

**HAZARDOUS AIR POLLUTANTS
SORTED BY CAS NUMBER**

APPENDIX III

(A) The pollutants listed in Tables AIII-1 and AIII-2 of this appendix are regulated hazardous air pollutants under the LLCAPCPRS:

Table AIII-1

CAS Number	Chemical Name	VOC? (Yes or No)	Reporting Level (lbs/year)	Other Common Names or Designations
50-00-0	Formaldehyde	Yes	1,000	
50-32-8	Benzo(a)pyrene	Yes	20	
51-28-5	2,4-Dinitrophenol	Yes	1,000	DNP
51-79-6	Ethyl carbamate	No	800	Urethane
53-70-3	Dibenz(a,h)anthracene **	Yes	20	
53-96-3	2-Acetylaminofluorine	Yes	10	2-AAF
56-23-5	Carbon tetrachloride	Yes	1,000	Carbon Tet; Benzoinform
56-38-2	Parathion	Yes	100	
56-55-3	Benz(a)anthracene **	Yes	20	
57-12-5	Cyanide compounds ^a (refer to paragraph (B) of this appendix)	No	2,000 *	
57-14-7	1,1-Dimethyl hydrazine	Yes	16	N,N'-Dimethylhydrazine
57-57-8	beta-Propiolactone	Yes	100	BPL; 1,3-Propiolactone
57-74-9	Chlordane	Yes	20	Chlor Kil; Chlorindan
57-97-6	7,12-Dimethylbenz(a)anthracene **	Yes	0	
58-89-9	Lindane (all isomers)	No	20	
59-89-2	N-Nitrosomorpholine	Yes	1,000	4-Nitrosomorpholine
60-11-7	4-Dimethyl aminoazobenzene	Yes	1,000	Dimethyl aminoazobenzene
60-34-4	Methyl hydrazine	Yes	60	Monomethylhydrazine
60-35-5	Acetamide	Yes	1,000	Ethanamide; Acetic acid amide
62-53-3	Aniline	Yes	1,000	Aminobenzene
62-73-7	Dichlorvos	Yes	200	2,2-Dichlorovinyl
62-75-9	N-Nitrosodimethylamine	Yes	2	DMN; DMNA
63-25-2	Carbaryl	No	2,000	1-Naphthalenol; methylcarbamate
64-67-5	Diethyl sulfate	Yes	1,000	DES; Ethyl sulfate
67-56-1	Methanol	Yes	2,000	Methyl alcohol
67-66-3	Chloroform	Yes	900	Methyl trichloride
67-72-1	Hexachloroethane	No	2,000	1,1,1,2,2,2-Hexachloroethane
68-12-2	Dimethyl formamide	Yes	1,000	N,N-Dimethylformamide
71-43-2	Benzene	Yes	1,000	Benzine; Coal/Mineral naphtha
71-55-6	1,1,1-Trichloroethane	No	2,000	Methyl chloroform; Chloroethane
72-43-5	Methoxychlor	Yes	2,000	
74-83-9	Methyl bromide	Yes	2,000	Bromomethane
74-87-3	Chloromethane	Yes	2,000	Methyl chloride
74-88-4	Methyl iodide	Yes	1,000	Iodomethane
74-90-8	Hydrogen cyanide	No	0	Hydrocyanic acid
75-00-3	Ethyl chloride	Yes	2,000	Chloroethane
75-01-4	Vinyl chloride	Yes	200	1-Chloroethene
75-05-8	Acetonitrile	Yes	1,000	Cyanomethane; Ethanenitrile
75-07-0	Acetaldehyde	Yes	2,000	Acetic aldehyde; Ethanal
75-09-2	Methylene chloride	No	2,000	Dichloromethane
75-15-0	Carbon disulfide	Yes	1,000	Carbon bisulfide
75-21-8	Ethylene oxide	Yes	100	Oxirane

**HAZARDOUS AIR POLLUTANTS
SORTED BY CAS NUMBER**

APPENDIX III

Table AIII-1

CAS Number	Chemical Name	VOC? (Yes or No)	Reporting Level (lbs/year)	Other Common Names or Designations
75-25-2	Bromoform	Yes	2,000	Tribromomethane
75-34-3	1,1-Dichloroethane	Yes	1,000	1,1-DCA; Ethylidene dichloride
75-35-4	1,1-Dichloroethylene	Yes	400	1,1-DCE; 1,1-Dichloroethene
75-44-5	Phosgene	Yes	100	Dichloroformaldehyde
75-55-8	1,2-Propylenimine	Yes	6	2-Methylaziridine
75-56-9	Propylene oxide	Yes	2,000	Methyl oxirane
76-44-8	Heptachlor	Yes	20	3-Chlorochlordene
77-47-4	Hexachlorocyclopentadiene	Yes	100	HCCPD
77-78-1	Dimethyl sulfate	Yes	100	DMS; Dimethyl monosulfate
78-59-1	Isophorone	Yes	2,000	Cyclohexane-1-one
78-87-5	1,2-Dichloropropane	Yes	1,000	Propylene dichloride
79-00-5	1,1,2-Trichloroethane	Yes	1,000	1,1,2-TCA; Vinyl trichloride
79-01-6	Trichloroethylene	Yes	2,000	TCE; 1,1,2-Trichloroethylene
79-06-1	Acrylamide	Yes	20	2-Propenamide
79-10-7	Acrylic acid	Yes	600	2-Propenoic acid; Acroleic acid
79-11-8	Chloroacetic acid	Yes	100	Monochloroacetic acid
79-34-5	1,1,2,2-Tetrachloroethane	Yes	300	Acetylene tetrachloride
79-44-7	Dimethyl carbamoyl chloride	Yes	20	DDC; DMCC
79-46-9	2-Nitropropane	Yes	1,000	2-NP
80-62-6	Methyl methacrylate	Yes	2,000	2-(Methoxycarbonyl)-1-propene
82-68-8	Pentachloronitrobenzene	Yes	300	PCNB; Quintobenzene
84-74-2	Dibutylphthalate	Yes	2,000	n-Butyl phthalate
85-44-9	Phthalic anhydride	No	2,000	1,3-Phthalandione
87-68-3	Hexachlorobutadiene	Yes	900	Hexachloro-1,3-butadiene
87-86-5	Pentachlorophenol	Yes	700	PCP; 2,3,4,5,6-Pentachlorophenol
88-06-2	2,4,6-Trichlorophenol	Yes	2,000	TCP; Phenaclor
90-04-0	o-Anisidine	Yes	1,000	2-Anisidine
91-20-3	Naphthalene	Yes	2,000	
91-22-5	Quinoline	Yes	12	Benzopyridine
91-94-1	3,3'-Dichlorobenzidine	Yes	200	Benzidine 3,3'-Dichloro-
92-52-4	Biphenyl	Yes	2,000	Diphenyl
92-67-1	4-Aminobiphenyl	Yes	1,000	Biphenylamine
92-87-5	Benzidine	Yes	0.6	4,4'-Bianiline
92-93-3	4-Nitrobiphenyl	Yes	1,000	PNB; 4-Nitrodiphenyl
94-75-7	2,4-D (salts and esters)	Yes	2,000	2,4-Dichlorophenoxy acetic acid
95-47-6	o-Xylenes	Yes	2,000	1,2-Xylene; 1,2-Dimethylbenzene
95-48-7	o-Cresol	Yes	1,000	1-Hydroxy-2-methylbenzene
95-53-4	o-Toluidine	Yes	1,000	2-Aminotoluene
95-80-7	2,4-Toluene diamine	Yes	20	2,4-Diaminotoluene
95-95-4	2,4,5-Trichlorophenol	Yes	1,000	2,4,5-TCP
96-09-3	Styrene oxide	Yes	1,000	1,2-Epoxyethylbenzene
96-12-8	1,2-Dibromo-3-chloropropane	Yes	20	DBCP; Dibromochloropropane
96-45-7	Ethylene thiourea	No	600	2-Imidazolidinethione
98-07-7	Benzotrichloride	Yes	12	Benzoic trichloride
98-82-8	Cumene	Yes	2,000	Isopropyl benzene
98-86-2	Acetophenone	Yes	1,000	1-Phenylethanone; Acetylbenzene

**HAZARDOUS AIR POLLUTANTS
SORTED BY CAS NUMBER**

APPENDIX III

Table AIII-1

CAS Number	Chemical Name	VOC? (Yes or No)	Reporting Level (lbs/year)	Other Common Names or Designations
98-95-3	Nitrobenzene	Yes	1,000	
100-02-7	4-Nitrophenol	Yes	2,000	PNP; p-Nitrophenol
100-41-4	Ethyl benzene	Yes	2,000	Alpha-Methyltoluene
100-42-5	Styrene	Yes	1,000	Vinylbenzene; Phenylethene
100-44-7	Benzyl chloride	Yes	100	Chloromethylbenzene
101-14-4	4,4-Methylene bis(2-chloroaniline)	No	200	MOCA; MBOCA; Bisamine
101-68-8	Methylene diphenyl diisocyanate	No	100	MDI
101-77-9	4,4'-Methylenedianiline	No	1,000	MDA; Bis(4-aminophenyl)methane
106-42-3	p-Xylenes	Yes	2,000	p-Dimethylbenzene
106-44-5	p-Cresol	Yes	1,000	1-Hydroxy-4-methylbenzene
106-46-7	1,4-Dichlorobenzene	Yes	1,000	p-DCB; p-Dichlorobenzene
106-50-3	p-Phenylenediamine	Yes	2,000	1,4-Benzenediamine
106-51-4	Quinone	Yes	2,000	p-Benzoquinone
106-88-7	1,2-Epoxybutane	Yes	1,000	1,2-Butene oxide
106-89-8	Epichlorohydrin	Yes	1,000	1-Chloro-2,3-epoxypropane
106-93-4	Ethylene dibromide	Yes	100	1,2-Dibromoethane
106-94-5	1-Bromopropane	Yes	0	1-BP; n-Propyl bromide; nBP
106-99-0	1,3-Butadiene	Yes	70	Buta-1,3-diene; Biethylene
107-02-8	Acrolein	Yes	40	2-Propenal; Acraldehyde
107-05-1	Allyl chloride	Yes	1,000	2-Propenyl chloride
107-06-2	Ethylene dichloride	Yes	1,000	1,1-Dichloroethane
107-13-1	Acrylonitrile	Yes	300	2-Propenenitrile
107-21-1	Ethylene glycol	Yes	2,000	1,2-Dihydroxyethane
107-30-2	Chloromethyl methyl ether	Yes	100	Chlorodimethyl ether
108-05-4	Vinyl acetate	Yes	1,000	Acetic acid ethenyl ester
108-10-1	Methyl isobutyl ketone	Yes	2,000	MIBK; Hexone
108-31-6	Maleic anhydride	No	1,000	2,5-Furandione
108-38-3	m-Xylenes	Yes	2,000	1,3-Xylene; 1,3-Dimethylbenzene
108-39-4	m-Cresol	Yes	1,000	1-Hydroxy-3-methylbenzene
108-86-4	2-Methoxy ethanol ***	No	2,000	
108-88-3	Toluene	Yes	2,000	1-Methylbenzene
108-90-7	Chlorobenzene	Yes	2,000	Benzene chloride
108-95-2	Phenol	Yes	100	Hydroxybenzene
110-54-3	Hexane	Yes	2,000	N-Hexane
110-80-5	2-Ethoxy ethanol ***	No	2,000	
111-42-2	Diethanolamine	Yes	2,000	2,2'-Dihydroxydiethylamine
111-44-4	Dichloroethyl ether	Yes	60	Bis(2-chloroethyl)ether
114-26-1	Propoxur	No	2,000	
117-81-7	Diethylhexylphthalate	Yes	2,000	DEHP; Bis(2-ethylhexyl)phthalate
118-74-1	Hexachlorobenzene	No	20	HCB; Perchlorobenzene
119-90-4	3,3'-Dimethoxybenzidine	Yes	100	3,3'-Dianisidine; Bianisidine
119-93-7	3,3'-Dimethyl benzidine	Yes	16	2-Tolidine
120-80-9	Catechol	Yes	2,000	1,2-Benzenediol
120-82-1	1,2,4-Trichlorobenzene	Yes	2,000	
121-14-2	2,4-Dinitrotoluene	Yes	20	DNT; 1-Methyl-2,4-dinitrobenzene
121-44-8	Triethylamine	Yes	2,000	N,N-Diethylethanamine

**HAZARDOUS AIR POLLUTANTS
SORTED BY CAS NUMBER**

APPENDIX III

Table AIII-1

CAS Number	Chemical Name	VOC? (Yes or No)	Reporting Level (lbs/year)	Other Common Names or Designations
121-69-7	N,N-Dimethylaniline	Yes	1,000	(Dimethylamino)benzene
122-66-7	1,2-Diphenylhydrazine	Yes	90	Hydroazobenzene
123-31-9	Hydroquinone	Yes	1,000	1,4-Benzenediol
123-38-6	Propionaldehyde	Yes	2,000	1-Propanone
123-91-1	1,4-Dioxane	Yes	2,000	Diethylene oxide
126-99-8	Chloroprene	Yes	1,000	Chlorobutadiene
127-18-4	Perchloroethylene	No	2,000	Tetrachloroethylene
131-11-3	Dimethyl phthalate	Yes	2,000	Dimethyl 1,2-Benzendicarboxylate
132-64-9	Dibenzofuran	No	2,000	2,2'-Biphenylene oxide
133-06-2	Captan	No	2,000	
133-90-4	Chloramben	No	1,000	3-Amino-2,5-dichlorobenzoic acid
140-88-5	Ethyl acrylate	Yes	1,000	2-Propenoic acid ethyl ester
151-56-4	Ethyleneimine	Yes	6	Aziridine
156-62-7	Calcium cyanamide	No	2,000	Calcium carbimide
189-55-9	Dibenz(a,i)pyrene **	Yes	20	
193-39-5	Ideno(1,2,3-cd)pyrene	Yes	20	
205-99-2	Benzo(b)fluoranthene	Yes	20	
218-01-9	Chrysene **	Yes	20	
225-54-1	Benz(c)aridine **	Yes	20	
302-01-2	Hydrazine	No	8	Diamine
334-88-3	Diazomethane	Yes	1,000	Azimethylene
463-58-1	Carbonyl sulfide	Yes	2,000	Carbon oxide sulfide
510-15-6	Chlorobenzilate	Yes	400	4,4'-Dichlorobenzilate
532-27-4	2-Chloroacetophenone	Yes	60	Phenacyl chloride
534-52-1	4,6-Dinitro-o-cresol, and salts	No	100	Dinitrocresol
540-84-1	2,2,4-Trimethylpentane	Yes	2,000	Isooctane
542-75-6	1,3-Dichloropropene	Yes	1,000	3-Dichloropropylene
542-88-1	Bis(chloromethyl)ether	Yes	0.6	BCME; Dichloromethyl ether
584-84-9	2,4-Toluene diisocyanate	Yes	100	2,4-TDI
593-60-2	Vinyl bromide	Yes	600	Bromoethene
624-83-9	Methyl isocyanate	Yes	100	Isocyanatomethane
680-31-9	Hexamethylphosphoramide	No	20	HMPA; HMPT; HMPTA
684-93-5	N-Nitroso-N-methylurea	Yes	0.4	MNU; Methylnitrosourea
822-06-0	Hexamethylene diisocyanate	No	20	1,6-Diisocyanatohexane
1120-71-4	1,3-Propane sultone	No	30	Propyl sultone
1304-56-9	Beryllium salts	No	0.04	
1308-38-9	Chromium compounds – Trivalent only	No	2,000	Chromium oxide
1319-77-3	Cresols/Cresylic acid (isomers and mixture)	Yes	1,000	
1330-20-7	Xylenes (isomers and mixture)	Yes	2,000	Dimethylbenzenes
1332-21-4	Asbestos	No	0	
1336-36-3	Polychlorinated biphenyls	Yes	18	PCBs
1582-09-8	Trifluralin	No	2,000	
1634-04-4	Methyl tert-butyl ether	Yes	2,000	MTBE
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	No	0.0012	Tetradoxin
3547-04-4	DDE	Yes	20	Dichlorodiphenyldichloroethylene

**HAZARDOUS AIR POLLUTANTS
SORTED BY CAS NUMBER**

APPENDIX III

Table AIII-1

CAS Number	Chemical Name	VOC? (Yes or No)	Reporting Level (lbs/year)	Other Common Names or Designations
7439-92-1	Lead and lead compounds	No	20	
7439-96-5	Manganese and manganese compounds (refer to paragraph (B) of this appendix)	No	800 *	
7439-97-6	Mercury and mercury compounds	No	20	
7440-02-0	Nickel compounds (refer to paragraph (B) of this appendix)	No	1,000 *	
7440-36-0	Antimony compounds (refer to paragraph (B) of this appendix)	No	2,000 *	
7440-38-2	Arsenic and inorganic arsenic compounds	No	10	
7440-41-7	Beryllium compounds (except salts)	No	16	
7440-43-9	Cadmium compounds	No	20	
7440-47-3	Chromium compounds (except Hexavalent and Trivalent)	No	2,000	
7440-48-4	Cobalt compounds	No	100	
7550-45-0	Titanium tetrachloride	No	100	Tetrachlorotitanium
7647-01-0	Hydrochloric acid	No	2,000	Hydrogen chloride
7664-39-3	Hydrogen fluoride	No	100	Hydrofluoric acid
7723-14-0	Phosphorous	No	100	
7782-49-2	Selenium and selenium compounds	No	100	
7782-50-5	Chlorine	No	100	
7784-42-1	Arsine	No	10	
7803-51-2	Phosphine	No	2,000	Hydrogen phosphide
8001-35-2	Toxaphene	No	20	Campechlor
10025-73-7	Chromic chloride	No	100	
18540-29-9	Chromium compounds – Hexavalent only	No	4	
N/A	Coke oven emissions	No	30	
N/A	Dioxins and Furans ^b (TCDD Equivalent)	No	0	
N/A	Fine mineral fiber compounds ^c (refer to paragraph (B) of this appendix)	No	0 *	
N/A	Glycol ethers ^d (refer to paragraph (B) of this appendix)	No	2,000 *	
N/A	Polycyclic Organic Matter ^e (refer to paragraph (B) of this appendix)	Yes	20 *	POM
N/A	Radionuclides (including radon) ^f	No	^g	

* – The reporting level for specific compounds in this group may be different than the reporting level provided in Table AIII-1. Refer to Table AIII-2 of this appendix for specific reporting levels for each compound.

** – These pollutants are not listed by name in EPA’s list of Hazardous Air Pollutants. The pollutants are included here because they are part of the ‘Polycyclic Organic Matter’ pollutant group.

*** – These pollutants are not listed by name in EPA’s list of Hazardous Air Pollutants. The pollutants are included here because they are part of the ‘Glycol Ethers’ pollutant group.

**HAZARDOUS AIR POLLUTANTS
SORTED BY CAS NUMBER**

APPENDIX III

(B) Individual hazardous air pollutants that are part of one of the chemical groups set forth in Table AII-2 below may have different reporting levels. The reporting level for each individual hazardous air pollutant in each chemical group is established Table AII-2. For the purpose of determining major source status as described in Article 2, Section 2 of the LLCAPCPRS, the emissions of all compounds included in each of the chemical groups presented in Table AII-2 below should be aggregated.

Table AIII-2

CAS Number	Chemical Name	VOC? (Yes or No)	Reporting Level (lbs/year)	Other Common Names or Designations
Chemical Group: Antimony				
1309-64-4	Antimony trioxide	No	1,000	
1345-04-6	Antimony trisulfide	No	100	
7440-36-0	Antimony compounds	No	2,000	
7783-70-2	Antimony pentafluoride	No	100	
28300-74-5	Antimony potassium tartrate	No	1,000	
Chemical Group: Arsenic				
7440-38-2	Arsenic and inorganic arsenic compounds	No	10	
7784-42-1	Arsine	No	10	
Chemical Group: Beryllium				
7440-41-7	Beryllium compounds (except salts)	No	16	
N/A	Beryllium salts	No	0.04	
Chemical Group: Chromium				
1308-38-9	Chromium compounds - Trivalent	No	2,000	Chromium oxide
7440-47-3	Chromium compounds except Hexavalent and Trivalent	No	2,000	
10025-73-7	Chromic chloride	No	100	
18540-29-9	Chromium compounds - Hexavalent	No	4	
Chemical Group: Cresols				
95-48-7	o-Cresol	Yes	1,000	1-Hydroxy-2-methylbenzene
106-44-5	p-Cresol	Yes	1,000	1-Hydroxy-4-methylbenzene
108-39-4	m-Cresol	Yes	1,000	1-Hydroxy-3-methylbenzene
1319-77-3	Cresols/Cresylic acid (mixed and isomers)	Yes	1,000	
Chemical Group: Cyanide				
14-33-3	Sodium cyanide	No	100	
57-12-5	Cyanide compounds	No	2,000	
151-50-8	Potassium cyanide	No	100	
Chemical Group: Fine Mineral Fibers				
14464-46-1	Silica (crystalline)	No	0	
14807-96-6	Talc containing asbestos form fibers	No	0	
65997-17-3	Glass Wool	No	0	
66733-21-9	Erionite	No	0	
142844-00-6	Ceramic fibers	No	0	
N/A	Fine mineral fibers	No	0	
N/A	Rock Wool	No	0	
N/A	Slag wool	No	0	

**HAZARDOUS AIR POLLUTANTS
SORTED BY CAS NUMBER**

APPENDIX III

Table AIII-2

CAS Number	Chemical Name	VOC? (Yes or No)	Reporting Level (lbs/year)	Other Common Names or Designations
Chemical Group: Glycol Ethers				
108-86-4	2-Methoxy ethanol	No	2,000	
110-80-5	2-Ethoxy ethanol	No	2,000	
N/A	Glycol ethers	No	2,000	
Chemical Group: Manganese				
7439-96-5	Manganese and manganese compounds, except those below	No	800	
12108-13-3	Methylcyclopentadienyl manganese	No	100	
Chemical Group: Nickel				
1-14-6	Nickel refinery dust	No	80	
7440-02-0	Nickel compounds, except those in this group	No	1,000	
12035-72-2	Nickel subsulfide	No	40	
13463-39-3	Nickel carbonyl	No	100	
Chemical Group: Polycyclic Organic Matter (POM)				
53-96-3	2-Acetylaminofluorene	Yes	10	2-AAF
63-25-2	Cabaryl	No	2,000	1-Naphthalenol, methylcarbamate
91-22-5	Quinoline	Yes	12	Benzopyridine
91-94-1	3,3'-Dichlorobenzidine	Yes	200	Benzidine 3,3'-Dichloro-
92-52-4	Biphenyl	Yes	2,000	Diphenyl
92-67-1	4-Aminobiphenyl	Yes	1,000	Biphenylamine
92-87-5	Benzidine	Yes	0.6	4,4'-Bianiline
92-93-3	4-Nitrobiphenyl	Yes	1,000	PNB; 4-Nitrodiphenyl
101-14-4	4,4'-Methylene bis(2-chloroaniline)	No	200	MOCA; MBOCA; Bisamine
101-68-8	Methylene diphenyl diisocyanate	No	100	MDI
119-90-4	3,3'-Dimethoxybenzidine	Yes	100	3,3'-Dianisidine; Bianisidine
119-93-7	3,3'-Dimethylbenzidine	Yes	16	2-Tolidine
132-64-9	Dibenzofurans	No	2,000	2,2'-Biphenylene oxide
510-15-6	Chlorobenzilate	Yes	400	4,4'-Dichlorobenzilate
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	No	0.0012	Tetradioxin
3547-04-4	DDE	Yes	20	Dichlorodiphenyldichloroethylene
N/A	Polycyclic Organic Matter (including those marked with ** in Table AII-1)	Yes	20	POM
Chemical Group: Xylenes				
95-47-6	o-Xylenes	Yes	2,000	1,2-Xylene; 1,2-Dimethylbenzene
106-42-3	p-Xylenes	Yes	2,000	p-Dimethylbenzene
108-38-3	m-Xylenes	Yes	2,000	1,3-Xylene; 1,3-Dimethylbenzene
1330-20-7	Xylenes (mixed and isomers)	Yes	2,000	Dimethylbenzenes

^a - X'CN where X=H' or any other group where formal dissociation may occur (e.g. KCN or Ca(CN)₂).

^b - The "toxic equivalent factor" method in EPA/625/3-89-016, [U.S. EPA (1989) Interim procedures for estimating risk associated with exposure to mixtures] should be used for PCDD/PCDF mixtures. A different de minimis level will be determined for each mixture depending on the equivalency factors which are compound specific.

HAZARDOUS AIR POLLUTANTS
SORTED BY CAS NUMBER

APPENDIX III

- ^c – Includes glass microfibers, glass wool fibers, rock wool fibers and slag wool fibers, each characterized as “respirable” (fiber diameter <3.5 micrometers) and possessing an aspect ratio (fiber length divided by fiber diameter) >3.
- ^d – Include mono- and di-ethers of ethylene glycol, diethylene glycol, and triethylene glycol $R-(OCH_2CH_2)_n-OR'$
- Where:
n = 1, 2, or 3;
R = alkyl C7 or less-aryl groups; or
R = phenyl or alkyl substituted phenyl;
R' = R, H; or alkyl C7 or less; or groups which, when removed, yield glycol ethers with the structure: $R-(OCH_2CH_2)_n-OH$. Polymers, as well as ethylene glycol monobutyl ether, are excluded from this category.
OR' consisting of carboxylic acid ester, sulfate, phosphate, nitrate, or sulfonate.
- ^e – Includes organic compounds with more than one benzene ring, and which have a boiling point greater than or equal to 100 °C.
- ^f – A type of atom which spontaneously undergoes radioactive decay.
- ^g – The EPA relies on Subparts B and I, and Appendix E of 40 CFR Part 61 and assigns a de minimis level based on an effective dose equivalent of 0.3 millirem per year for a 7 year exposure period that would result in a cancer risk of 1 per million. The individual radionuclides subject to de minimis levels used for Section 112(g) are also contained in 40 CFR Part 61.

Formatted: Subscript

Formatted: Subscript

Formatted: Subscript

Formatted: Indent: First line: 0"