

APPENDIX III

REPORTING LEVELS OF HAZARDOUS AIR POLLUTANTS FOR EMISSIONS INVENTORY

CAS #	Chemical Name	Reporting Level (Pounds/year)
57147	1,1-Dimethyl hydrazine	16
79005	1,1,2-Trichloroethane	1,000
79345	1,1,2,2-Tetrachloroethane	300
96128	1,2-Dibromo-3-chloropropane	20
122667	1,2-Diphenylhydrazine	90
106887	1,2-Epoxybutane	1,000
75558	1,2-Propylenimine (2-Methyl aziridine)	6
120821	1,2,4-Trichlorobenzene	2,000
106990	1,3-Butadiene	70
542756	1,3-Dichloropropene	1,000
1120714	1,3-Propane sultone	30
106467	1,4-Dichlorobenzene(p)	1,000
123911	1,4-Dioxane (1,4-Diethyleneoxide)	2,000
53963	2-Acetylaminofluorine	10
532274	2-Chloroacetophenone	60
79469	2-Nitropropane	1,000
540841	2,2,4-Trimethylpentane	2,000
1746016	2,3,7,8-Tetrachlorodibenzo-p-dioxin	0.0012
584849	2,4-Toluene diisocyanate	100
51285	2,4-Dinitrophenol	1,000
121142	2,4-Dinitrotoluene	20
94757	2,4-D, salts, esters (2,4-Dichlorophenoxy acetic acid)	2,000
95807	2,4-Toluene diamine	20
95954	2,4,5-Trichlorophenol	1,000
88062	2,4,6-Trichlorophenol	2,000
91941	3,3-Dichlorobenzidene	200
119904	3,3'-Dimethoxybenzidine	100
119937	3,3'-Dimethyl benzidine	16
92671	4-Aminobiphenyl	1,000

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CAS #	Chemical Name	Reporting Level (Pounds/year)
92933	4-Nitrobiphenyl	1,000
100027	4-Nitrophenol	2,000
101144	4,4-Methylene bis (2-chloroaniline)	200
101779	4,4'-Methylenedianiline	1,000
534521	4,6-Dinitro-o-cresol, and salts	100
75070	Acetaldehyde	2,000
60355	Acetamide	1,000
75058	Acetonitrile	1,000
98862	Acetophenone	1,000
79061	Acrylamide	20
79107	Acrylic acid	600
107131	Acrylonitrile	300
107051	Allyl chloride	1,000
62533	Aniline	1,000
71432	Benzene	1,000
92875	Benzidine	0.6
98077	Benzotrichloride	12
100447	Benzyl chloride	100
57578	beta-Propiolactone	100
92524	Biphenyl	2,000
117817	Bis(2-ethylhexyl)phthalate (DEHP)	2,000
542881	Bis(chloromethyl)ether	0.6
75252	Bromoform	2,000
156627	Calcium cyanamide	2,000
133062	Captan	2,000
63252	Carbaryl	2,000
75150	Carbon disulfide	1,000
56235	Carbon tetrachloride	1,000
463581	Carbonyl sulfide	2,000
120809	Catechol	2,000
133904	Chloramben	1,000
57749	Chlordane	20

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7782505	Chlorine	100
79118	Chloroacetic acid	100
108907	Chlorobenzene	2,000
510156	Chlorobenzilate	400
67663	Chloroform	900
107302	Chloromethyl methyl ether	100
126998	Chloroprene	1,000
1319773	Cresols/Cresylic acid (isomers and mixture)	1,000
95487	o-Cresol	1,000
108394	m-Cresol	1,000
106445	p-Cresol	1,000
98828	Cumene	2,000
334883	Diazomethane	1,000
132649	Dibenzofuran	2,000
72559	DDE (p,p'-Dichlorodiphenyl-di-chloroethylene)	20
84742	Dibutylphthalate	2,000
111444	Dichloroethyl ether (Bis(2-chloroethyl)ether)	60
62737	Dichlorvos	200
111422	Diethanolamine	2,000
64675	Diethyl sulfate	1,000
60117	Dimethyl aminoazobenzene	1,000
79447	Dimethyl carbamoyl chloride	20
68122	Dimethyl formamide	1,000
131113	Dimethyl phthalate	2,000
77781	Dimethyl sulfate	100
106898	Epichlorohydrin	1,000
140885	Ethyl acrylate	1,000
100414	Ethyl benzene	2,000
51796	Ethyl carbamate (Urethane)	800
75003	Ethyl chloride	2,000
106934	Ethylene dibromide (Dibromoethane)	100
107062	Ethylene dichloride (1,2-Dichloroethane)	800
107211	Ethylene glycol	2,000
151564	Ethylene imine (Aziridine)	6

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75218	Ethylene oxide	100
96457	Ethylene thiourea	600
75343	Ethylidene dichloride (1,1-Dichloroethane)	1,000
50000	Formaldehyde	1,000
76448	Heptachlor	20
118741	Hexachlorobenzene	20
87683	Hexachlorobutadiene	900
77474	Hexachlorocyclopentadiene	100
67721	Hexachloroethane	2,000
822060	Hexamethylene,-1,6-diisocyanate	20
680319	Hexamethylphosphoramide	20
110543	Hexane	2,000
302012	Hydrazine	8
7647010	Hydrochloric acid	2,000
7664393	Hydrogen fluoride	100
123319	Hydroquinone	1,000
78591	Isophorone	2,000
58899	Lindane (hexachlorcyclohexane, gamma)	20
108316	Maleic anhydride	1,000
67561	Methanol	2,000
72435	Methoxychlor	2,000
74839	Methyl bromide (Bromomethane)	2,000
74873	Methyl chloride (Chloromethane)	2,000
71556	Methyl chloroform (1,1,1-Trichloroethane)	2,000
78933	Methyl ethyl ketone (2-Butanone)	2,000
60344	Methyl hydrazine	60
74884	Methyl iodide (Iodomethane)	1,000
108101	Methyl isobutyl ketone	2,000
624839	Methyl isocyanate	100
80626	Methyl methacrylate	2,000
1634044	Methyl tert-butyl ether	2,000
12108133	Methylcyclopentadienyl manganese	100
75092	Methylene chloride (Dichloromethane)	2,000
101688	Methylene diphenyl diisocyanate	100

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91203	Naphthalene	2,000
98953	Nitrobenzene	1,000
62759	N-Nitrosodimethylamine	2
69892	N-Nitrosomorpholine	1,000
684935	N-Nitroso-N-methylurea	0.4
121697	N,N-Dimethylaniline	1,000
90040	o-Anisidine	1,000
95534	o-Toluidine	1,000
56382	Parathion	100
82688	Pentachloronitrobenzene (Quintobenzene)	300
87865	Pentachlorophenol	700
108952	Phenol	100
75445	Phosgene	100
7803512	Phosphine	2,000
7723140	Phosphorous	100
85449	Phthalic anhydride	2,000
1336363	Polychlorinated biphenyls (Aroclors)	18
106503	p-Phenylenediamine	2,000
123386	Propionaldehyde	2,000
114261	Propoxur (Baygone)	2,000
78875	Propylene dichloride (1,2-Dichloropropane)	1,000
75569	Propylene oxide	2,000
91225	Quinoline	12
106514	Quinone	2,000
100425	Styrene	1,000
96093	Styrene oxide	1,000
127184	Tetrachloroethylene (Perchloroethylene)	2,000
7550450	Titanium tetrachloride	100
108883	Toluene	2,000
8001352	Toxaphene (chlorinated camphene)	20
79016	Trichloroethylene	2,000
121448	Triethylamine	2,000
1582098	Trifluralin	2,000
108054	Vinyl acetate	1,000

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593602	Vinyl bromide (bromoethene)	600
75014	Vinyl chloride	200
75354	Vinylidene chloride (1,1-Dichloroethylene)	400
1330207	Xylenes (isomers and mixture)	2,000
108383	m-Xylenes	2,000
95476	o-Xylenes	2,000
106423	p-Xylenes	2,000
	CHEMICAL COMPOUND CLASSES	
-	Arsenic and inorganic arsenic compounds	10
7784421	Arsine	10
-	Antimony compounds (except those specifically listed)*	2,000
1309644	Antimony trioxide	1,000
1345046	Antimony trisulfide	100
7783702	Antimony pentafluoride	100
28300745	Antimony potassium tartrate	1,000
-	Beryllium compounds (except Beryllium salts)	16
-	Beryllium salts	0.04
-	Cadmium compounds	20
130618	Cadmium oxide	20
-	Chromium compounds (except Hexavalent and Trivalent)	2,000
-	Hexavalent Chromium compounds	4
-	Trivalent Chromium compounds	2,000
10025737	Chromic chloride	100
744084	Cobalt metal (and compounds, except those specifically listed)*	100
10210681	Cobalt carbonyl	100
62207765	Fluomine	100
-	Coke oven emissions	30
-	Cyanide compounds (except those specifically listed)*	2,000
143339	Sodium cyanide	100
151508	Potassium cyanide	100
-	Glycol ethers (except those specifically listed)*	2,000

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110805	2-Ethoxy ethanol	2,000
108864	2-Methoxy ethanol	2,000
-	Lead and compounds (except those specifically listed)*	20
75741	Tetramethyl lead	20
78002	Tetraethyl lead	20
7439965	Manganese and compounds (except those specifically listed)*	800
12108133	Methylcyclopentadienyl manganese	100
-	Mercury compounds (except those specifically listed)*	20
10045940	Mercuric nitrate	20
748794	Mercuric chloride	20
62384	Phenyl mercuric acetate	20
-	Elemental Mercury	20
-	Mineral fiber compounds (except those specifically listed)*	0
1332214	Asbestos	0
-	Erionite	0
-	Silica (crystalline)	0
-	Talc (containing asbestos form fibers)	0
-	Glass wool	0
-	Rock wool	0
-	Slag wool	0
-	Ceramic fibers	0
-	Nickel compounds (except those specifically listed)*	1,000
13463393	Nickel Carbonyl	100
12035722	Nickel refinery dust	80
-	Nickel subsulfide	40
-	Polycyclic organic matter-POM (except those specifically listed)*	20
56553	Benz(a)anthracene	20
50328	Benzo(a)pyrene	20
205992	Benzo(b)fluoranthene	20
57976	7,12-Dimethylbenz(a)anthracene	20
225514	Benz(c)acridine	20
218019	Chrysene	20

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53703	Dibenz(ah)anthracene	20
189559	1,2:7,8-Dibenzopyrene	20
193395	Indeno(1,2,3-cd)pyrene	20
-	Dioxins & Furans (TCDD equivalent) **	-
7782492	Selenium and compounds (except those specifically listed)*	100
7488564	Selenium sulfide (mono and di)	100
7783075	Hydrogen selenide	100
10102188	Sodium selenite	100
13410010	Sodium selenate	100
99999918	Radionuclides (including radon)	***

* For this chemical group, specific compounds or subgroups are named specifically in this table. For the remainder of the chemicals in the chemical group, a single *de minimis* value is listed, and this value applies to the sum of the compounds in the group which are not named specifically.

** 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 used which are compound specific.

*** 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.

Appendix III Reporting Levels of Hazardous Air Pollutants for Emissions Inventory

EPA Rulemakings

CFR: 40 C.F.R. Part 70, Appendix A, Nebraska; City of Omaha; Lincoln-Lancaster County Health Department, (i)

FRM: 71 FR 38776 (07/10/2006)

PRM: 71 FR 38831 (07/10/2006)

State Submission: 10/20/2005

State Final: 05/07/2005

APDB File: NE-58; EPA-R07-OAR-0006-0476

Description: This revision removed the chemical compound ethylene glycol monobutyl ether from the list of HAPs.

CFR: 40 C.F.R. Part 70, Appendix A, Nebraska; City of Omaha; Lincoln-Lancaster County Health Department, (h)

FRM: 70 FR 16426 (03/31/2005)

PRM: 70 FR 16471 (03/31/2005)

State Submission: 06/01/2004

State Final: 11/24/2003

APDB File: NE-60; EPA-R07-OAR-0005-NE-0001

Description: This revision deleted obsolete footnotes which described the uses of the various hazardous air pollutants listed.

CFR: 40 C.F.R. Part 70, Appendix A, Nebraska; City of Omaha; Lincoln-Lancaster County Health Department, (g)

FRM: 68 FR 52695 (09/05/2003)

PRM: 68 FR 52724 (09/05/2003)

State Submission: 05/01/2003

State Final: 11/20/2002

APDB File: NE-59

Description: This table (the Insignificant Activities List) has been codified into Title 129 of the state rules.

Difference Between the State and EPA-Approved Regulation

None.