 0.84 | 0.85 |
| Downtown L.A. | 0.80 | 0.84 | Pomona | 0.94 | 0.78 |
| El Toro | 0.98 | 0.77 | Redlands | 0.97 | 0.88 |
| Fontana | 0.92 | 0.78 | Reseda | 0.95 | 0.72 |
| Indio | 0.70 | 0.54 | Riverside | 0.81 | 0.83 |
| King Harbor | 0.70 | 0.62 | Santa Ana Canyon | 0.84 | 0.71 |
| La Canada | 0.94 | 0.91 | Upland | 0.84 | 0.72 |
| La Habra | 0.85 | 0.82 | Vernon | 0.81 | 0.61 |
| Lancaster | 0.83 | 0.68 | Walnut | 0.78 | 0.74 |
| Lennox | 0.91 | 0.66 | West L.A. | 0.92 | 0.83 |
| Long Beach | 0.89 | 0.73 | Whittier | 0.97 | 0.66 |
| Los Alamitos | 0.84 | 0.72 | | | |

SCAQMD PERMIT APPLICATION PACKAGE "L"
Tables Effective for Applications Deemed Complete On or After July 1, 2005

Table – 8C
Adjustment Factors (AF) for Compounds With REL Averaged Over 4, 6, and 7 Hours
Volume Source

| Station | 4 HRS | 6 or 7 HRS | Station | 4 HRS | 6 or 7 HRS |
|----------------|--------------|-------------------|------------------|--------------|-------------------|
| Anaheim | 0.95 | 0.81 | Lynwood | 0.91 | 0.85 |
| Azusa | 0.86 | 0.77 | Malibu | 0.90 | 0.76 |
| Banning | 0.88 | 0.75 | Newhall | 0.91 | 0.82 |
| Burbank | 0.96 | 0.88 | Norco | 0.86 | 0.79 |
| Canoga Park | 0.98 | 0.83 | Palm Springs | 0.79 | 0.74 |
| Compton | 0.94 | 0.71 | Pasadena | 0.98 | 0.91 |
| Costa Mesa | 0.98 | 0.98 | Pico Rivera | 0.96 | 0.90 |
| Downtown L.A. | 0.86 | 0.88 | Pomona | 0.96 | 0.87 |
| El Toro | 0.98 | 0.89 | Redlands | 0.98 | 0.92 |
| Fontana | 0.94 | 0.84 | Reseda | 0.96 | 0.77 |
| Indio | 0.74 | 0.59 | Riverside | 0.89 | 0.88 |
| King Harbor | 0.78 | 0.70 | Santa Ana Canyon | 0.88 | 0.84 |
| La Canada | 0.98 | 0.94 | Upland | 0.87 | 0.80 |
| La Habra | 0.93 | 0.89 | Vernon | 0.85 | 0.67 |
| Lancaster | 0.96 | 0.73 | Walnut | 0.93 | 0.72 |
| Lennox | 0.94 | 0.77 | West L.A. | 0.95 | 0.88 |
| Long Beach | 0.92 | 0.87 | Whittier | 0.98 | 0.78 |
| Los Alamitos | 0.87 | 0.80 | | | |

SCAQMD PERMIT APPLICATION PACKAGE “L”
Tables Effective for Applications Deemed Complete On or After July 1, 2005

Table – 9A
Daily Breathing Rate (DBR) Factors

| Type of Receptor | DBR Value (liters/kilogram-day) |
|-------------------------|--|
| Sensitive | 302 |
| Residential | 302 |
| Off-site Worker | 149 |

Table – 9B
Exposure Value Factors (EVF)

| Type of Receptor | EVF Value (unitless) |
|-------------------------|-----------------------------|
| Sensitive | 0.96 |
| Residential | 0.96 |
| Off-site Worker | 0.38 |

Only the EVF values in Table 9B should be used in a Tier 2 calculation. No further prorating of the published EVF values or consideration of other operating schedules is allowed.

SCAQMD PERMIT APPLICATION PACKAGE "L"
Tables Effective for Applications Deemed Complete On or After July 1, 2005

Table – 10A
Target Organs Affected by Toxic Air Contaminants (Chronic Toxicity)

| Toxic Air Contaminant | AL | BN | CV | DEV | END | EYE | HEM | IMM | KID | NS | REP | RESP | SKIN |
|--|----|----|----|-----|-----|-----|-----|-----|-----|----|-----|------|------|
| Acetaldehyde | | | | | | | | | | | | X | |
| Acrolein | | | | | | | | | | | | X | |
| Acrylonitrile | | | | | | | | | | | | X | |
| Ammonia | | | | | | | | | | | | X | |
| Arsenic & Compounds (Inorganic) | | | X | X | | | | | | X | | X | X |
| Arsine | | | X | X | | | | | | X | | X | X |
| Benzene | | | | X | | | X | | | X | | | |
| Beryllium and compounds | | | | | | | | X | | | | X | |
| Butadiene, 1,3- | | | | | | | | | | | X | | |
| Cadmium & Compounds | | | | | | | | | X | | | X | |
| Carbon disulfide | | | | | | | | | | X | X | | |
| Carbon tetrachloride | X | | | X | | | | | | X | | | |
| Chlorine | | | | | | | | | | | | X | |
| Chlorine dioxide | | | | | | | | | | | | X | |
| Chlorobenzene | X | | | | | | | | X | | X | | |
| Chloroform | X | | | X | | | | | X | | | | |
| Chloropicrin | | | | | | | | | | | | X | |
| Chromium, hexavalent | | | | | | | | | | | | X | |
| Barium Chromate | | | | | | | | | | | | X | |
| Calcium Chromate | | | | | | | | | | | | X | |
| Lead Chromate | | | | | | | | | | | | X | |
| Sodium dichromate | | | | | | | | | | | | X | |
| Strontium chromate | | | | | | | | | | | | X | |
| Chromic trioxide (as chromic acid mist) | | | | | | | | | | | | X | |
| Cresol mixtures | | | | | | | | | | X | | | |
| Cresol, m- | | | | | | | | | | X | | | |
| Cresol, o- | | | | | | | | | | X | | | |
| Cresol, p- | | | | | | | | | | X | | | |
| Cyanide compounds(inorganic) | | | | | | | | | | | | | |
| Hydrogen cyanide | | | X | | X | | | | | X | | | |
| Dichlorobenzene, p- | X | | | | | | | | X | X | | X | |
| Diesel exhaust particulates – particulates from diesel fueled internal combustion engine exhaust | | | | | | | | | | | | X | |
| Diethanolamine | | | X | | | | | | | X | | | |
| Dimethylformamide(n,n) | X | | | | | | | | | | | X | |
| Dioxane, 1,4- | X | | X | | | | | | X | | | | |
| Epichlorohydrin | | | | | | X | | | | | | X | |
| Epoxybutane (1,2-) | | | X | | | | | | | | | X | |
| Ethyl benzene | X | | | X | X | | | | X | | | | |
| Ethyl chloride | X | | | X | | | | | | | | | |
| Ethylene dibromide | | | | | | | | | | | X | | |
| Ethylene dichloride | X | | | | | | | | | | | | |

SCAQMD PERMIT APPLICATION PACKAGE “L”
Tables Effective for Applications Deemed Complete On or After July 1, 2005

Table – 10A (continued)
Target Organs Affected by Toxic Air Contaminants (Chronic Toxicity)

| Toxic Air Contaminant | AL | BN | CV | DEV | END | EYE | HEM | IMM | KID | NS | REP | RESP | SKIN |
|---|----|----|----|-----|-----|-----|-----|-----|-----|----|-----|------|------|
| Ethylene oxide | | | | | | | | | | X | | | |
| Fluoride and fluoride compounds | | X | | | | | | | | | | X | |
| Hydrogen fluoride (hydrofluoric acid) | | X | | | | | | | | | | X | |
| Formaldehyde | | | | | | | | | | | | X | |
| Glutaraldehyde | | | | | | | | | | | | X | |
| Ethylene glycol | | | | X | | | | | X | | | X | |
| Ethylene glycol ethyl ether (EGEE) | | | | | | | X | | | | X | | |
| Ethylene glycol monoethyl ether acetate (EGEEA) | | | | X | | | | | | | | | |
| Ethylene glycol monomethyl ether (EGME) | | | | | | | | | | | X | | |
| Ethylene glycol monomethyl ether acetate | | | | | | | | | | | X | | |
| Hexane (n-) | | | | | | | | | | X | | | |
| Hydrazine | X | | | | X | | | | | | | | |
| Hydrogen chloride (hydrochloric acid) | | | | | | | | | | | | X | |
| Hydrogen sulfide | | | | | | | | | | | | X | |
| Isophorone | X | | | X | | | | | | | | | |
| Isopropyl alcohol (Isopropanol) | | | | X | | | | | X | | | | |
| Maleic anhydride | | | | | | | | | | | | X | |
| Manganese and manganese compounds | | | | | | | | | | X | | | |
| Mercury & mercury compounds (inorganic) | | | | X | | | | | X | X | | | |
| Mercuric chloride | | | | X | | | | | X | X | | | |
| Methanol | | | | X | | | | | | | | | |
| Methyl bromide (Bromomethane) | | | | X | | | | | | X | | X | |
| Methyl chloroform (1,1,1 TCA) | | | | | | | | | | X | | | |
| Methyl isocyanate | | | | | | | | | | | X | X | |
| Methylene chloride (Dichloromethane) | | | X | | | | | | | X | | | |
| 4,4'-Methylene dianiline (and its dichloride) | X | | | | | X | | | | | | | |
| Methylene diphenyl isocyanate | | | | | | | | | | | | X | |
| Methyl tertiary-butyl ether | X | | | | | X | | | X | | | | |
| Nickel & nickel compounds | | | | | | | X | | | | | X | |
| Nickel acetate | | | | | | | X | | | | | X | |
| Nickel carbonate | | | | | | | X | | | | | X | |
| Nickel carbonyl | | | | | | | X | | | | | X | |
| Nickel hydroxide | | | | | | | X | | | | | X | |
| Nickelocene | | | | | | | X | | | | | X | |
| Nickel oxide | | | | | | | X | | | | | X | |
| Nickel refinery dust (from pyrometallurgical process) | | | | | | | X | | | | | X | |
| Nickel subsulfide | | | | | | | X | | | | | X | |
| Perchloroethylene | X | | | | | | | | X | | | | |
| Phenol | X | | X | | | | | | X | X | | | |

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Table – 10A (continued)
Target Organs Affected by Toxic Air Contaminants (Chronic Toxicity)

| Toxic Air Contaminant | AL | BN | CV | DEV | END | EYE | HEM | IMM | KID | NS | REP | RESP | SKIN |
|--|----|----|----|-----|-----|-----|-----|-----|-----|----|-----|------|------|
| Phosphine | X | | | | | | X | | | X | | X | |
| Phosphoric acid | | | | | | | | | | | | X | |
| Phthalic anhydride | | | | | | | | | | | | X | |
| Polycyclic Aromatic Hydrocarbon (PAH) | | | | | | | | | | | | | |
| Naphthalene | | | | | | | | | | | | X | |
| Polychlorinated biphenyls (PCBs) | X | | | X | X | | X | | | | X | X | |
| Polychlorinated biphenyls, Speciated (PCBs) | X | | | X | X | | X | | | | X | X | |
| Tetrachlorobiphenyl, 3,3',4,4'- (PCB 77) | X | | | X | X | | X | | | | X | X | |
| Tetrachlorobiphenyl, 3,4,4',5'- (PCB 81) | X | | | X | X | | X | | | | X | X | |
| Pentachlorobiphenyl, 2,3,3',4,4'- (PCB 105) | X | | | X | X | | X | | | | X | X | |
| Pentachlorobiphenyl, 2,3,4,4',5'- (PCB 114) | X | | | X | X | | X | | | | X | X | |
| Pentachlorobiphenyl, 2,3',4,4',5'- (PCB 118) | X | | | X | X | | X | | | | X | X | |
| Pentachlorobiphenyl, 3,3',4,4',5'- (PCB 126) | X | | | X | X | | X | | | | X | X | |
| Hexachlorobiphenyl, 2,3,3',4,4',5'- (PCB 156) | X | | | X | X | | X | | | | X | X | |
| Hexachlorobiphenyl, 2,3,3',4,4',5'- (PCB 157) | X | | | X | X | | X | | | | X | X | |
| Hexachlorobiphenyl, 2,3',4,4',5,5'- (PCB 167) | X | | | X | X | | X | | | | X | X | |
| Hexachlorobiphenyl, 3,3',4,4',5,5'- (PCB 169) | X | | | X | X | | X | | | | X | X | |
| Heptachlorobiphenyl, 2,3,3',4,4',5,5'- (PCB 189) | X | | | X | X | | X | | | | X | X | |
| Pentachlorobiphenyl, 3,3',4,4',5'- (PCB 126) | X | | | X | X | | X | | | | X | X | |
| Polychlorinated Dibenzo-p-Dioxins (PCDD) (as 2,3,7,8-Eqiv) and total | X | | | X | X | | X | | | | X | X | |
| Tetrachlorodibenzo-p-dioxin, 2,3,7,8- | X | | | X | X | | X | | | | X | X | |
| Pentachlorodibenzo-p-dioxin, 1,2,3,7,8- | X | | | X | X | | X | | | | X | X | |
| Hexachlorodibenzo-p-dioxin, 1,2,3,4,7,8- | X | | | X | X | | X | | | | X | X | |
| Hexachlorodibenzo-p-dioxin, 1,2,3,6,7,8- | X | | | X | X | | X | | | | X | X | |
| Hexachlorodibenzo-p-dioxin, 1,2,3,7,8,9- | X | | | X | X | | X | | | | X | X | |
| Heptachlorodibenzo-p-dioxin, 1,2,3,4,6,7,8- | X | | | X | X | | X | | | | X | X | |
| Octachlorodibenzo-p-dioxin, 1,2,3,4,6,7,8,9- | X | | | X | X | | X | | | | X | X | |
| Polychlorinated Dibenzofurans (PCDF) (as 2,3,7,8-Eqiv) and total | X | | | X | X | | X | | | | X | X | |
| Tetrachlorodibenzofuran, 2,3,7,8- | X | | | X | X | | X | | | | X | X | |
| Pentachlorodibenzofuran, 1,2,3,7,8- | X | | | X | X | | X | | | | X | X | |
| Pentachlorodibenzofuran, 2,3,4,7,8- | X | | | X | X | | X | | | | X | X | |
| Hexachlorodibenzofuran, 1,2,3,4,7,8- | X | | | X | X | | X | | | | X | X | |
| Hexachlorodibenzofuran, 1,2,3,6,7,8- | X | | | X | X | | X | | | | X | X | |
| Hexachlorodibenzofuran, 1,2,3,7,8,9- | X | | | X | X | | X | | | | X | X | |
| Hexachlorodibenzofuran, 2,3,4,6,7,8- | X | | | X | X | | X | | | | X | X | |
| Heptachlorodibenzofuran, 1,2,3,4,6,7,8- | X | | | X | X | | X | | | | X | X | |
| Heptachlorodibenzofuran, 1,2,3,4,7,8,9- | X | | | X | X | | X | | | | X | X | |

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Table – 10A (continued)
Target Organs Affected by Toxic Air Contaminants (Chronic Toxicity)

| Toxic Air Contaminant | AL | BN | CV | DEV | END | EYE | HEM | IMM | KID | NS | REP | RESP | SKIN |
|---|----|----|----|-----|-----|-----|-----|-----|-----|----|-----|------|------|
| Octachlorodibenzofuran, 1,2,3,4,6,7,8,9- | x | | | x | x | | x | | | | x | x | |
| Propylene (Propene) | | | | | | | | | | | | x | |
| Propylene glycol monomethyl ether | x | | | | | | | | | | | | |
| Propylene oxide | | | | | | | | | | | | x | |
| Styrene | | | | | | | | | | x | | | |
| Sulfuric acid and oleum | | | | | | | | | | | | x | |
| Sulfuric acid | | | | | | | | | | | | x | |
| Sulfur trioxide | | | | | | | | | | | | | |
| Oleum | | | | | | | | | | | | x | |
| Toluene | | | | x | | | | | | x | | x | |
| Toluene diisocyanates | | | | | | | | | | | | | |
| Toluene-2,4-diisocyanate | | | | | | | | | | | | x | |
| Toluene-2,6-diisocyanate | | | | | | | | | | | | x | |
| Trichloroethylene | | | | | | x | | | | x | | | |
| Triethylamine | | | | | | x | | x | | | | x | |
| Vinyl acetate | | | | | | | | | | | | x | |
| Vinylidene Chloride (1,1,-Dichloroethylene) | x | | | | | | | | | | | | |
| Xylenes isomers and mixtures) | | | | | | | | | | x | | x | |
| Xylene, m- | | | | | | | | | | x | | x | |
| Xylene, o- | | | | | | | | | | x | | x | |
| Xylene, p- | | | | | | | | | | x | | x | |

AL: Alimentary system (liver)
 BN: Bones and teeth
 CV: Cardiovascular system
 DEV: Developmental
 END: Endocrine system
 EYE: Eye
 HEM: Hematopoietic system
 IMM: Immune system
 KID: Kidney
 NS: Nervous system
 REP: Reproductive system
 RESP: Respiratory system
 SKIN: Skin

SCAQMD PERMIT APPLICATION PACKAGE “L”
Tables Effective for Applications Deemed Complete On or After July 1, 2005

Table – 10B
Target Organs Affected by Toxic Air Contaminants (Acute Toxicity)

| Toxic Air Contaminant | AL | CV | DEV | EYE | HEM | IMM | NS | REP | RESP | SKIN |
|---|-----------|-----------|------------|------------|------------|------------|-----------|------------|-------------|-------------|
| Acetaldehyde | | | | X | | | | | X | |
| Acrolein | | | | X | | | | | X | |
| Acrylic acid | | | | X | | | | | X | |
| Ammonia | | | | X | | | | | X | |
| Arsenic and arsenic compounds (inorganic) | | X | X | | | | X | | | |
| Arsine | | X | X | | | | X | | | |
| Benzene | | | X | | X | X | | X | | |
| Benzyl chloride | | | | X | | | | | X | |
| Carbon disulfide | | | X | | | | X | X | | |
| Carbon tetrachloride | X | | X | | | | X | X | | |
| Chlorine | | | | X | | | | | X | |
| Chloroform | | | X | | | | X | X | | |
| Chloropicrin | | | | X | | | | | X | |
| Copper and copper compounds | | | | | | | | | X | |
| Cyanide Compounds | | | | | | | | | | |
| Hydrogen cyanide (hydrocyanic acid) | | | | | | | X | | | |
| Dioxane, 1,4 | | | | X | | | | | X | |
| Epichlorohydrin | | | | X | | | | | X | |
| Fluorides and Compounds | | | | | | | | | | |
| Hydrogen fluoride (hydrofluoric acid) | | | | X | | | | | X | |
| Formaldehyde | | | | X | | | | | | |
| Ethylene glycol ethyl ether (EGEE) | | | X | | | | | X | | |
| Ethylene glycol monobutyl ether | | | | X | | | | | X | |
| Ethylene glycol monoethyl ether acetate (EGEEA) | | | X | | | | X | X | | |
| Ethylene glycol monomethyl ether (EGME) | | | X | | | | | X | | |
| Hydrogen chloride (hydrochloric acid) | | | | X | | | | | X | |
| Hydrogen sulfide | | | | | | | X | | | |
| Isopropyl alcohol | | | | X | | | | | X | |
| Mercury and compounds (inorganic) | | | X | | | | X | | | |
| Mercuric chloride | | | X | | | | X | | | |
| Methanol | | | | | | | X | | | |
| Methyl bromide | | | X | | | | X | X | X | |
| Methyl chloroform (1,1,1-TCA) | | | | | | | X | | | |
| Methyl ethyl ketone | | | | X | | | | | X | |
| Methylene chloride | | | | | | | X | | | |
| Nickel and nickel compounds | | | | | | X | | | X | |
| Nickel acetate | | | | | | X | | | X | |
| Nickel carbonate | | | | | | X | | | X | |
| Nickel carbonyl | | | | | | X | | | X | |
| Nickel hydroxide | | | | | | X | | | X | |
| Nickelocene | | | | | | X | | | X | |

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Table – 10B (continued)
Target Organs Affected by Toxic Air Contaminants (Acute Toxicity)

| Toxic Air Contaminant | AL | CV | DEV | EYE | HEM | IMM | NS | REP | RESP | SKIN |
|---|-----------|-----------|------------|------------|------------|------------|-----------|------------|-------------|-------------|
| Nickel oxide | | | | | | X | | | X | |
| Nickel refinery dust (from pyrometallurgical process) | | | | | | X | | | X | |
| Nickel subsulfide | | | | | | X | | | X | |
| Nitric acid | | | | | | | | | X | |
| Perchloroethylene | | | | X | | | X | | X | |
| Phenol | | | | X | | | | | X | |
| Phosgene | | | | | | | | | X | |
| Propylene oxide (1,2-epoxy propane) | | | X | X | | | | X | X | |
| Hydrogen selenide | - | - | - | X | - | - | - | - | X | - |
| Sodium hydroxide | | | | X | | | | | X | X |
| Styrene | | | | X | | | | | X | |
| Sulfuric acid and oleum | | | | | | | | | X | |
| Sulfuric acid | | | | | | | | | X | |
| Sulfur trioxide | | | | | | | | | | |
| Oleum | | | | | | | | | X | |
| Toluene | | | X | X | | | X | X | X | |
| Triethylamine | | | | X | | | X | | | |
| Vanadium (fume or dust) | | | | | | | | | | |
| Vanadium pentoxide | | | | X | | | | | X | |
| Vinyl chloride (chloroethylene) | | | | X | | | X | | X | |
| Xylenes (isomers and mixtures) | | | | X | | | | | X | |
| Xylene, m- | | | | X | | | | | X | |
| Xylene, o- | | | | X | | | | | X | |
| Xylene, p- | | | | X | | | | | X | |

AL: Alimentary system (liver)
CV: Cardiovascular system
DEV: Developmental
EYE: Eye
HEM: Hematopoietic system
IMM: Immune system
NS: Nervous system
REP: Reproductive system
RESP: Respiratory system
SKIN: Skin

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Table – 11
Meteorological Monitoring Stations in the South Coast Air Basin and Vicinity

| STATION | UTM (KM) E-W | UTM (KM) N-S | LONGITUDE | LATITUDE |
|--------------------|-------------------------|-------------------------|------------------|-----------------|
| Anaheim | 415.0 | 3742.5 | 117:55:07 | 33:49:16 |
| Azusa | 414.9 | 3777.4 | 117:55:23 | 34:08:09 |
| Banning | 510.5 | 3754.4 | 116:53:11 | 33:55:58 |
| Burbank | 379.5 | 3783.0 | 118:18:27 | 34:10:58 |
| Canoga Park | 352.9 | 3786.0 | 118:35:48 | 34:12:23 |
| Compton | 385.5 | 3750.3 | 118:14:17 | 33:53:19 |
| Costa Mesa | 413.8 | 3724.2 | 117:55:47 | 33:39:21 |
| Downtown LA | 386.9 | 3770.1 | 118:13:31 | 34:04:02 |
| El Toro | 436.0 | 3720.9 | 117:41:25 | 33:37:39 |
| Fontana | 455.4 | 3773.9 | 117:29:01 | 34:06:24 |
| Indio | 572.3 | 3731.0 | 116:13:11 | 33:43:06 |
| King Harbor | 371.2 | 3744.4 | 118:23:30 | 33:30:00 |
| La Canada | 388.2 | 3786.1 | 118:12:49 | 34:12:42 |
| La Habra | 412.0 | 3754.0 | 117:57:07 | 33:55:28 |
| Lancaster | 396.0 | 3839.5 | 118:08:08 | 34:41:38 |
| Lennox (Hawthorne) | 373.0 | 3755.0 | 118:22:26 | 33:55:46 |
| Long Beach | 390.0 | 3743.0 | 118:11:19 | 33:49:24 |
| Los Alamitos | 404.5 | 3739.8 | 118:01:54 | 33:47:45 |
| Lynwood | 388.0 | 3754.0 | 118:12:42 | 33:55:20 |
| Malibu | 344.0 | 3766.9 | 118:41:23 | 34:01:59 |
| Newhall | 355.5 | 3805.5 | 118:31:02 | 34:22:59 |
| Norco | 446.8 | 3749.0 | 117:34:31 | 33:52:54 |
| Palm Springs | 542.5 | 3742.5 | 116:32:27 | 33:49:25 |
| Pasadena | 396.0 | 3778.5 | 118:07:41 | 34:08:38 |
| Pico Rivera | 402.3 | 3764.1 | 118:03:29 | 34:00:53 |
| Pomona | 430.8 | 3769.6 | 117:44:60 | 34:03:60 |
| Redlands | 486.2 | 3769.4 | 117:09:00 | 34:04:00 |
| Reseda | 359.0 | 3785.0 | 118:31:49 | 34:11:54 |
| Riverside | 464.8 | 3758.6 | 117:22:50 | 33:58:10 |
| Santa Ana Canyon | 431.0 | 3748.4 | 117:44:46 | 33:52:32 |
| Upland | 440.0 | 3773.1 | 117:39:02 | 34:05:55 |
| Vernon | 387.4 | 3762.5 | 118:13:10 | 33:59:55 |
| Walnut | 420.0 | 3761.7 | 117:51:58 | 33:59:41 |
| West LA | 372.3 | 3768.6 | 118:23:01 | 34:03:08 |
| Whittier | 405.5 | 3754.0 | 118:01:28 | 33:55:26 |

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Figure 1
Meteorological Monitoring Stations in the South Coast Air Basin and Vicinity

